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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 872

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : P4620

ATTENTION : Smita Sumbaly

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4620

Project ID : RFP 872

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
P4620-01	P001-CF06-01
P4620-02	P001-CF06-01
P4620-03	P001-CF07-01
P4620-04	P001-CF07-01
P4620-05	P001-CF08-01
P4620-06	P001-CF08-01
P4620-07	P001-CF09-01
P4620-08	P001-CF09-01
P4620-09	P001-CF10-01
P4620-10	P001-CF10-01
P4620-11	P001-CF11-01
P4620-12	P001-CF11-01
P4620-13	P001-CF12-01
P4620-14	P001-CF12-01
P4620-15	P001-CF13-01
P4620-16	P001-CF13-01
P4620-17	P001-CF14-01
P4620-18	P001-CF14-01
P4620-19	P001-CF15-01
P4620-20	P001-CF15-01
P4620-22	P001-CF16-01
P4620-23	P001-CF16-01MS
P4620-24	P001-CF16-01MSD
P4620-25	P001-CF16-01
P4620-26	P001-CF16-01MS
P4620-27	P001-CF16-01MSD
P4620-29	P001-CF16-02
P4620-30	P001-CF16-02

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

Signature : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:53 am, Nov 13, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 872
Project # N/A
Chemtech Project # P4620
Test Name: SPLP PCB

A. Number of Samples and Date of Receipt:
28 Solid samples were received on 10/29/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH, SPLP Extraction and SPLP PCB. This data package contains results for SPLP PCB.

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

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

E. Additional Comments:

F. Calculation for Concentration in Water Samples:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vo)\,(Vi)}$$

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Where,
Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout
Vin = Volume of extract loaded onto GPC column.
Vout = Volume of extract collected after GPC cleanup.
DF = Dilution Factor.

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

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

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:53 am, Nov 13, 2024

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908-789-8900 Fax: 908-789-8922

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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4620 MATRIX: Solid

METHOD: 8082A/3541

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

S. M. Jodheni

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:51 am, Nov 13, 2024

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4620

	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:** 11/12/2024

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LAB CHRONICLE

OrderID:	P4620	**OrderDate:**	10/29/2024 3:36:00 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 872
Contact:	Smita Sumbaly	**Location:**	K41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4620-01	**P001-CF06-01**	**Solid**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
P4620-02	**P001-CF06-01**	**Water**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
			SPLP PCB	8082A		10/31/24	10/31/24	
P4620-03	**P001-CF07-01**	**Solid**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
P4620-04	**P001-CF07-01**	**Water**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
			SPLP PCB	8082A		10/31/24	10/31/24	
P4620-05	**P001-CF08-01**	**Solid**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
P4620-06	**P001-CF08-01**	**Water**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
			SPLP PCB	8082A		10/31/24	10/31/24	
P4620-07	**P001-CF09-01**	**Solid**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
P4620-08	**P001-CF09-01**	**Water**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
			SPLP PCB	8082A		10/31/24	10/31/24	
P4620-09	**P001-CF10-01**	**Solid**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
P4620-10	**P001-CF10-01**	**Water**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	

LAB CHRONICLE

			SPLP PCB	8082A		10/31/24	10/31/24
P4620-11	**P001-CF11-01**	**Solid**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
P4620-12	**P001-CF11-01**	**Water**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
			SPLP PCB	8082A		10/31/24	10/31/24
P4620-13	**P001-CF12-01**	**Solid**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
			EPH	NJEPH		11/03/24	11/05/24
P4620-14	**P001-CF12-01**	**Water**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
			SPLP PCB	8082A		10/31/24	10/31/24
P4620-15	**P001-CF13-01**	**Solid**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
P4620-16	**P001-CF13-01**	**Water**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
			SPLP PCB	8082A		10/31/24	10/31/24
P4620-17	**P001-CF14-01**	**Solid**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
P4620-18	**P001-CF14-01**	**Water**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
			SPLP PCB	8082A		10/31/24	10/31/24
P4620-19	**P001-CF15-01**	**Solid**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
P4620-20	**P001-CF15-01**	**Water**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
			SPLP PCB	8082A		10/31/24	10/31/24
P4620-22	**P001-CF16-01**	**Solid**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24
P4620-25	**P001-CF16-01**	**Water**			**10/29/24**		**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24

LAB CHRONICLE

			SPLP PCB	8082A		10/31/24	10/31/24	
P4620-29	**P001-CF16-02**	**Solid**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/05/24	
P4620-30	**P001-CF16-02**	**Water**			**10/29/24**			**10/29/24**
			EPH	NJEPH		11/03/24	11/04/24	
			SPLP PCB	8082A		10/31/24	10/31/24	

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Hit Summary Sheet
SW-846

SDG No.: P4620 **Order ID:** P4620

Client: Weston Solutions, Inc. **Project ID:** RFP 872

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4620

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
I.BLK-PO107568.D	PIBLK-PO107568.D	Tetrachloro-m-xylene	1	20	19.7	98		60	140
		Decachlorobiphenyl	1	20	18.3	92		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	17.1	85		60	140
P4620-16	P001-CF13-01	Tetrachloro-m-xylene	1	20	16.8	84		10	157
		Decachlorobiphenyl	1	20	17.2	86		10	173
		Tetrachloro-m-xylene	2	20	21.6	108		10	157
		Decachlorobiphenyl	2	20	16.3	81		10	173
P4620-18	P001-CF14-01	Tetrachloro-m-xylene	1	20	23.2	116		10	157
		Decachlorobiphenyl	1	20	19.5	98		10	173
		Tetrachloro-m-xylene	2	20	23.7	119		10	157
		Decachlorobiphenyl	2	20	18.7	93		10	173
P4620-20	P001-CF15-01	Tetrachloro-m-xylene	1	20	19.9	99		10	157
		Decachlorobiphenyl	1	20	17.2	86		10	173
		Tetrachloro-m-xylene	2	20	21.4	107		10	157
		Decachlorobiphenyl	2	20	16.5	82		10	173
P4620-25	P001-CF16-01	Tetrachloro-m-xylene	1	20	20.3	101		10	157
		Decachlorobiphenyl	1	20	17.6	88		10	173
		Tetrachloro-m-xylene	2	20	20.9	104		10	157
		Decachlorobiphenyl	2	20	17.1	85		10	173
P4620-26MS	P001-CF16-01MS	Tetrachloro-m-xylene	1	20	21.2	106		10	157
		Decachlorobiphenyl	1	20	16.0	80		10	173
		Tetrachloro-m-xylene	2	20	20.5	103		10	157
		Decachlorobiphenyl	2	20	15.6	78		10	173
P4620-27MSD	P001-CF16-01MSD	Tetrachloro-m-xylene	1	20	21.3	106		10	157
		Decachlorobiphenyl	1	20	16.1	81		10	173
		Tetrachloro-m-xylene	2	20	20.6	103		10	157
		Decachlorobiphenyl	2	20	15.9	79		10	173
P4620-30	P001-CF16-02	Tetrachloro-m-xylene	1	20	21.3	106		10	157
		Decachlorobiphenyl	1	20	18.5	93		10	173
		Tetrachloro-m-xylene	2	20	21.7	109		10	157
		Decachlorobiphenyl	2	20	18.4	92		10	173
I.BLK-PO107580.D	PIBLK-PO107580.D	Tetrachloro-m-xylene	1	20	20.0	100		60	140
		Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	19.8	99		60	140
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		60	140

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Surrogate Summary

SDG No.: P4620

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP067586.D	PIBLK-PP067586.D	Decachlorobiphenyl	1	20	23.6	118		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	23.5	117		60	140
I.BLK-PP068322.D	PIBLK-PP068322.D	Tetrachloro-m-xylene	1	20	18.4	92		60	140
		Decachlorobiphenyl	1	20	19.2	96		60	140
		Tetrachloro-m-xylene	2	20	16.5	83		60	140
		Decachlorobiphenyl	2	20	18.4	92		60	140
PB164566BL	PB164566BL	Tetrachloro-m-xylene	1	20	20.3	101		10	157
		Decachlorobiphenyl	1	20	21.9	110		10	173
		Tetrachloro-m-xylene	2	20	18.1	91		10	157
		Decachlorobiphenyl	2	20	21.2	106		10	173
PB164566BS	PB164566BS	Tetrachloro-m-xylene	1	20	20.5	102		10	157
		Decachlorobiphenyl	1	20	22.5	112		10	173
		Tetrachloro-m-xylene	2	20	19.0	95		10	157
		Decachlorobiphenyl	2	20	21.5	107		10	173
PB164566TB	PB164566TB	Tetrachloro-m-xylene	1	20	20.7	103		10	157
		Decachlorobiphenyl	1	20	22.3	112		10	173
		Tetrachloro-m-xylene	2	20	18.3	91		10	157
		Decachlorobiphenyl	2	20	21.0	105		10	173
P4620-02	P001-CF06-01	Tetrachloro-m-xylene	1	20	22.6	113		10	157
		Decachlorobiphenyl	1	20	22.0	110		10	173
		Tetrachloro-m-xylene	2	20	20.4	102		10	157
		Decachlorobiphenyl	2	20	20.1	100		10	173
P4620-04	P001-CF07-01	Tetrachloro-m-xylene	1	20	22.9	115		10	157
		Decachlorobiphenyl	1	20	19.8	99		10	173
		Tetrachloro-m-xylene	2	20	20.9	104		10	157
		Decachlorobiphenyl	2	20	20.3	102		10	173
P4620-06	P001-CF08-01	Tetrachloro-m-xylene	1	20	20.7	103		10	157
		Decachlorobiphenyl	1	20	30.2	151		10	173
		Tetrachloro-m-xylene	2	20	19.9	99		10	157
		Decachlorobiphenyl	2	20	20.5	102		10	173
P4620-08	P001-CF09-01	Tetrachloro-m-xylene	1	20	21.1	106		10	157
		Decachlorobiphenyl	1	20	21.9	110		10	173
		Tetrachloro-m-xylene	2	20	19.8	99		10	157
		Decachlorobiphenyl	2	20	21.3	107		10	173
P4620-10	P001-CF10-01	Tetrachloro-m-xylene	1	20	21.6	108		10	157
		Decachlorobiphenyl	1	20	24.8	124		10	173
		Tetrachloro-m-xylene	2	20	20.0	100		10	157
		Decachlorobiphenyl	2	20	23.9	119		10	173
P4620-12	P001-CF11-01	Tetrachloro-m-xylene	1	20	18.9	95		10	157
		Decachlorobiphenyl	1	20	16.4	82		10	173

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Surrogate Summary

SDG No.: P4620

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4620-12	P001-CF11-01	Tetrachloro-m-xylene	2	20	17.8	89		10	157
		Decachlorobiphenyl	2	20	16.3	81		10	173
P4620-14	P001-CF12-01	Tetrachloro-m-xylene	1	20	20.5	102		10	157
		Decachlorobiphenyl	1	20	20.4	102		10	173
		Tetrachloro-m-xylene	2	20	19.7	98		10	157
		Decachlorobiphenyl	2	20	20.3	101		10	173
I.BLK-PP068337.D	PIBLK-PP068337.D	Tetrachloro-m-xylene	1	20	18.6	93		60	140
		Decachlorobiphenyl	1	20	19.7	98		60	140
		Tetrachloro-m-xylene	2	20	16.5	82		60	140
		Decachlorobiphenyl	2	20	18.5	92		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4620

Client: Weston Solutions, Inc.

Analytical Method: 8082A **DataFile :** PO107573.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**P001-CF16-01MS**											
P4620-26MS	AR1016	5	0	5.50	ug/L	110				66	146	
	AR1260	5	0	5.60	ug/L	112				49	147	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4620

Client: Weston Solutions, Inc.

Analytical Method: 8082A **DataFile :** PO107574.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**P001-CF16-01MSD**											
P4620-27MSD	AR1016	5	0	5.50	ug/L	110		0		66	146	20
	AR1260	5	0	5.70	ug/L	114		2		49	147	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4620

Client: Weston Solutions, Inc.

Analytical Method: 8082A **Datafile :** PP068324.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164566BS	AR1016	5	4.30	ug/L	86				61	112	
	AR1260	5	4.10	ug/L	82				66	113	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164566BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620

Lab Sample ID: PB164566BL Lab File ID: PP068323.D

Matrix: (soil/water) WATER Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/31/2024

Date Analyzed (1): 10/31/2024 Date Analyzed (2): 10/31/2024

Time Analyzed (1): 15:39 Time Analyzed (2): 15:39

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
P001-CF13-01	P4620-16	PO107569.D	10/31/2024	10/31/2024
P001-CF14-01	P4620-18	PO107570.D	10/31/2024	10/31/2024
P001-CF15-01	P4620-20	PO107571.D	10/31/2024	10/31/2024
P001-CF16-01	P4620-25	PO107572.D	10/31/2024	10/31/2024
P001-CF16-01MS	P4620-26MS	PO107573.D	10/31/2024	10/31/2024
P001-CF16-01MSD	P4620-27MSD	PO107574.D	10/31/2024	10/31/2024
P001-CF16-02	P4620-30	PO107575.D	10/31/2024	10/31/2024
PB164566BS	PB164566BS	PP068324.D	10/31/2024	10/31/2024
PB164566TB	PB164566TB	PP068325.D	10/31/2024	10/31/2024
P001-CF06-01	P4620-02	PP068326.D	10/31/2024	10/31/2024
P001-CF07-01	P4620-04	PP068327.D	10/31/2024	10/31/2024
P001-CF08-01	P4620-06	PP068328.D	10/31/2024	10/31/2024
P001-CF09-01	P4620-08	PP068329.D	10/31/2024	10/31/2024
P001-CF10-01	P4620-10	PP068330.D	10/31/2024	10/31/2024
P001-CF11-01	P4620-12	PP068331.D	10/31/2024	10/31/2024
P001-CF12-01	P4620-14	PP068332.D	10/31/2024	10/31/2024

COMMENTS:

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF06-01	SDG No.:	P4620
Lab Sample ID:	P4620-02	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068326.D	1	10/31/24 10:30	10/31/24 16:28	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.6		10 - 157	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		10 - 173	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:28
Operator : YP\AJ
Sample : P4620-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF06-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.761	4.052	20906216	20560536	22.586	20.349
2)	SA Decachlor...	10.674	9.209	25316673	22533582	21.990	20.093
	Target Compounds						

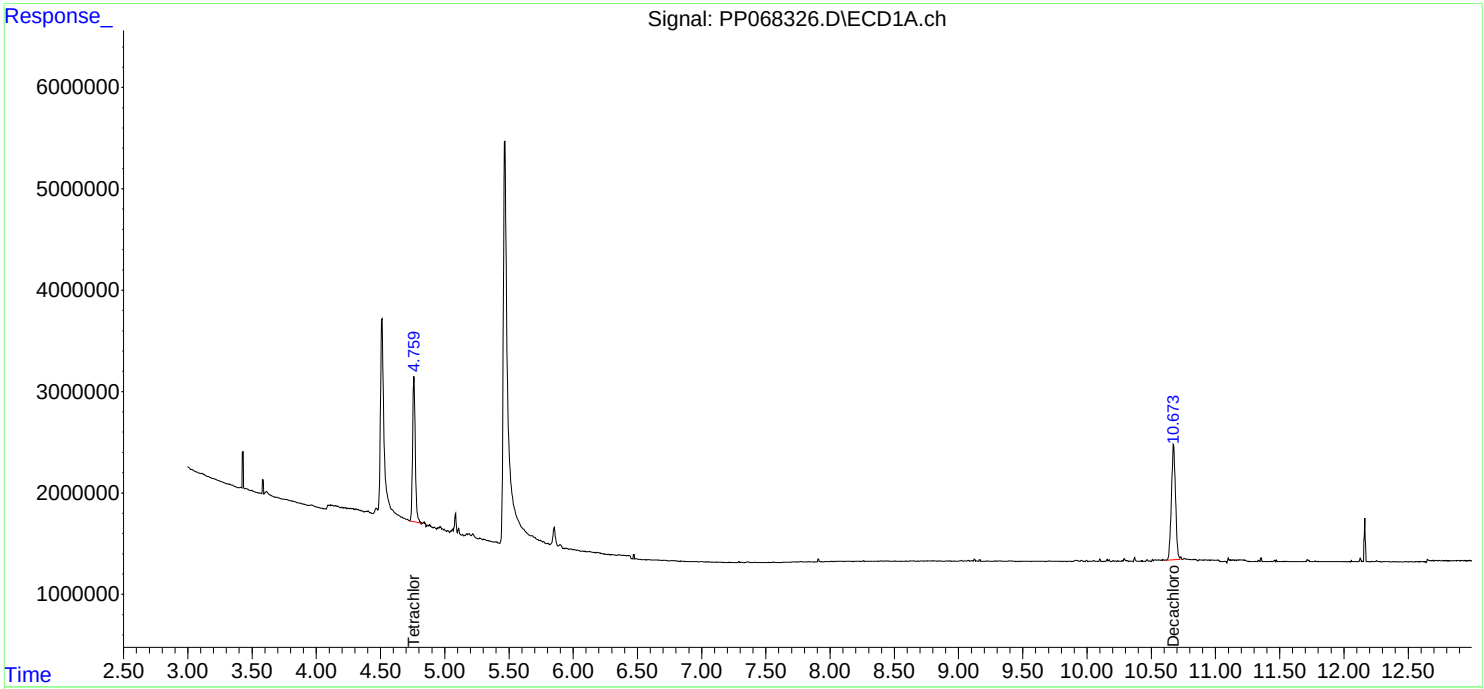
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

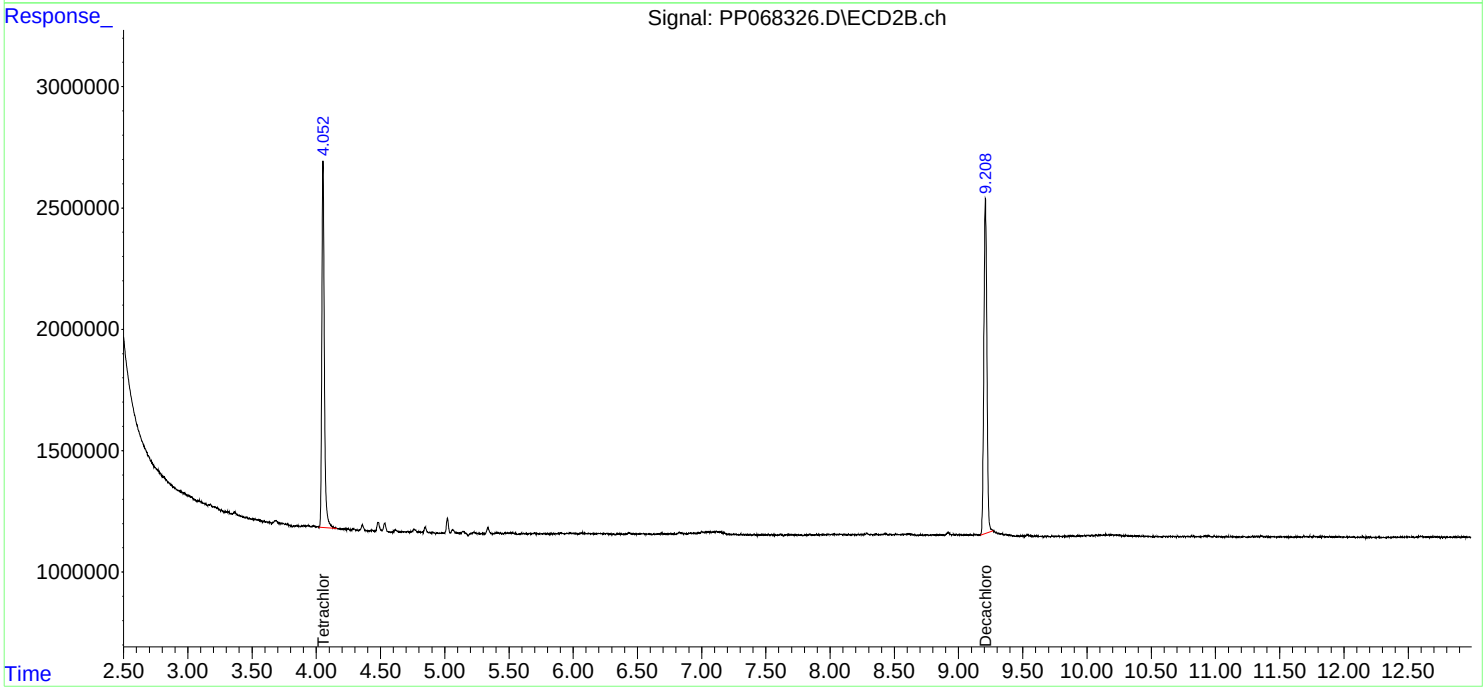
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:28
Operator : YP\AJ
Sample : P4620-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

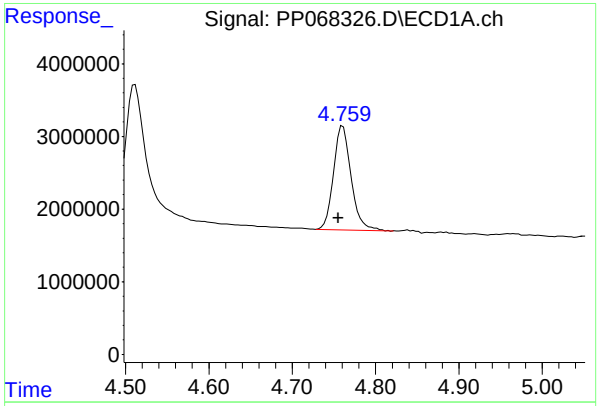
Instrument :
ECD_P
ClientSampleId :
P001-CF06-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



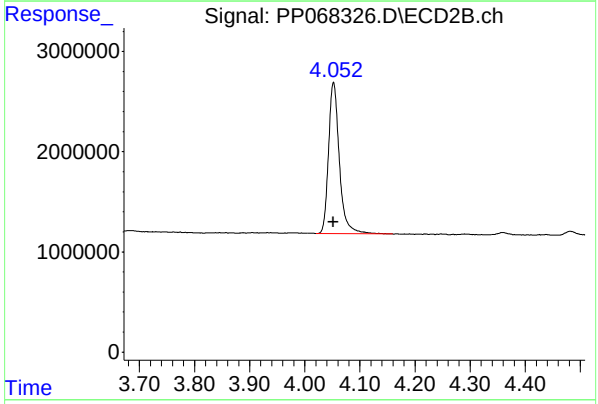




#1 Tetrachloro-m-xylene

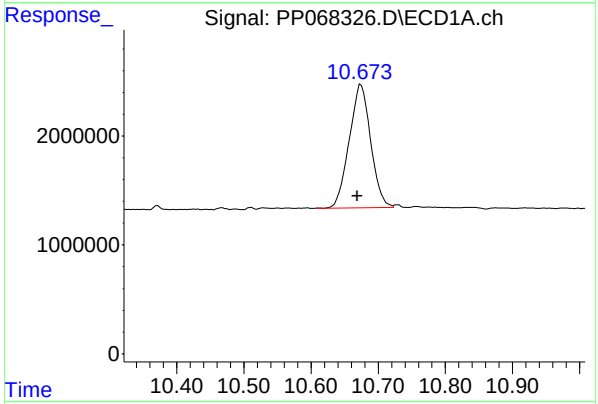
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 20906216
Conc: 22.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF06-01



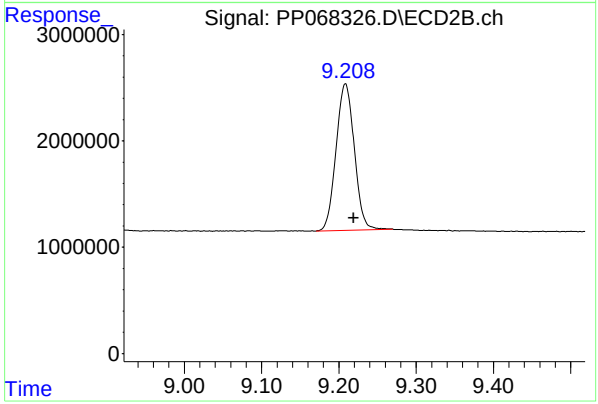
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20560536
Conc: 20.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.005 min
Response: 25316673
Conc: 21.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 22533582
Conc: 20.09 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF07-01	SDG No.:	P4620
Lab Sample ID:	P4620-04	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068327.D	1	10/31/24 10:30	10/31/24 16:44	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		10 - 157	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		10 - 173	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_P\Data\PP103124\
Data File : PP068327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:44
Operator : YP\AJ
Sample : P4620-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF07-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.053	21192619	21110964	22.895	20.894
2)	SA Decachlor...	10.673	9.210	22806019	22781783	19.809	20.314
	Target Compounds						

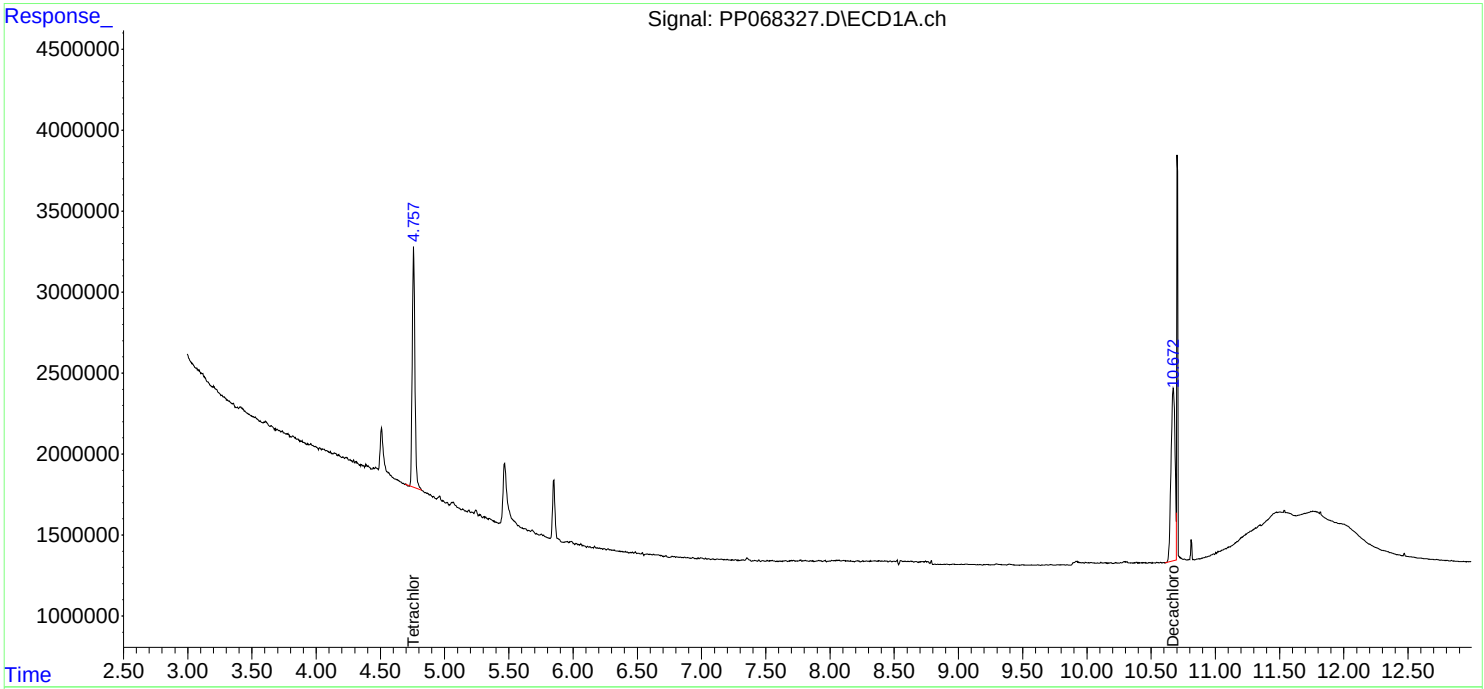
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

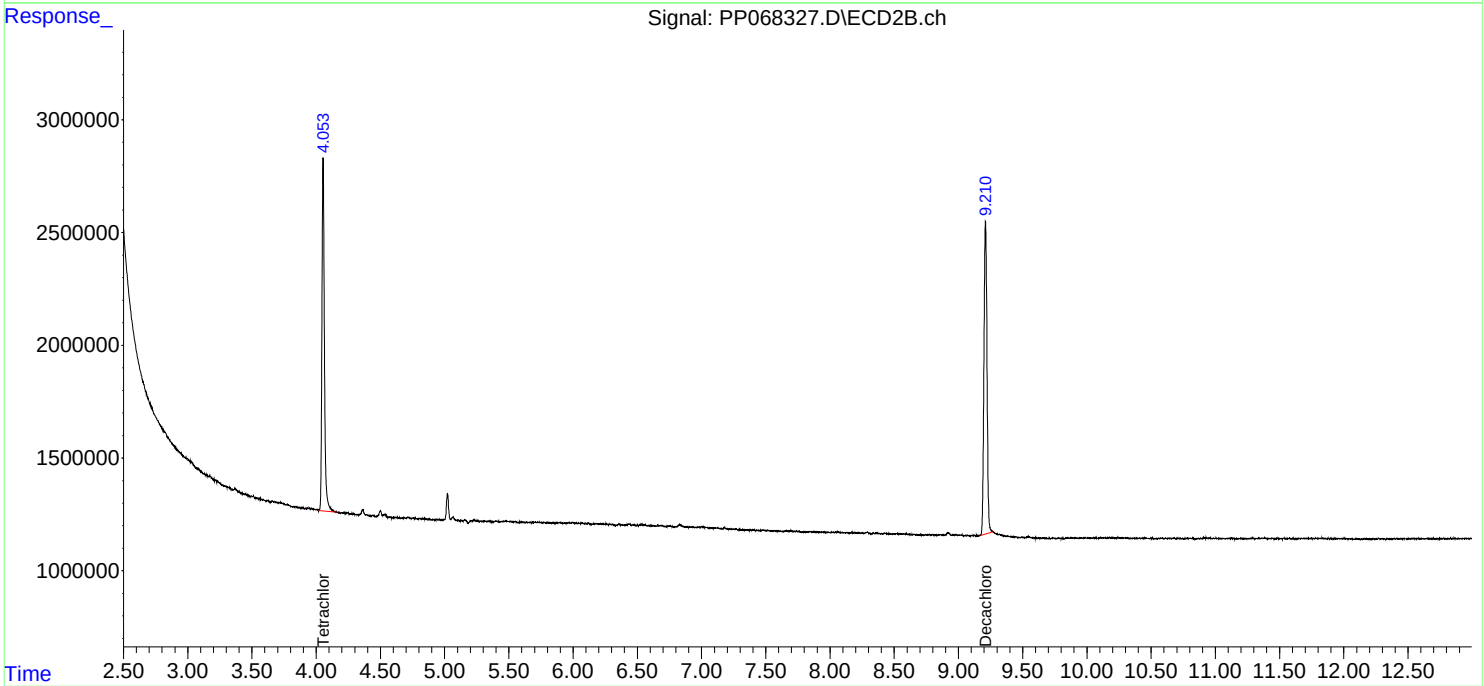
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:44
Operator : YP\AJ
Sample : P4620-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

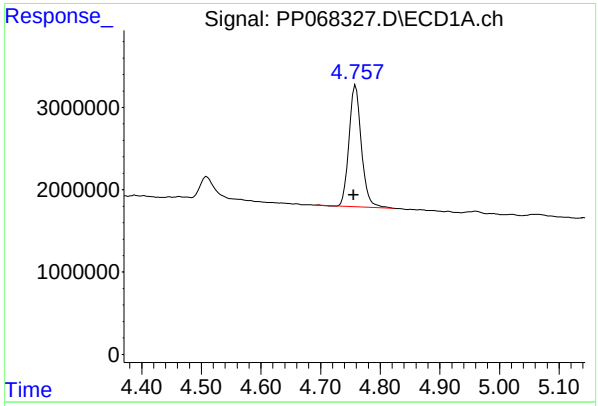
Instrument :
ECD_P
ClientSampleId :
P001-CF07-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



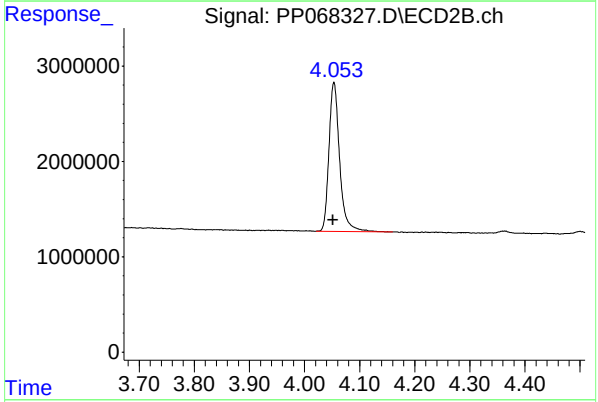




#1 Tetrachloro-m-xylene

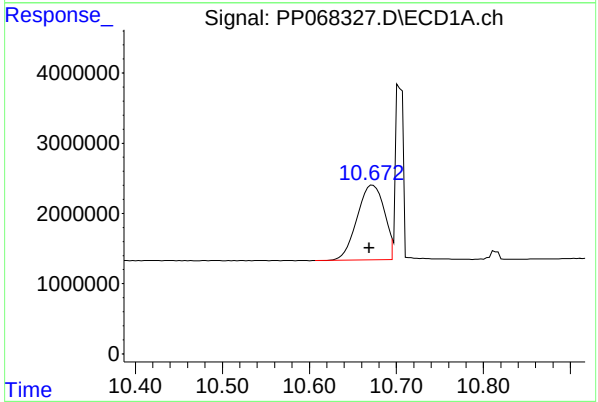
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 21192619
Conc: 22.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF07-01



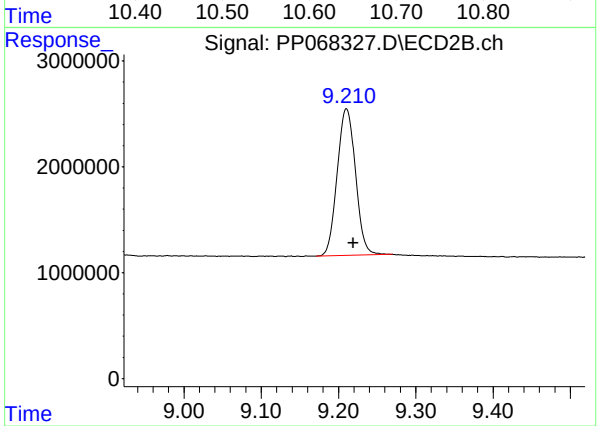
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 21110964
Conc: 20.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 22806019
Conc: 19.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.009 min
Response: 22781783
Conc: 20.31 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF08-01	SDG No.:	P4620
Lab Sample ID:	P4620-06	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068328.D	1	10/31/24 10:30	10/31/24 17:01	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		10 - 157	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	30.2		10 - 173	151%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:01
Operator : YP\AJ
Sample : P4620-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF08-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:44:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.052	19141496	20086208	20.679	19.879
2)	SA Decachlor...	10.684	9.208	34759133	22969056	30.191	20.481 #
	Target Compounds						

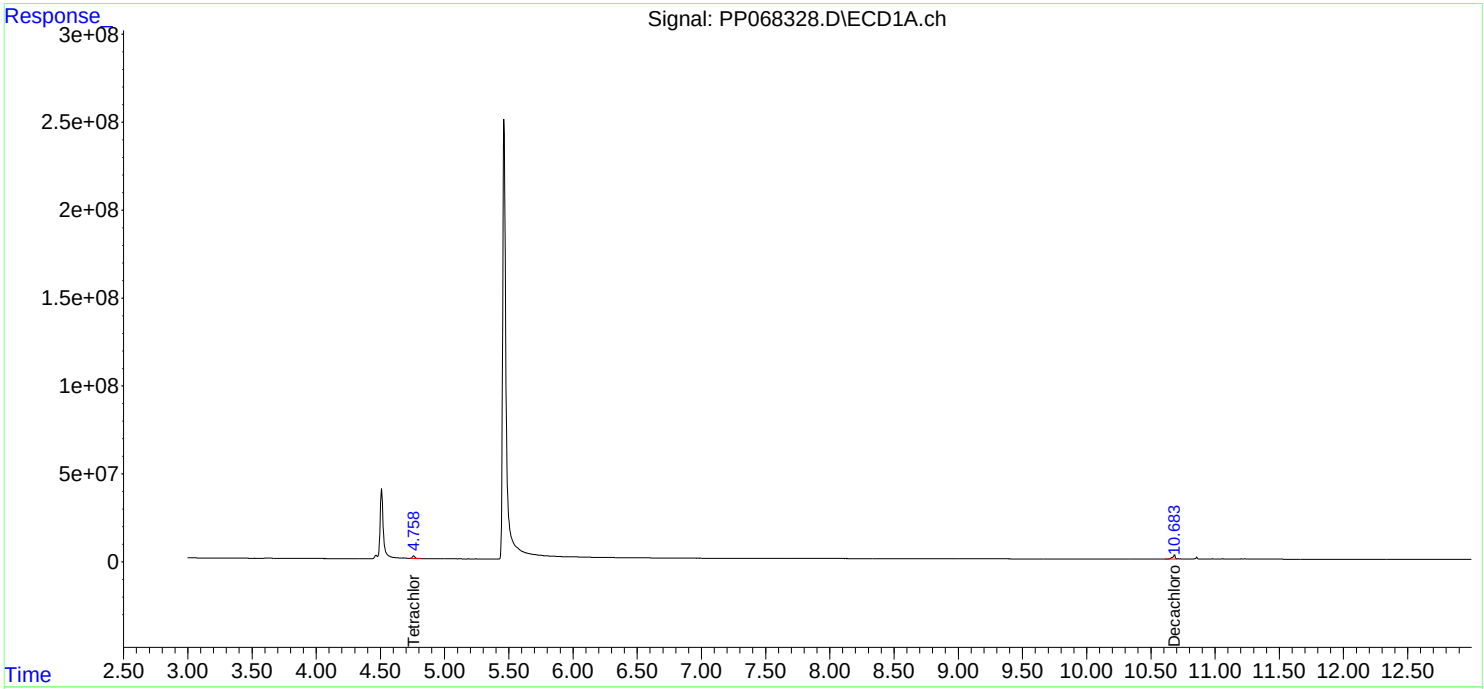
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

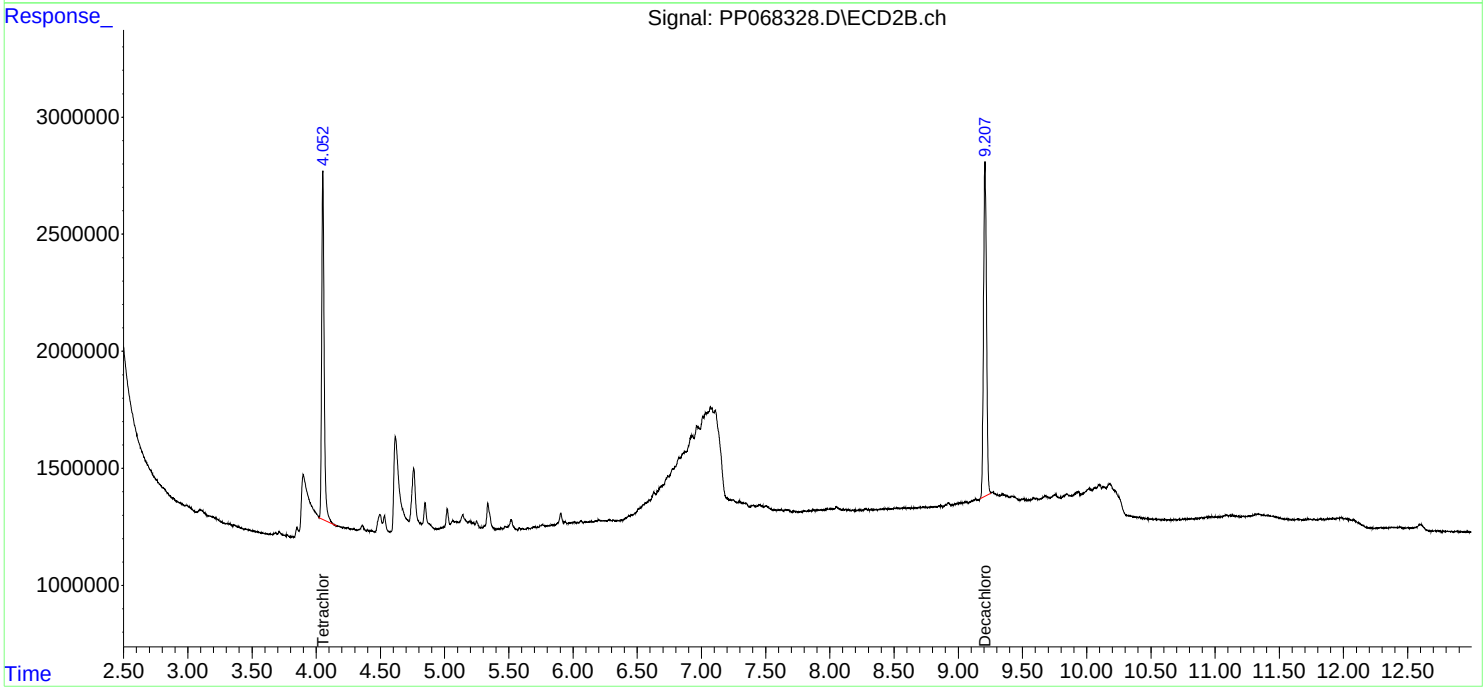
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:01
Operator : YP\AJ
Sample : P4620-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

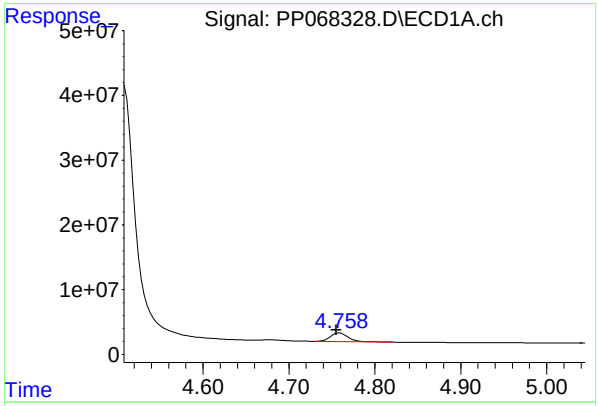
Instrument :
ECD_P
ClientSampleId :
P001-CF08-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:44:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



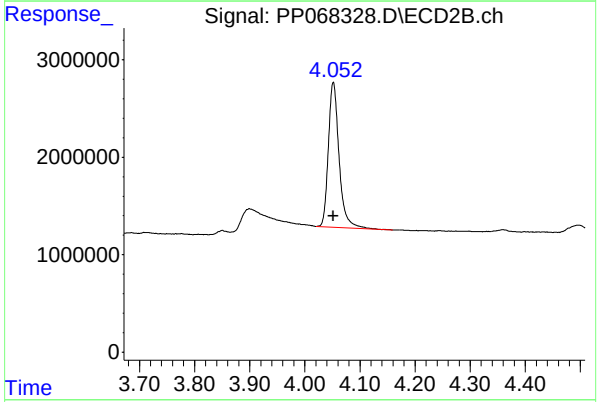




#1 Tetrachloro-m-xylene

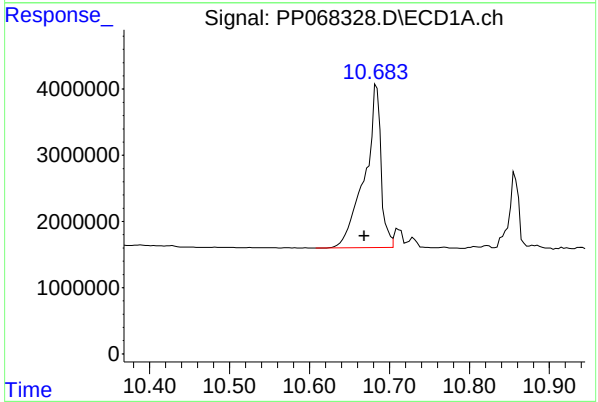
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 19141496
Conc: 20.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF08-01



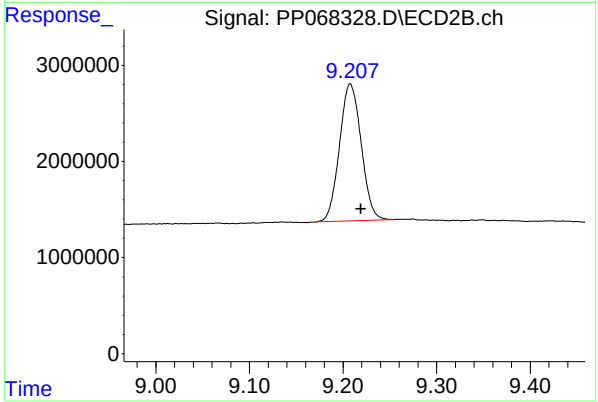
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20086208
Conc: 19.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.684 min
Delta R.T.: 0.015 min
Response: 34759133
Conc: 30.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.208 min
Delta R.T.: -0.011 min
Response: 22969056
Conc: 20.48 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF09-01	SDG No.:	P4620
Lab Sample ID:	P4620-08	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068329.D	1	10/31/24 10:30	10/31/24 17:17	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		10 - 157	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		10 - 173	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:17
Operator : YP\AJ
Sample : P4620-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF09-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.761	4.053	19543379	20031840	21.113	19.826
2)	SA Decachlor...	10.673	9.209	25222923	23926550	21.908	21.335
	Target Compounds						

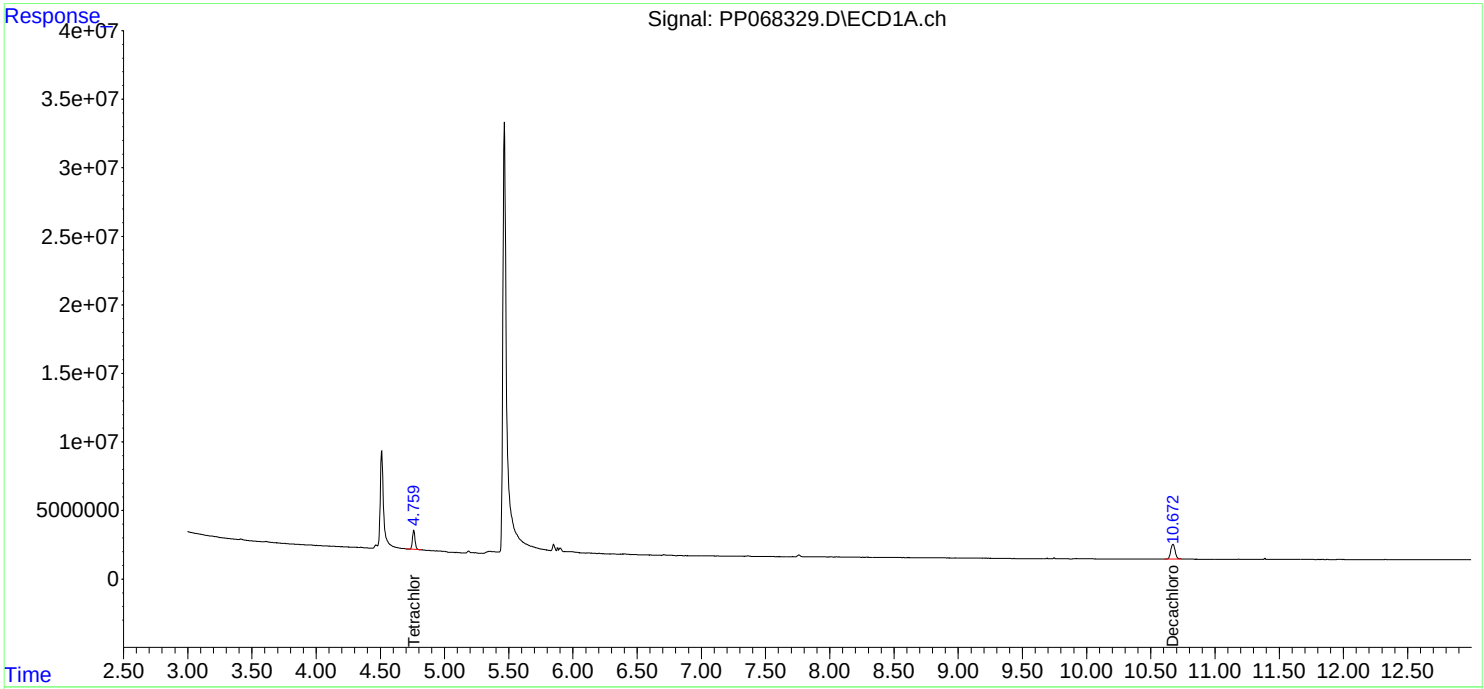
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

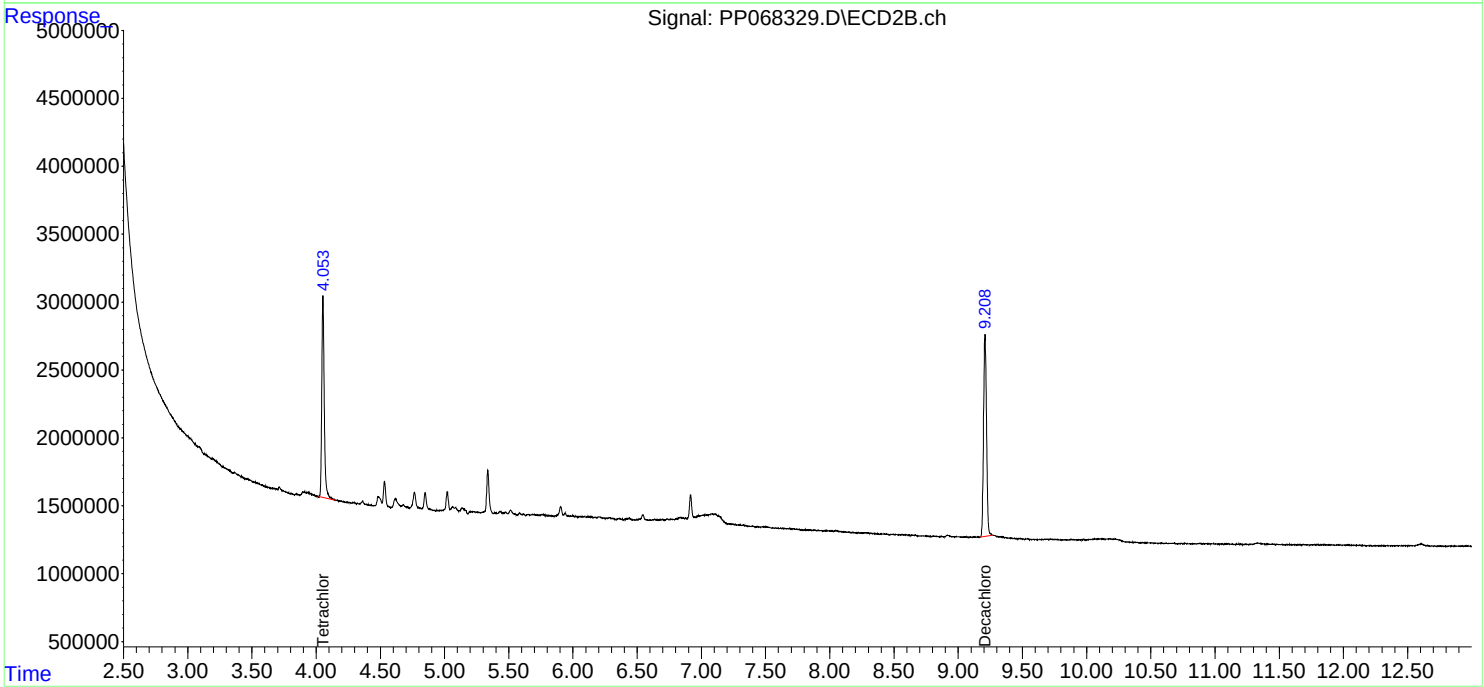
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:17
Operator : YP\AJ
Sample : P4620-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

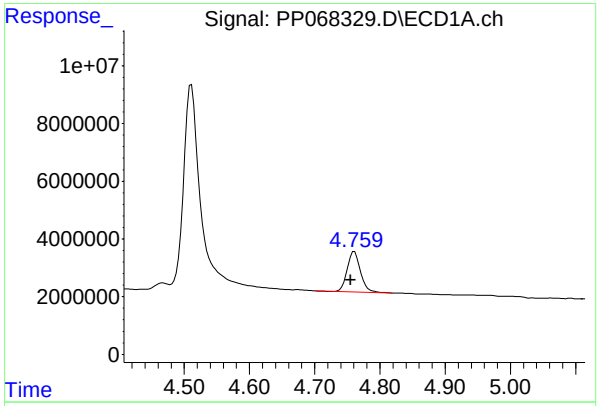
Instrument :
ECD_P
ClientSampleId :
P001-CF09-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



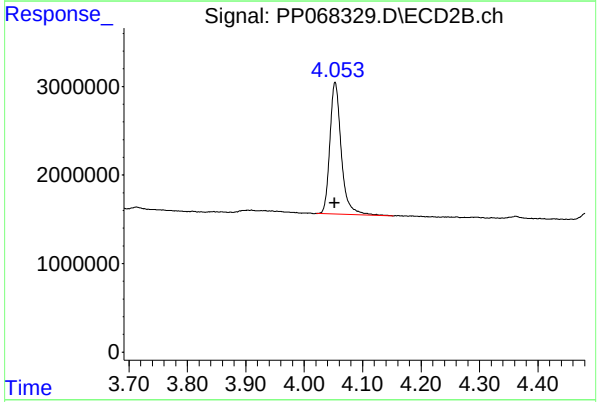




#1 Tetrachloro-m-xylene

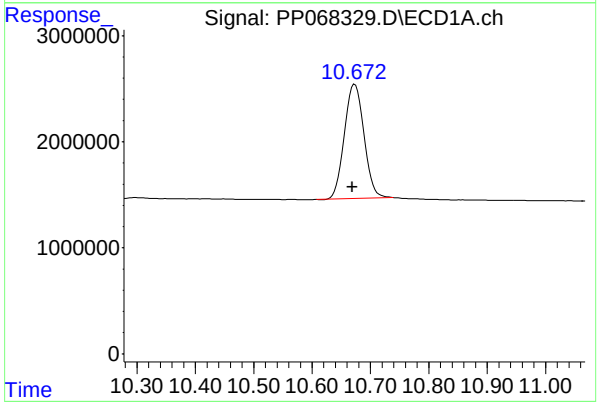
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 19543379
Conc: 21.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF09-01



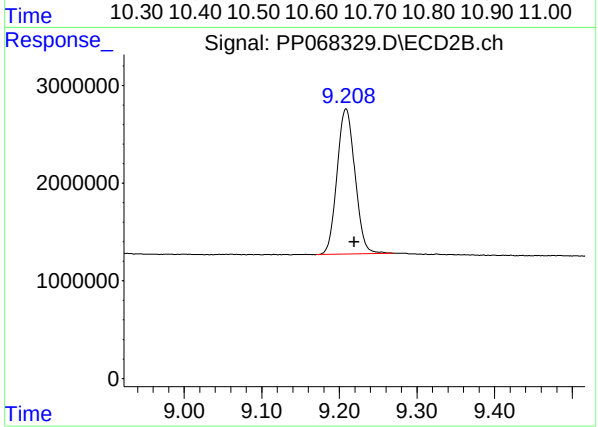
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 20031840
Conc: 19.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 25222923
Conc: 21.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 23926550
Conc: 21.34 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF10-01	SDG No.:	P4620
Lab Sample ID:	P4620-10	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068330.D	1	10/31/24 10:30	10/31/24 17:33	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		10 - 157	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.8		10 - 173	124%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:33
Operator : YP\AJ
Sample : P4620-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF10-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.053	20034939	20181904	21.644m	19.974
2)	SA Decachlor...	10.673	9.208	28559517	26795721	24.806	23.894
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:33
Operator : YP\AJ
Sample : P4620-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

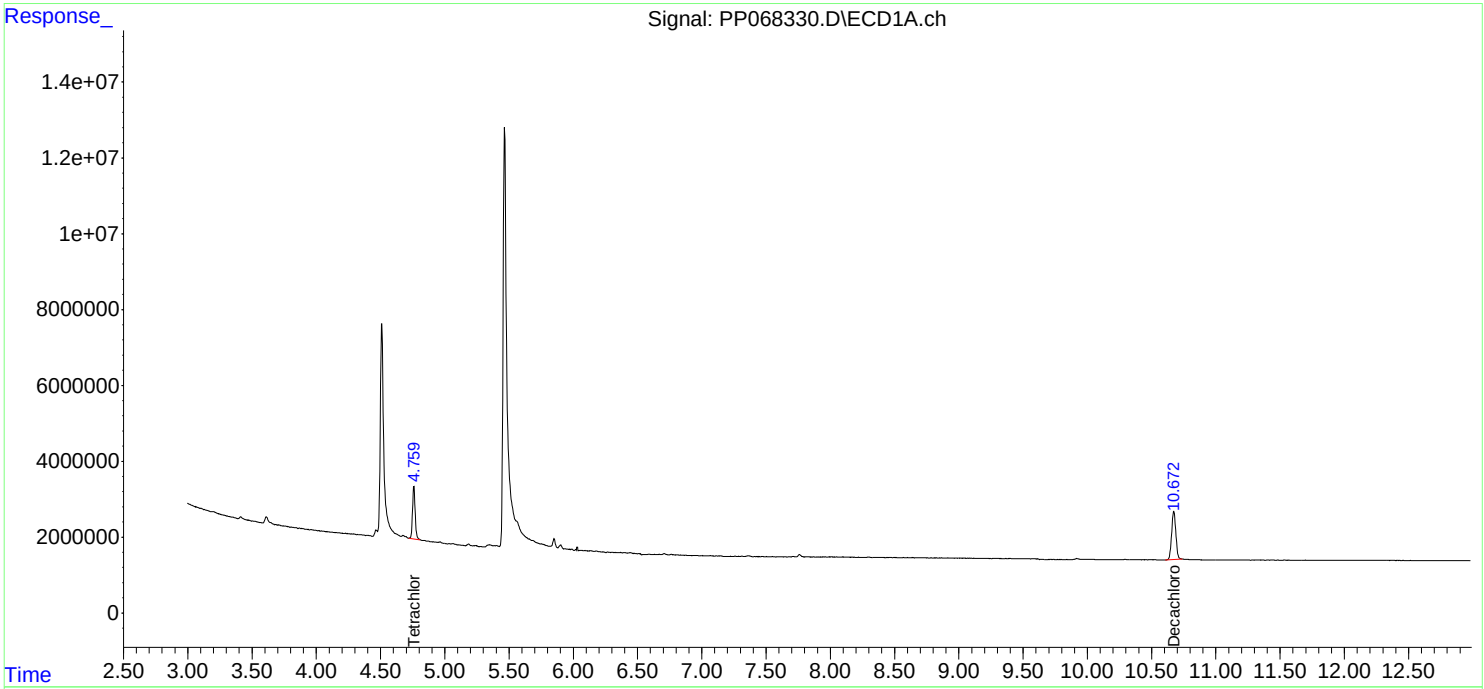
Instrument :
ECD_P
ClientSampleId :
P001-CF10-01

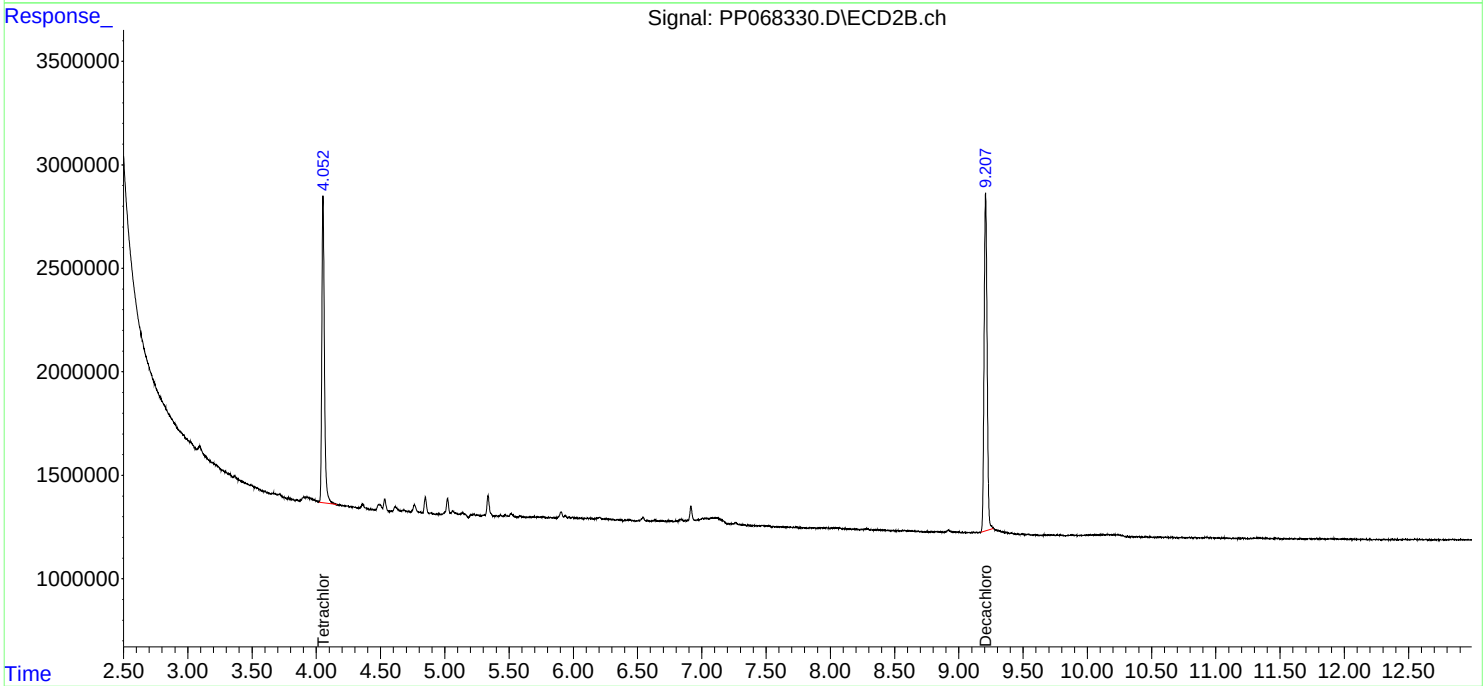
Manual Integrations APPROVED

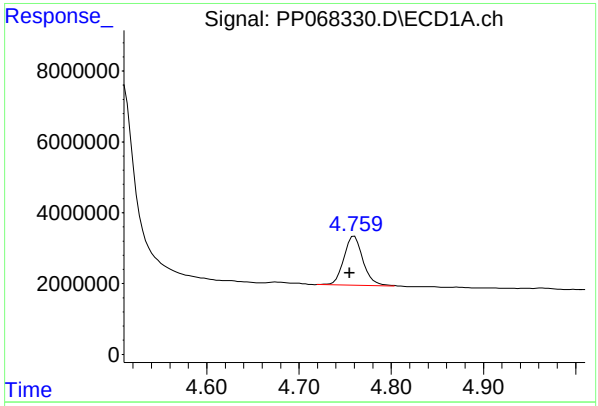
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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







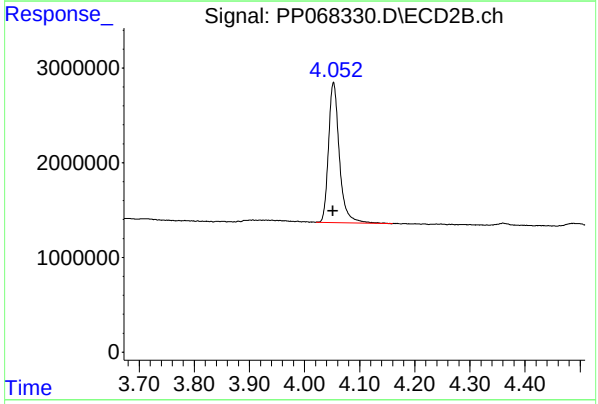
#1 Tetrachloro-m-xylene

R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 20034939
Conc: 21.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF10-01

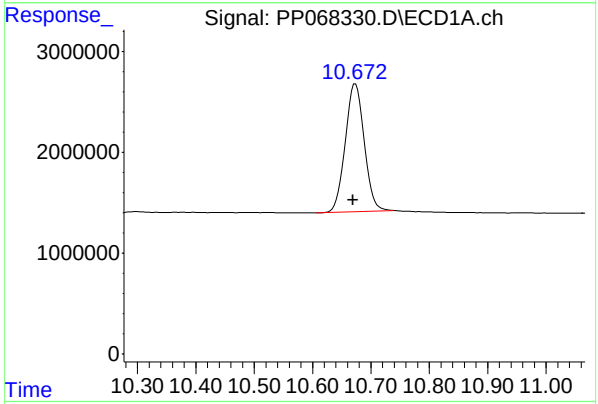
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



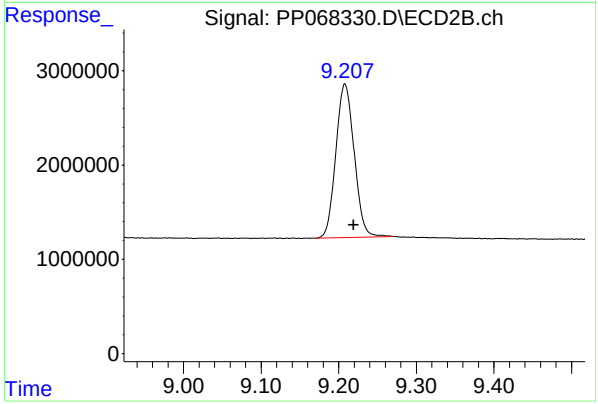
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 20181904
Conc: 19.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.005 min
Response: 28559517
Conc: 24.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.208 min
Delta R.T.: -0.011 min
Response: 26795721
Conc: 23.89 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF11-01	SDG No.:	P4620
Lab Sample ID:	P4620-12	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068331.D	1	10/31/24 10:30	10/31/24 17:50	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		10 - 157	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		10 - 173	82%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:50
Operator : YP\AJ
Sample : P4620-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF11-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:46:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.757	4.052	17505365	18004954	18.912	17.820
2)	SA Decachlor...	10.670	9.210	18818909	18285315	16.346	16.305
	Target Compounds						

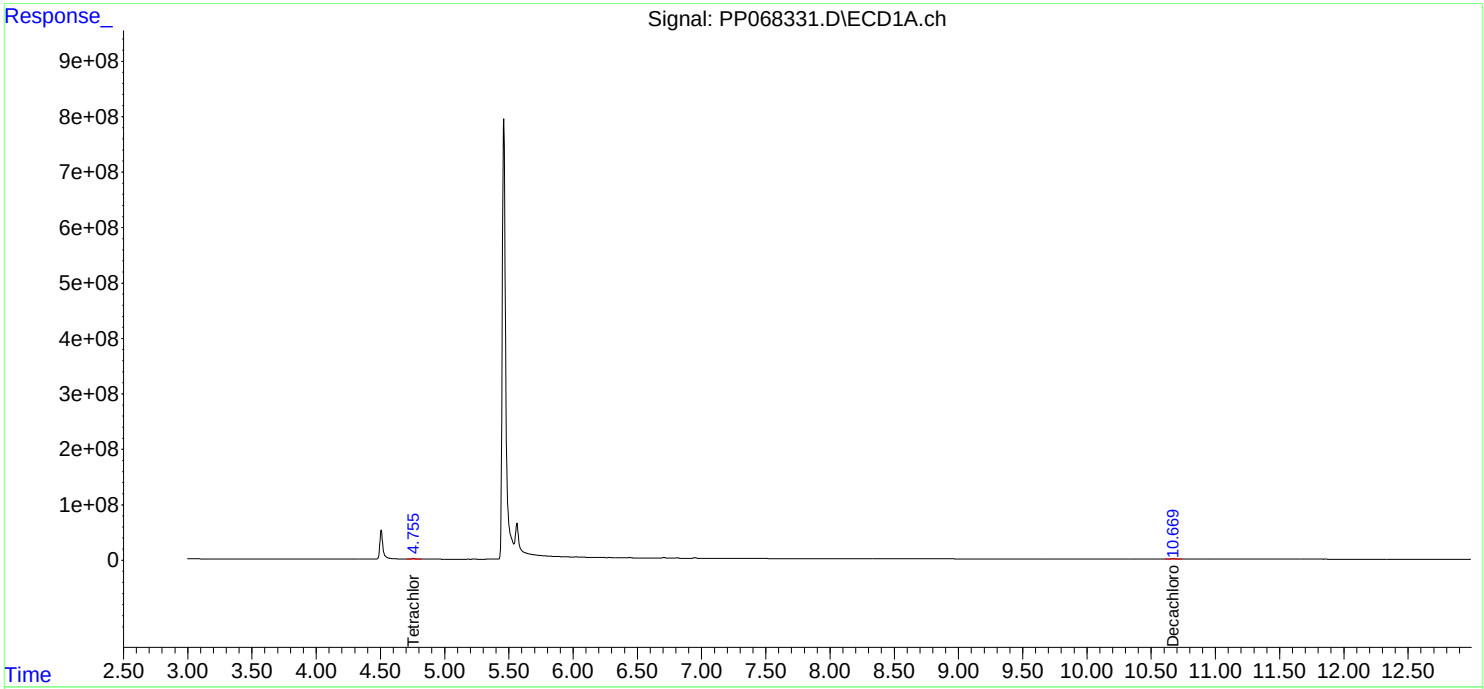
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

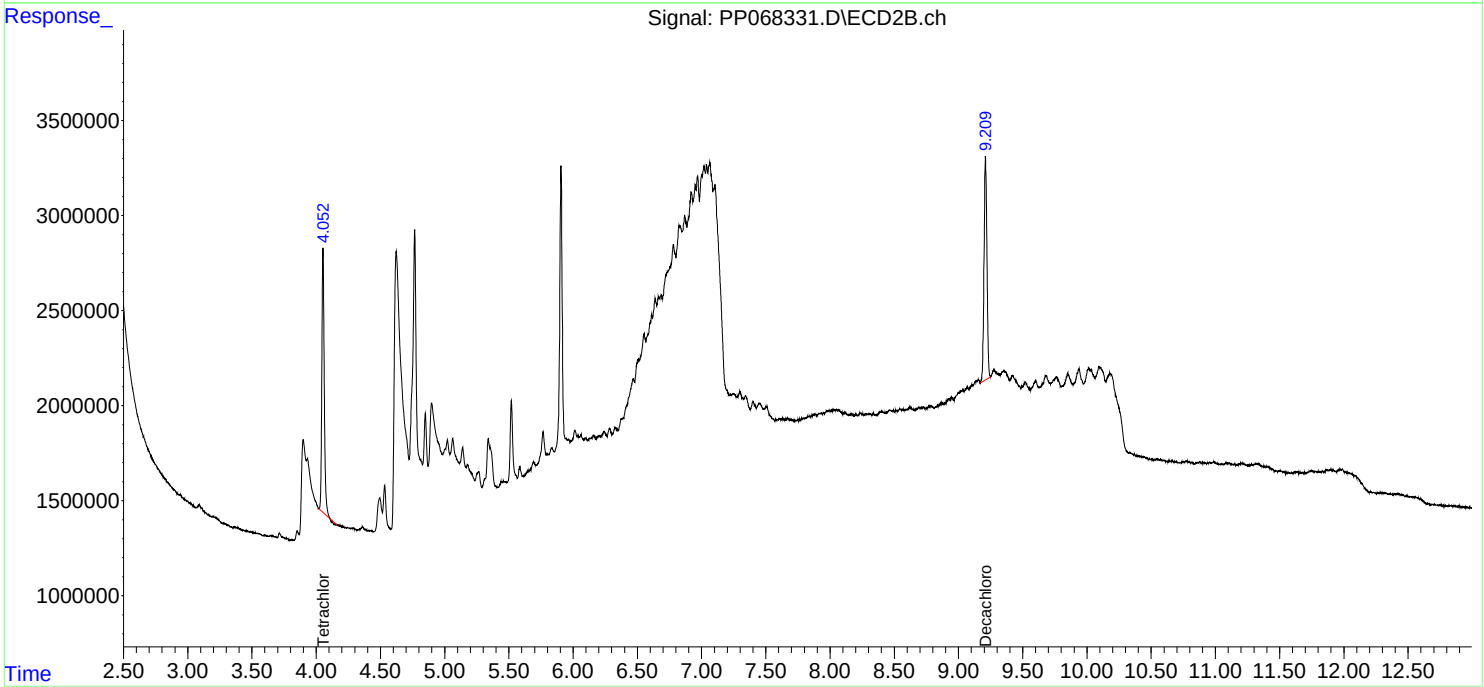
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:50
Operator : YP\AJ
Sample : P4620-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

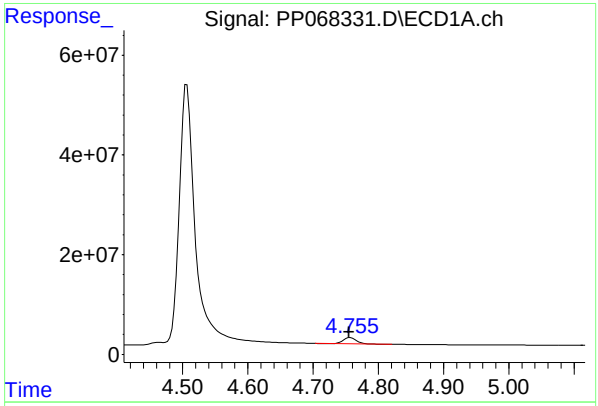
Instrument :
ECD_P
ClientSampleId :
P001-CF11-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:46:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



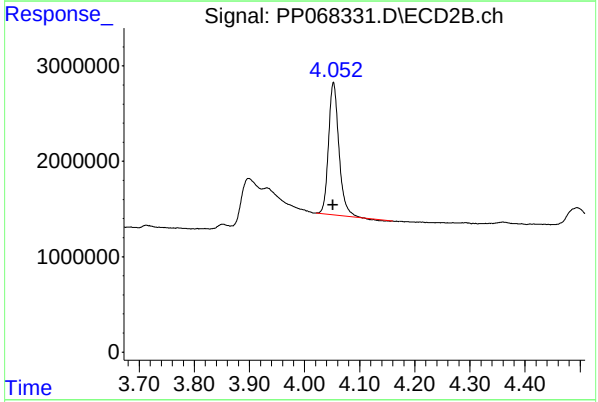




#1 Tetrachloro-m-xylene

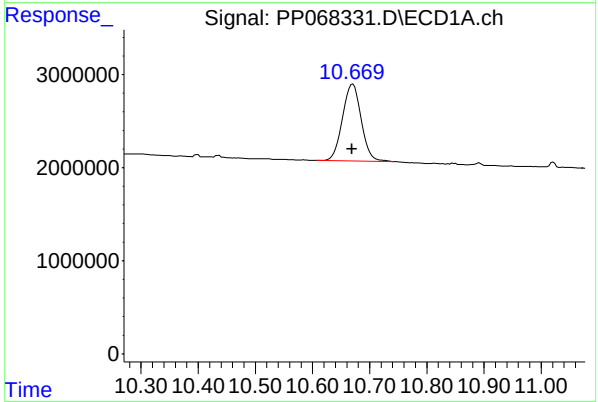
R.T.: 4.757 min
Delta R.T.: 0.002 min
Response: 17505365
Conc: 18.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF11-01



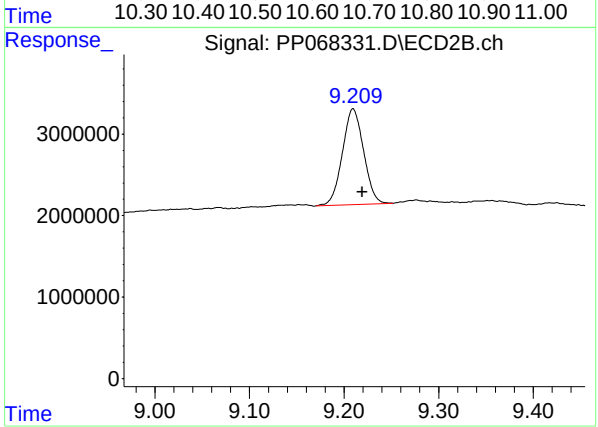
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 18004954
Conc: 17.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.002 min
Response: 18818909
Conc: 16.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.010 min
Response: 18285315
Conc: 16.30 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF12-01	SDG No.:	P4620
Lab Sample ID:	P4620-14	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068332.D	1	10/31/24 10:30	10/31/24 18:06	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		10 - 157	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		10 - 173	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:06
Operator : YP\AJ
Sample : P4620-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CF12-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:47:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.052	18956616	19884544	20.479	19.680
2)	SA Decachlor...	10.672	9.209	23535696	22721658	20.443	20.261
	Target Compounds						

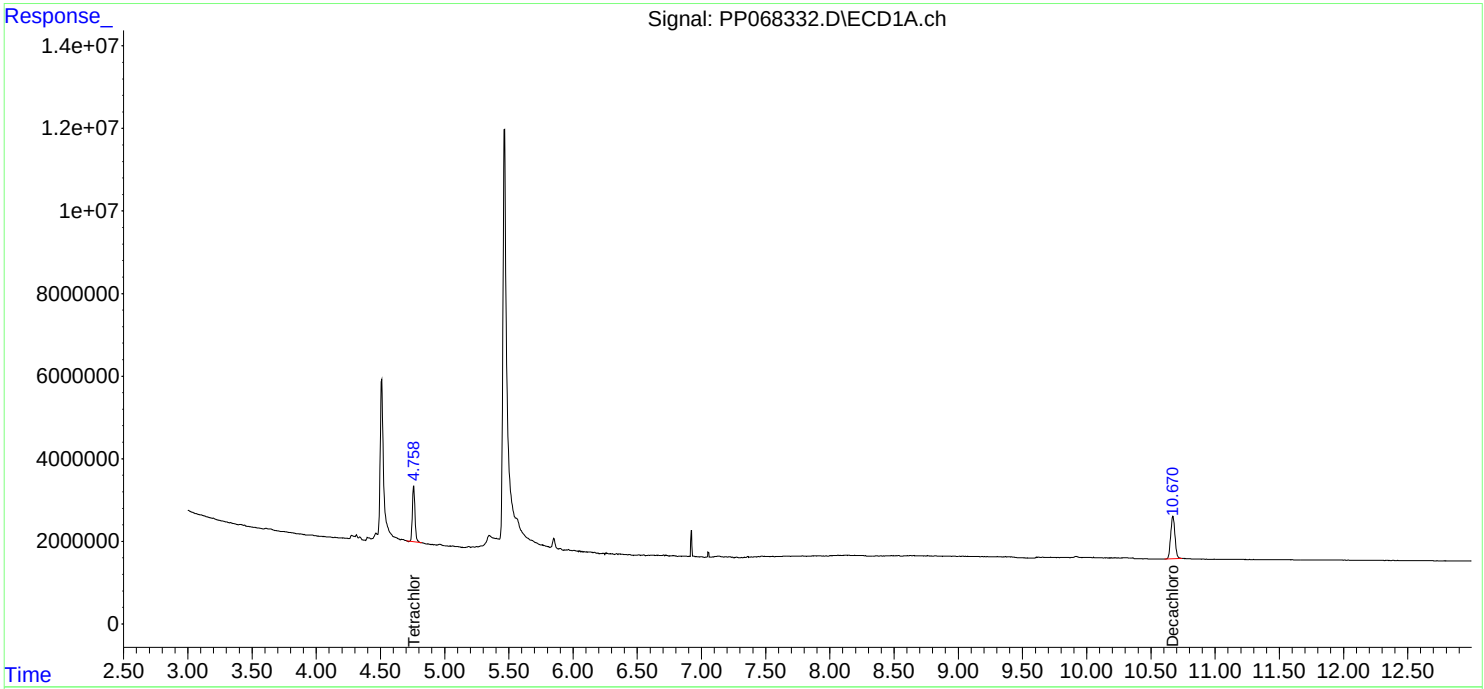
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

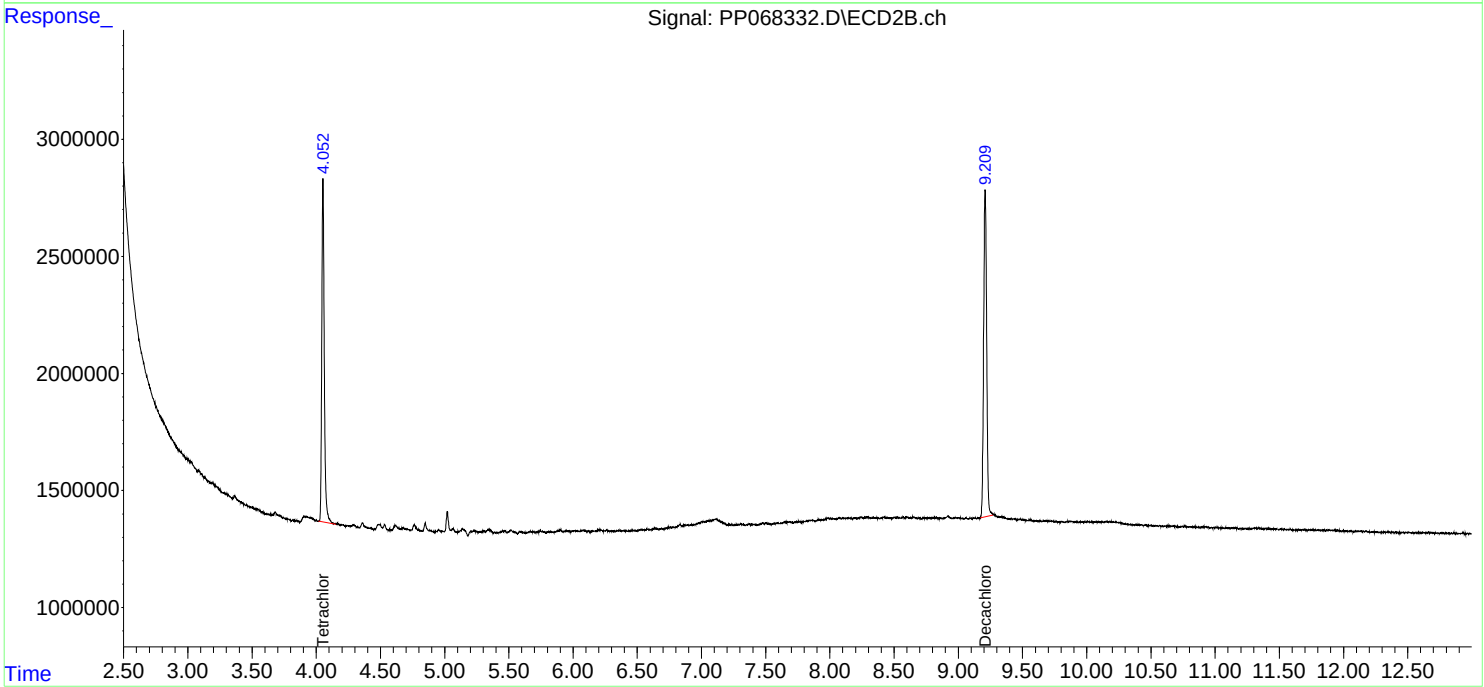
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:06
Operator : YP\AJ
Sample : P4620-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

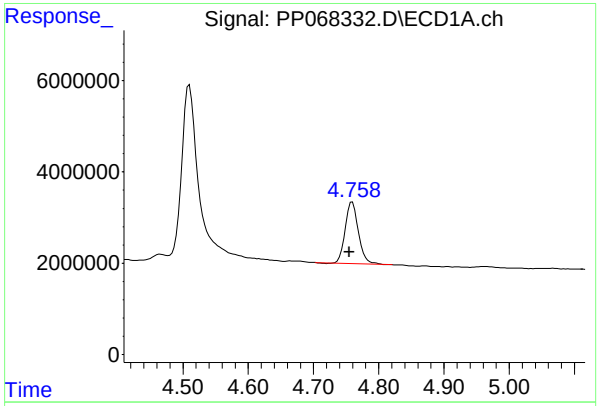
Instrument :
ECD_P
ClientSampleId :
P001-CF12-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:47:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



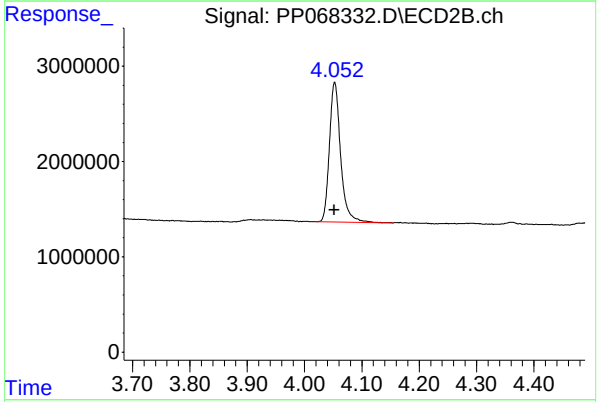




#1 Tetrachloro-m-xylene

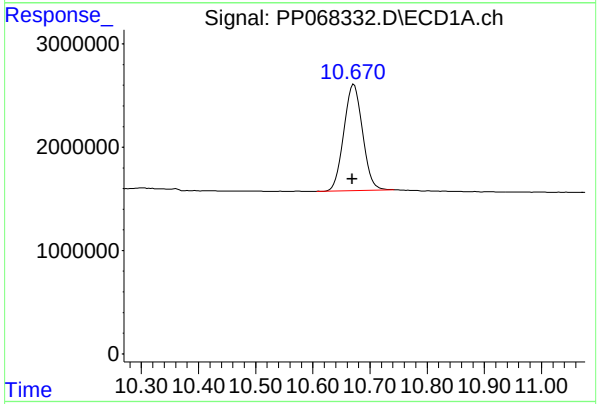
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 18956616
Conc: 20.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CF12-01



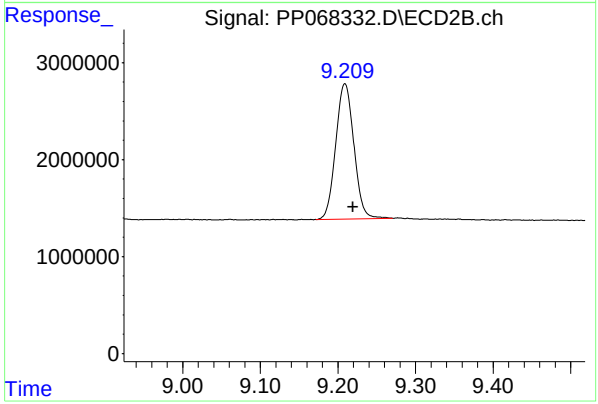
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 19884544
Conc: 19.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.672 min
Delta R.T.: 0.003 min
Response: 23535696
Conc: 20.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 22721658
Conc: 20.26 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF13-01	SDG No.:	P4620
Lab Sample ID:	P4620-16	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107569.D	1	10/31/24 10:30	10/31/24 18:31	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		10 - 157	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		10 - 173	86%	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\PO103124\
Data File : PO107569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:31
Operator : YP/AJ
Sample : P4620-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF13-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:11:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.370	3.644	153.5E6	69524096	16.842m	21.601m#
2)	SA Decachlor...	10.068	8.641	42240503	44611459	17.217	16.272
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:31
Operator : YP/AJ
Sample : P4620-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

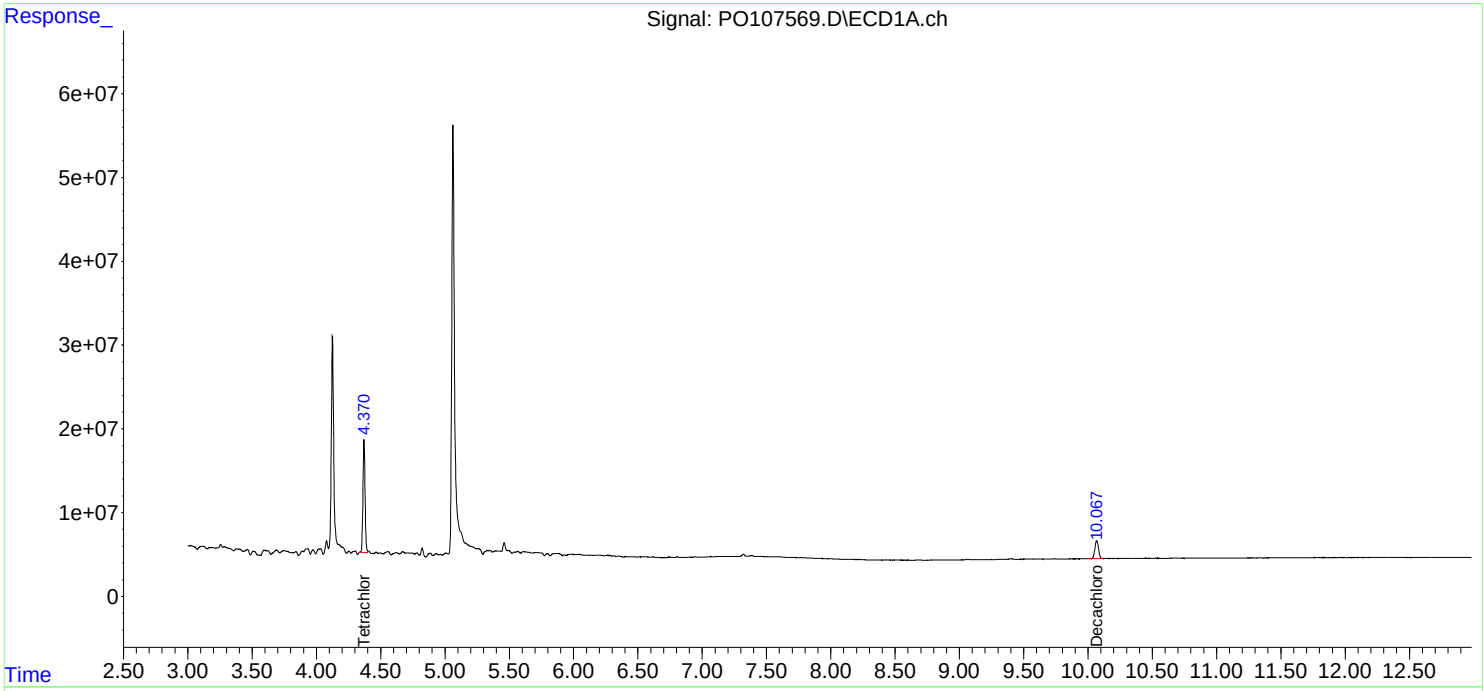
Instrument :
ECD_O
ClientSampleId :
P001-CF13-01

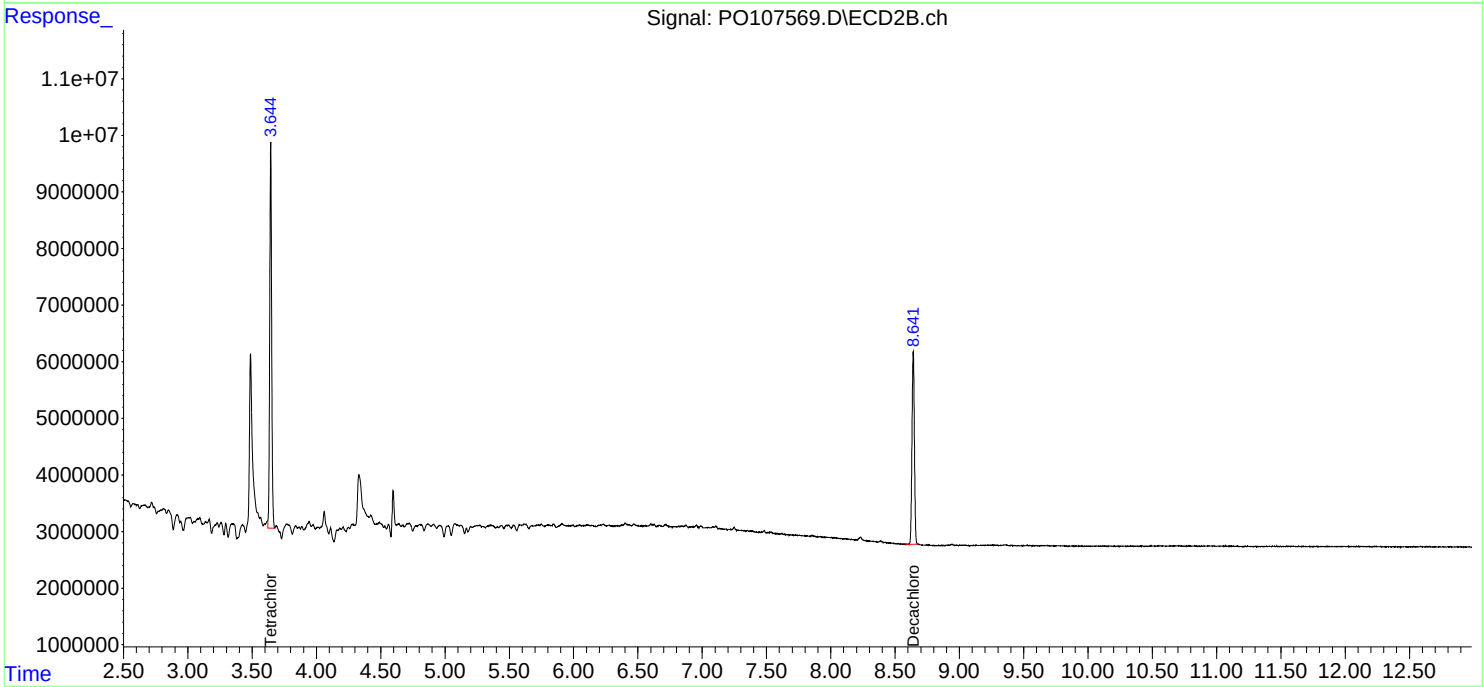
Manual Integrations APPROVED

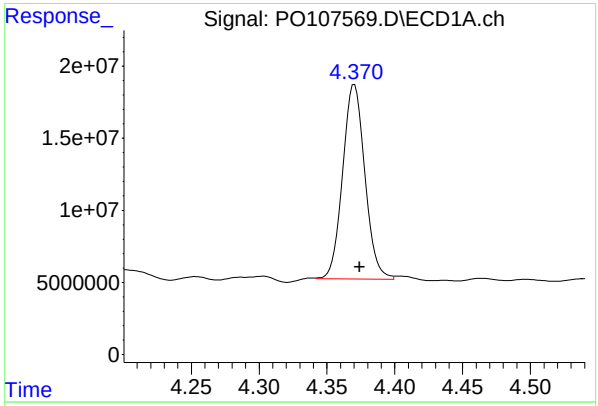
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:11:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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







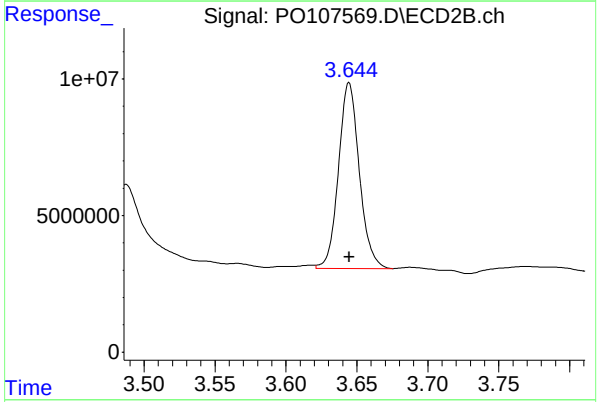
#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 153496973
Conc: 16.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF13-01

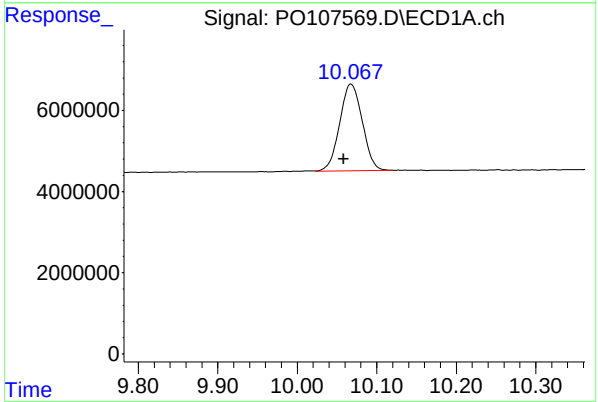
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



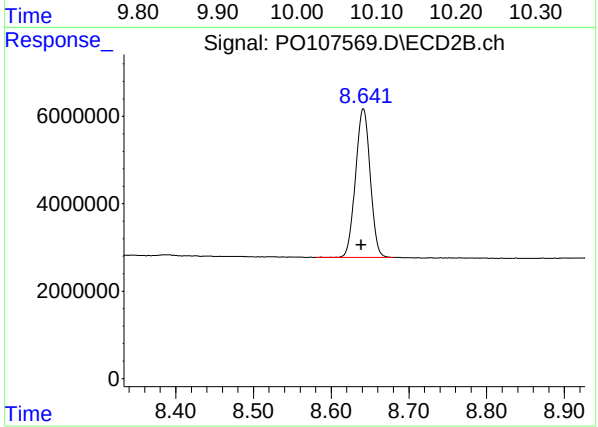
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 69524096
Conc: 21.60 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 42240503
Conc: 17.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.003 min
Response: 44611459
Conc: 16.27 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF14-01	SDG No.:	P4620
Lab Sample ID:	P4620-18	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107570.D	1	10/31/24 10:30	10/31/24 18:48	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		10 - 157	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		10 - 173	98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:48
Operator : YP/AJ
Sample : P4620-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF14-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.371	3.644	211.6E6	76274362	23.214	23.699
2)	SA Decachlor...	10.067	8.639	47923935	51249475	19.534	18.693
	Target Compounds						

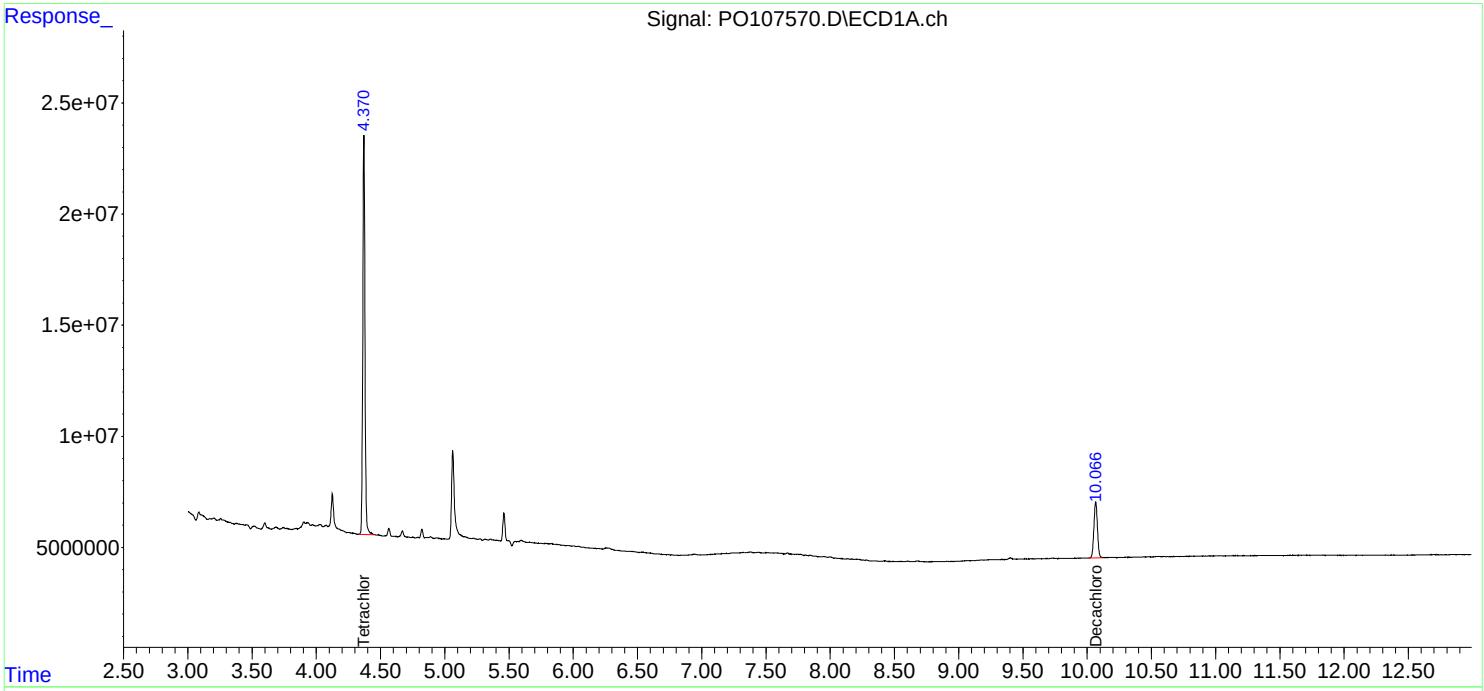
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

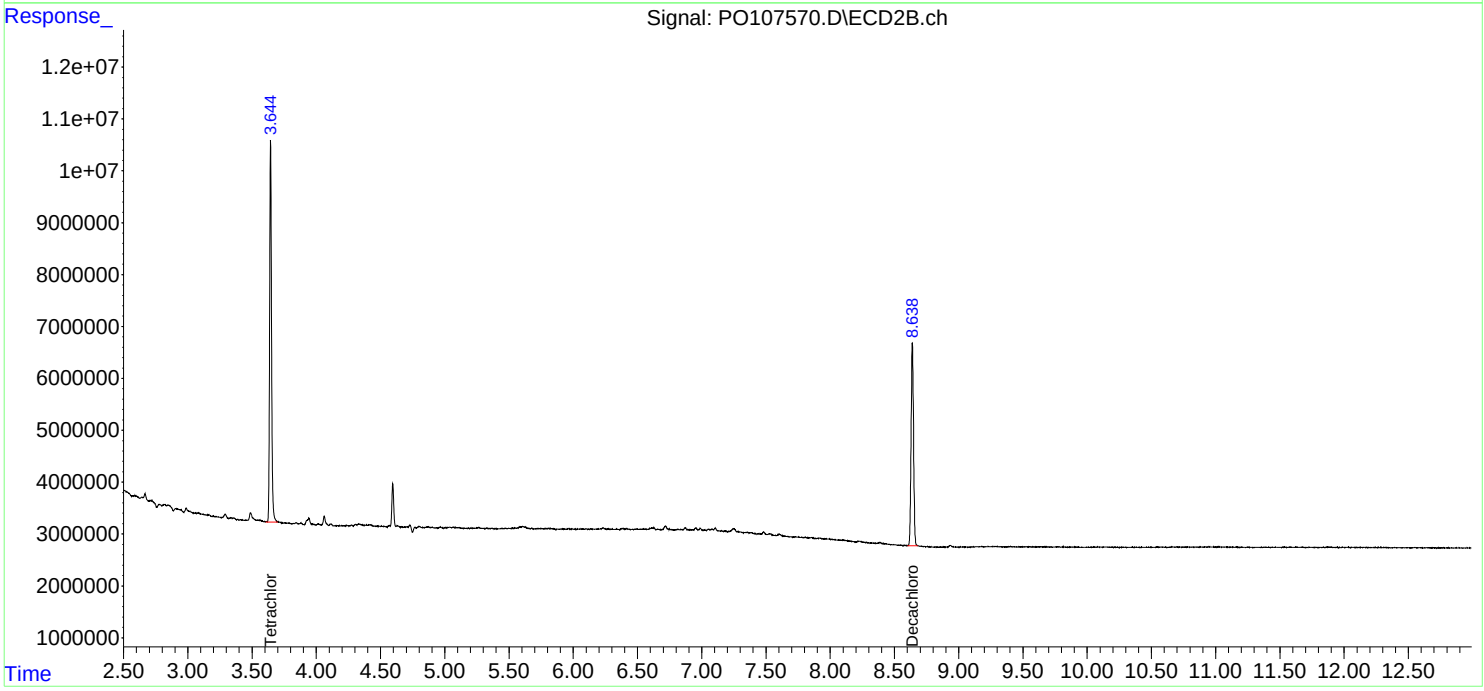
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:48
Operator : YP/AJ
Sample : P4620-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

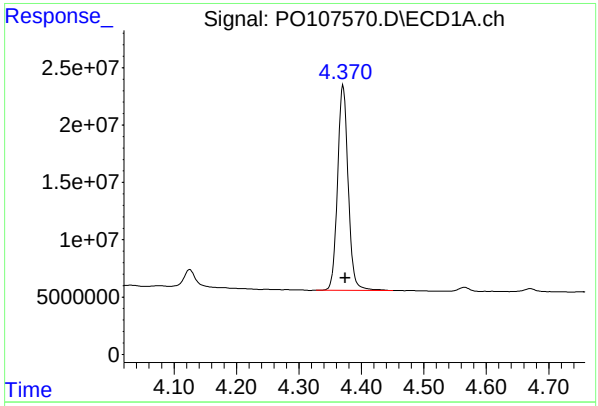
Instrument :
ECD_O
ClientSampleId :
P001-CF14-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



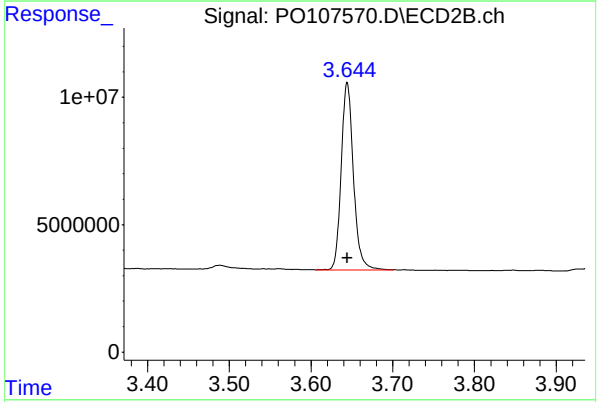




#1 Tetrachloro-m-xylene

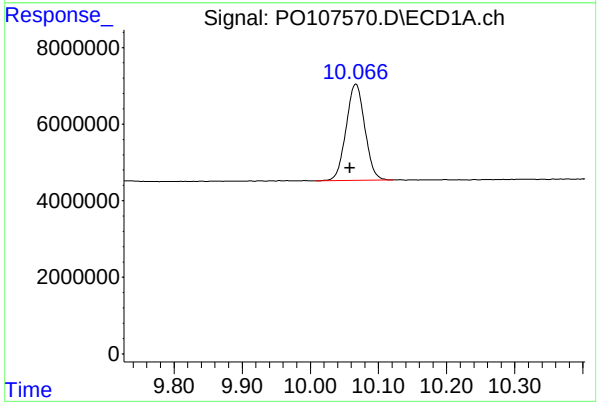
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 211574114
Conc: 23.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF14-01



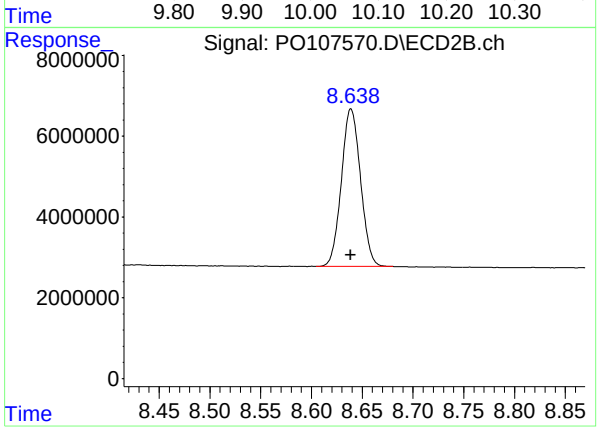
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 76274362
Conc: 23.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.067 min
Delta R.T.: 0.009 min
Response: 47923935
Conc: 19.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 51249475
Conc: 18.69 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF15-01	SDG No.:	P4620
Lab Sample ID:	P4620-20	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107571.D	1	10/31/24 10:30	10/31/24 19:04	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		10 - 157	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		10 - 173	86%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:04
Operator : YP/AJ
Sample : P4620-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF15-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.371	3.644	181.3E6	68984280	19.887	21.434
2)	SA Decachlor...	10.068	8.640	42150382	45148353	17.181	16.468
	Target Compounds						

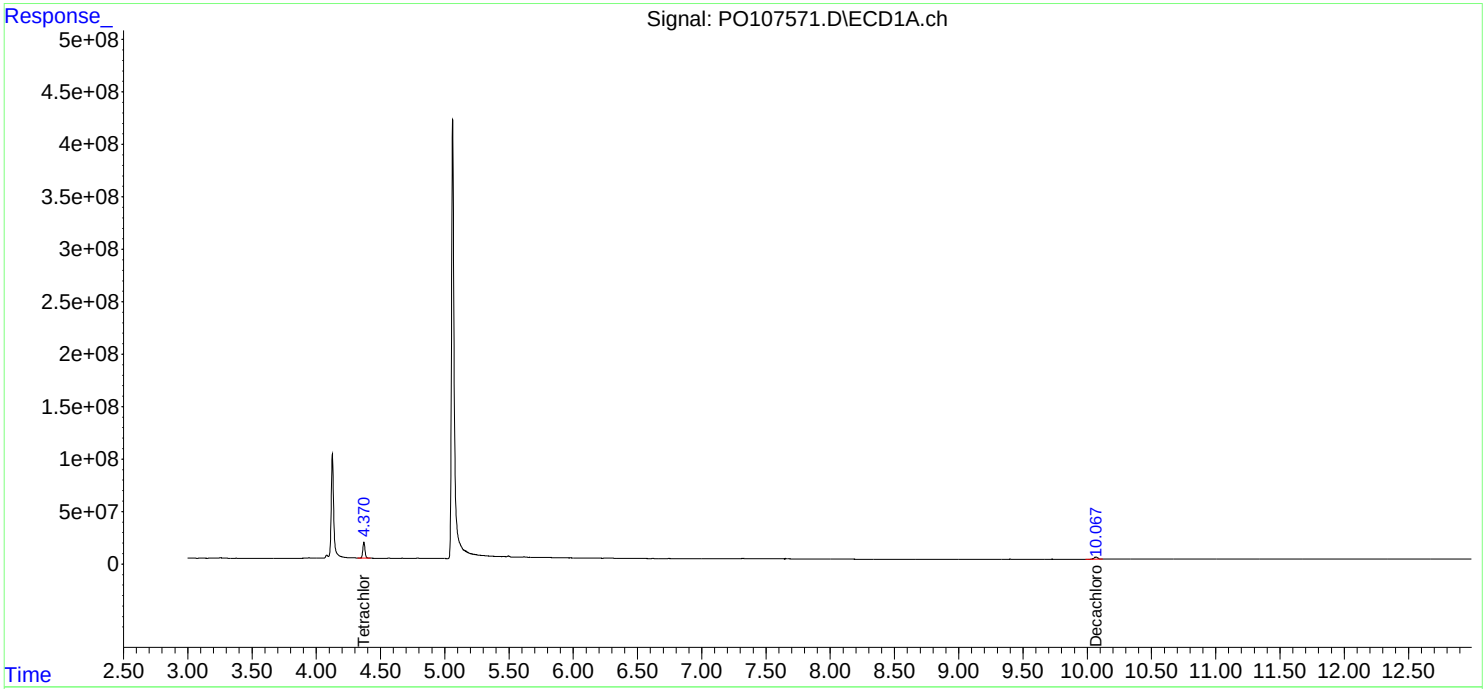
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

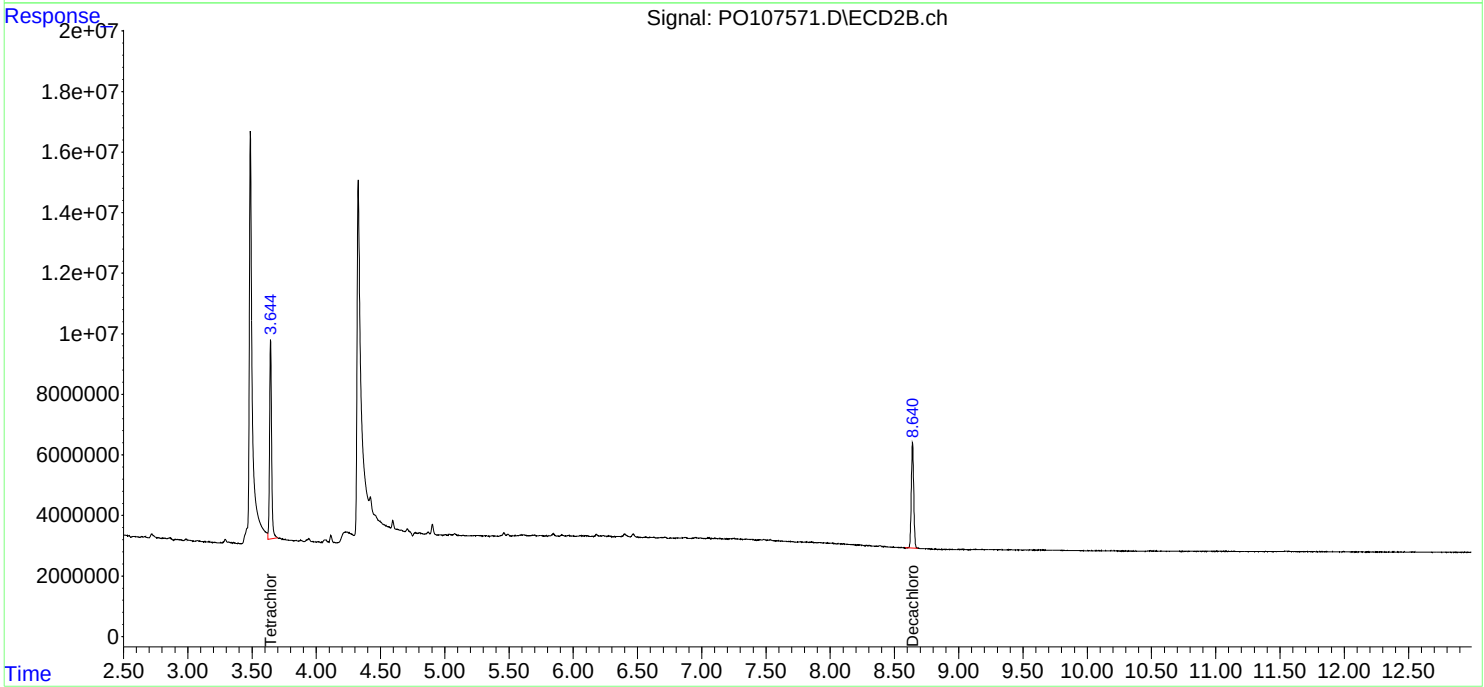
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:04
Operator : YP/AJ
Sample : P4620-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

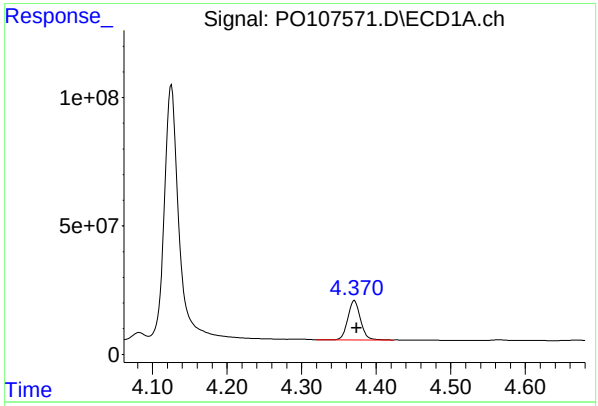
Instrument :
ECD_O
ClientSampleId :
P001-CF15-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



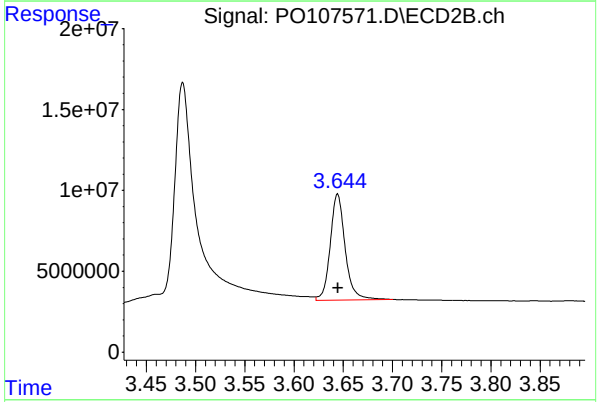




#1 Tetrachloro-m-xylene

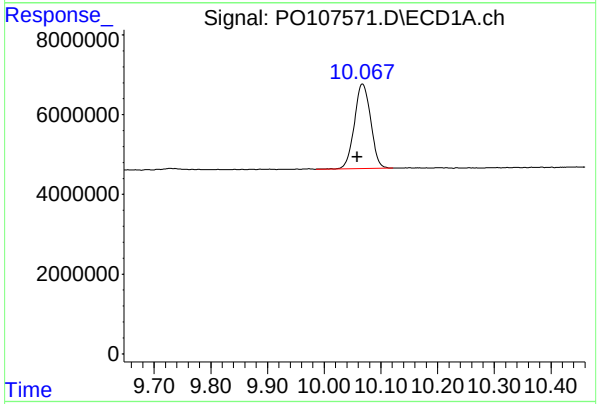
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 181251964
Conc: 19.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF15-01



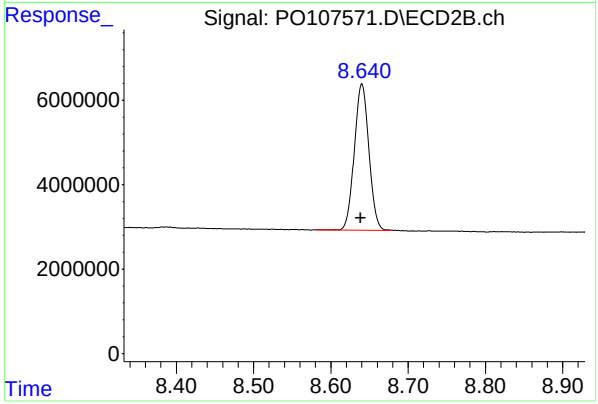
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 68984280
Conc: 21.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 42150382
Conc: 17.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.001 min
Response: 45148353
Conc: 16.47 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF16-01	SDG No.:	P4620
Lab Sample ID:	P4620-25	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107572.D	1	10/31/24 10:30	10/31/24 19:20	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		10 - 157	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		10 - 173	88%	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\PO103124\
Data File : PO107572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:20
Operator : YP/AJ
Sample : P4620-25
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.370	3.644	184.9E6	67137567	20.285m	20.860
2)	SA Decachlor...	10.068	8.640	43214039	46847673	17.614	17.088
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:20
Operator : YP/AJ
Sample : P4620-25
Misc :
ALS Vial : 20 Sample Multiplier: 1

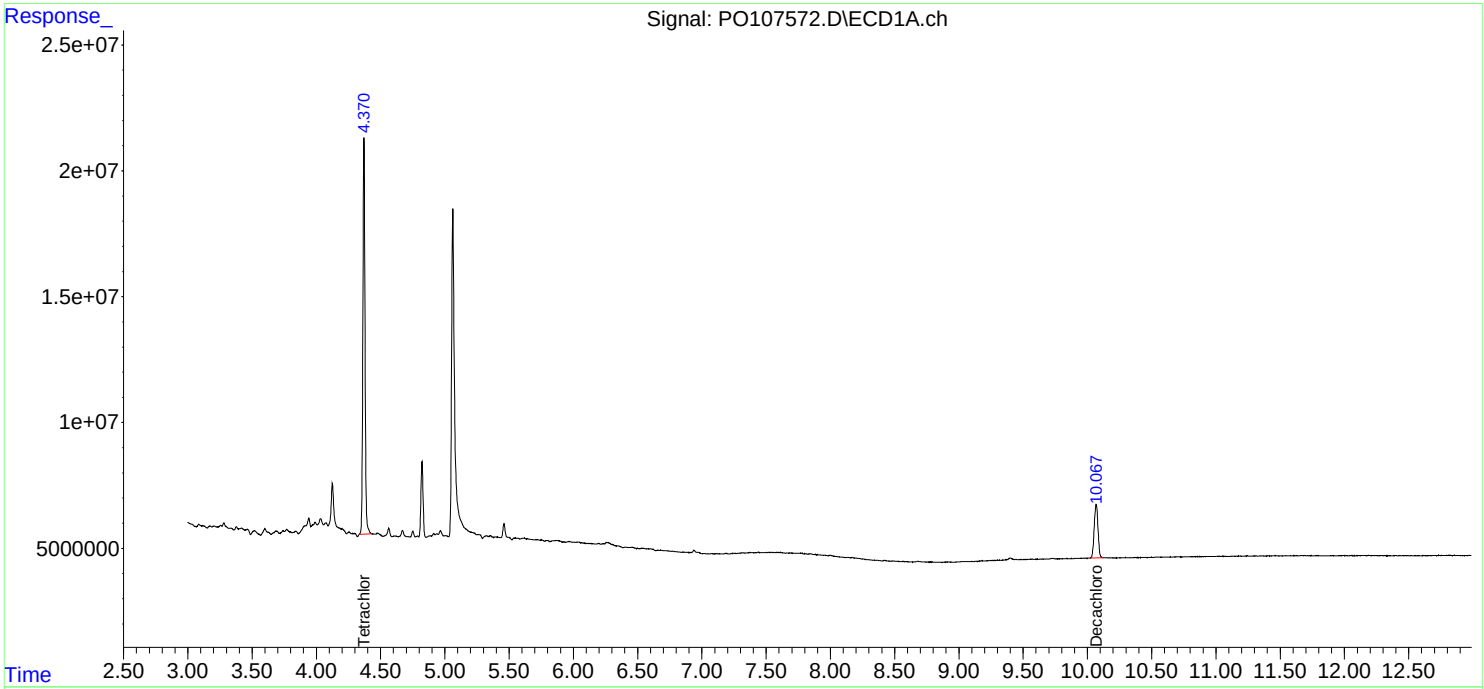
Instrument :
ECD_O
ClientSampleId :
P001-CF16-01

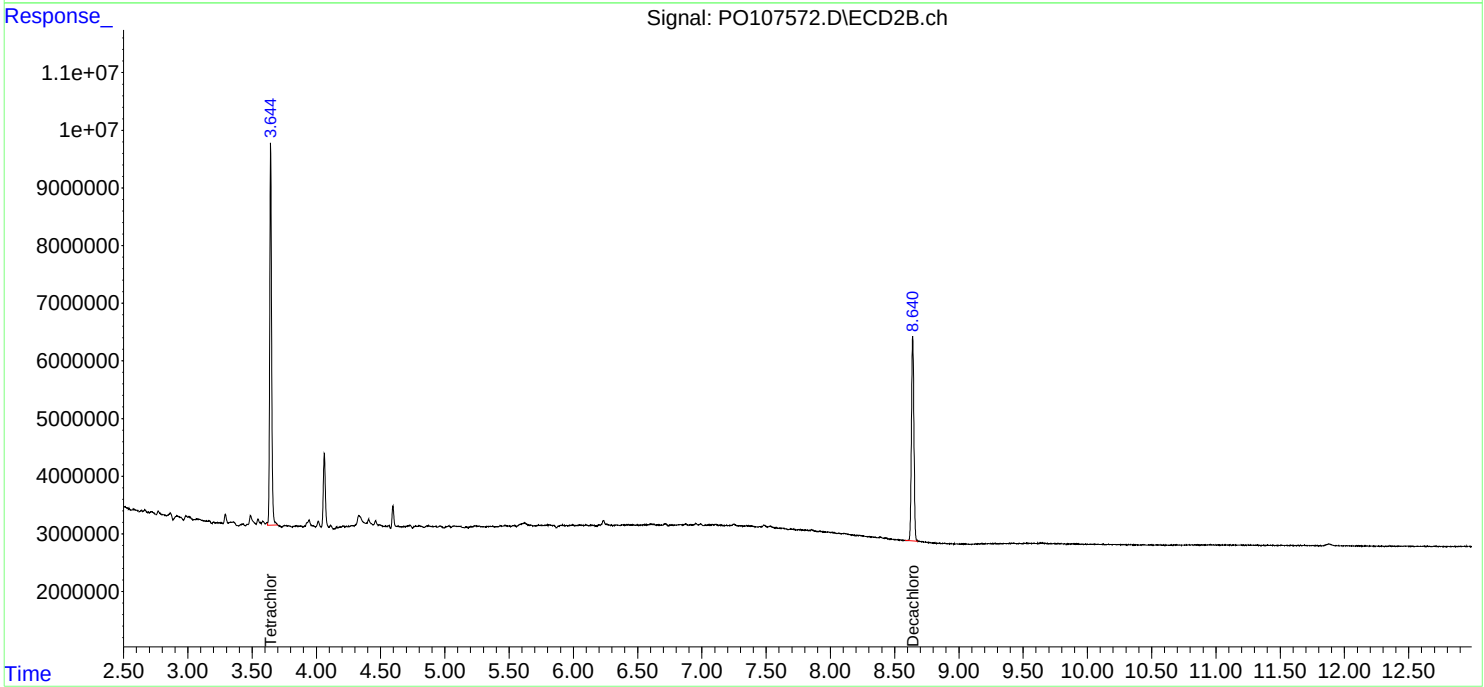
Manual Integrations APPROVED

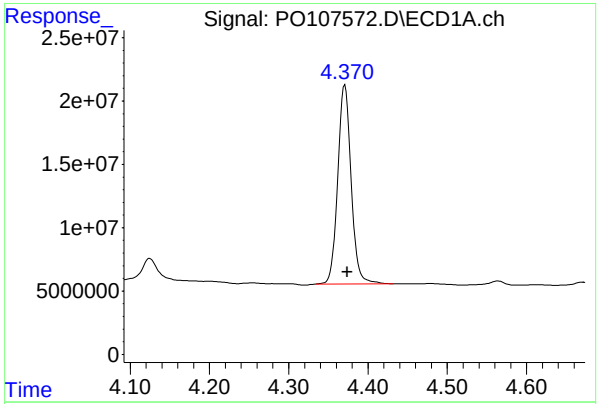
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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







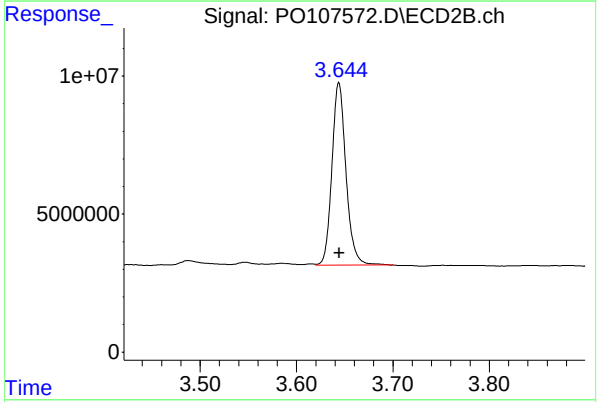
#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 184876424
Conc: 20.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01

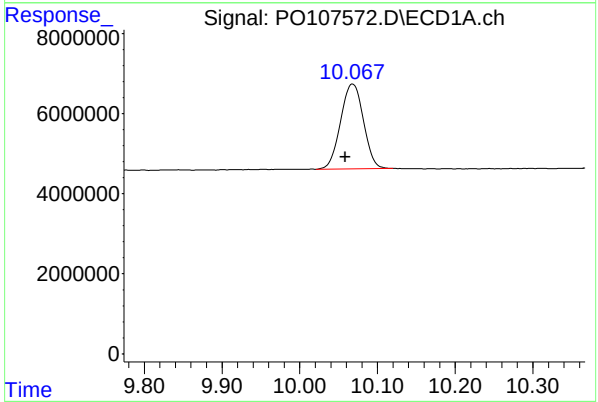
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



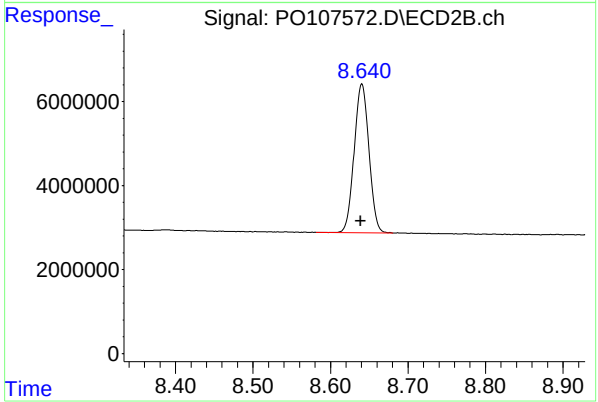
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 67137567
Conc: 20.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.010 min
Response: 43214039
Conc: 17.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.002 min
Response: 46847673
Conc: 17.09 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF16-02	SDG No.:	P4620
Lab Sample ID:	P4620-30	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107575.D	1	10/31/24 10:30	10/31/24 20:09	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		10 - 157	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		10 - 173	93%	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\PO103124\
Data File : PO107575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:09
Operator : YP/AJ
Sample : P4620-30
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF16-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.371	3.644	194.1E6	69883512	21.302	21.713
2)	SA Decachlor...	10.069	8.639	45478668	50521925	18.537	18.428
	Target Compounds						

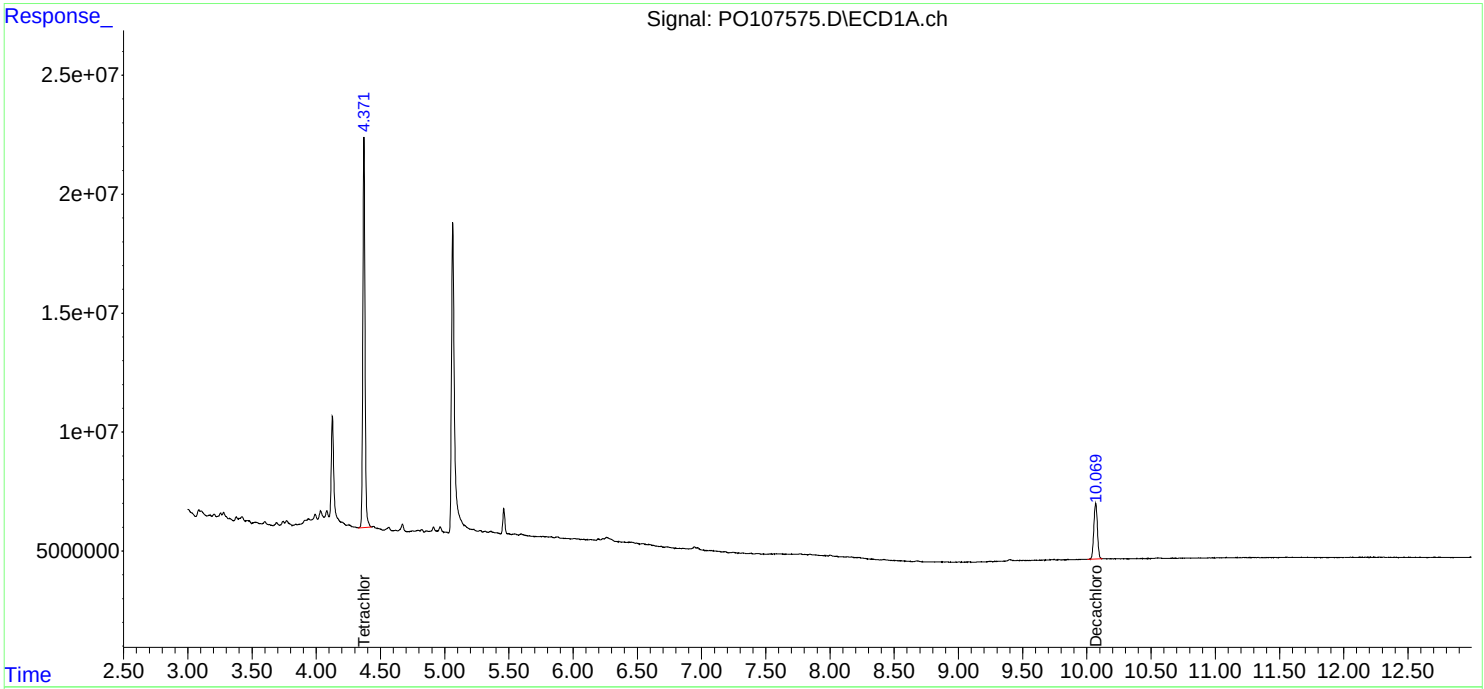
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

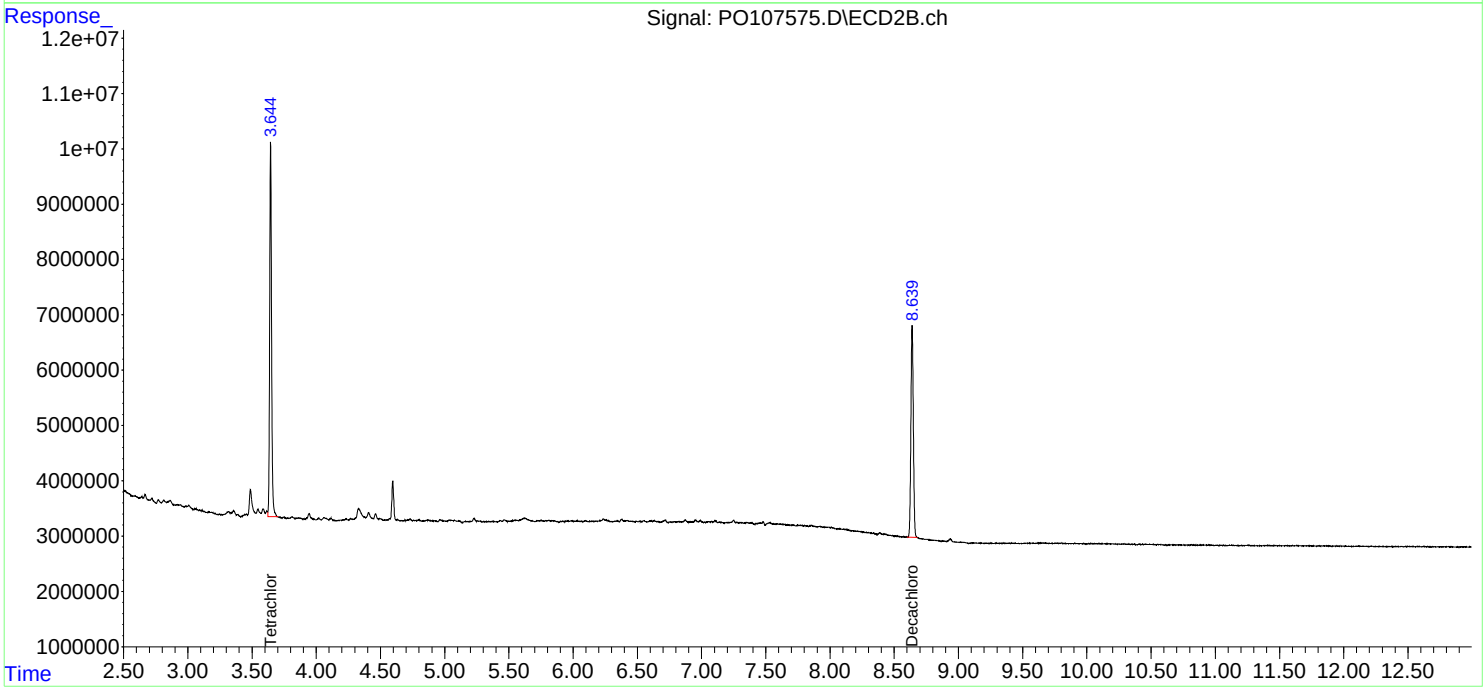
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:09
Operator : YP/AJ
Sample : P4620-30
Misc :
ALS Vial : 23 Sample Multiplier: 1

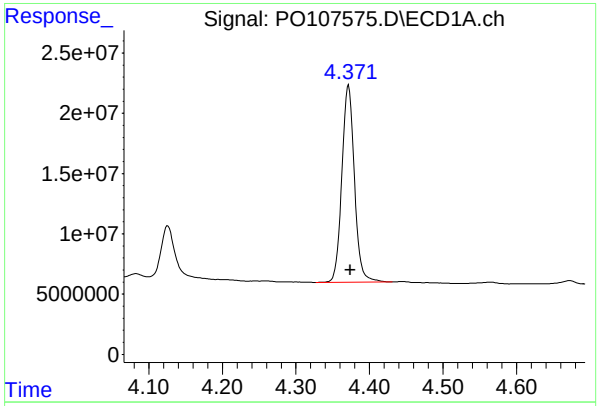
Instrument :
ECD_O
ClientSampleId :
P001-CF16-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



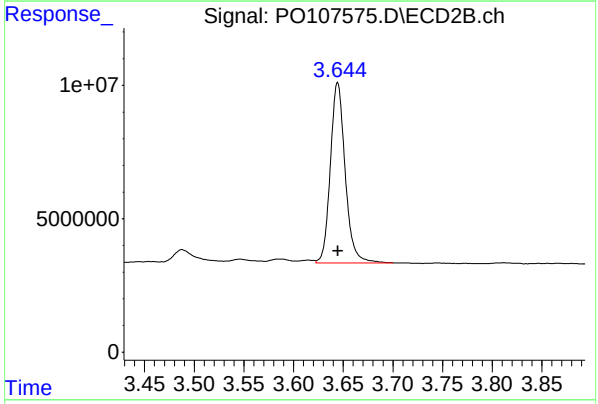




#1 Tetrachloro-m-xylene

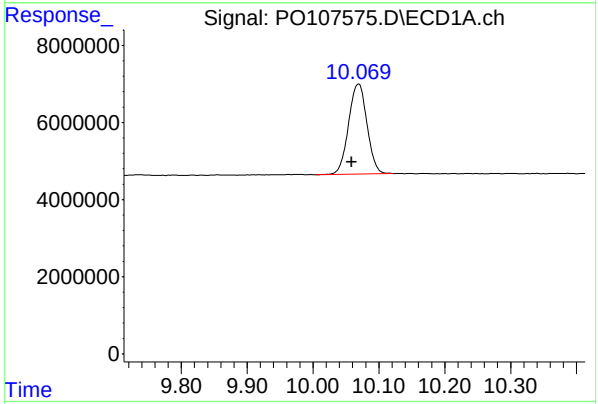
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 194147361
Conc: 21.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-02



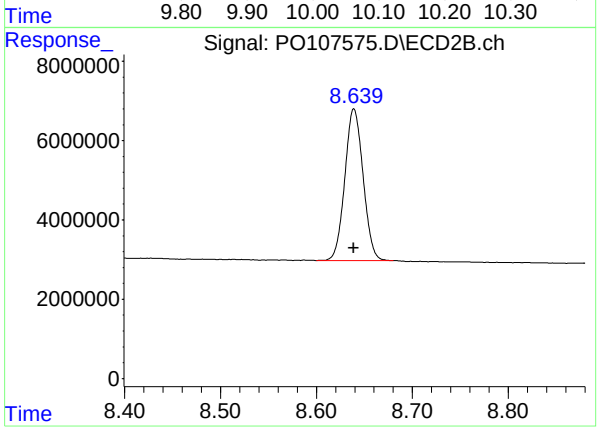
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 69883512
Conc: 21.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.069 min
Delta R.T.: 0.011 min
Response: 45478668
Conc: 18.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 50521925
Conc: 18.43 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 872	Date Received:	10/31/24
Client Sample ID:	PB164566TB	SDG No.:	P4620
Lab Sample ID:	PB164566TB	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068325.D	1	10/31/24 10:30	10/31/24 16:11	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		10 - 157	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.3		10 - 173	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:11
Operator : YP\AJ
Sample : PB164566TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164566TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:42:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.762	4.053	19119725	18444022	20.656	18.254
2)	SA Decachlor...	10.677	9.210	25716616	23565551	22.337	21.013
	Target Compounds						

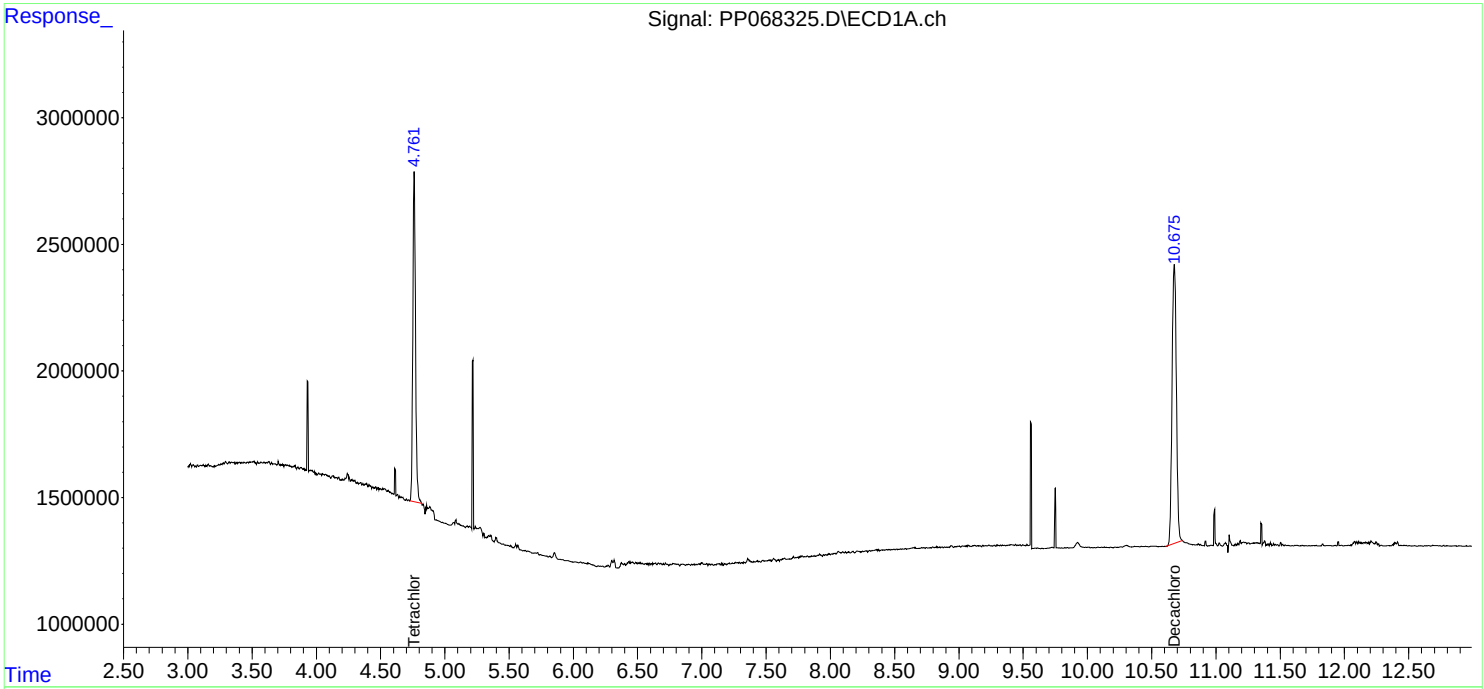
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

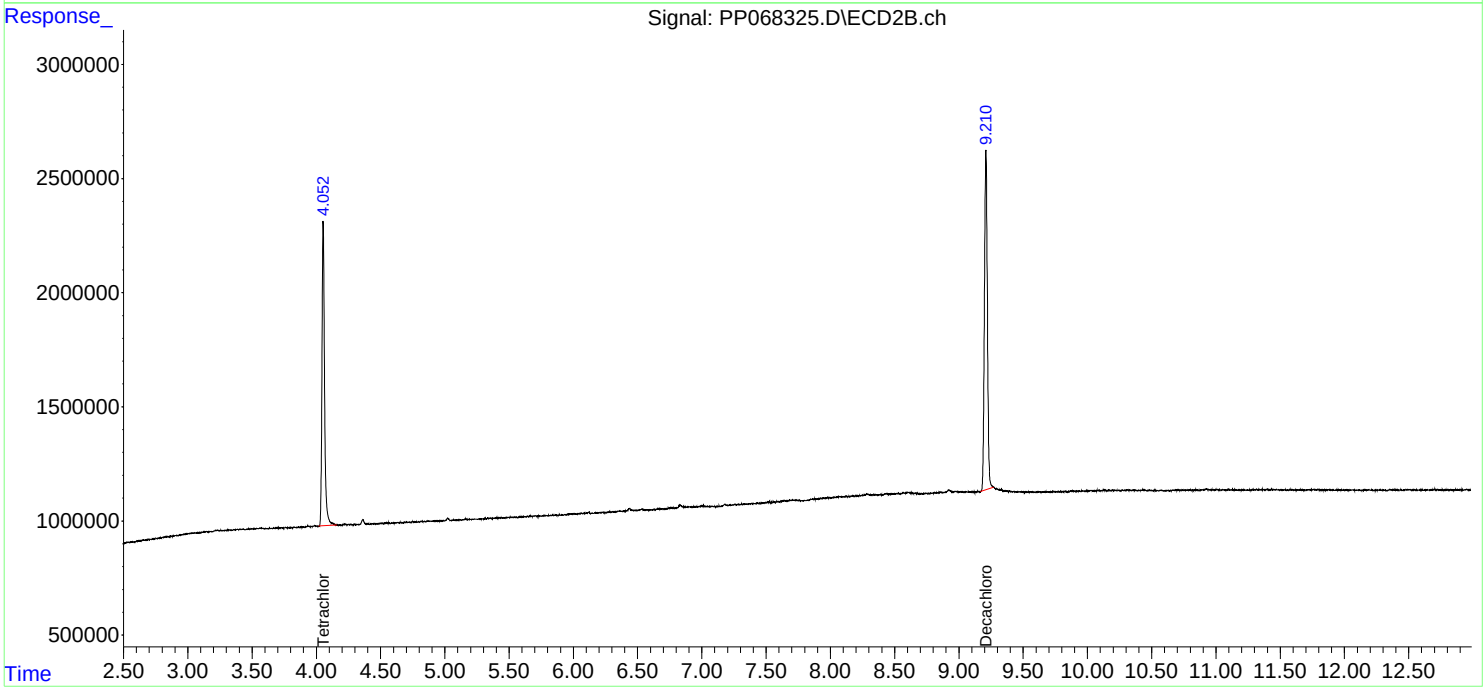
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:11
Operator : YP\AJ
Sample : PB164566TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

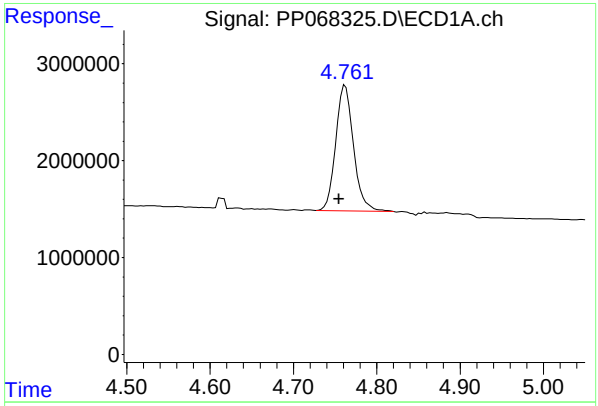
Instrument :
ECD_P
ClientSampleId :
PB164566TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:42:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



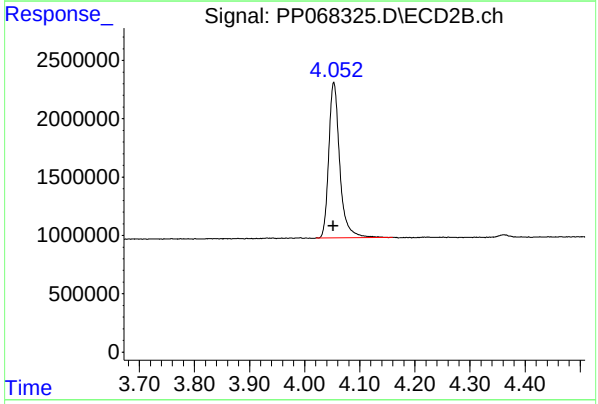




#1 Tetrachloro-m-xylene

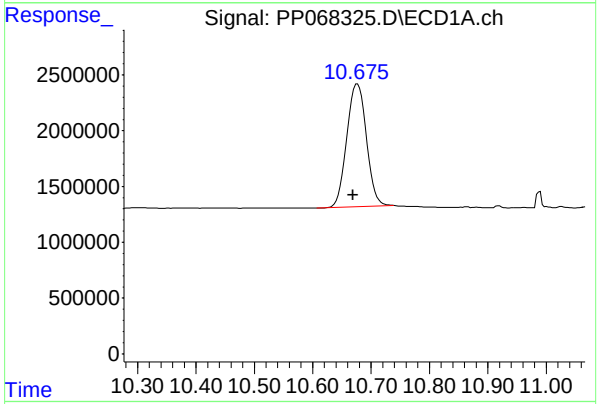
R.T.: 4.762 min
Delta R.T.: 0.007 min
Response: 19119725
Conc: 20.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566TB



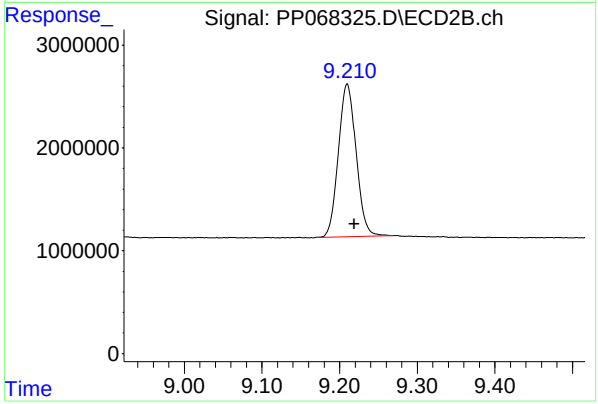
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 18444022
Conc: 18.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 25716616
Conc: 22.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.009 min
Response: 23565551
Conc: 21.01 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1016-2	(2)	5.54	5.55	5.55	5.54	5.54	5.54	5.44	5.64
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-5	(5)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1260-1	(1)	7.12	7.13	7.13	7.12	7.13	7.13	7.03	7.23
Aroclor-1260-2	(2)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1260-3	(3)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1260-4	(4)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1260-5	(5)	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1242-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1242-2	(2)	5.55	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1242-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1242-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1248-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1248-2	(2)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-3	(3)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1248-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.37	6.37	6.38	6.37	6.38	6.37	6.27	6.47
Aroclor-1254-2	(2)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Aroclor-1254-3	(3)	6.96	6.96	6.96	6.96	6.96	6.96	6.86	7.06
Aroclor-1254-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1254-5	(5)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1268-1	(1)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69
Aroclor-1268-2	(2)	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Aroclor-1268-3	(3)	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Aroclor-1268-4	(4)	9.31	9.31	9.31	9.31	9.31	9.31	9.21	9.41
Aroclor-1268-5	(5)	9.72	9.72	9.72	9.72	9.72	9.72	9.62	9.82

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.40	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.65	3.64	3.64	3.64	3.54	3.74
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.00	5.01	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.65	3.64	3.64	3.54	3.74
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.31	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.64	3.64	3.64	3.65	3.64	3.54	3.74
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

CF 500 = PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291	5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925	5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556	6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918	10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545	9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546	6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115	6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141	6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872	6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762	5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474	4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453	3
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625	8
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588	7
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729	8
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516	7
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935	10
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331	3
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140	4
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501	8
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342	9
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156	7
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056	6
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365	7
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631	4
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617	3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328	7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485	6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987	5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994	6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837	5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701	4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498	3
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

CF 500 = PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411	4
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913	3
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259	4
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364	5
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520	4
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540	2
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235	6
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149	4
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088	5
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201	5
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347	4
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544	6
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833	3
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
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: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	890.3E6	331.2E6	95.874	98.894
2)	SA Decachlor...	10.059	8.639	236.3E6	273.1E6	94.643	98.055
	Target Compounds						
3)	L1 AR-1016-1	5.521	4.726	252.1E6	98519363	926.978	960.857
4)	L1 AR-1016-2	5.544	4.745	373.8E6	140.5E6	939.362	973.793
5)	L1 AR-1016-3	5.606	4.921	234.7E6	75819146	914.656	962.184
6)	L1 AR-1016-4	5.703	4.962	185.6E6	61532960	914.559	937.892
7)	L1 AR-1016-5	5.998	5.175	176.3E6	78878086	920.823	944.391
31)	L7 AR-1260-1	7.124	6.207	238.5E6	150.5E6	920.221	969.824
32)	L7 AR-1260-2	7.381	6.393	243.4E6	173.8E6	921.688	943.774
33)	L7 AR-1260-3	7.743	6.547	167.4E6	168.5E6	922.097	978.772
34)	L7 AR-1260-4	7.967	7.018	162.1E6	143.6E6	924.901	976.358
35)	L7 AR-1260-5	8.281	7.258	268.7E6	340.7E6	949.301	1011.703

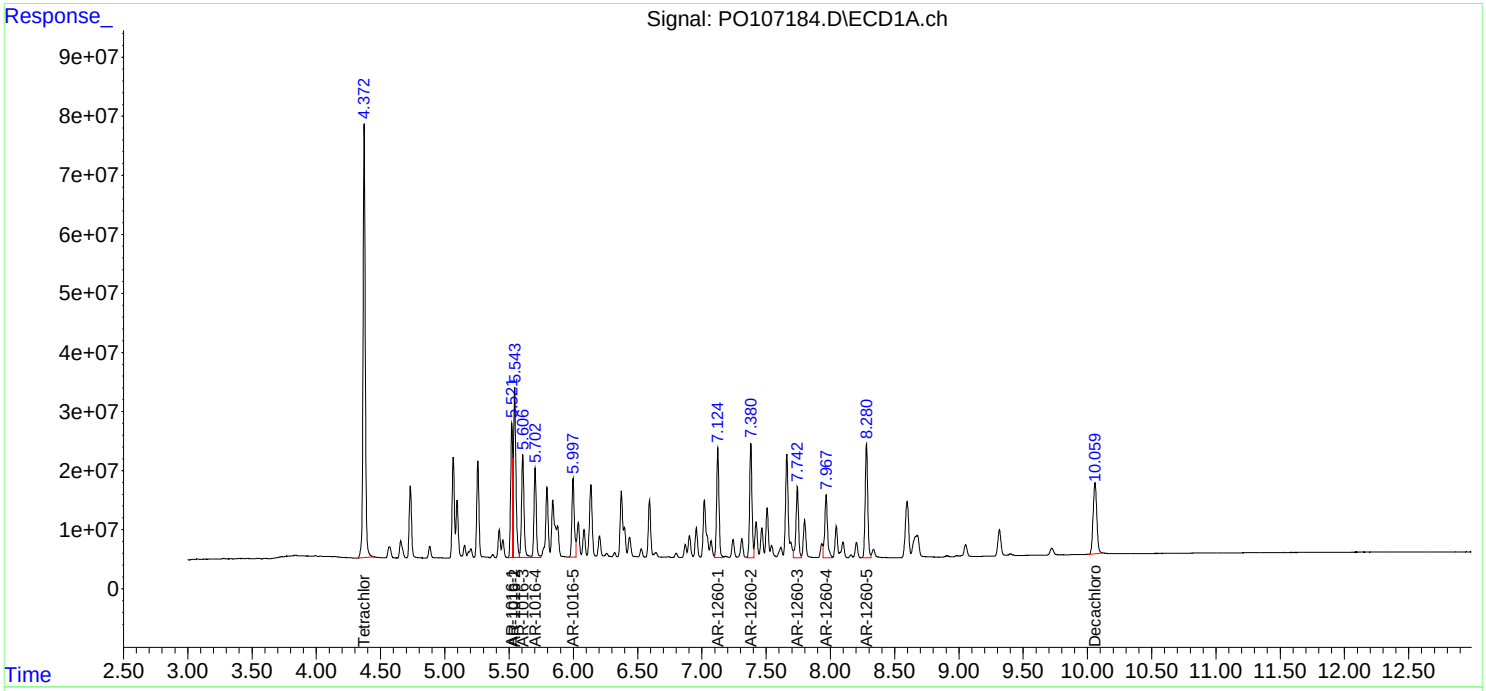
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

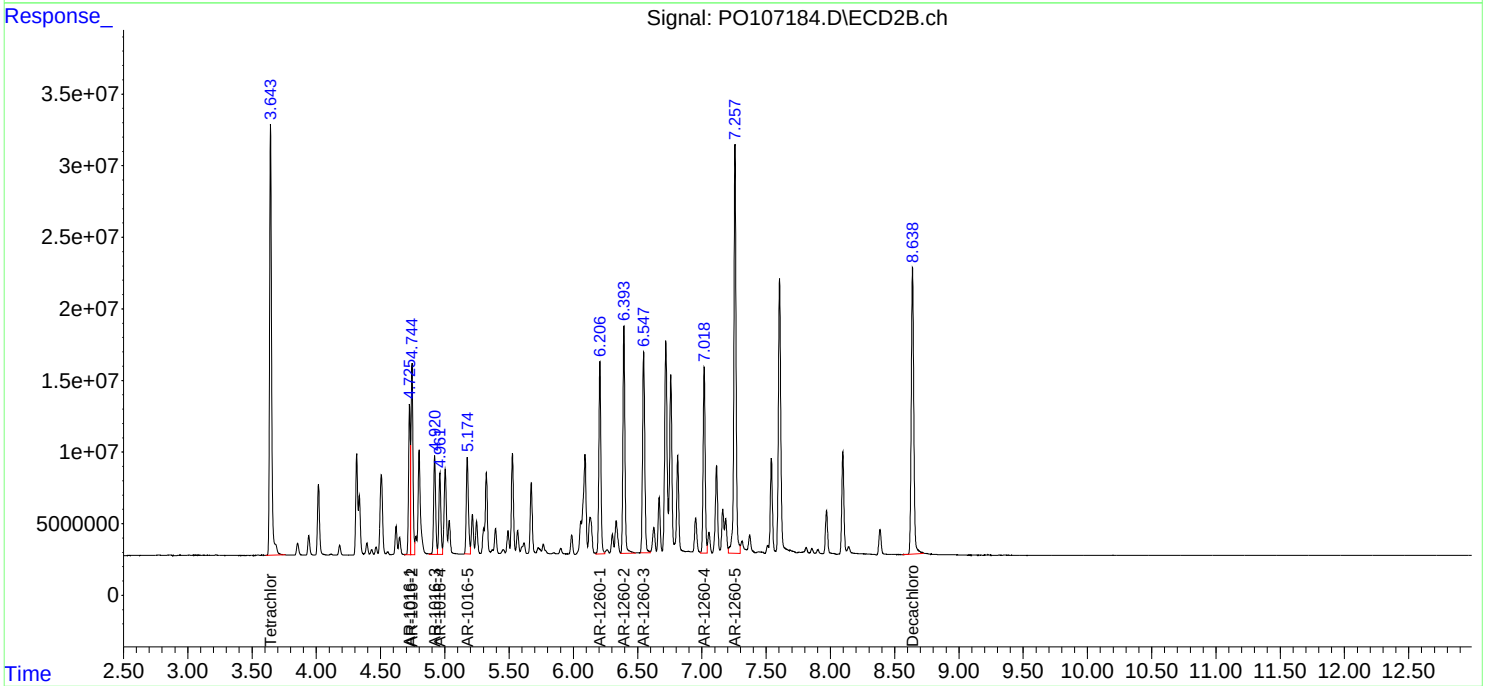
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

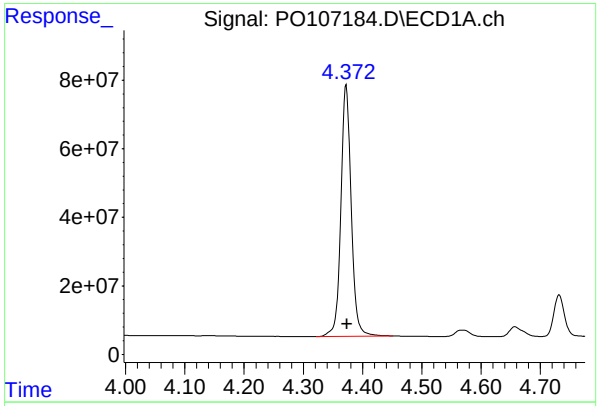
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



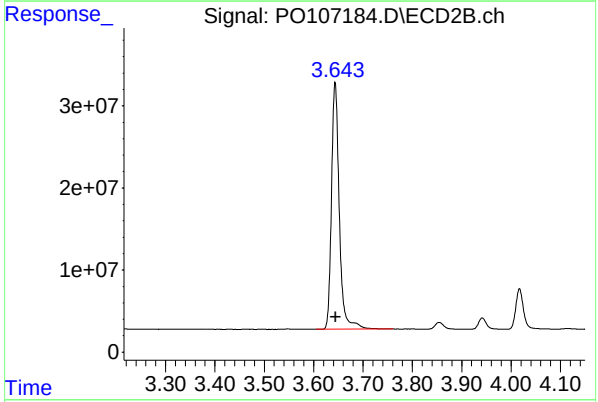




#1 Tetrachloro-m-xylene

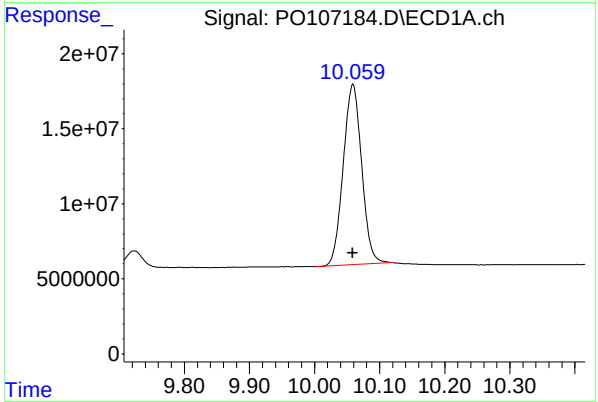
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 890265643
Conc: 95.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



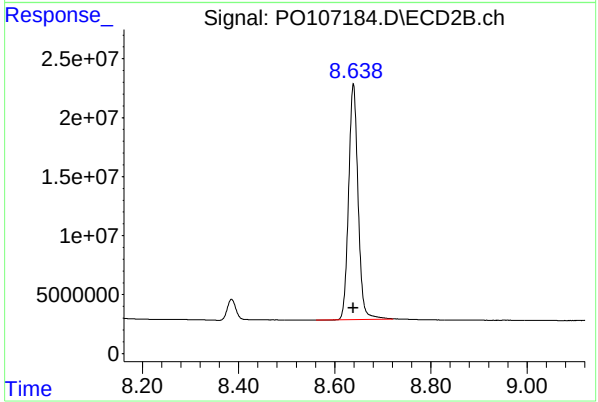
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 331201448
Conc: 98.89 ng/ml



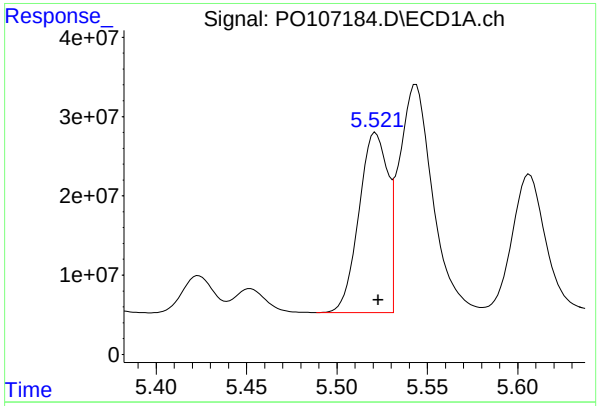
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 236275021
Conc: 94.64 ng/ml



#2 Decachlorobiphenyl

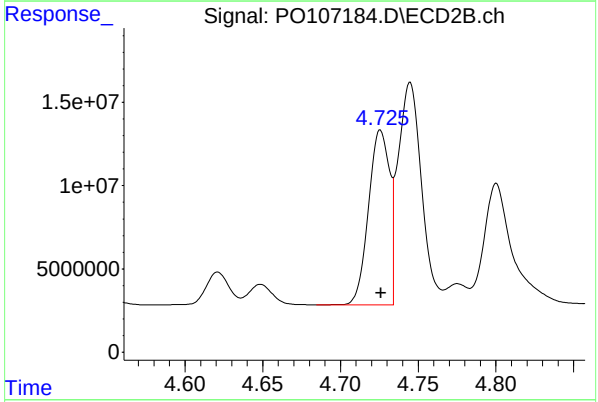
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 273062267
Conc: 98.05 ng/ml



#3 AR-1016-1

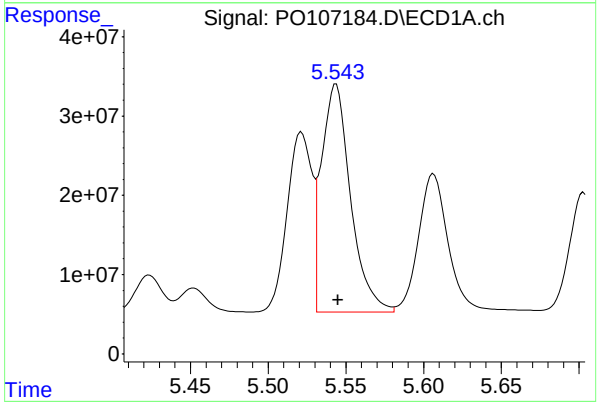
R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 252081604
Conc: 926.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



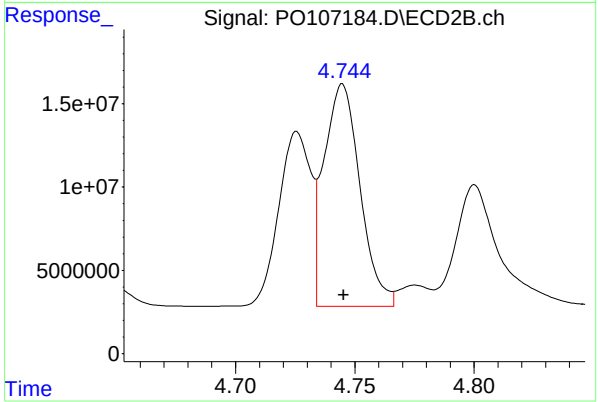
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98519363
Conc: 960.86 ng/ml



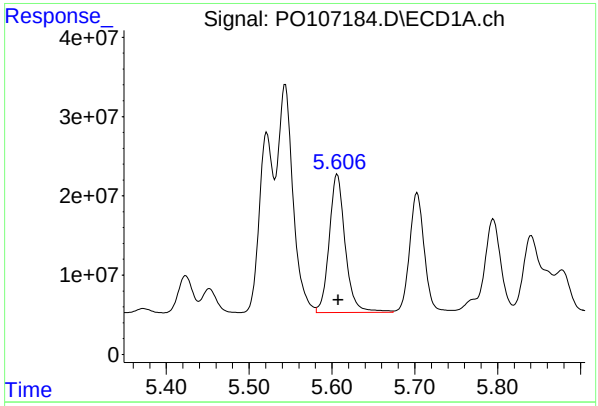
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 373760062
Conc: 939.36 ng/ml



#4 AR-1016-2

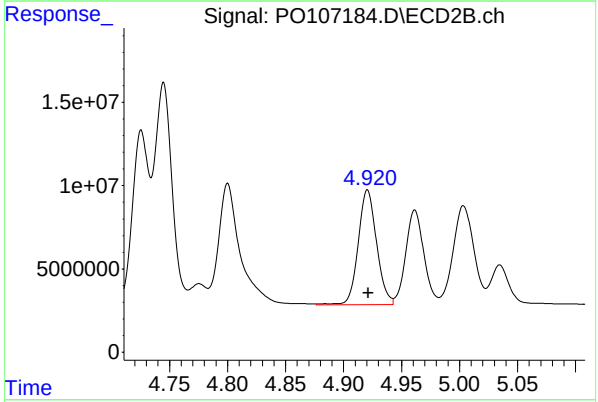
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 140533795
Conc: 973.79 ng/ml



#5 AR-1016-3

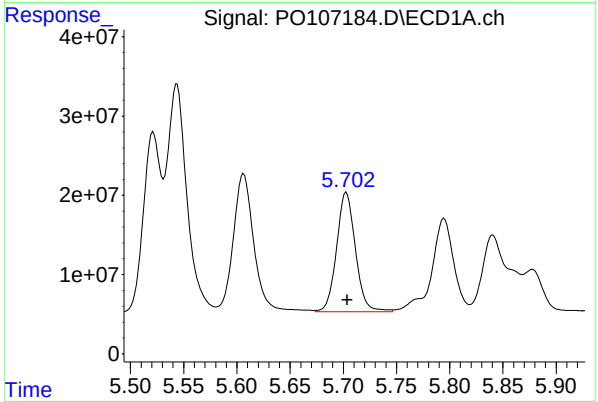
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 234678633
Conc: 914.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



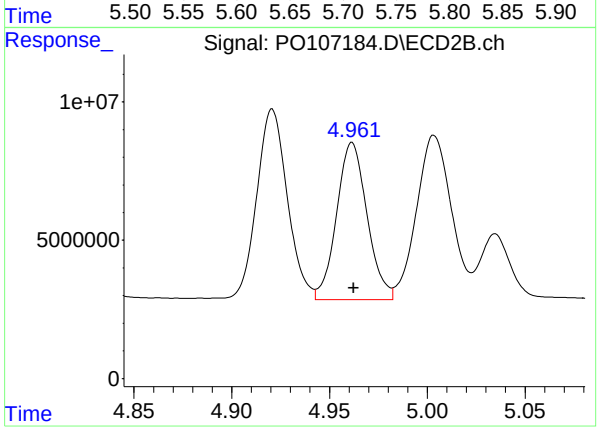
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 75819146
Conc: 962.18 ng/ml



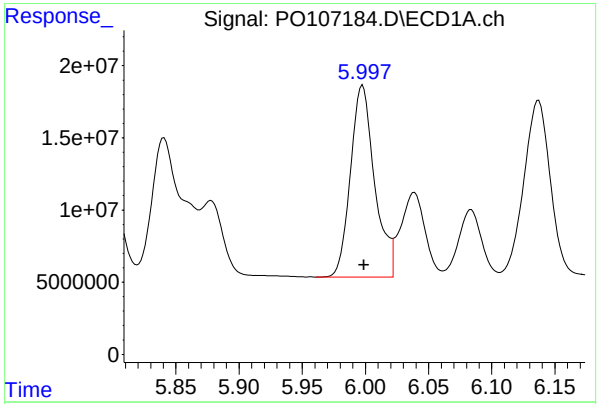
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 185622493
Conc: 914.56 ng/ml



#6 AR-1016-4

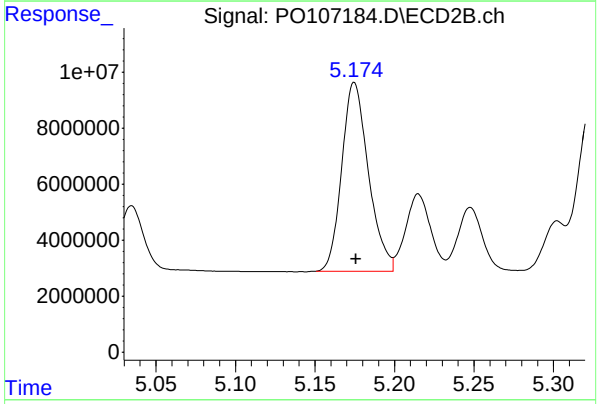
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 61532960
Conc: 937.89 ng/ml



#7 AR-1016-5

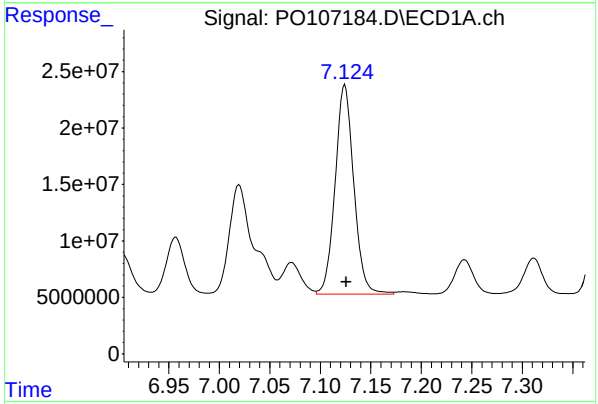
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 176326470
Conc: 920.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



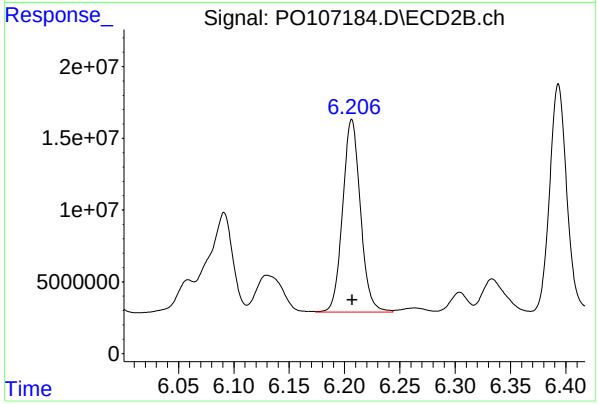
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 78878086
Conc: 944.39 ng/ml



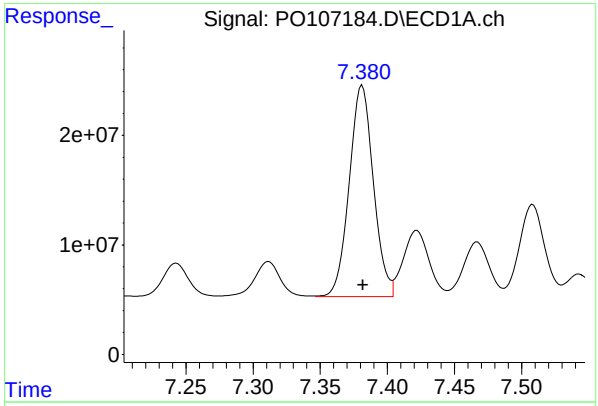
#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.001 min
Response: 238480871
Conc: 920.22 ng/ml



#31 AR-1260-1

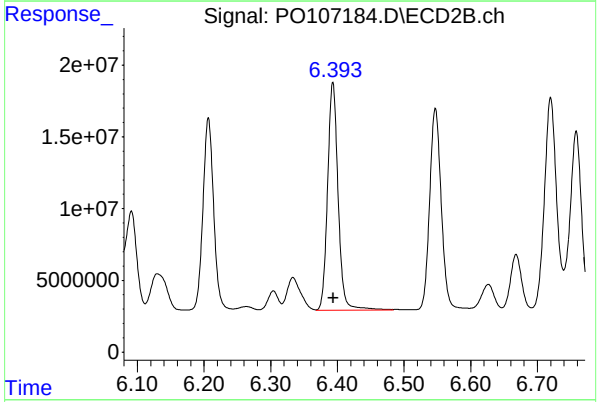
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 150450531
Conc: 969.82 ng/ml



#32 AR-1260-2

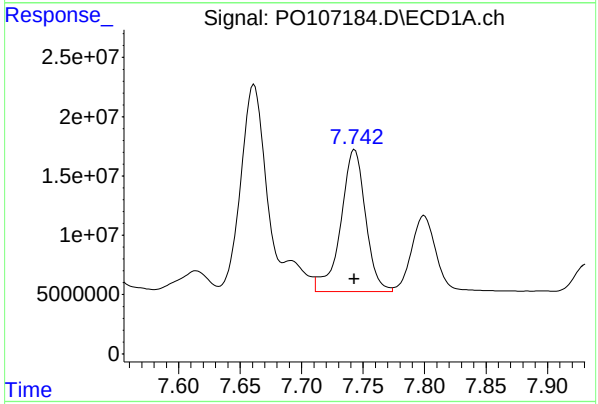
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 243402558
Conc: 921.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



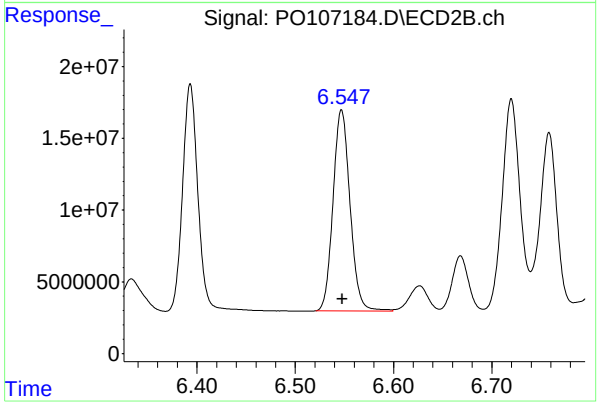
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 173752920
Conc: 943.77 ng/ml



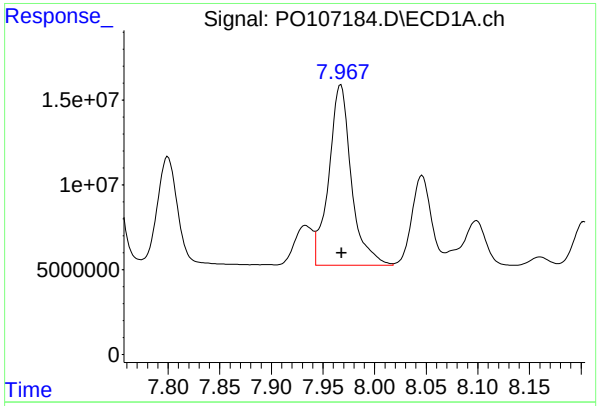
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 167353086
Conc: 922.10 ng/ml



#33 AR-1260-3

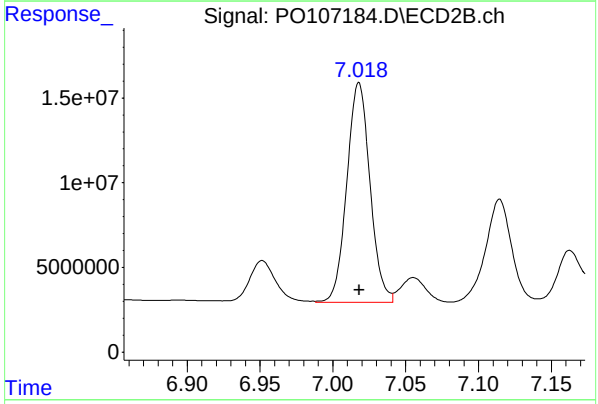
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 168454604
Conc: 978.77 ng/ml



#34 AR-1260-4

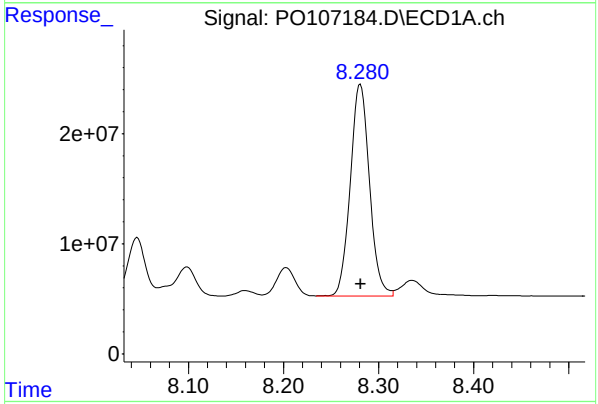
R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 162125557
Conc: 924.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



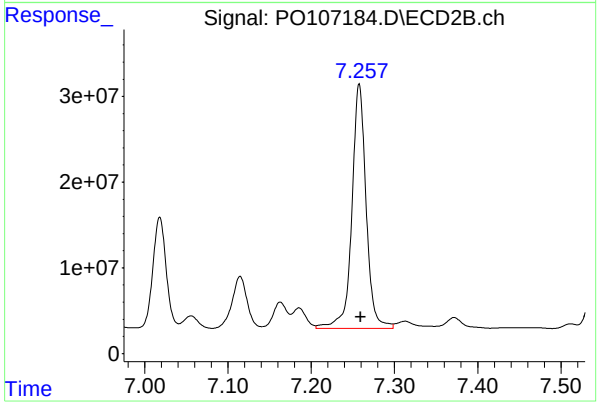
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 143637024
Conc: 976.36 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 268686175
Conc: 949.30 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 340738400
Conc: 1011.70 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
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: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.374	3.644	681.6E6	250.4E6	73.401	74.763
2)	SA Decachlor...	10.059	8.639	182.0E6	205.9E6	72.917	73.948
	Target Compounds						
3)	L1 AR-1016-1	5.523	4.726	196.3E6	74951057	721.769	730.996
4)	L1 AR-1016-2	5.545	4.745	287.3E6	107.1E6	721.992	741.869
5)	L1 AR-1016-3	5.607	4.921	183.1E6	57833586	713.664	733.938
6)	L1 AR-1016-4	5.704	4.962	145.4E6	47559823	716.317	724.912
7)	L1 AR-1016-5	5.999	5.176	136.6E6	60728146	713.395	727.086
31)	L7 AR-1260-1	7.125	6.207	184.9E6	114.0E6	713.367	735.005
32)	L7 AR-1260-2	7.382	6.394	188.8E6	136.1E6	714.965	739.499
33)	L7 AR-1260-3	7.743	6.548	128.7E6	127.7E6	708.958	742.087
34)	L7 AR-1260-4	7.968	7.018	125.2E6	108.7E6	714.531	738.682
35)	L7 AR-1260-5	8.281	7.258	205.2E6	254.8E6	725.060	756.650

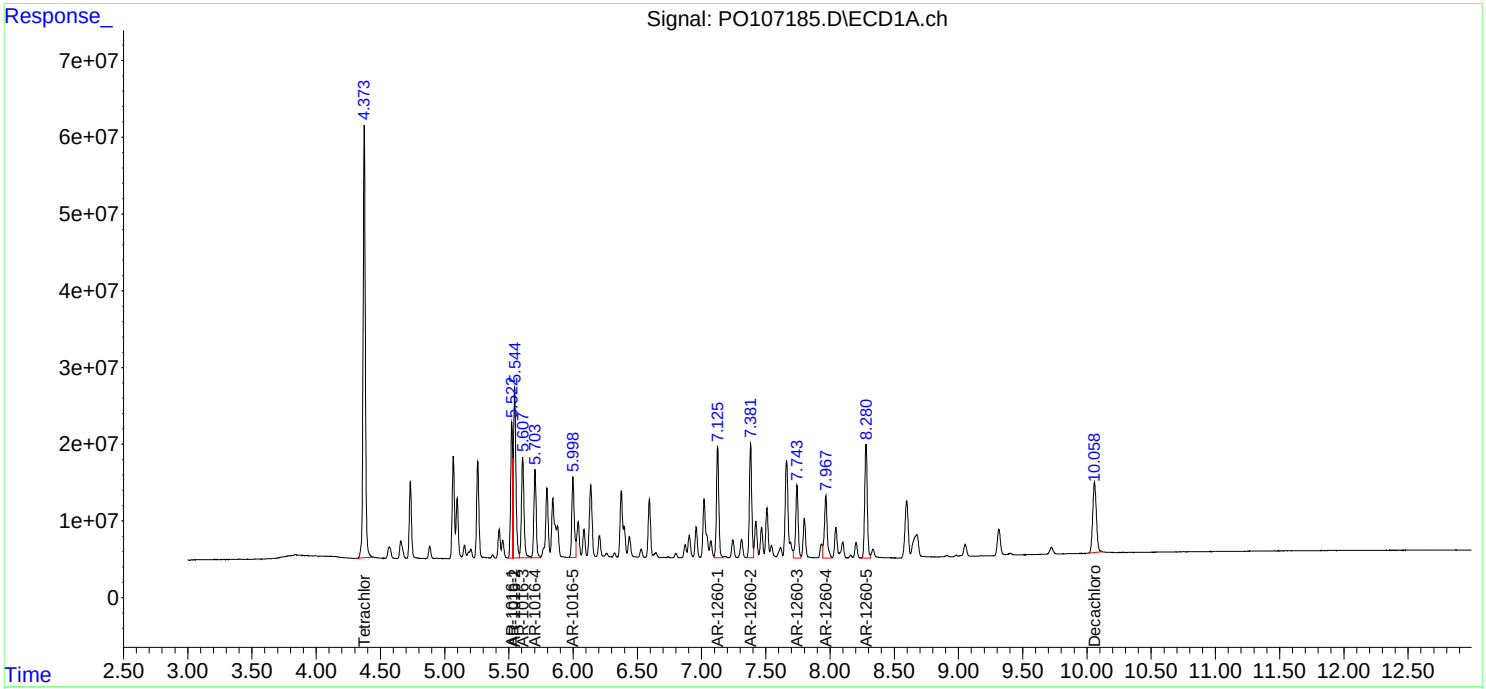
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

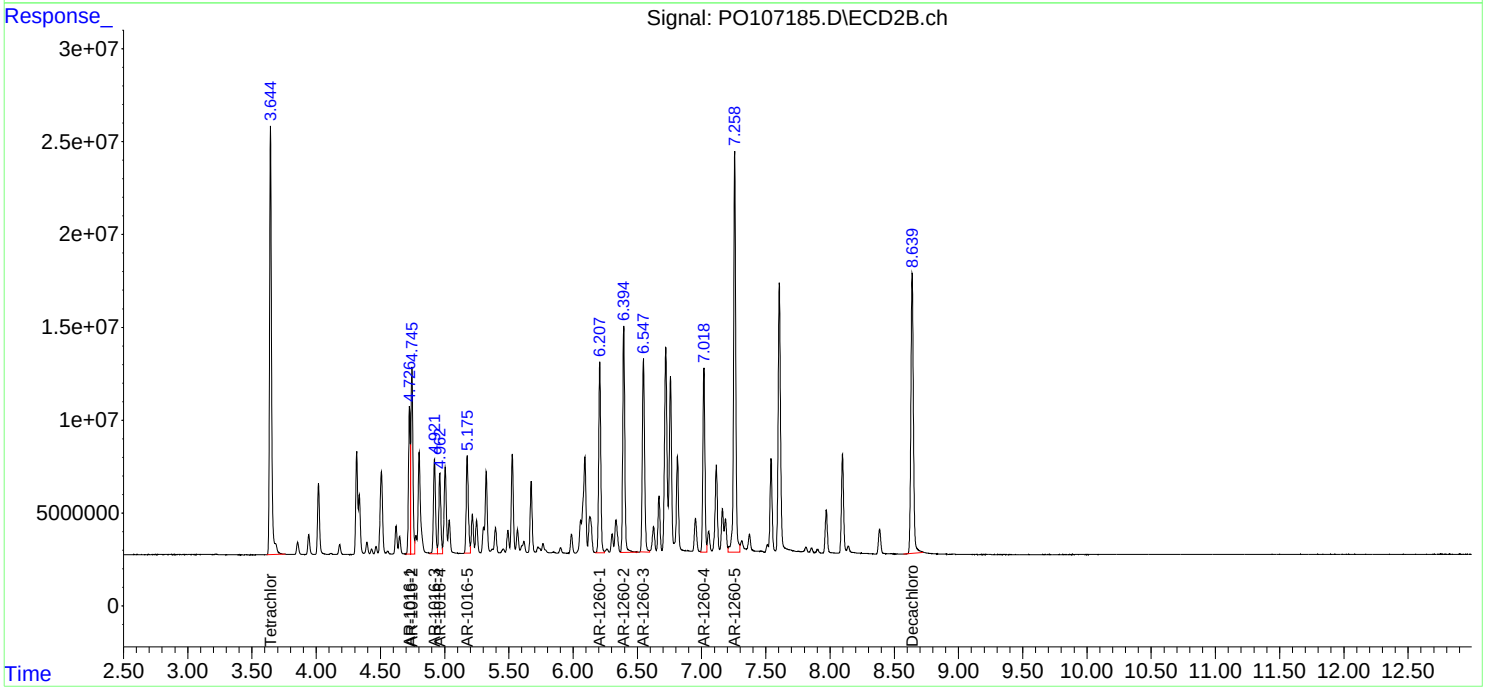
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

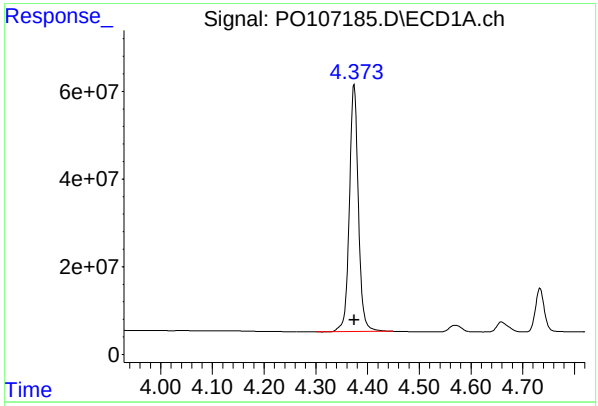
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



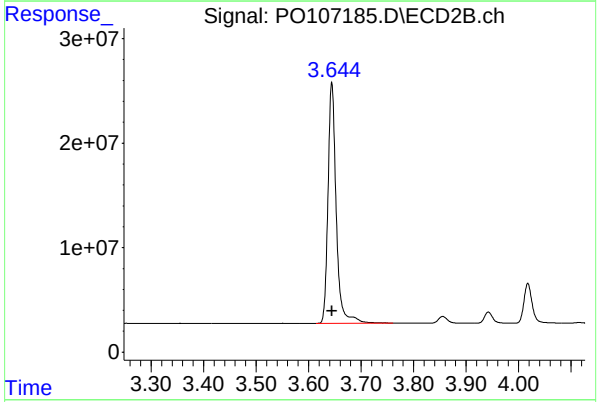




#1 Tetrachloro-m-xylene

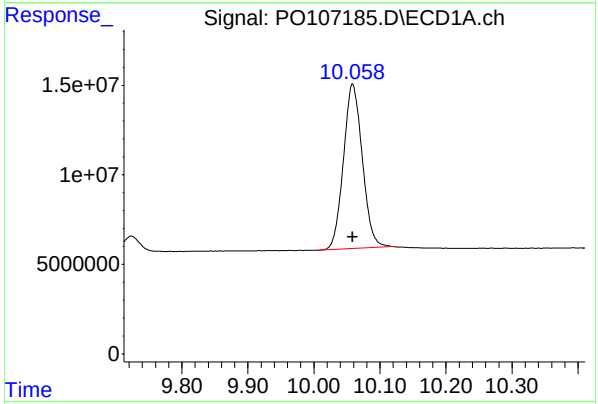
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 681585697
Conc: 73.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



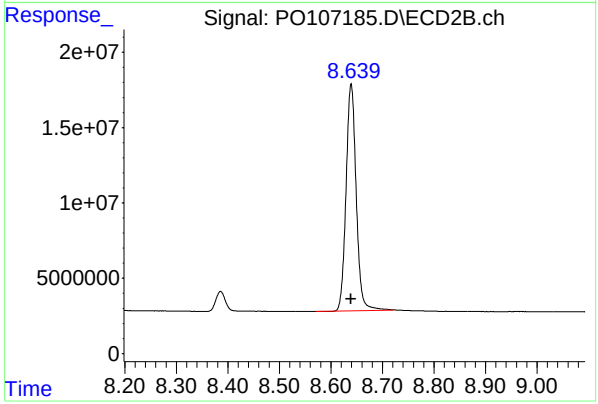
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 250385446
Conc: 74.76 ng/ml



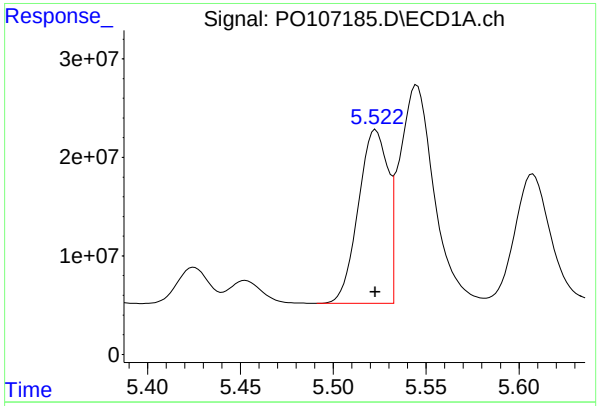
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 182035419
Conc: 72.92 ng/ml



#2 Decachlorobiphenyl

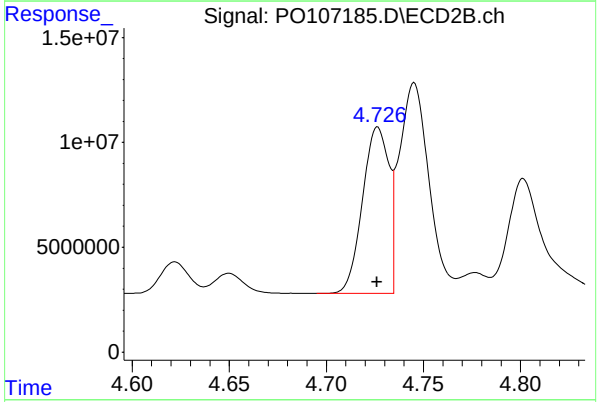
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 205929949
Conc: 73.95 ng/ml



#3 AR-1016-1

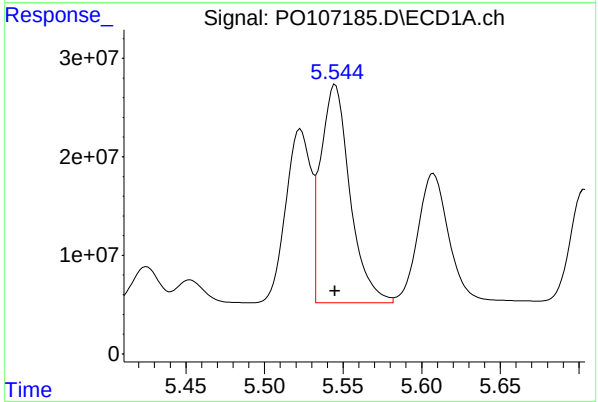
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 196277150
Conc: 721.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



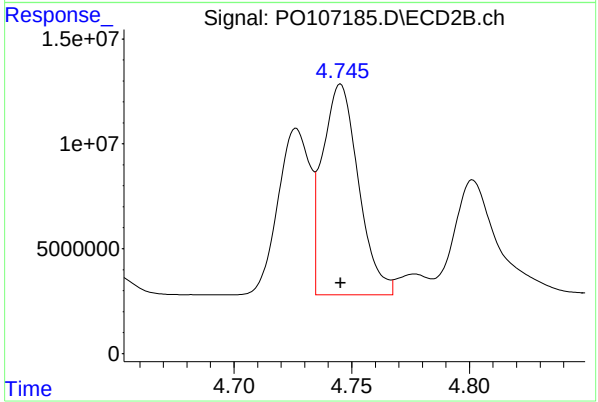
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 74951057
Conc: 731.00 ng/ml



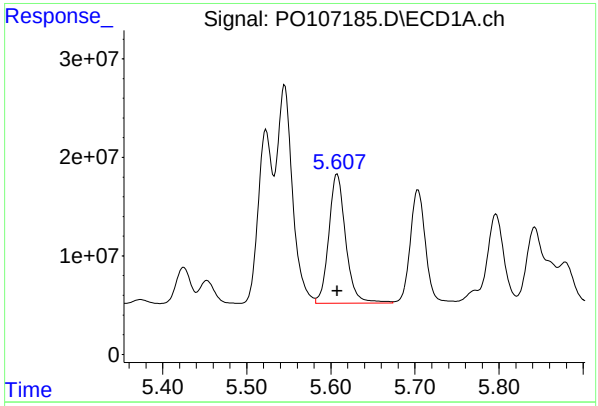
#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 287271437
Conc: 721.99 ng/ml



#4 AR-1016-2

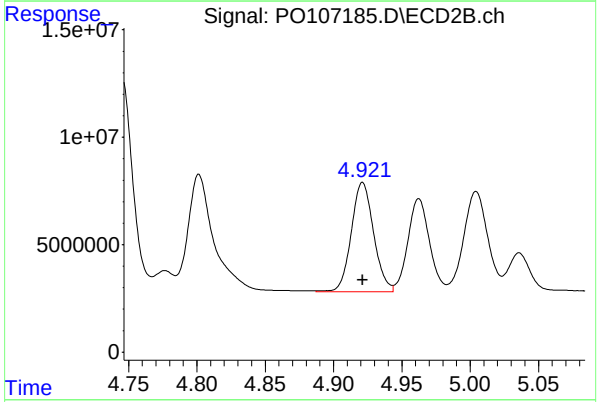
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 107063566
Conc: 741.87 ng/ml



#5 AR-1016-3

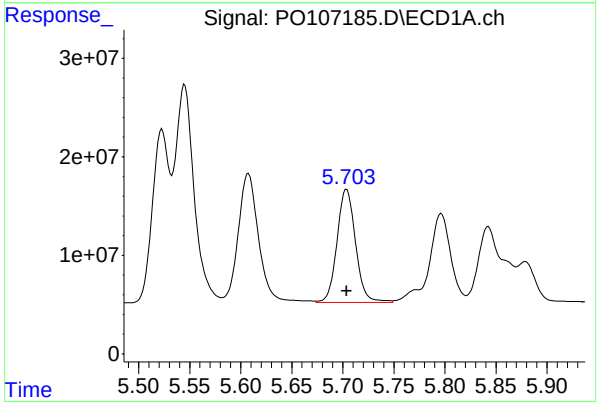
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 183108937
Conc: 713.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



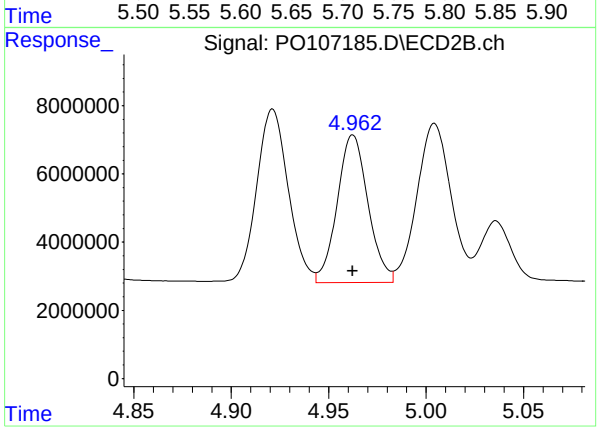
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 57833586
Conc: 733.94 ng/ml



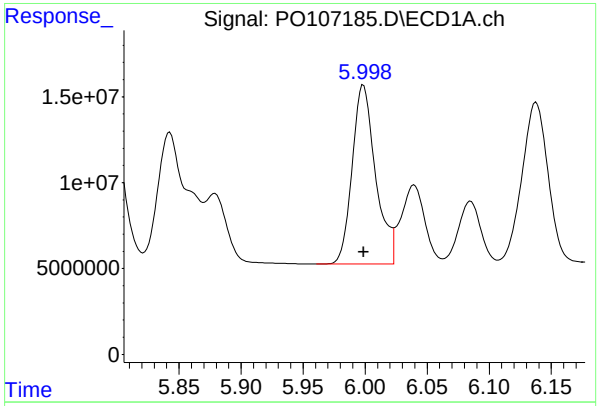
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 145386468
Conc: 716.32 ng/ml



#6 AR-1016-4

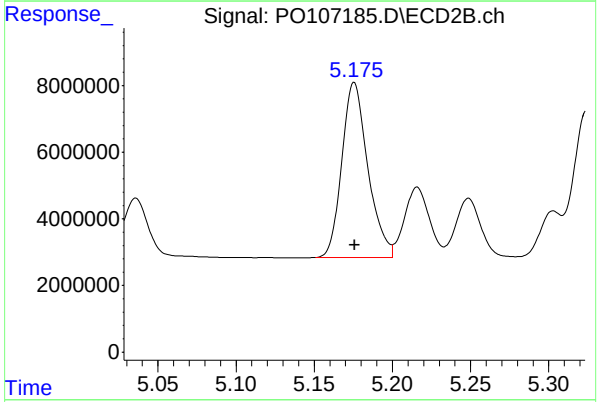
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 47559823
Conc: 724.91 ng/ml



#7 AR-1016-5

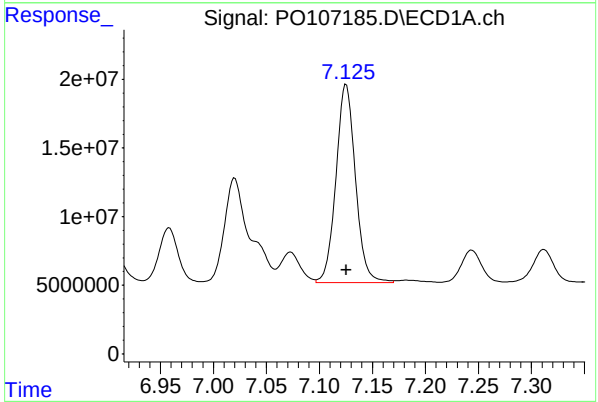
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 136606449
Conc: 713.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



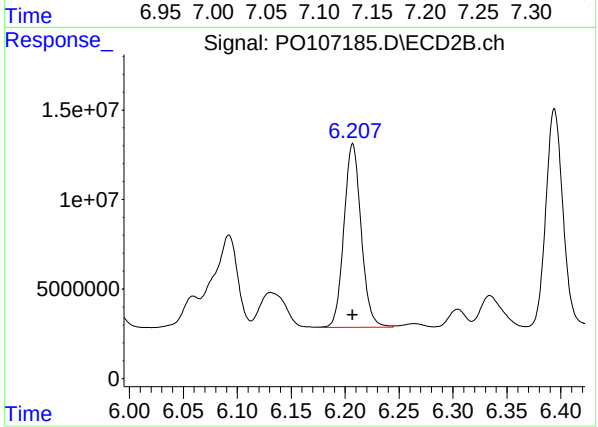
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 60728146
Conc: 727.09 ng/ml



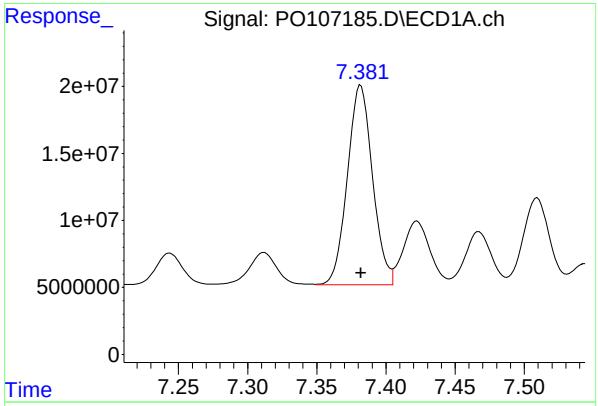
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 184873238
Conc: 713.37 ng/ml



#31 AR-1260-1

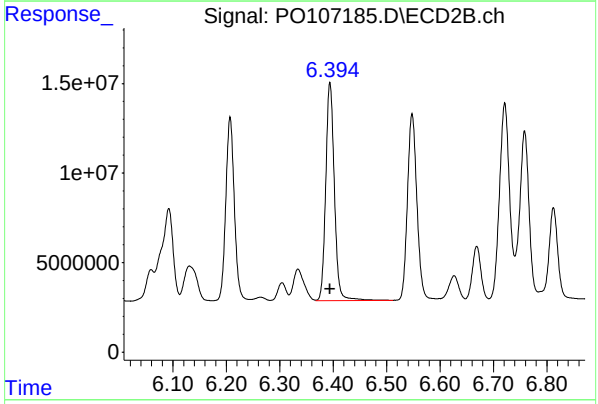
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 114022629
Conc: 735.01 ng/ml



#32 AR-1260-2

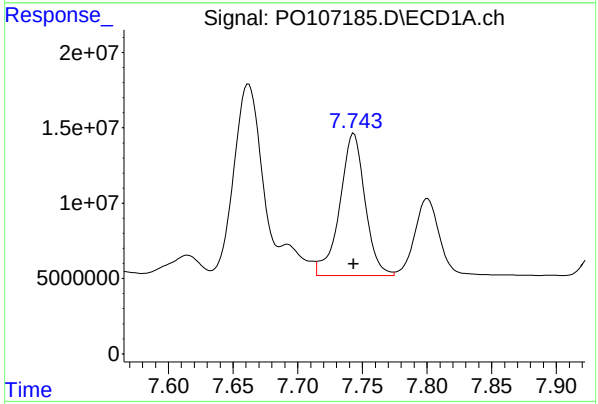
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 188810389
Conc: 714.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



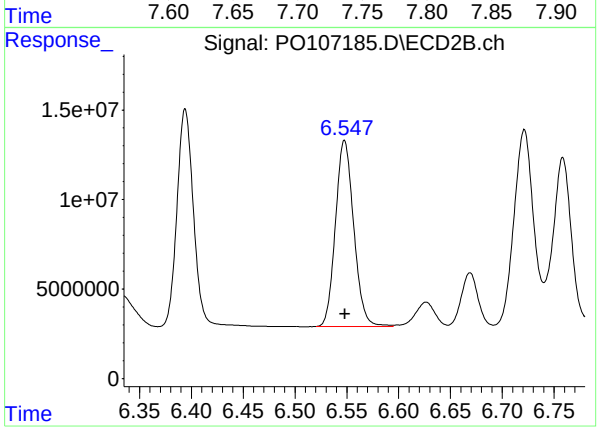
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 136144993
Conc: 739.50 ng/ml



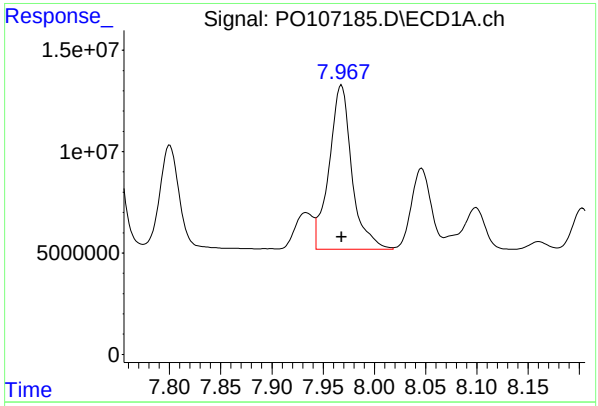
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 128670097
Conc: 708.96 ng/ml



#33 AR-1260-3

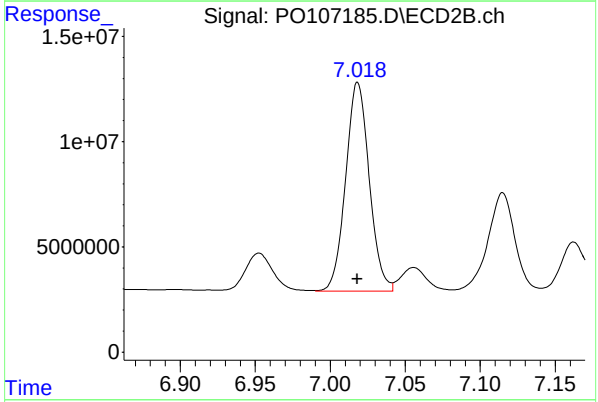
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 127719255
Conc: 742.09 ng/ml



#34 AR-1260-4

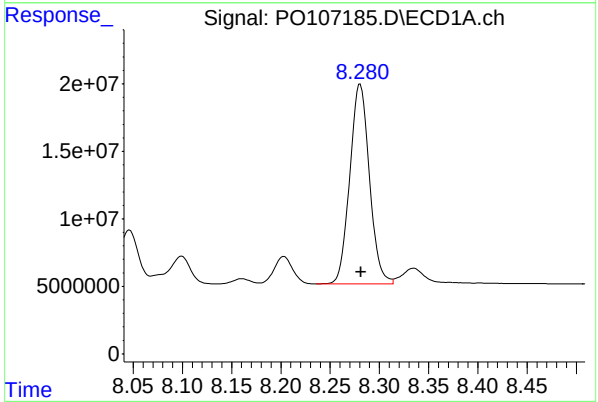
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 125249950
Conc: 714.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



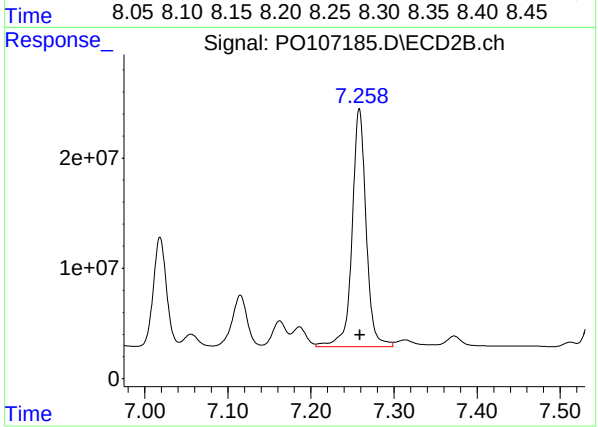
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 108671347
Conc: 738.68 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 205217871
Conc: 725.06 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 254837085
Conc: 756.65 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
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: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.374	3.645	464.3E6	167.5E6	50.000	50.000
2)	SA Decachlor...	10.058	8.639	124.8E6	139.2E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.523	4.726	136.0E6	51266401	500.000	500.000
4)	L1 AR-1016-2	5.545	4.745	198.9E6	72157971	500.000	500.000
5)	L1 AR-1016-3	5.607	4.921	128.3E6	39399514	500.000	500.000
6)	L1 AR-1016-4	5.704	4.962	101.5E6	32803861	500.000	500.000
7)	L1 AR-1016-5	5.999	5.176	95743965	41761334	500.000	500.000
31)	L7 AR-1260-1	7.126	6.207	129.6E6	77565878	500.000	500.000
32)	L7 AR-1260-2	7.382	6.394	132.0E6	92052145	500.000	500.000
33)	L7 AR-1260-3	7.743	6.548	90745881	86054054	500.000	500.000
34)	L7 AR-1260-4	7.968	7.018	87644858	73557583	500.000	500.000
35)	L7 AR-1260-5	8.281	7.259	141.5E6	168.4E6	500.000	500.000

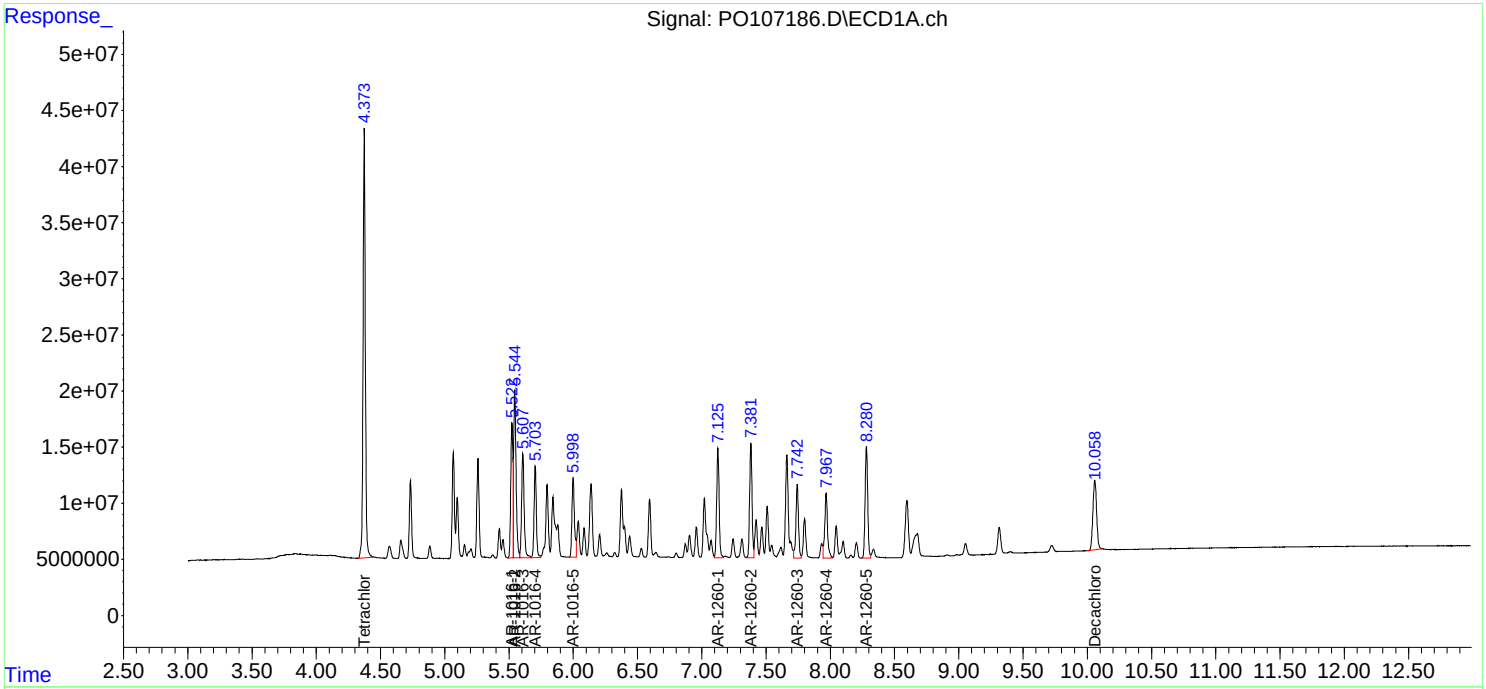
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

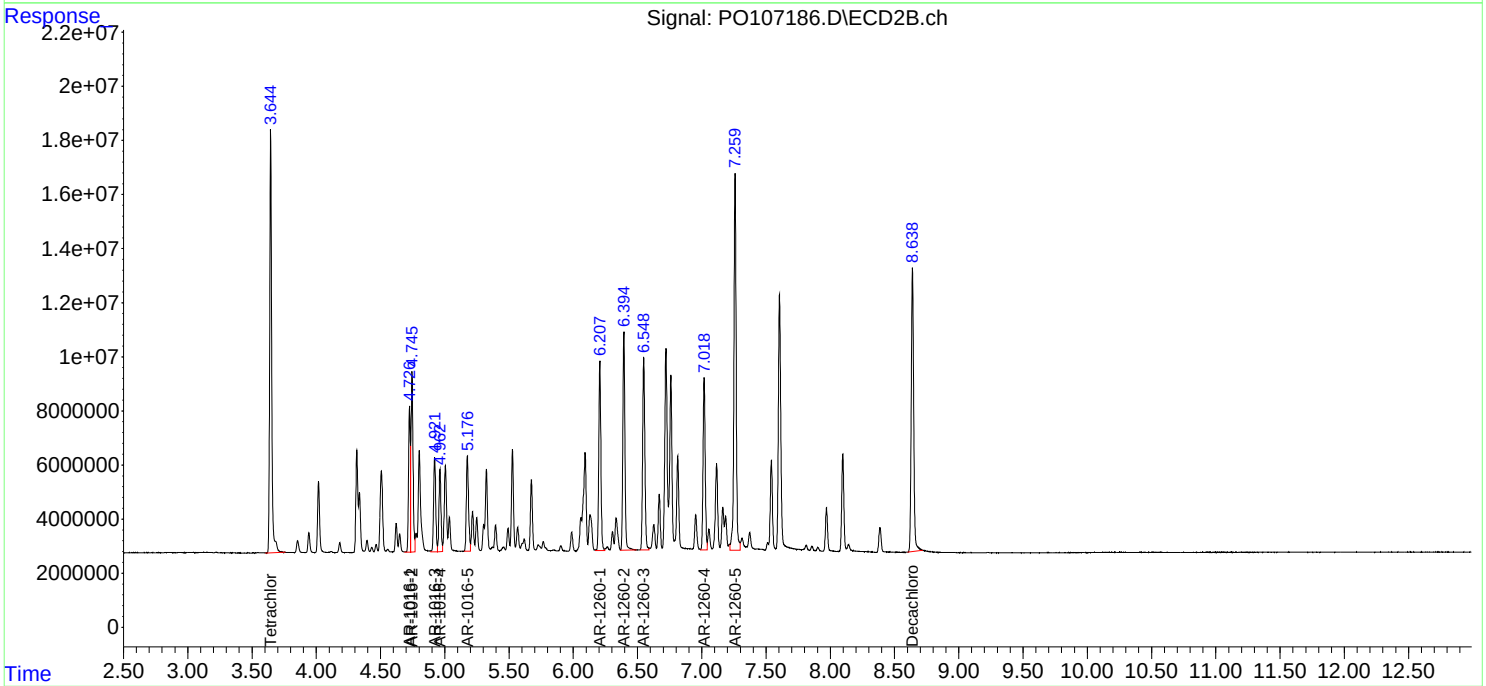
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

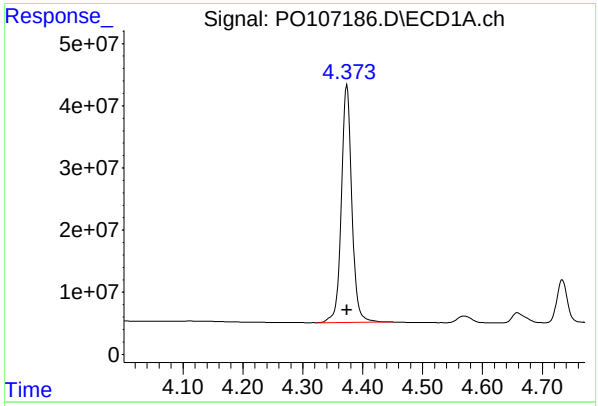
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



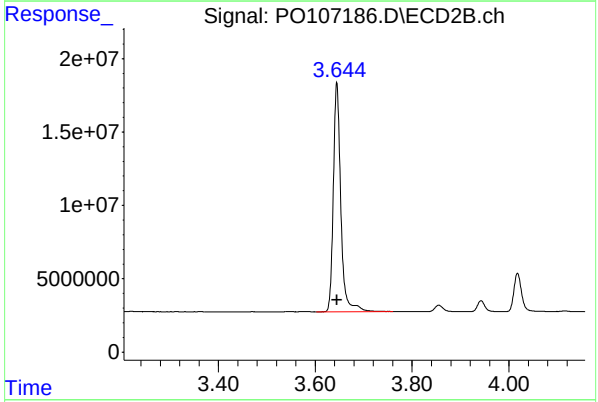




#1 Tetrachloro-m-xylene

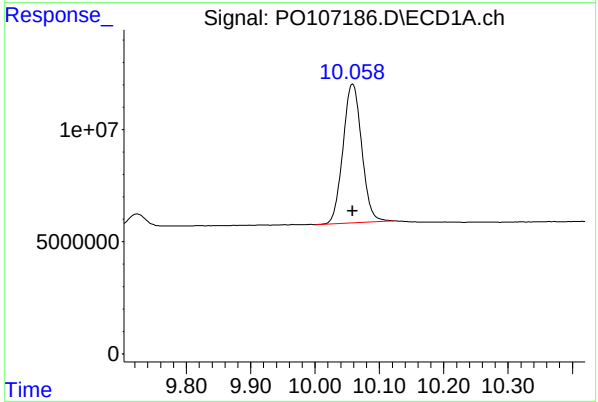
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 464288143
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



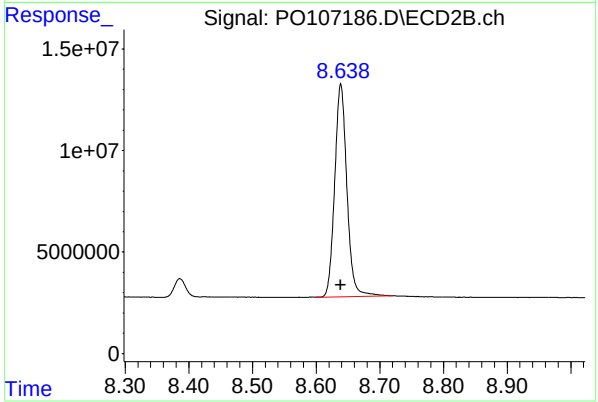
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 167453262
Conc: 50.00 ng/ml



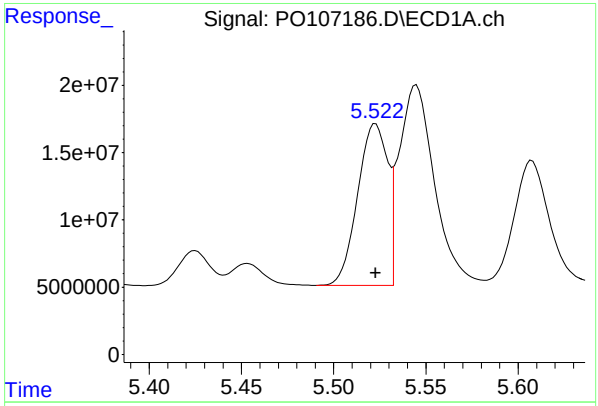
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 124823950
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

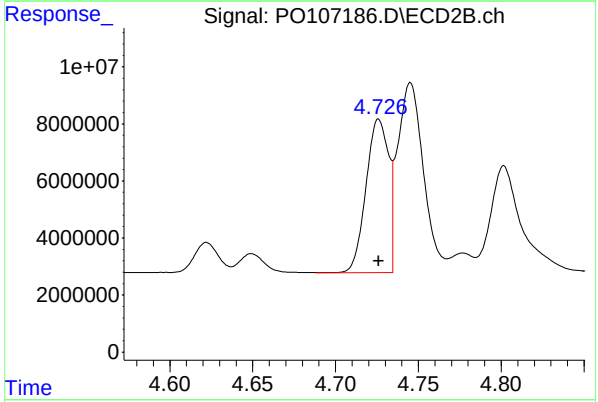
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 139239645
Conc: 50.00 ng/ml



#3 AR-1016-1

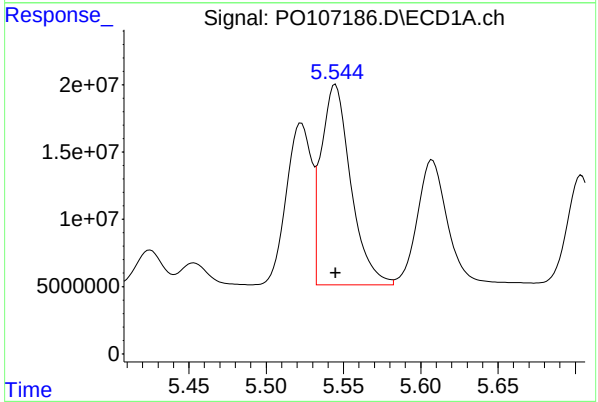
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 135969538
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



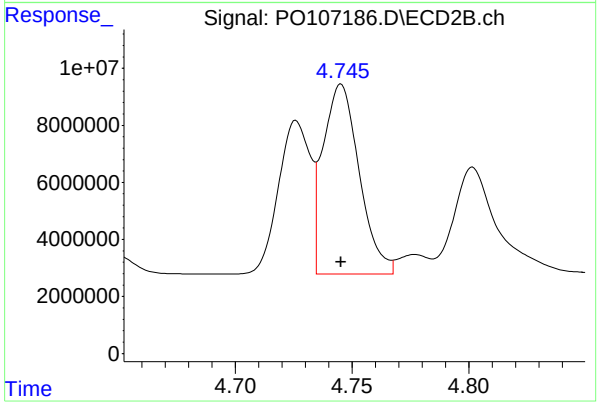
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 51266401
Conc: 500.00 ng/ml



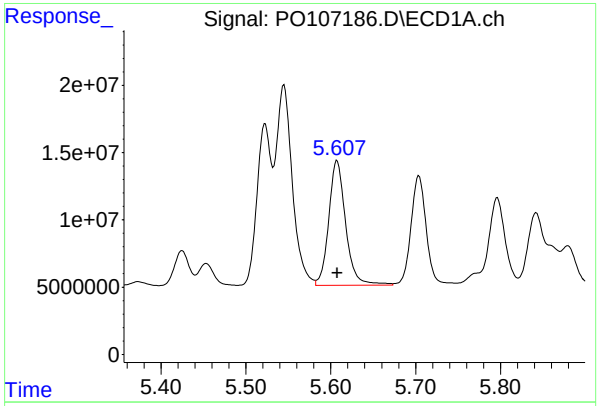
#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 198943676
Conc: 500.00 ng/ml



#4 AR-1016-2

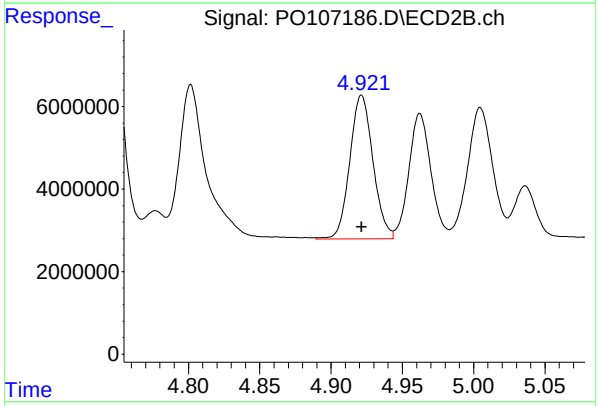
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 72157971
Conc: 500.00 ng/ml



#5 AR-1016-3

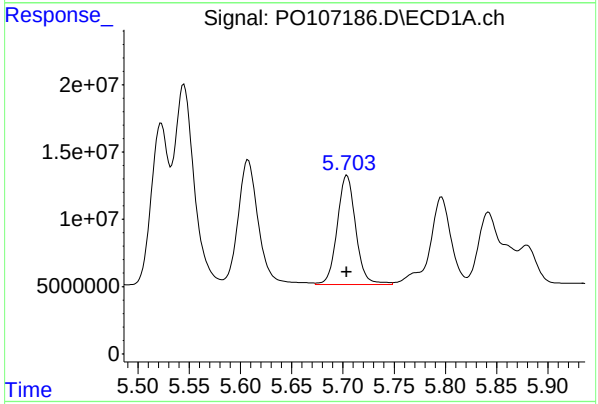
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 128287877
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



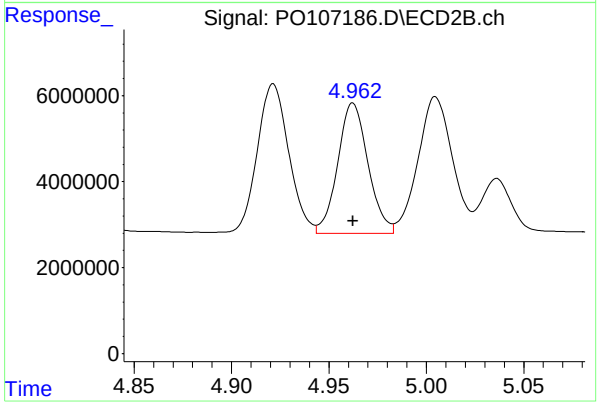
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 39399514
Conc: 500.00 ng/ml



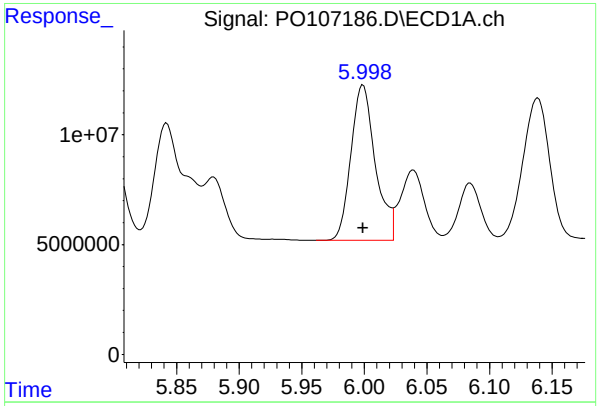
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 101481951
Conc: 500.00 ng/ml



#6 AR-1016-4

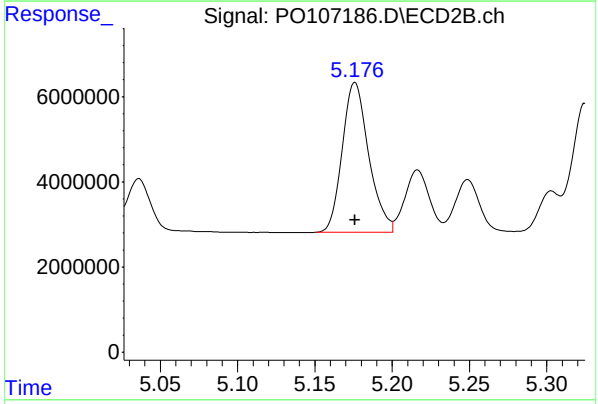
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 32803861
Conc: 500.00 ng/ml



#7 AR-1016-5

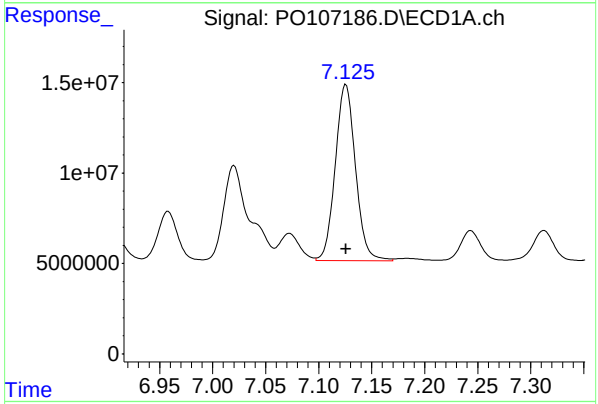
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 95743965
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



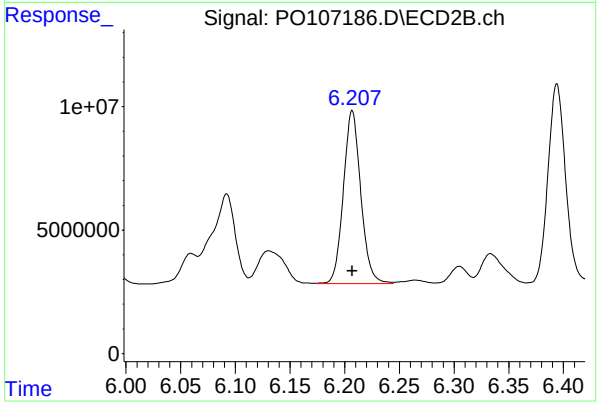
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 41761334
Conc: 500.00 ng/ml



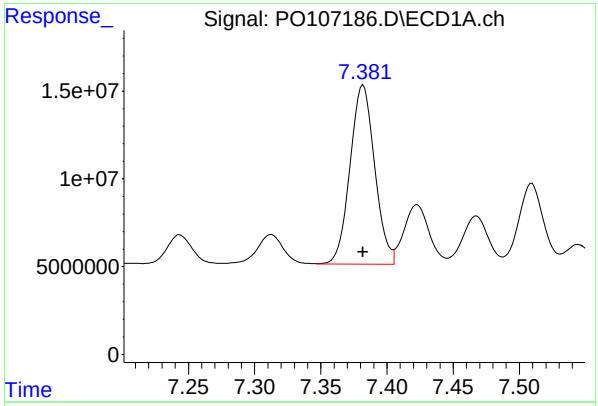
#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 129577987
Conc: 500.00 ng/ml



#31 AR-1260-1

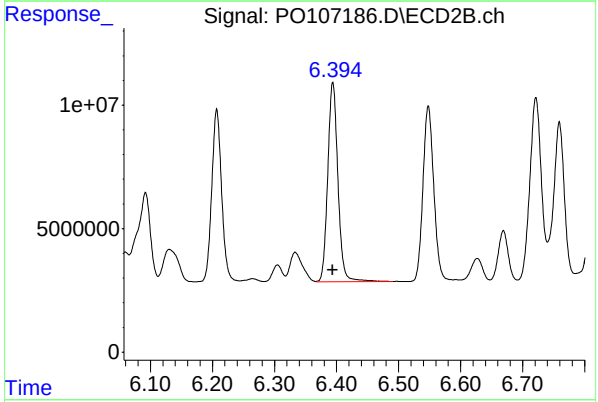
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 77565878
Conc: 500.00 ng/ml



#32 AR-1260-2

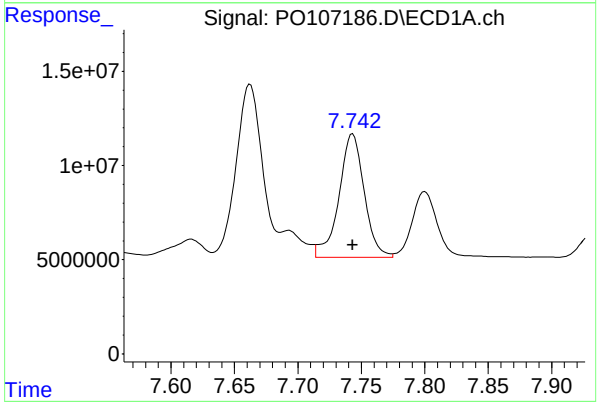
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 132041756
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



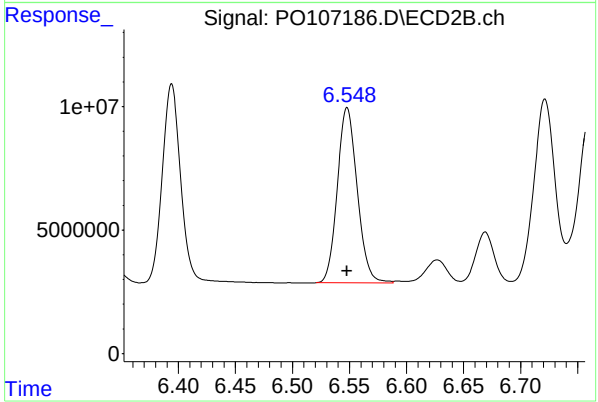
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 92052145
Conc: 500.00 ng/ml



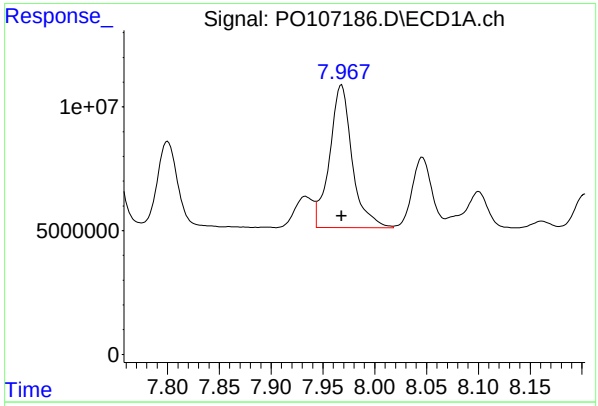
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 90745881
Conc: 500.00 ng/ml



#33 AR-1260-3

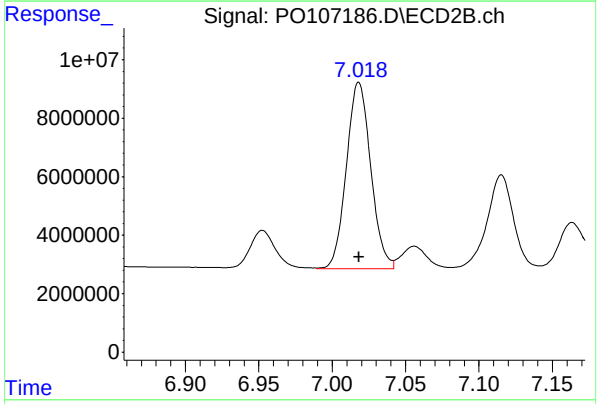
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 86054054
Conc: 500.00 ng/ml



#34 AR-1260-4

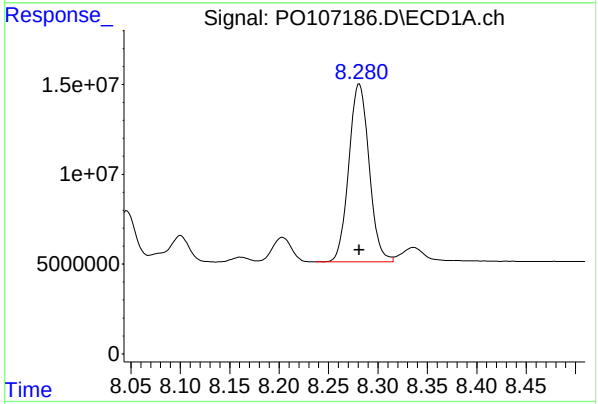
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 87644858
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



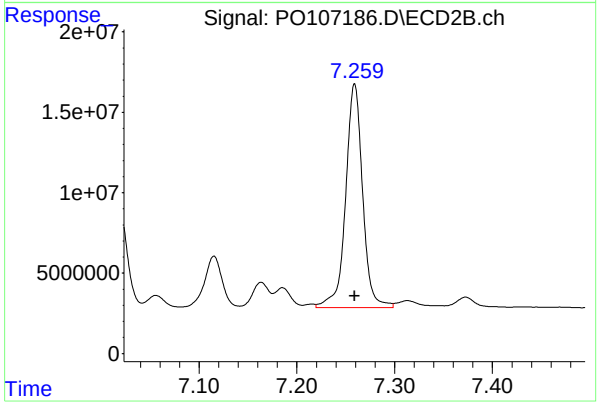
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 73557583
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 141517947
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 168398358
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
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: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	238.7E6	80767902	25.706	24.117
2)	SA Decachlor...	10.059	8.640	65095686	71320716	26.075	25.611
	Target Compounds						
3)	L1 AR-1016-1	5.522	4.727	72779622	26650346	267.632	259.920
4)	L1 AR-1016-2	5.544	4.746	104.8E6	36719388	263.313	254.438
5)	L1 AR-1016-3	5.606	4.921	69101416	20445837	269.322	259.468
6)	L1 AR-1016-4	5.704	4.962	53770388	17391092	264.926	265.077
7)	L1 AR-1016-5	5.998	5.176	50878723	21735247	265.702	260.232
31)	L7 AR-1260-1	7.124	6.207	69305169	40485591	267.426	260.976
32)	L7 AR-1260-2	7.381	6.394	71054115	47434059	269.059	257.648
33)	L7 AR-1260-3	7.743	6.548	48784517	43997886	268.797	255.641
34)	L7 AR-1260-4	7.966	7.018	46895508	37628553	267.531	255.776
35)	L7 AR-1260-5	8.281	7.259	74817853	85097988	264.341	252.669

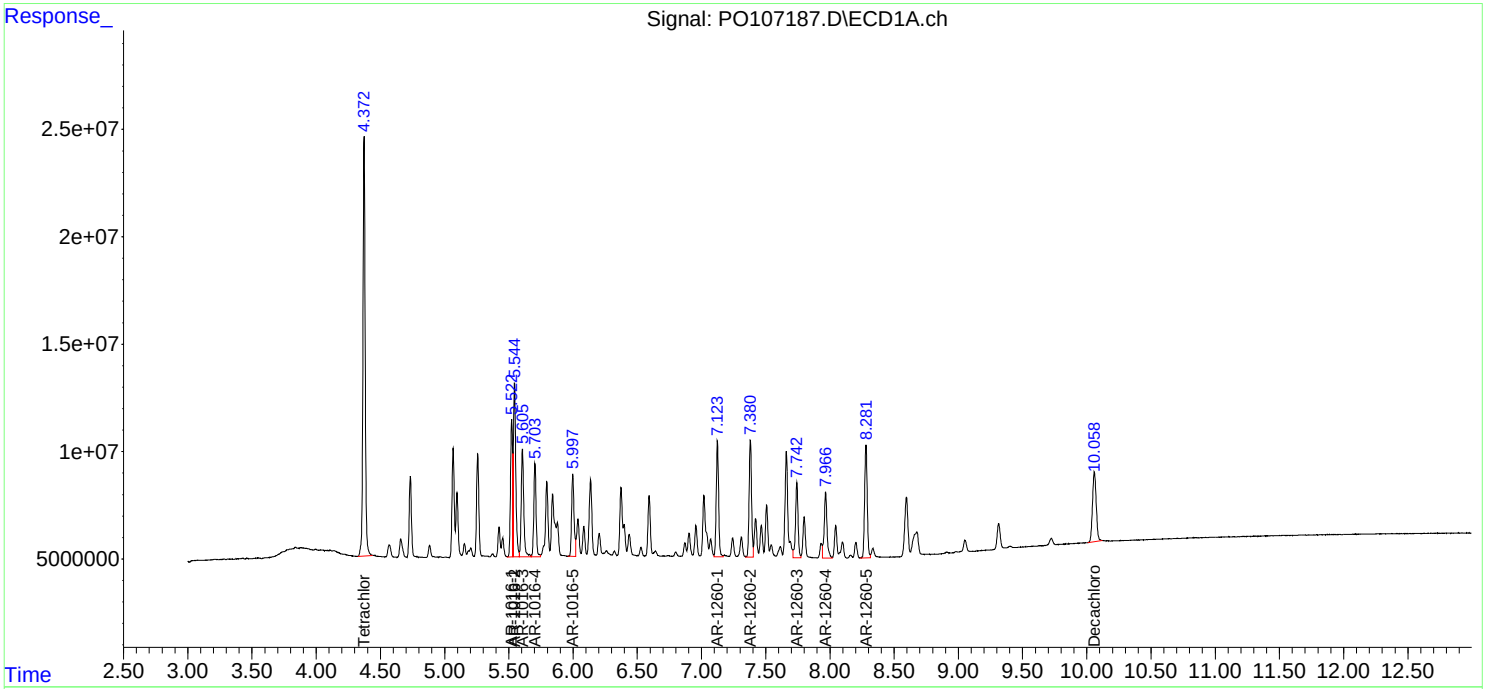
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

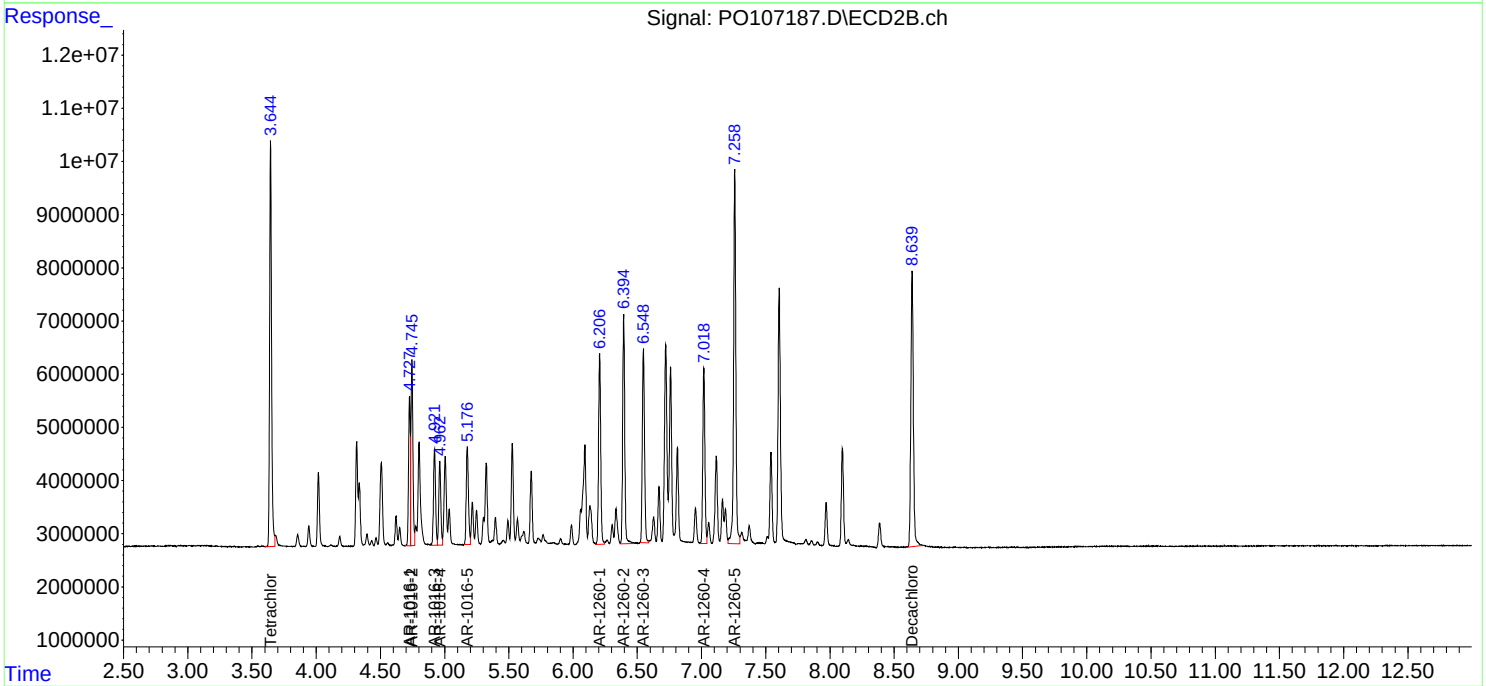
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

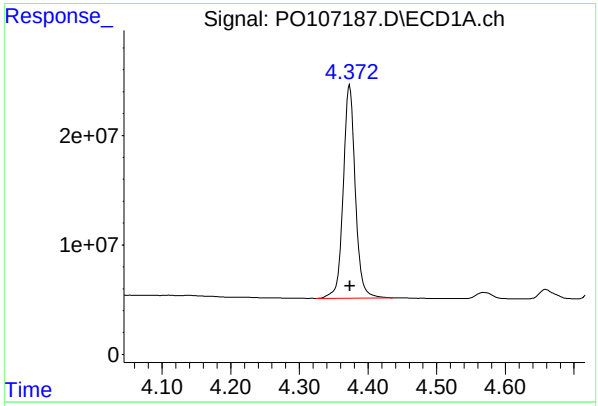
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



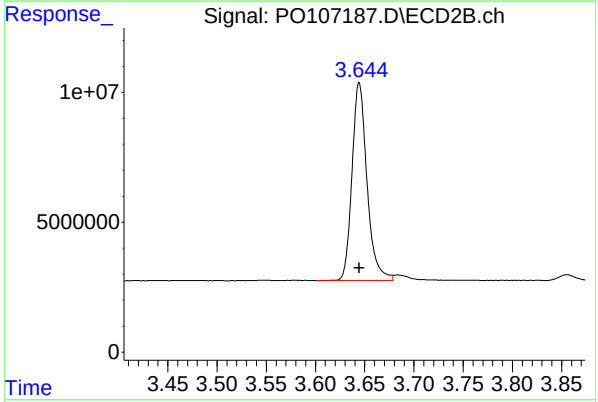




#1 Tetrachloro-m-xylene

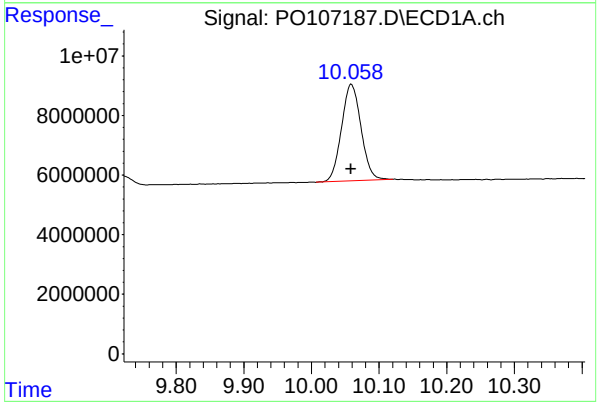
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 238700157
Conc: 25.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



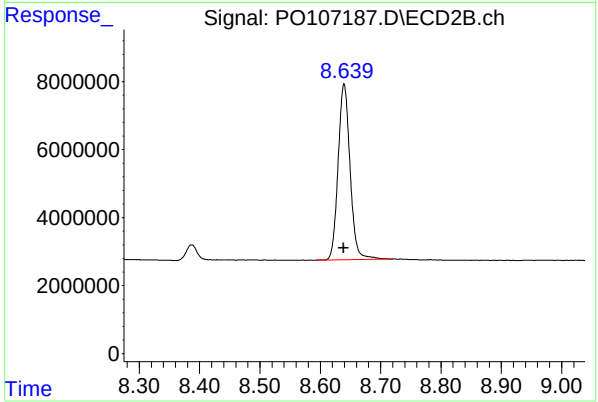
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 80767902
Conc: 24.12 ng/ml



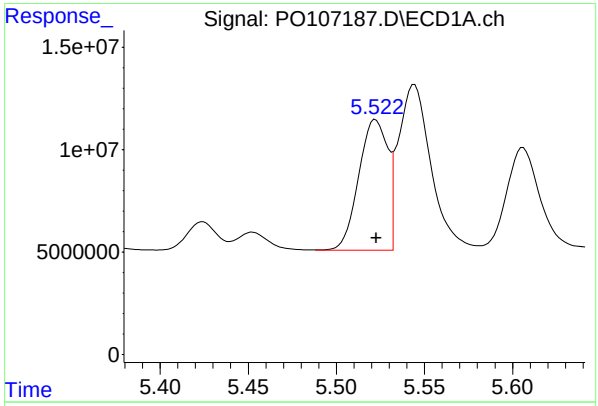
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 65095686
Conc: 26.07 ng/ml



#2 Decachlorobiphenyl

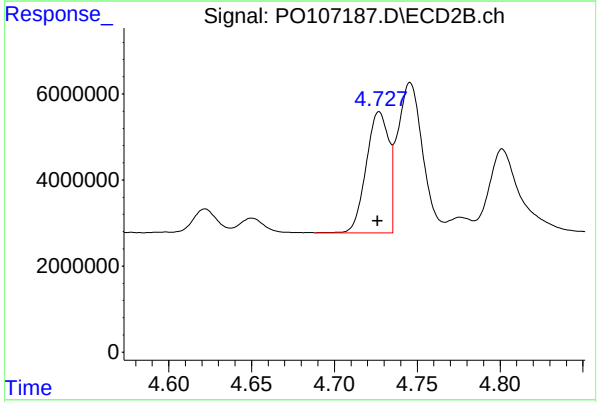
R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 71320716
Conc: 25.61 ng/ml



#3 AR-1016-1

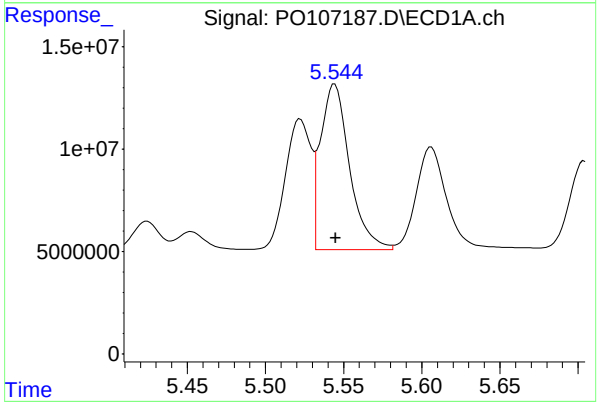
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 72779622
Conc: 267.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



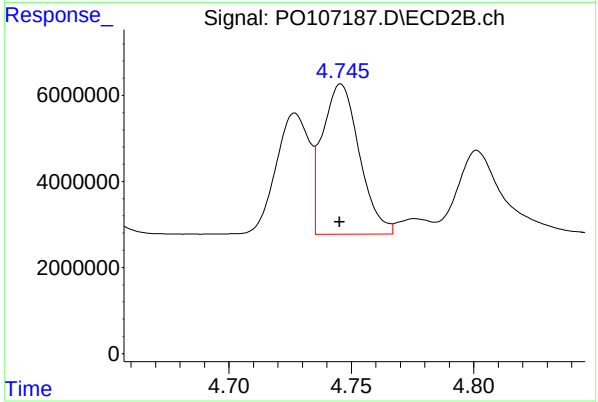
#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 26650346
Conc: 259.92 ng/ml



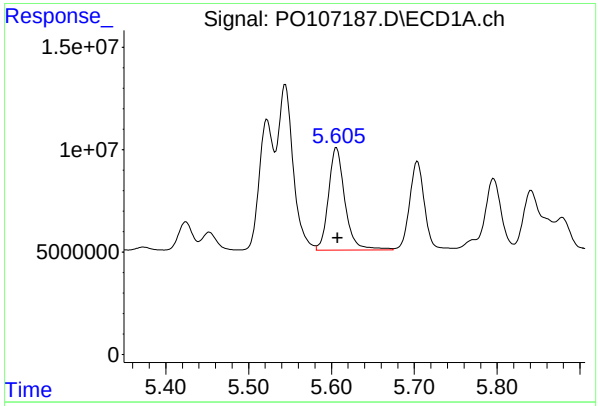
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 104768827
Conc: 263.31 ng/ml



#4 AR-1016-2

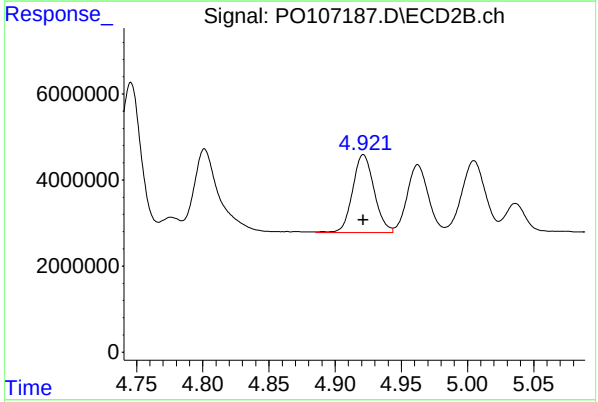
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 36719388
Conc: 254.44 ng/ml



#5 AR-1016-3

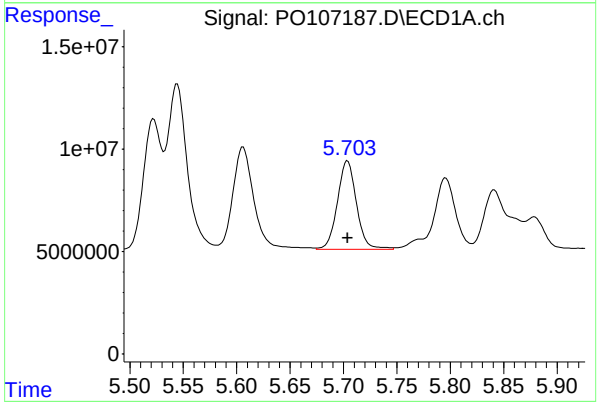
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 69101416
Conc: 269.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



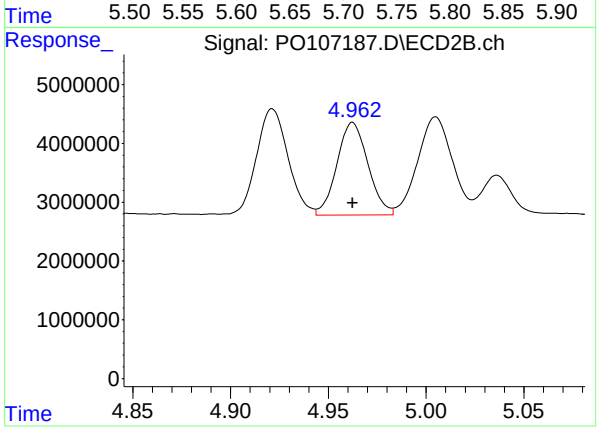
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 20445837
Conc: 259.47 ng/ml



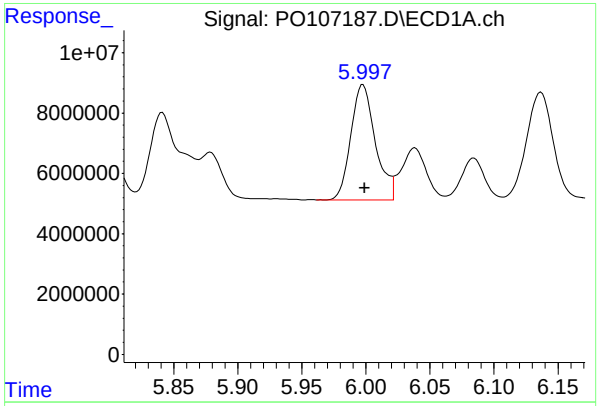
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 53770388
Conc: 264.93 ng/ml



#6 AR-1016-4

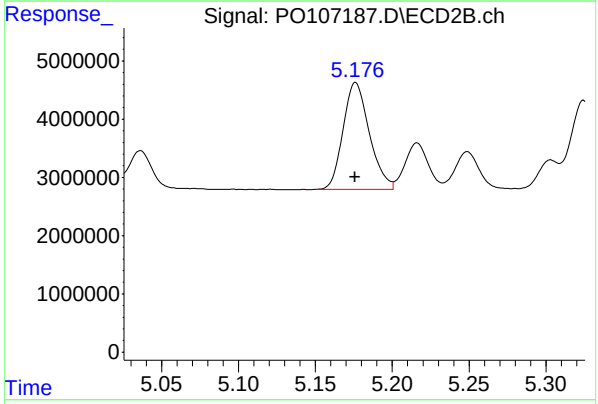
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 17391092
Conc: 265.08 ng/ml



#7 AR-1016-5

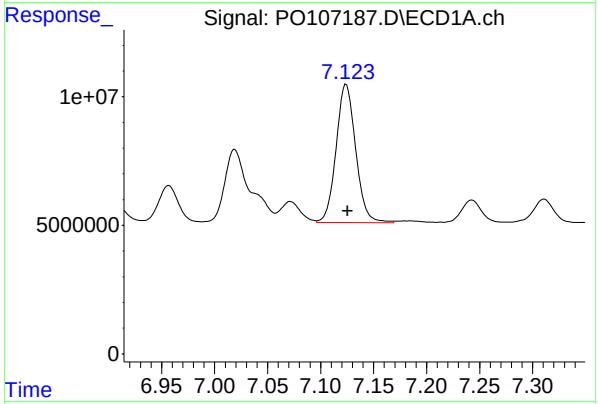
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 50878723
Conc: 265.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



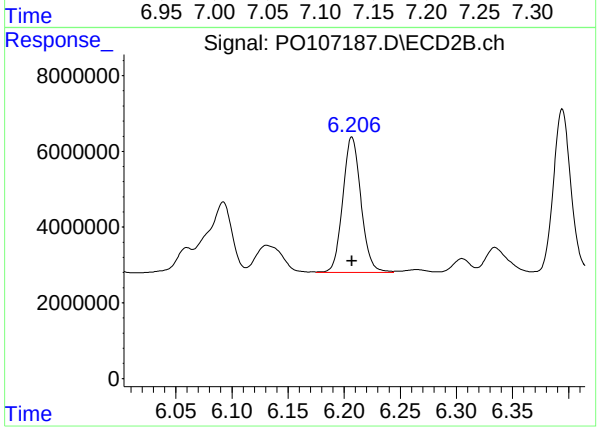
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 21735247
Conc: 260.23 ng/ml



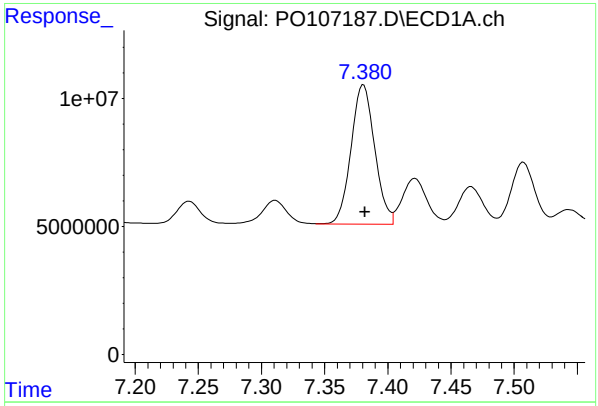
#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.002 min
Response: 69305169
Conc: 267.43 ng/ml



#31 AR-1260-1

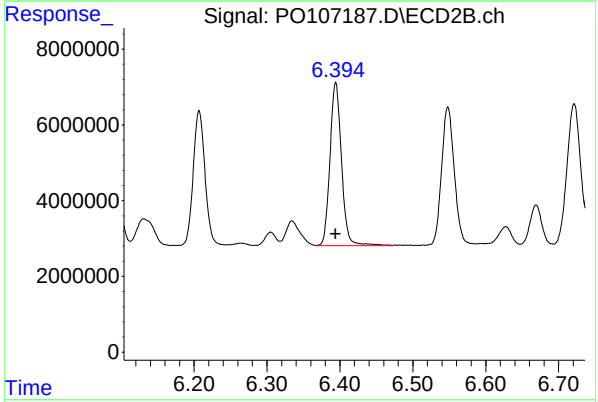
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 40485591
Conc: 260.98 ng/ml



#32 AR-1260-2

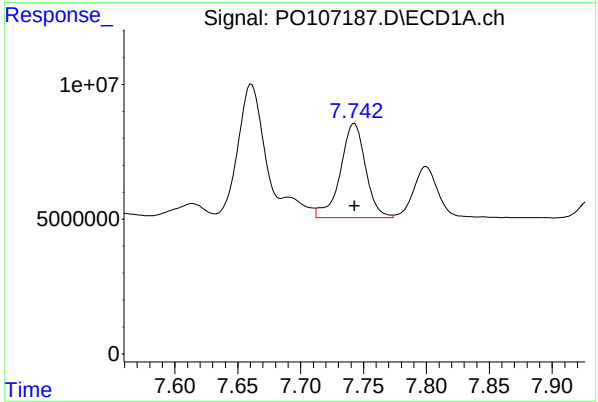
R.T.: 7.381 min
Delta R.T.: -0.001 min
Response: 71054115
Conc: 269.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



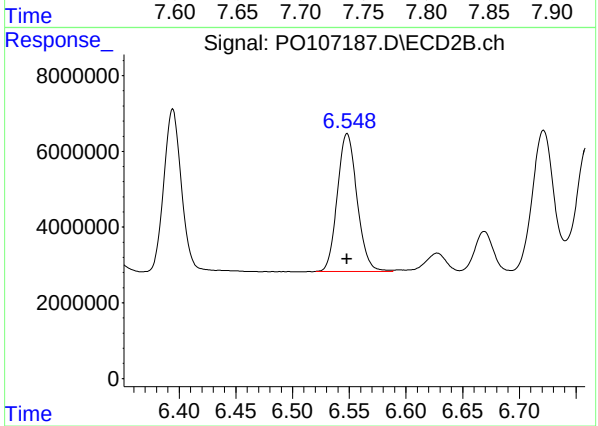
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 47434059
Conc: 257.65 ng/ml



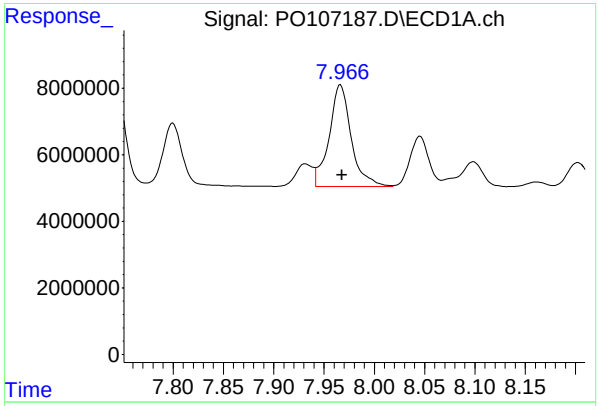
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 48784517
Conc: 268.80 ng/ml



#33 AR-1260-3

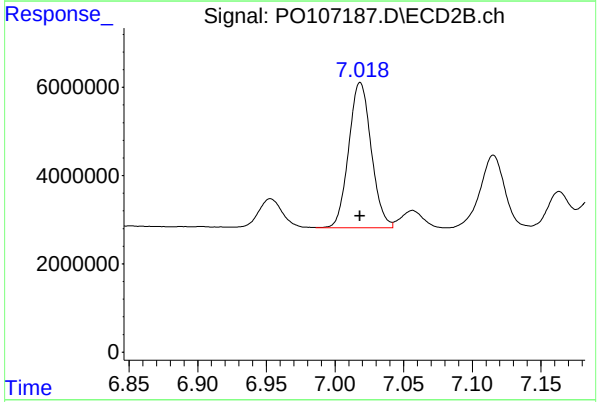
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 43997886
Conc: 255.64 ng/ml



#34 AR-1260-4

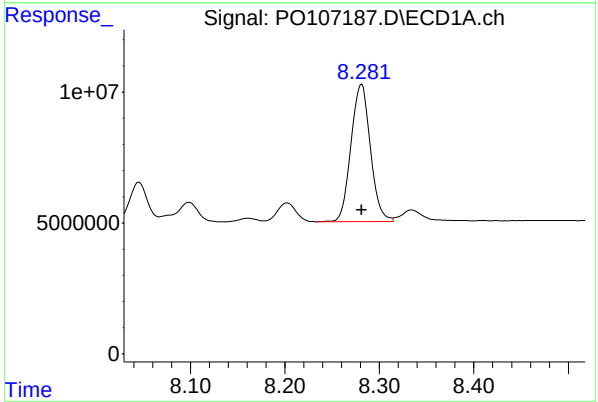
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 46895508
Conc: 267.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



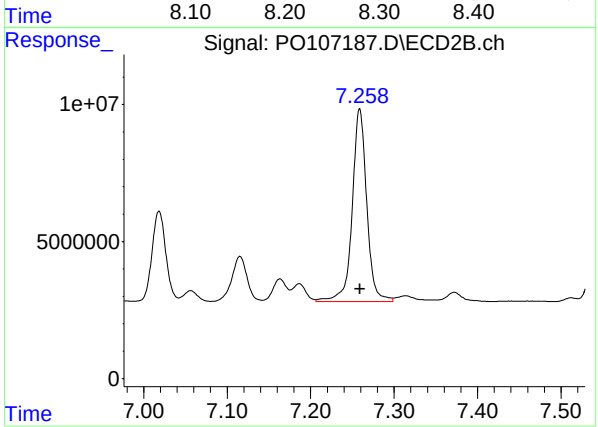
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 37628553
Conc: 255.78 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 74817853
Conc: 264.34 ng/ml



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 85097988
Conc: 252.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.374	3.644	43726312	14311070	4.709	4.273
2)	SA Decachlor...	10.060	8.639	11883434	12970025	4.760	4.657m
	Target Compounds						
3)	L1 AR-1016-1	5.523	4.727	13611471	5437001	50.053	53.027
4)	L1 AR-1016-2	5.544	4.745	20533666	6518003	51.607	45.165
5)	L1 AR-1016-3	5.607	4.922	12202124	4010763	47.558	50.899
6)	L1 AR-1016-4	5.704	4.963	8277151	3521180	40.781	53.670 #
7)	L1 AR-1016-5	5.999	5.176	7989825	4017833	41.725	48.105
31)	L7 AR-1260-1	7.125	6.207	13579378	7810910	52.398	50.350m
32)	L7 AR-1260-2	7.380	6.395	13632543	7572896	51.622m	41.134m
33)	L7 AR-1260-3	7.743	6.548	9159133	7594706	50.466m	44.128m
34)	L7 AR-1260-4	7.967	7.019	9276106	6862107	52.919	46.644m
35)	L7 AR-1260-5	8.280	7.258	14867575	14474674	52.529m	42.977m

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

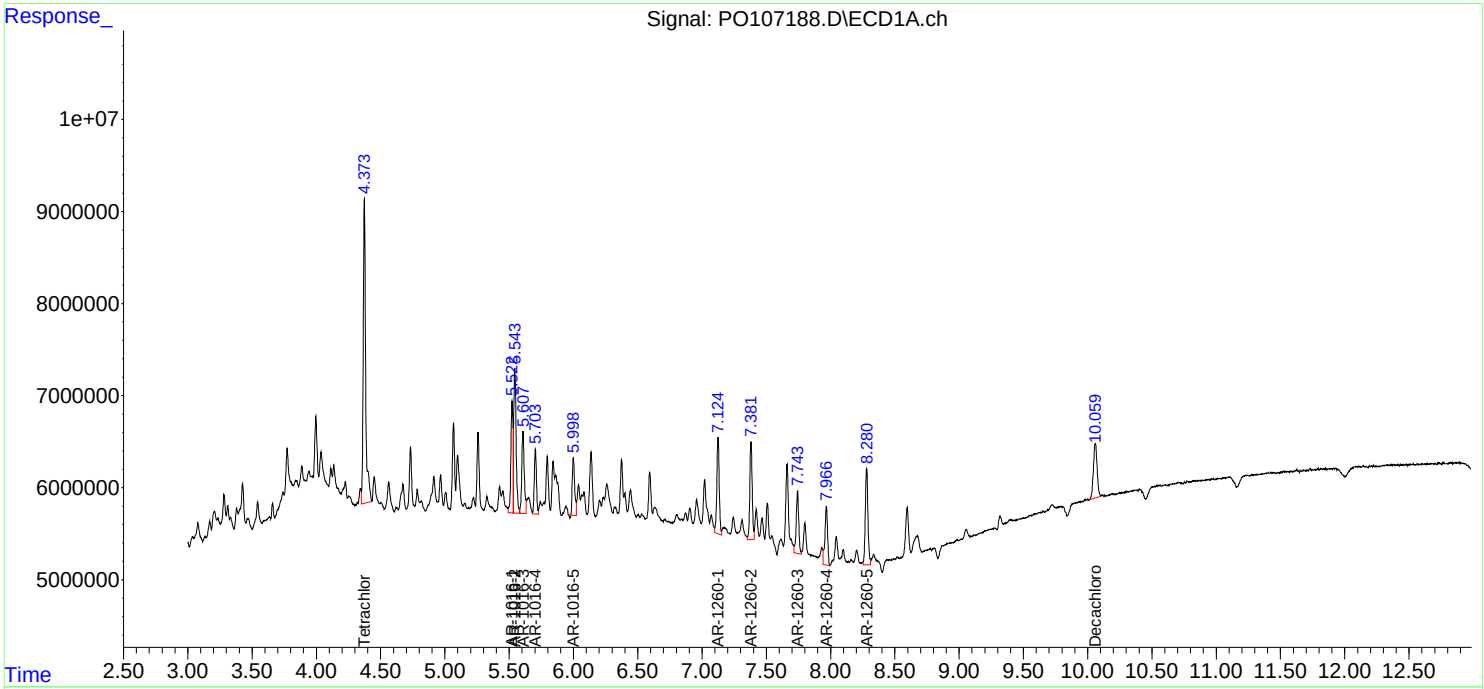
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

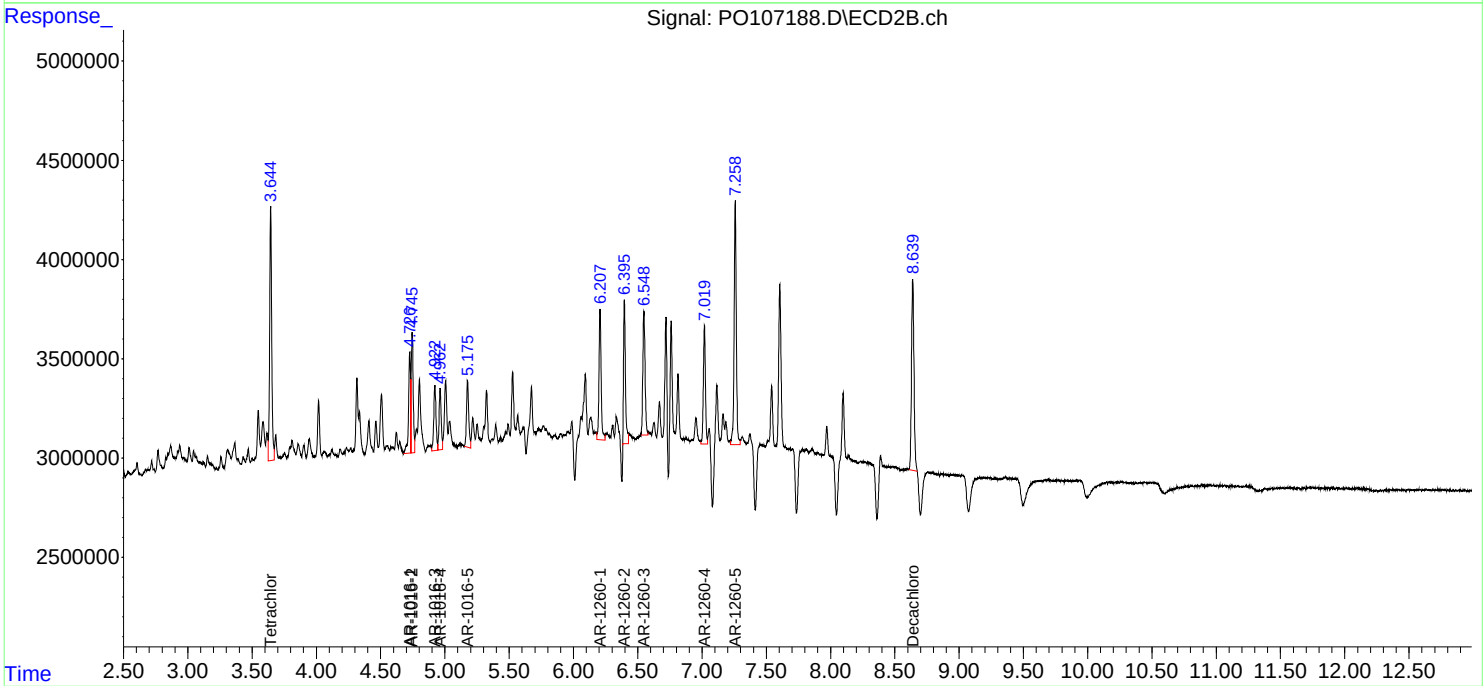
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

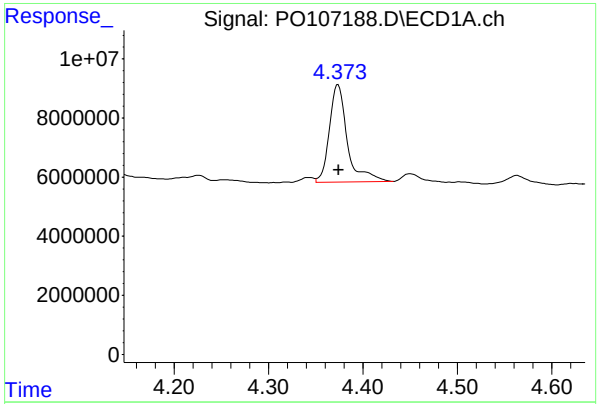
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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







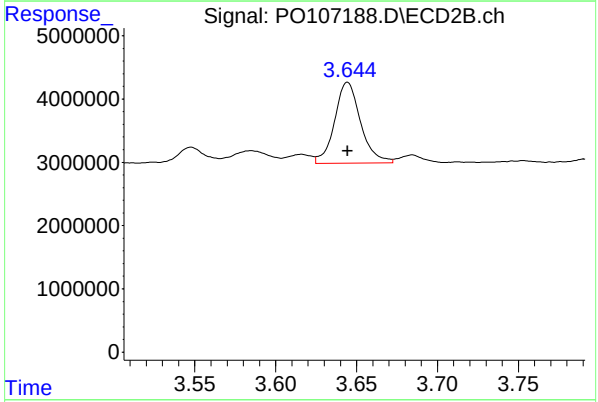
#1 Tetrachloro-m-xylene

R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 43726312
Conc: 4.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

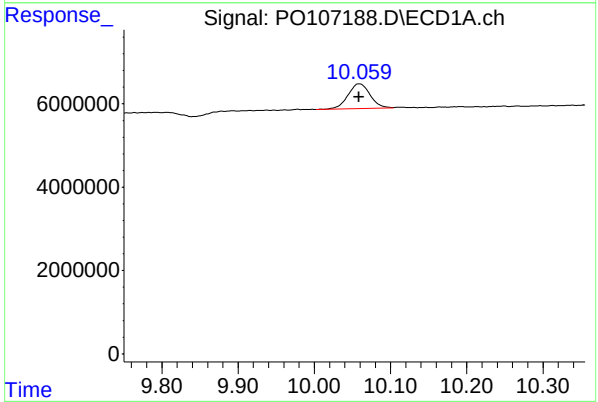
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



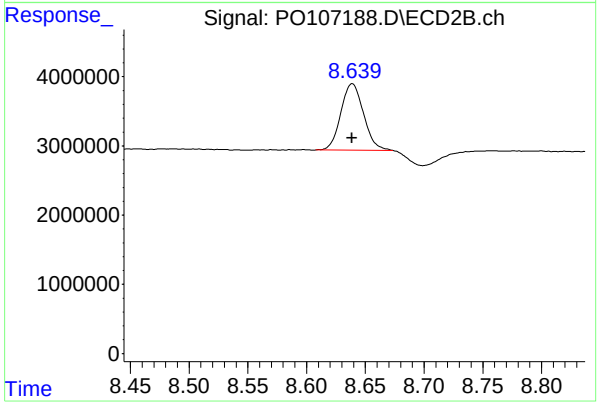
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14311070
Conc: 4.27 ng/ml



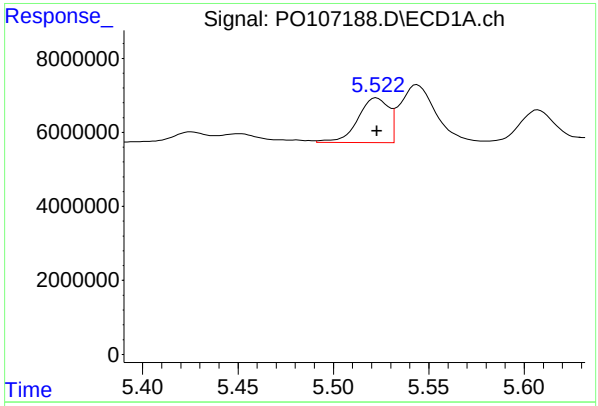
#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.001 min
Response: 11883434
Conc: 4.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 12970025
Conc: 4.66 ng/ml m



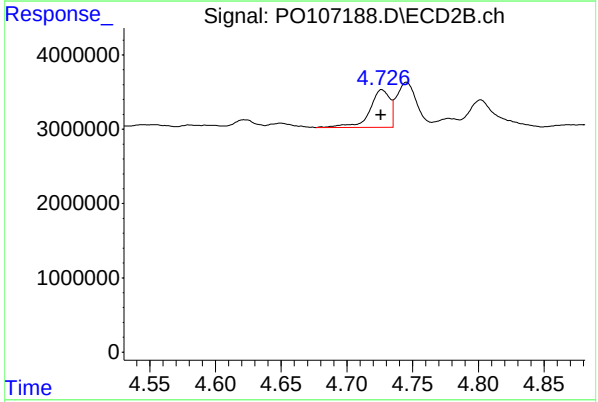
#3 AR-1016-1

R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 13611471
Conc: 50.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

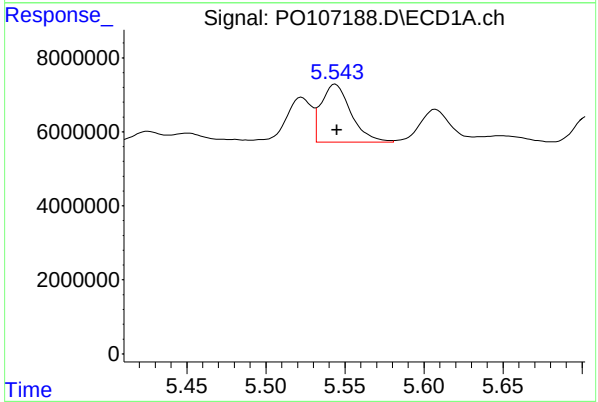
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



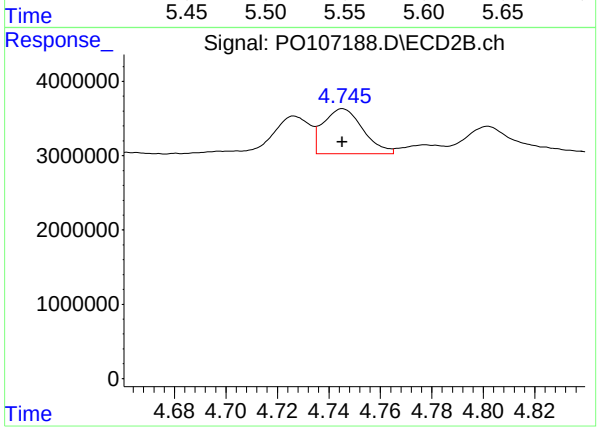
#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 5437001
Conc: 53.03 ng/ml



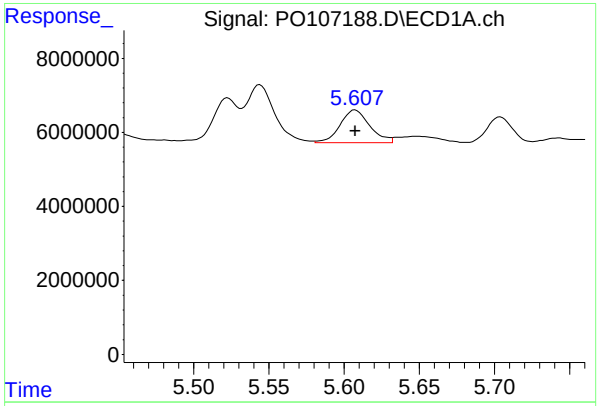
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 20533666
Conc: 51.61 ng/ml



#4 AR-1016-2

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 6518003
Conc: 45.16 ng/ml



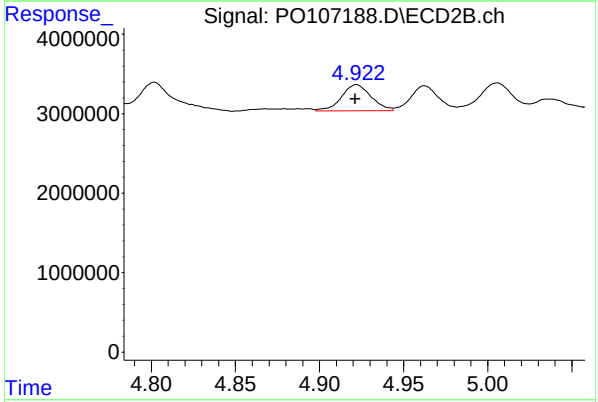
#5 AR-1016-3

R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 12202124
Conc: 47.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

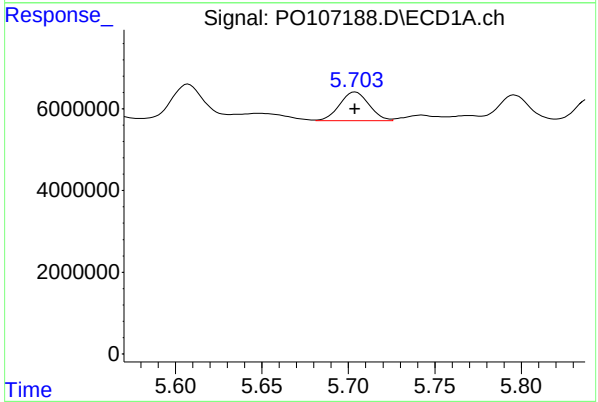
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



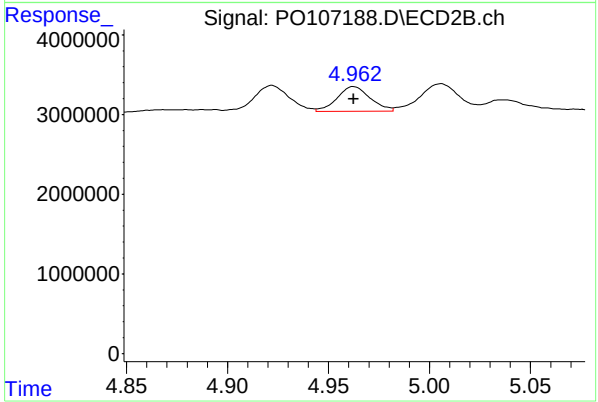
#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 4010763
Conc: 50.90 ng/ml



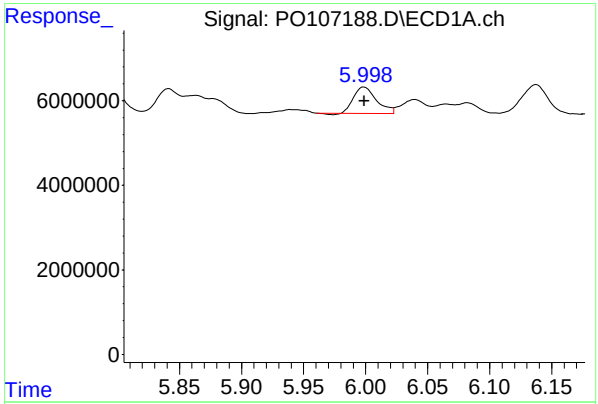
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 8277151
Conc: 40.78 ng/ml



#6 AR-1016-4

R.T.: 4.963 min
Delta R.T.: 0.000 min
Response: 3521180
Conc: 53.67 ng/ml



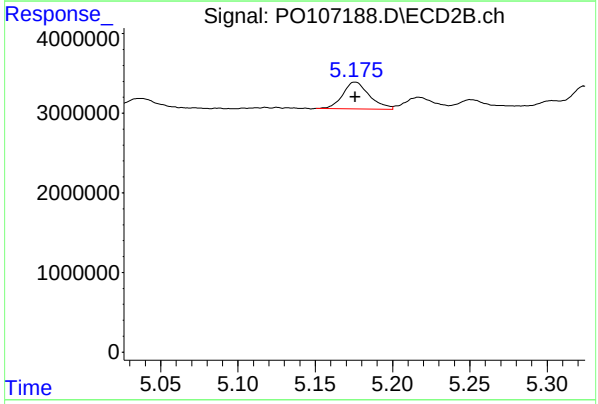
#7 AR-1016-5

R.T.: 5.999 min
Delta R.T.: 0.000 mi
Response: 7989825
Conc: 41.72 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

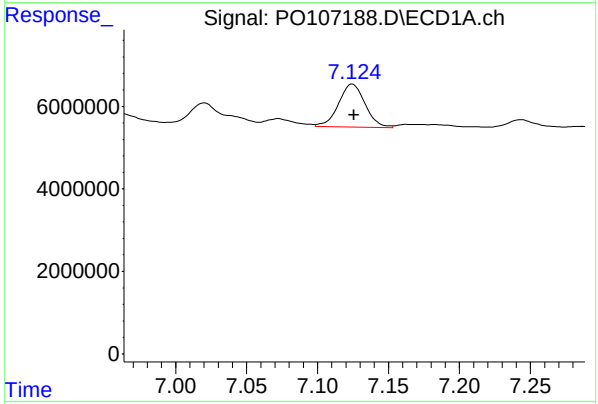
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



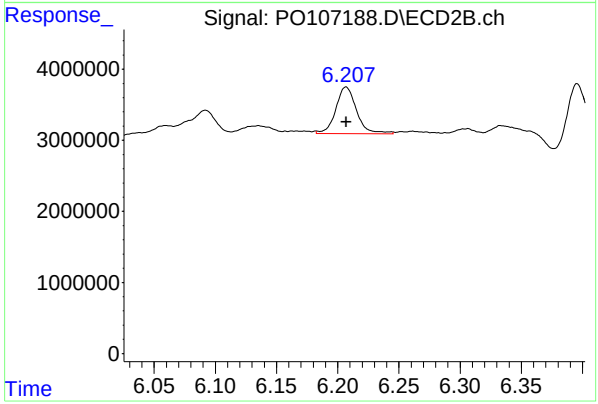
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 4017833
Conc: 48.10 ng/ml



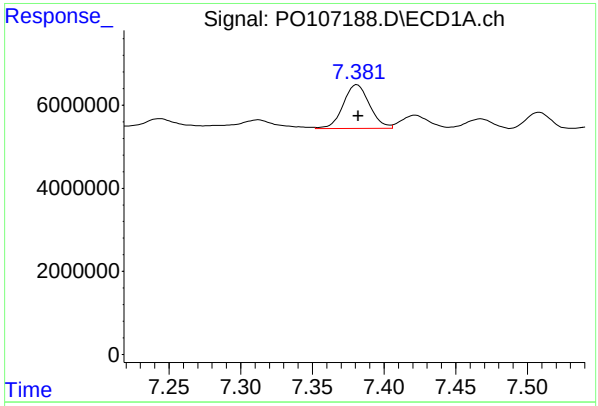
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 13579378
Conc: 52.40 ng/ml



#31 AR-1260-1

R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 7810910
Conc: 50.35 ng/ml m



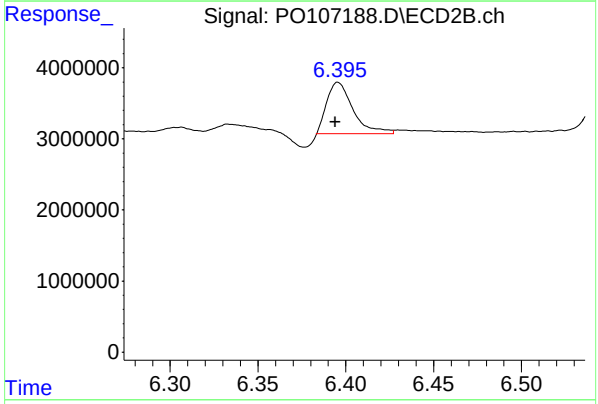
#32 AR-1260-2

R.T.: 7.380 min
Delta R.T.: -0.001 mi
Response: 13632543
Conc: 51.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

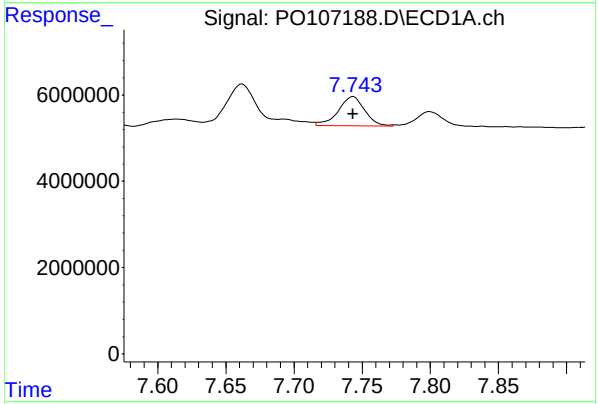
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



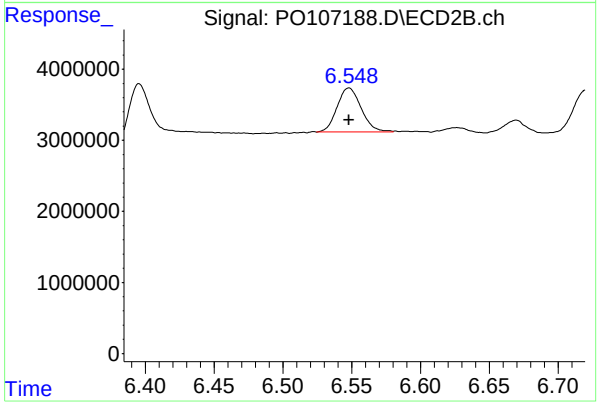
#32 AR-1260-2

R.T.: 6.395 min
Delta R.T.: 0.001 min
Response: 7572896
Conc: 41.13 ng/ml m



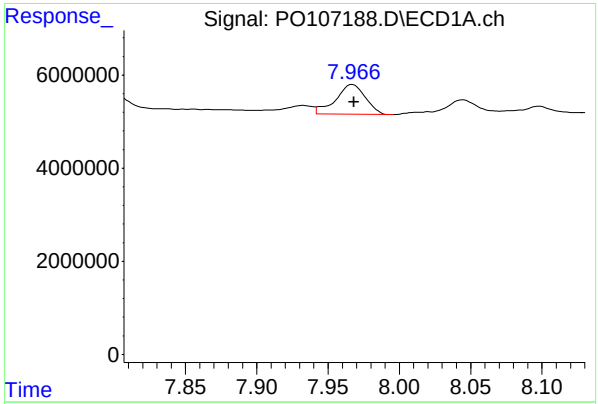
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 9159133
Conc: 50.47 ng/ml m



#33 AR-1260-3

R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 7594706
Conc: 44.13 ng/ml m



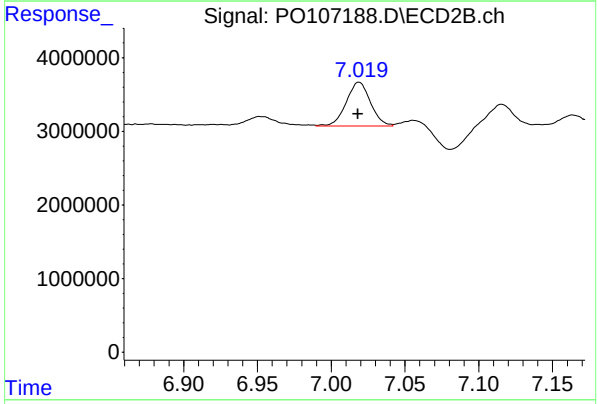
#34 AR-1260-4

R.T.: 7.967 min
Delta R.T.: 0.000 mi
Response: 9276106
Conc: 52.92 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

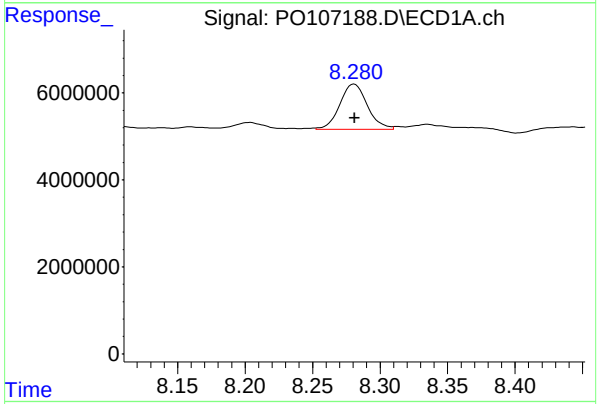
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



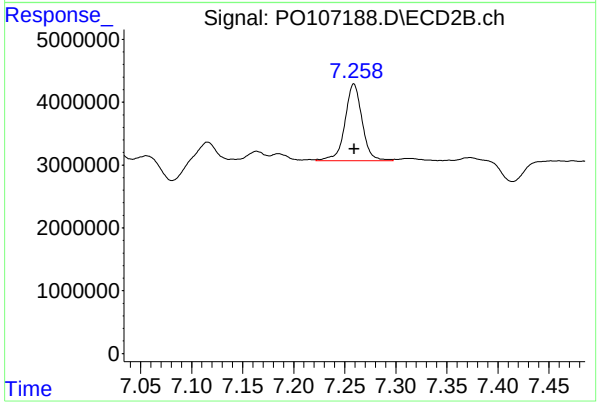
#34 AR-1260-4

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 6862107
Conc: 46.64 ng/ml m



#35 AR-1260-5

R.T.: 8.280 min
Delta R.T.: -0.001 min
Response: 14867575
Conc: 52.53 ng/ml m



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 14474674
Conc: 42.98 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
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: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	449.1E6	154.1E6	50.000	50.000
2)	SA Decachlor...	10.060	8.639	121.6E6	134.8E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.573	3.856	55004944	17447760	500.000	500.000
9)	L2 AR-1221-2	4.658	3.942	39418330	13312448	500.000	500.000
10)	L2 AR-1221-3	4.733	4.018	117.0E6	40609299	500.000	500.000

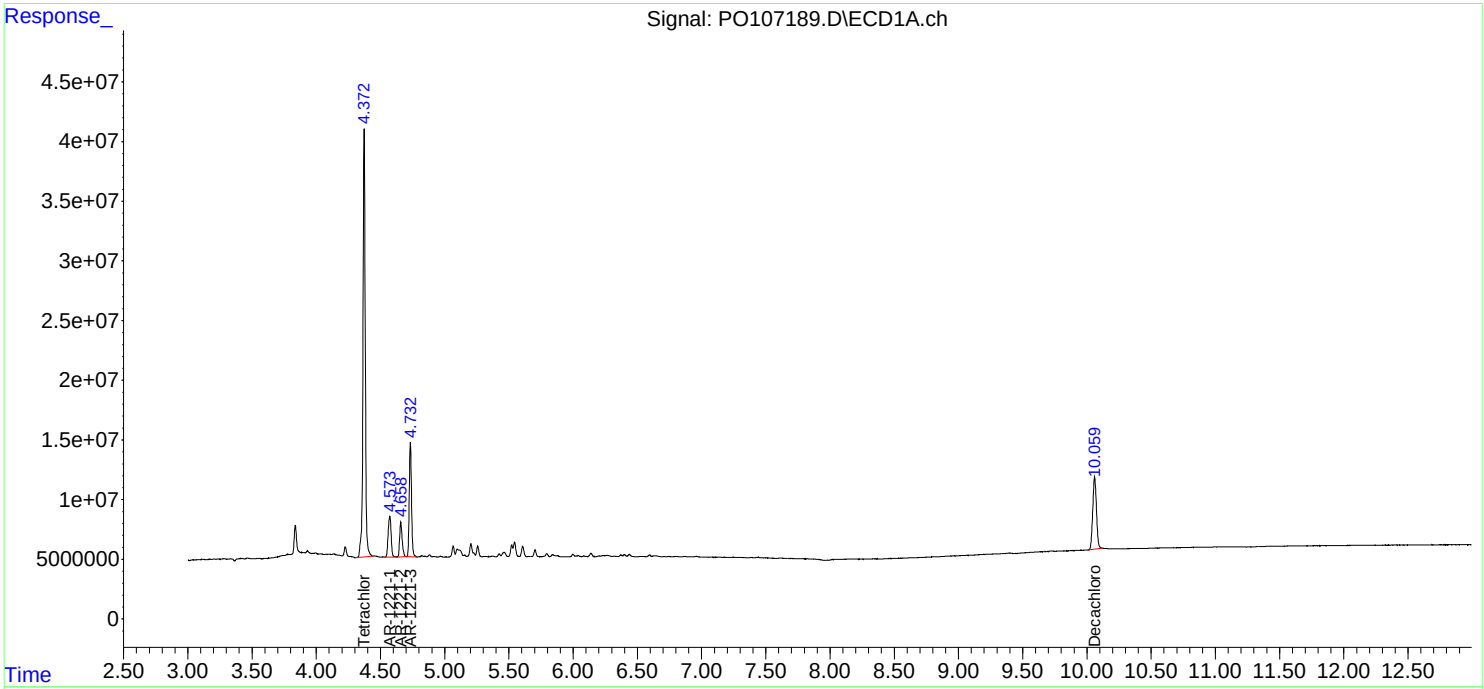
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

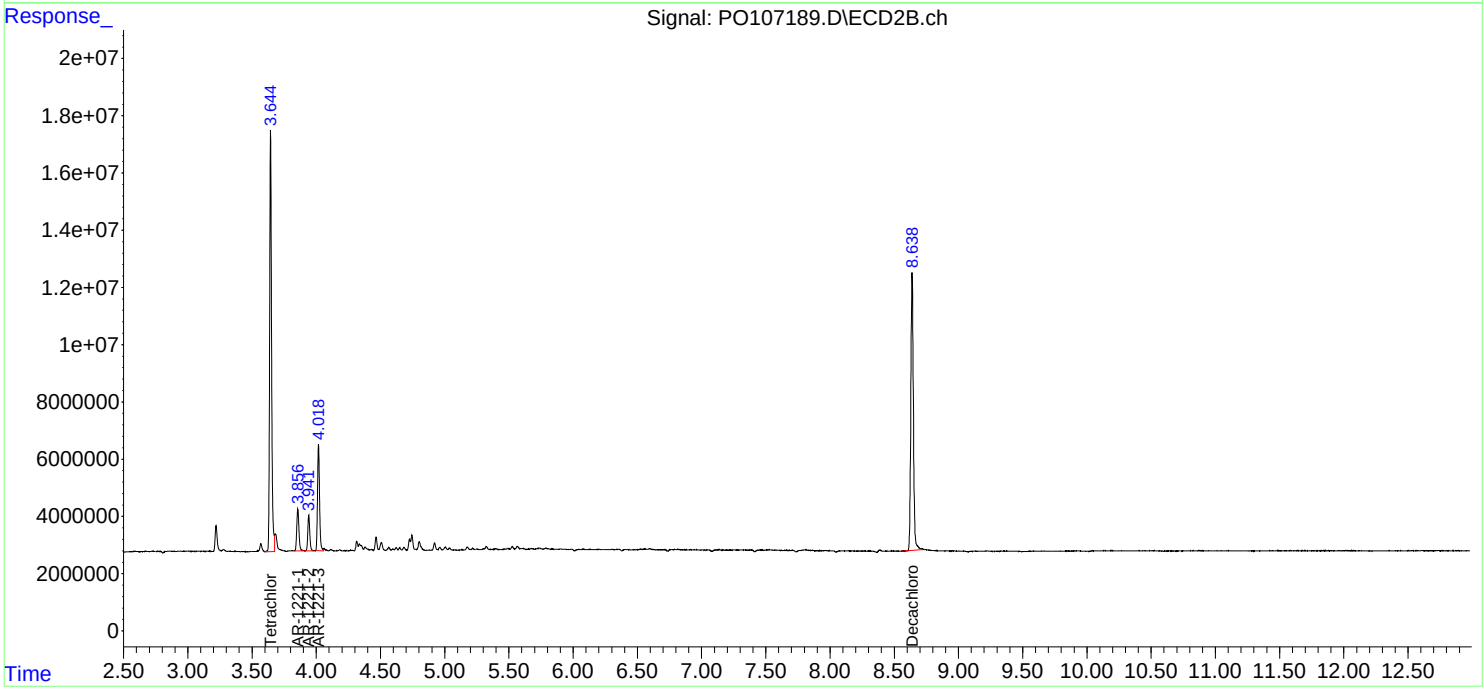
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

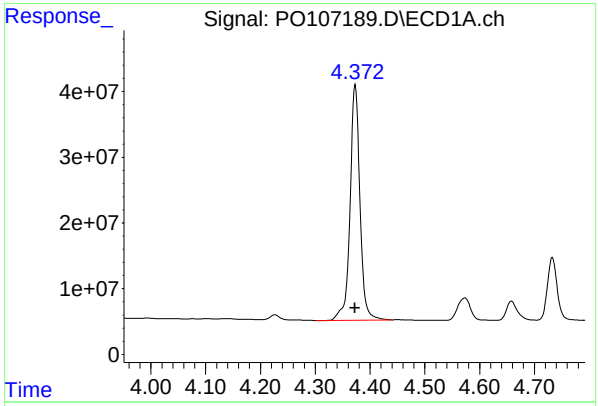
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



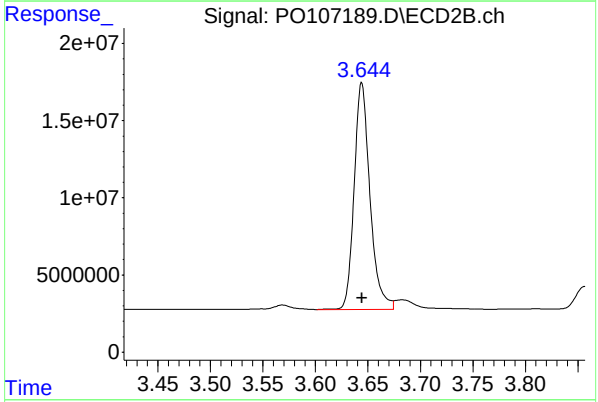




#1 Tetrachloro-m-xylene

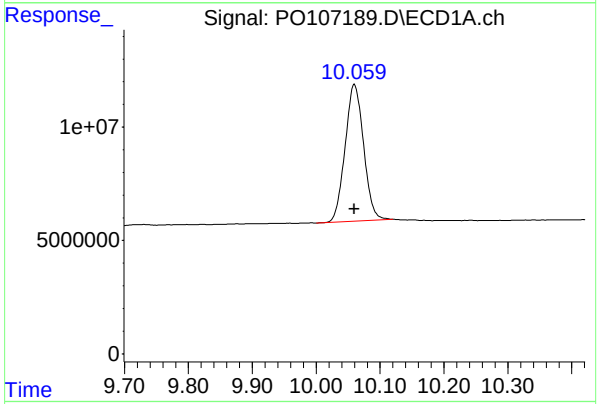
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 449133612
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



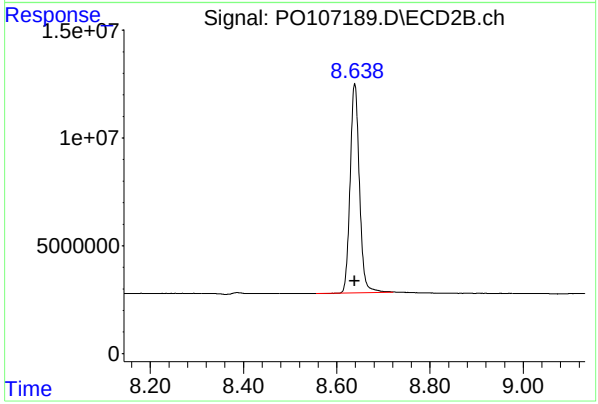
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 154054428
Conc: 50.00 ng/ml



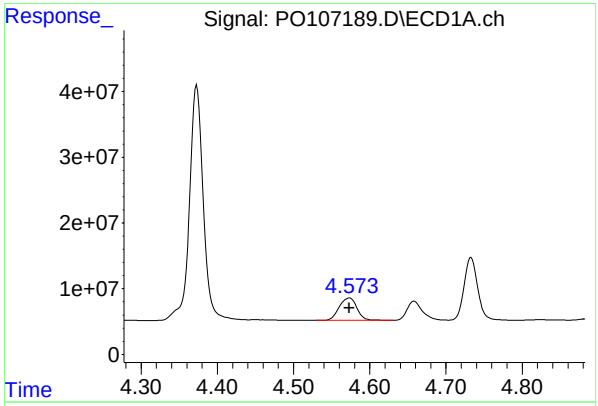
#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.000 min
Response: 121624498
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

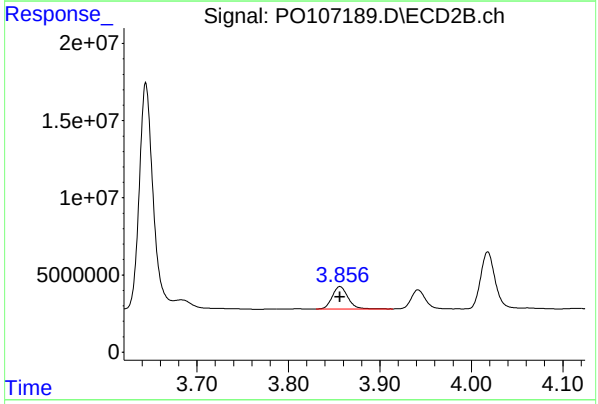
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 134768135
Conc: 50.00 ng/ml



#8 AR-1221-1

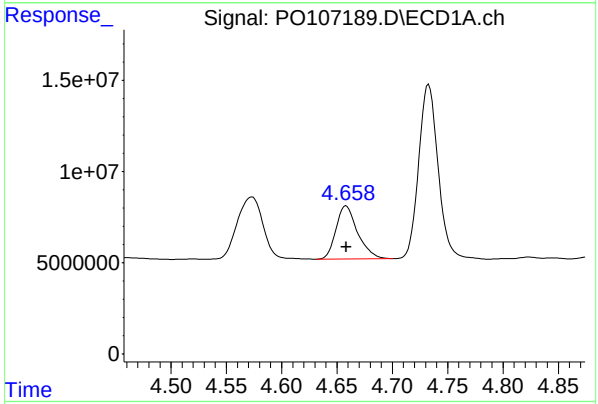
R.T.: 4.573 min
Delta R.T.: 0.000 min
Response: 55004944
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



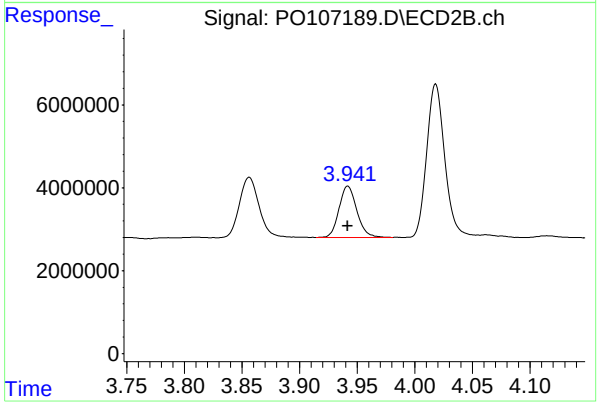
#8 AR-1221-1

R.T.: 3.856 min
Delta R.T.: 0.000 min
Response: 17447760
Conc: 500.00 ng/ml



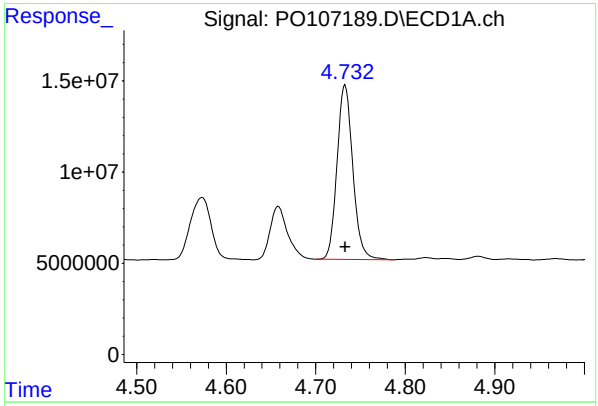
#9 AR-1221-2

R.T.: 4.658 min
Delta R.T.: 0.000 min
Response: 39418330
Conc: 500.00 ng/ml



#9 AR-1221-2

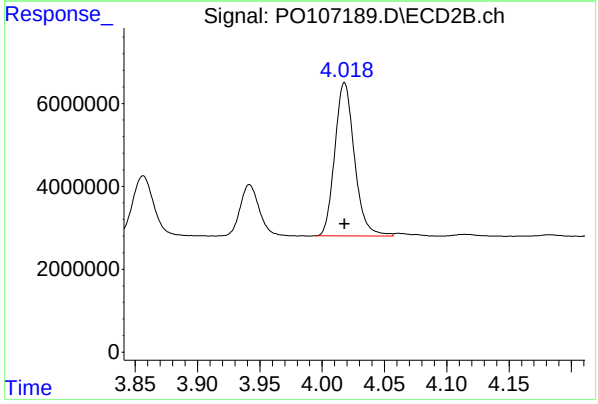
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 13312448
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 117049992
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 40609299
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
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: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.373	3.644	454.2E6	157.5E6	50.000	50.000
2) SA	Decachlor...	10.059	8.639	121.6E6	135.6E6	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	4.733	4.017	97921824	33663502	500.000	500.000
12) L3	AR-1232-2	5.258	4.745	51512576	31602645	500.000	500.000
13) L3	AR-1232-3	5.544	4.921	89500289	17237464	500.000	500.000
14) L3	AR-1232-4	5.704	5.004	45082743	15732978	500.000	500.000
15) L3	AR-1232-5	5.796	5.176	32951614	16541659	500.000	500.000

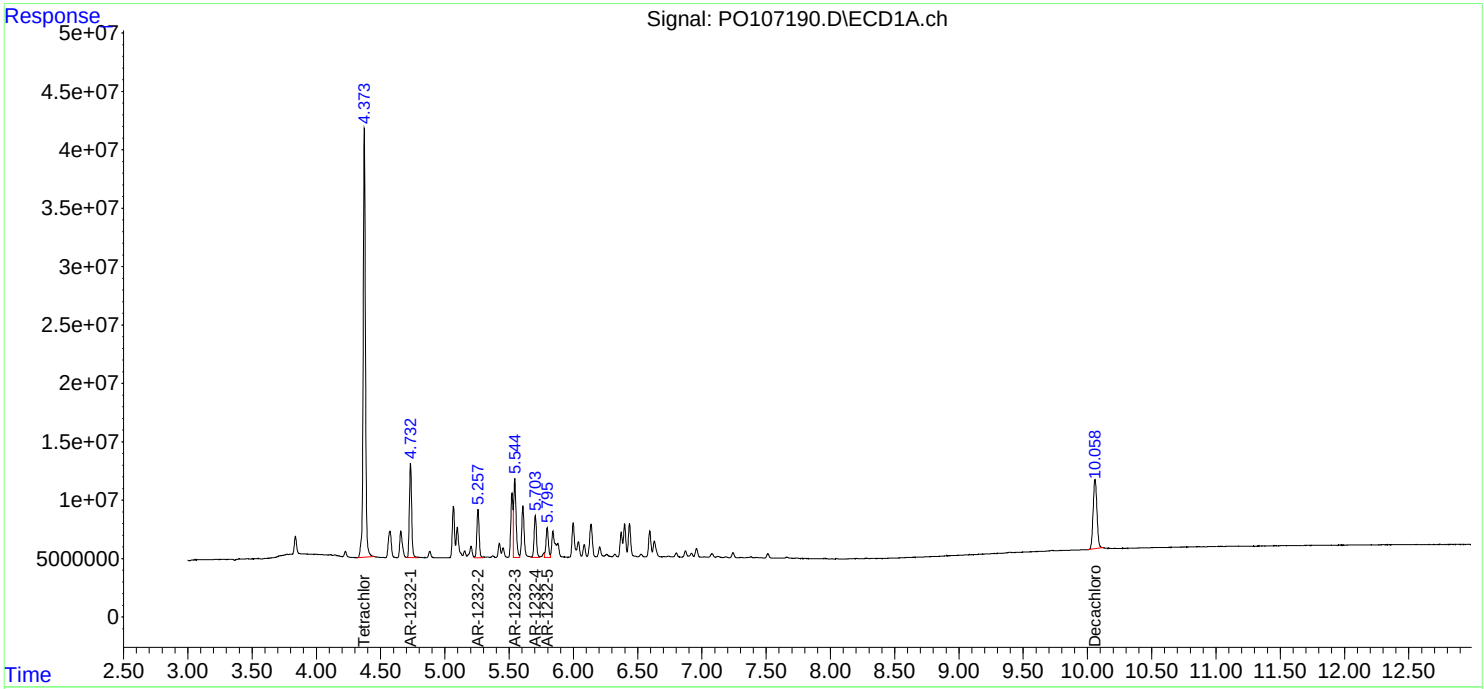
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

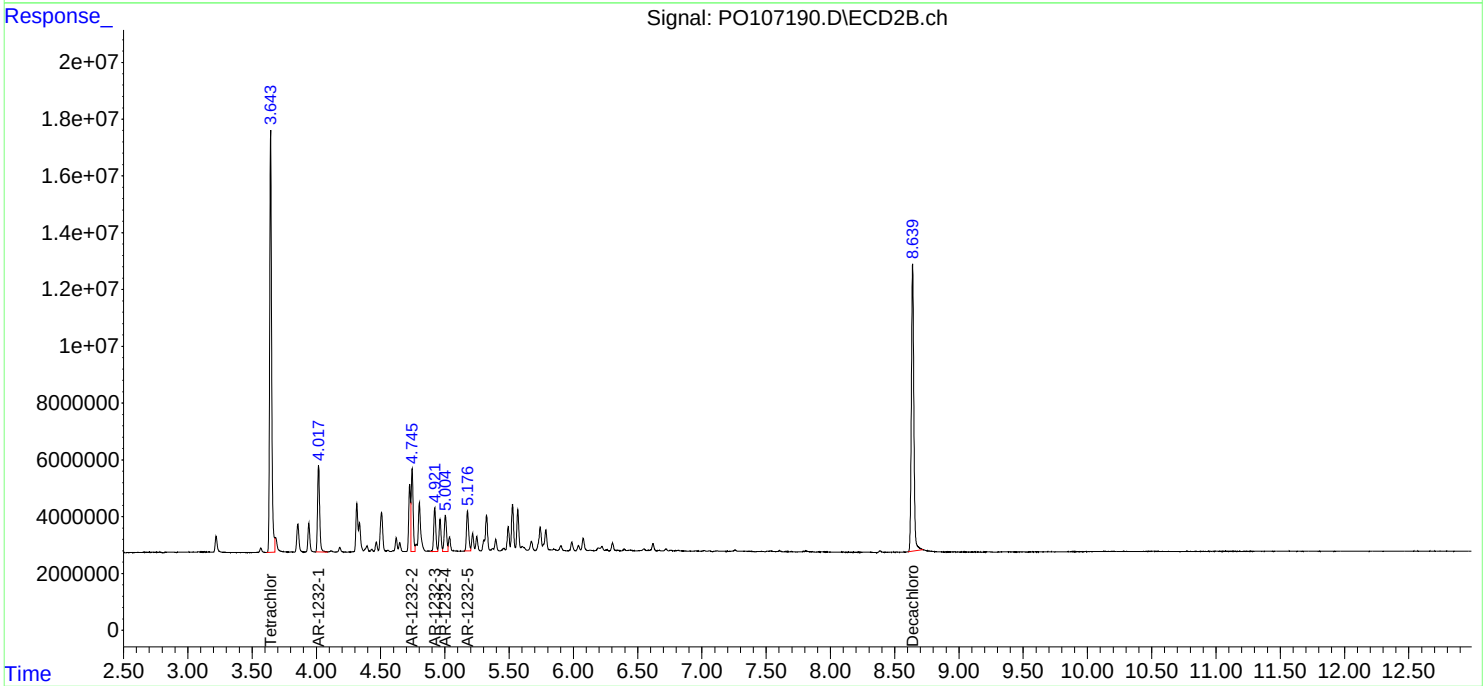
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

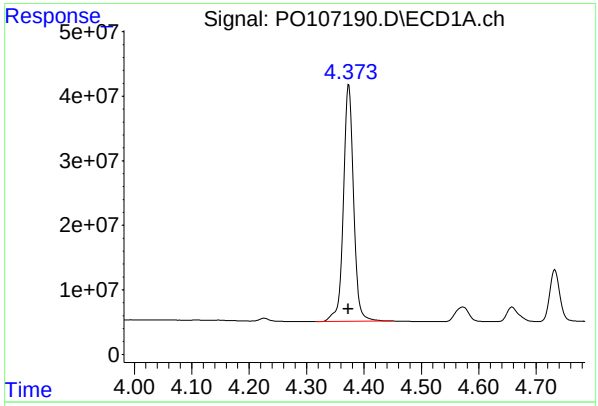
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



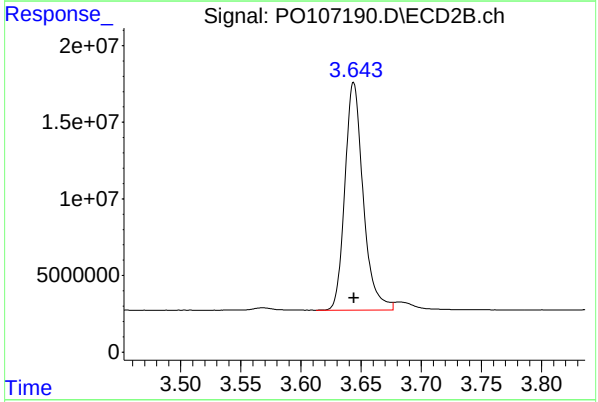




#1 Tetrachloro-m-xylene

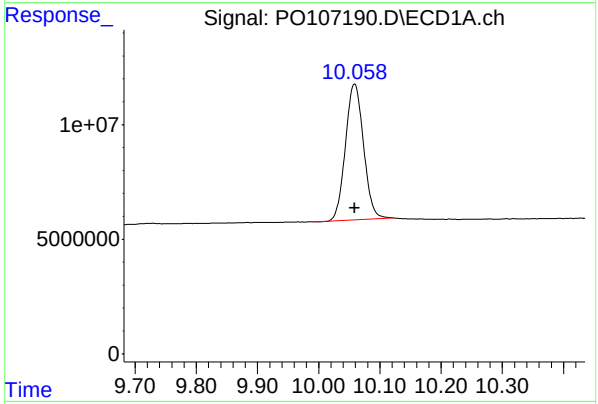
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 454164139
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



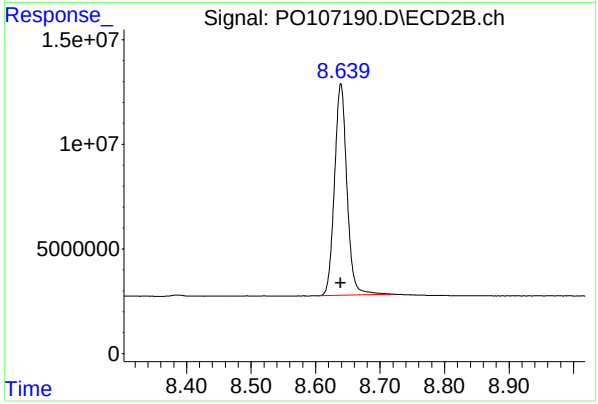
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 157500410
Conc: 50.00 ng/ml



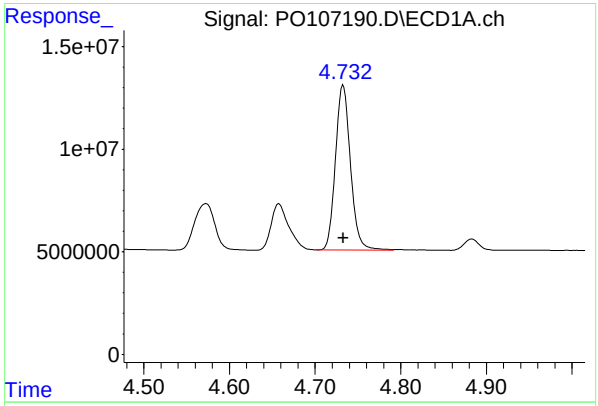
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 121597713
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

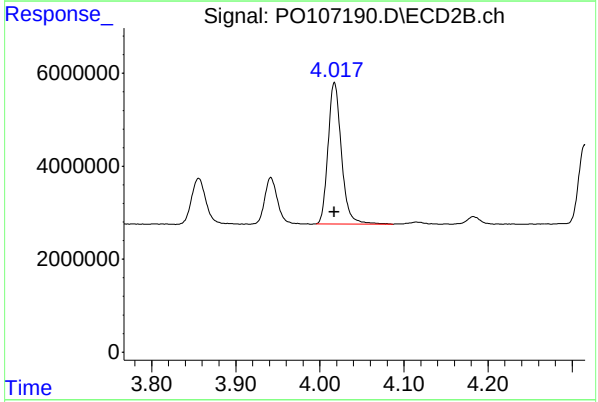
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 135573923
Conc: 50.00 ng/ml



#11 AR-1232-1

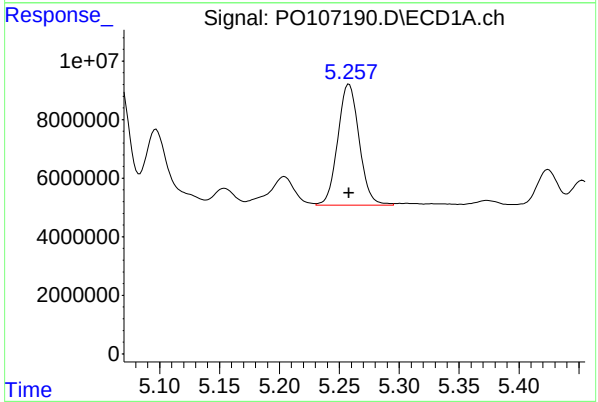
R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 97921824
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



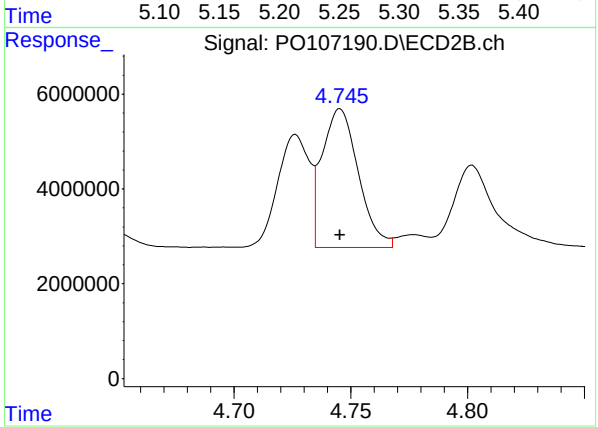
#11 AR-1232-1

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 33663502
Conc: 500.00 ng/ml



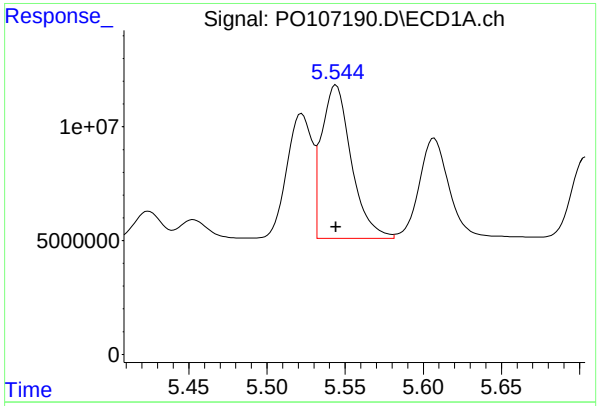
#12 AR-1232-2

R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 51512576
Conc: 500.00 ng/ml



#12 AR-1232-2

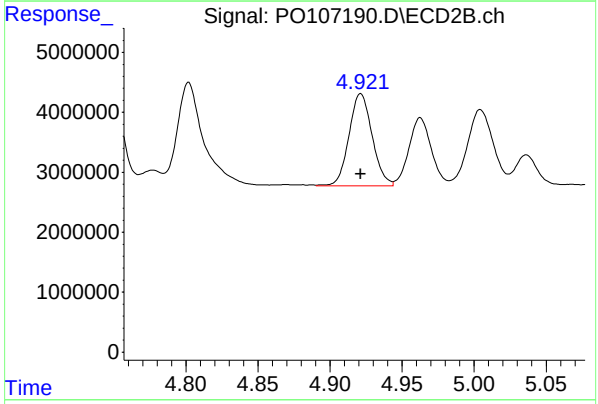
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 31602645
Conc: 500.00 ng/ml



#13 AR-1232-3

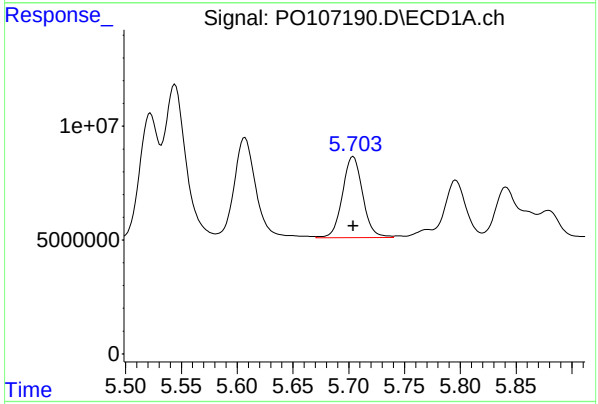
R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 89500289
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



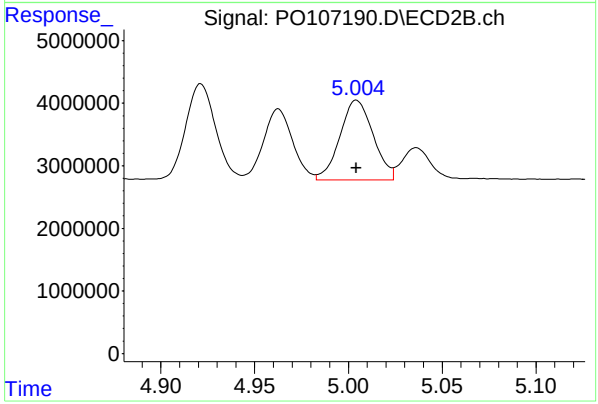
#13 AR-1232-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 17237464
Conc: 500.00 ng/ml



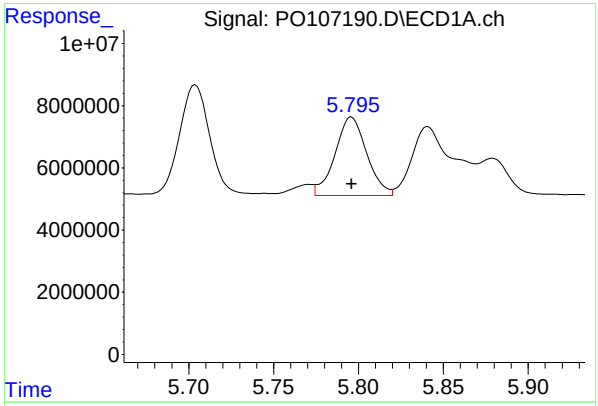
#14 AR-1232-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 45082743
Conc: 500.00 ng/ml



#14 AR-1232-4

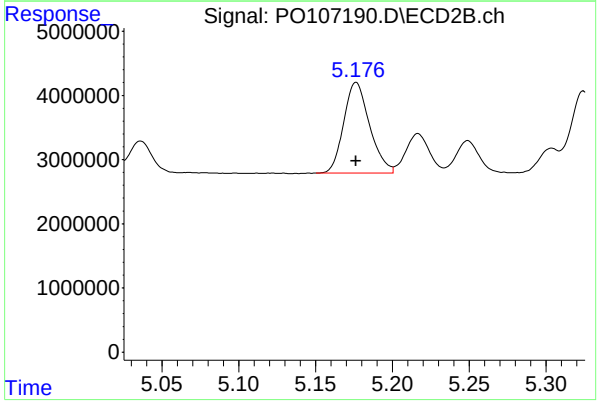
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 15732978
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 32951614
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 16541659
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
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: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	886.0E6	331.6E6	96.865	99.238
2)	SA Decachlor...	10.061	8.638	233.9E6	268.7E6	93.851	97.198
	Target Compounds						
16)	L4 AR-1242-1	5.522	4.726	207.9E6	80390662	935.818	957.741
17)	L4 AR-1242-2	5.545	4.745	302.4E6	114.5E6	934.753	972.360
18)	L4 AR-1242-3	5.607	4.921	191.9E6	61817452	915.447	959.943
19)	L4 AR-1242-4	5.704	5.004	150.4E6	60582529	924.137	940.948
20)	L4 AR-1242-5	6.437	5.526	141.0E6	73763103	917.497	955.284

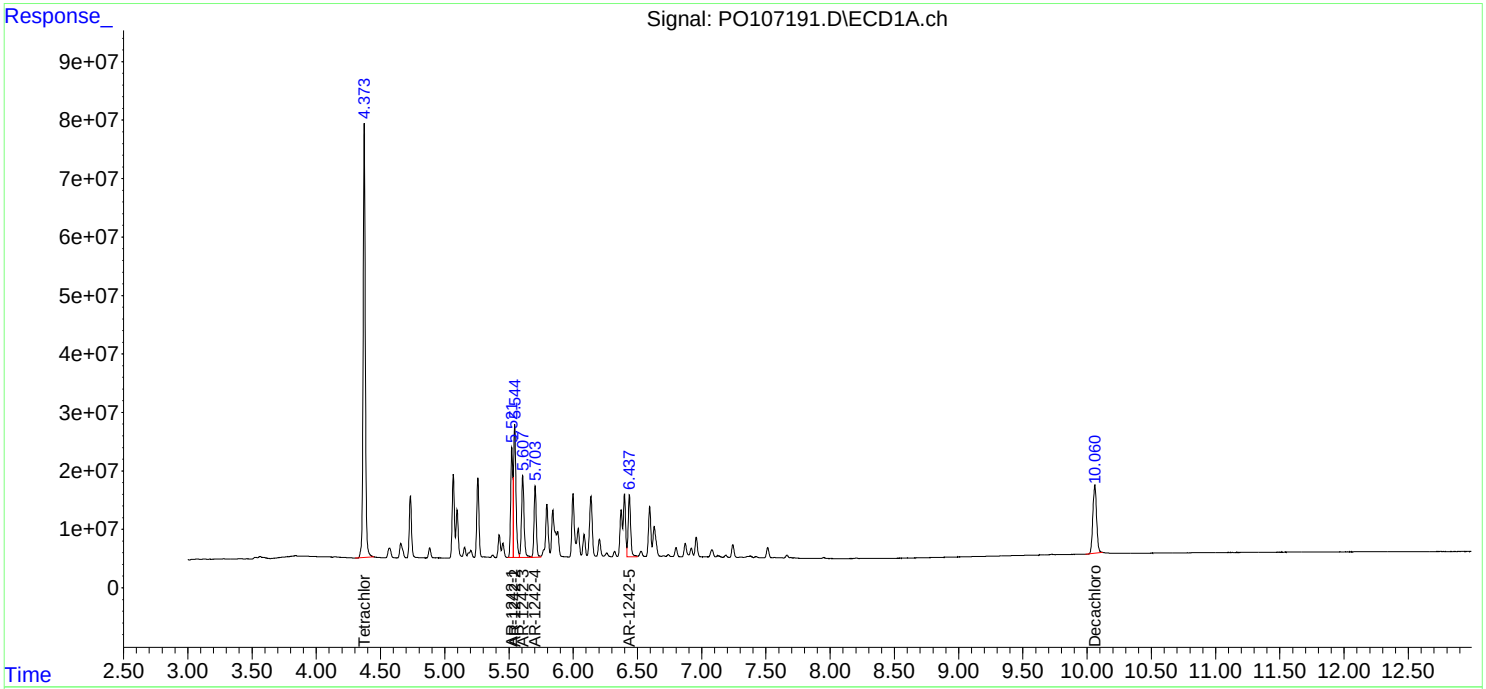
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

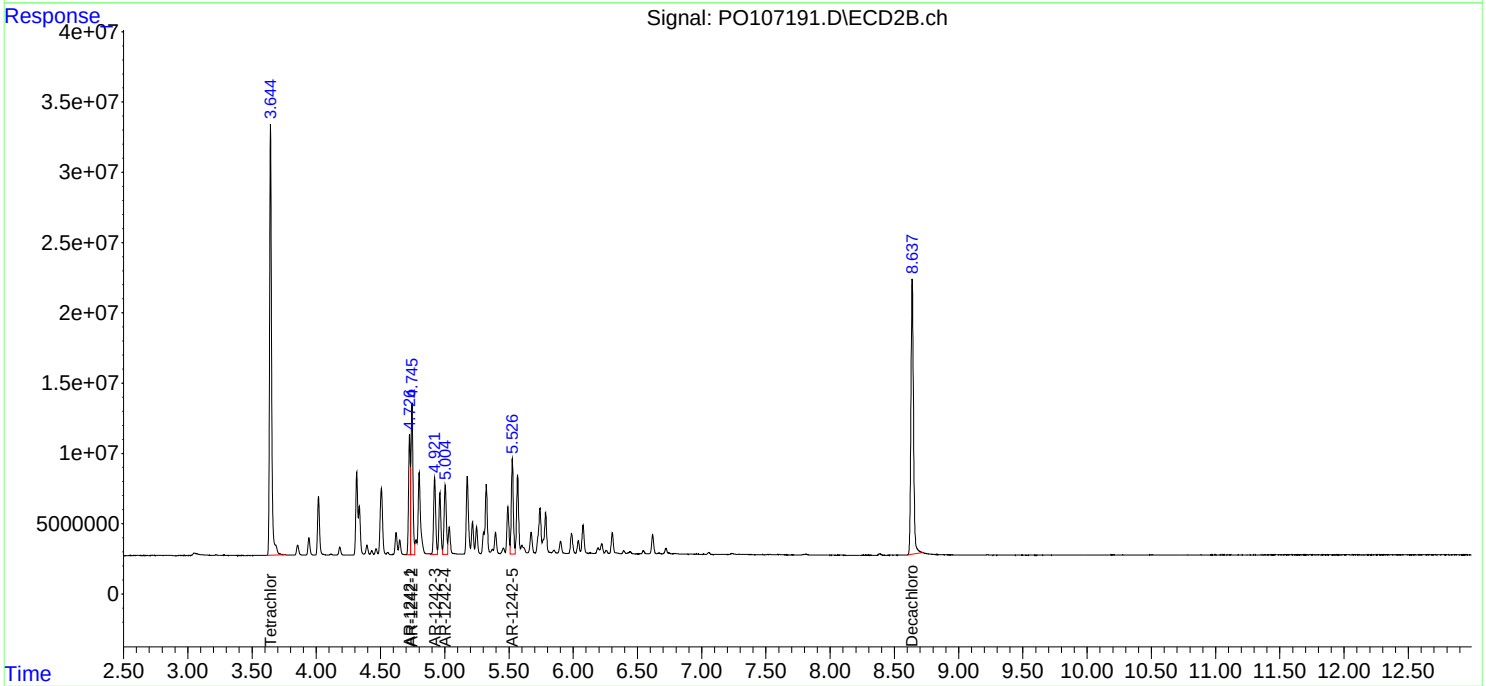
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

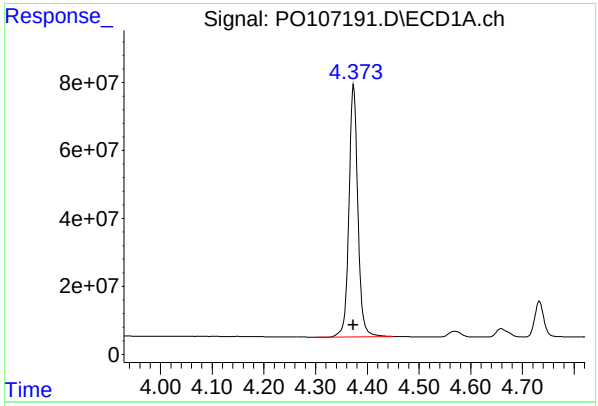
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



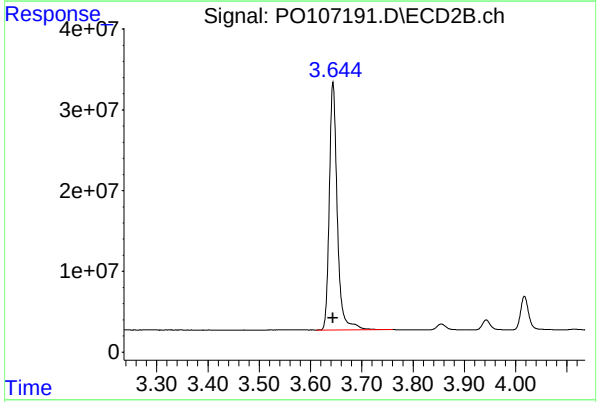




#1 Tetrachloro-m-xylene

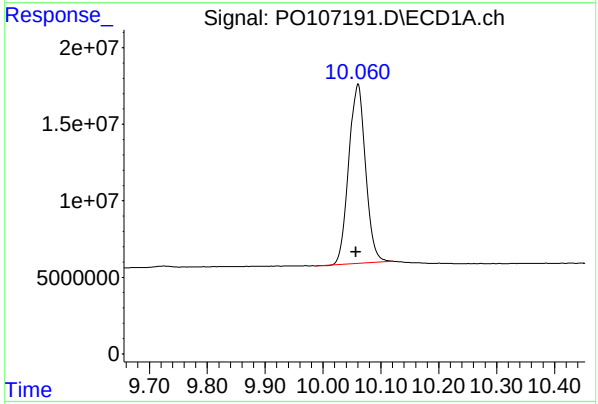
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 886004362
Conc: 96.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



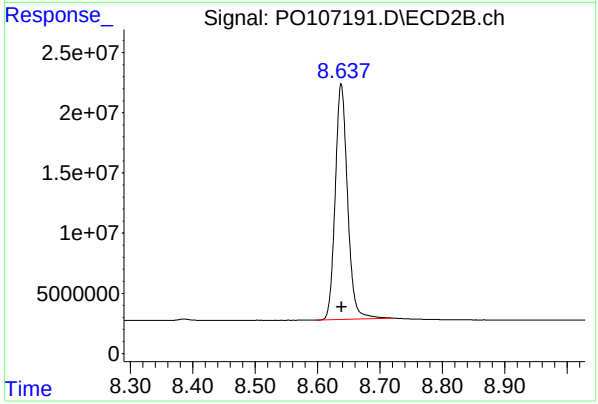
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 331572468
Conc: 99.24 ng/ml



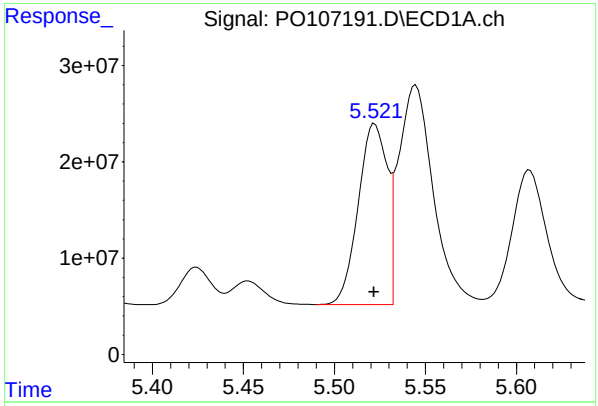
#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.003 min
Response: 233942035
Conc: 93.85 ng/ml



#2 Decachlorobiphenyl

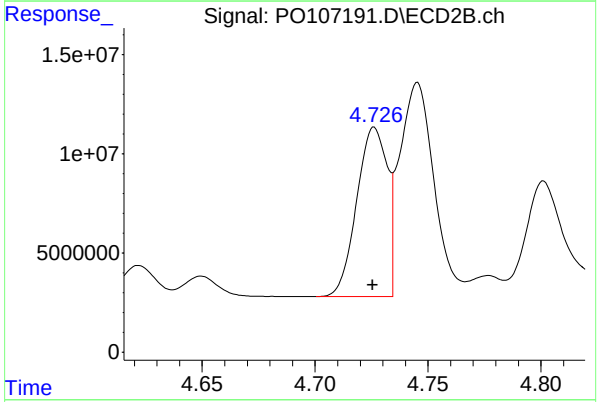
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 268698532
Conc: 97.20 ng/ml



#16 AR-1242-1

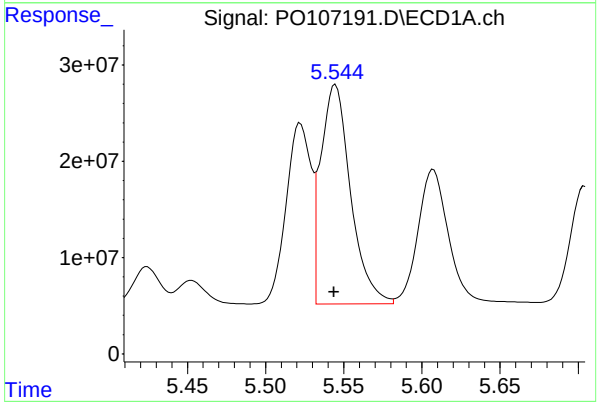
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 207947063
Conc: 935.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



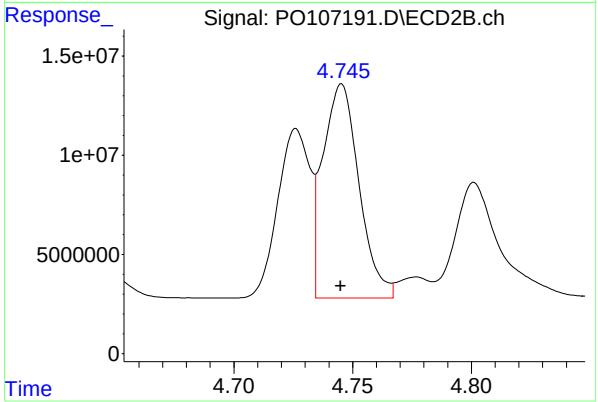
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 80390662
Conc: 957.74 ng/ml



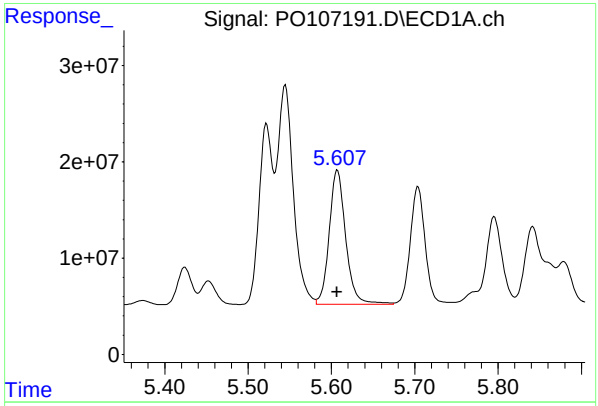
#17 AR-1242-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 302439626
Conc: 934.75 ng/ml



#17 AR-1242-2

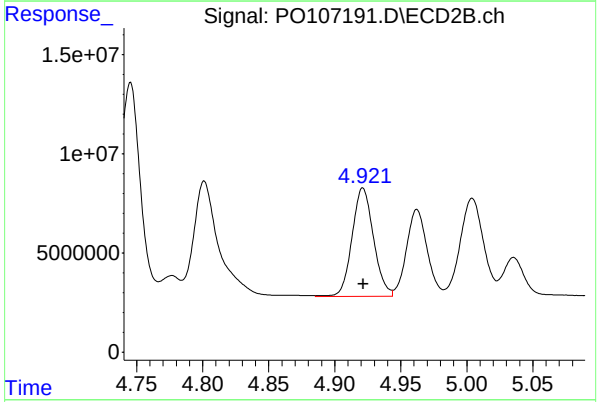
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 114487494
Conc: 972.36 ng/ml



#18 AR-1242-3

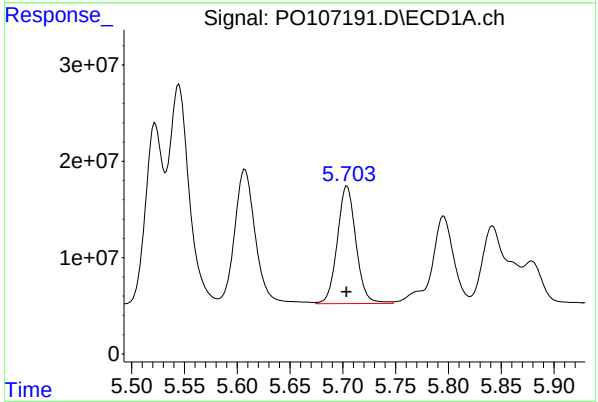
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 191912697
Conc: 915.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



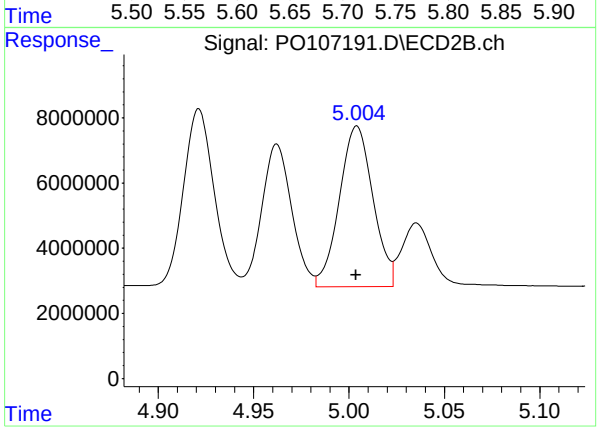
#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 61817452
Conc: 959.94 ng/ml



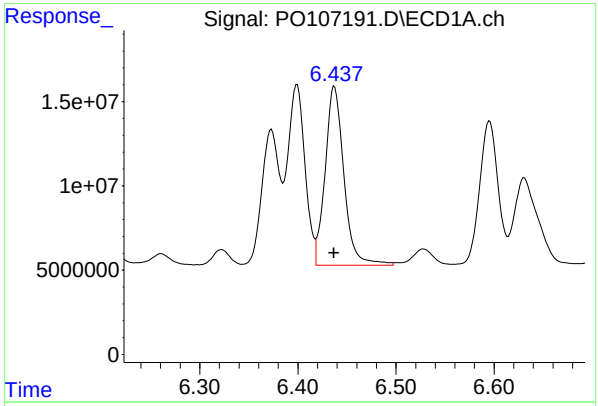
#19 AR-1242-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 150447174
Conc: 924.14 ng/ml



#19 AR-1242-4

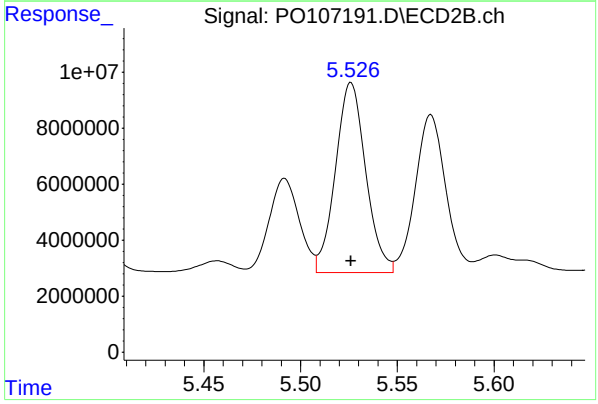
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 60582529
Conc: 940.95 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 141009343
Conc: 917.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 73763103
Conc: 955.28 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
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: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	648.9E6	243.1E6	70.941	72.772
2)	SA Decachlor...	10.059	8.639	182.1E6	207.3E6	73.046	74.999
	Target Compounds						
16)	L4 AR-1242-1	5.521	4.726	154.2E6	60335620	693.850	718.814
17)	L4 AR-1242-2	5.544	4.746	225.0E6	83449803	695.293	708.752
18)	L4 AR-1242-3	5.606	4.922	144.9E6	45346429	691.114	704.170
19)	L4 AR-1242-4	5.703	5.005	109.0E6	45477164	669.566	706.336
20)	L4 AR-1242-5	6.437	5.526	107.6E6	56756574	699.831	735.037

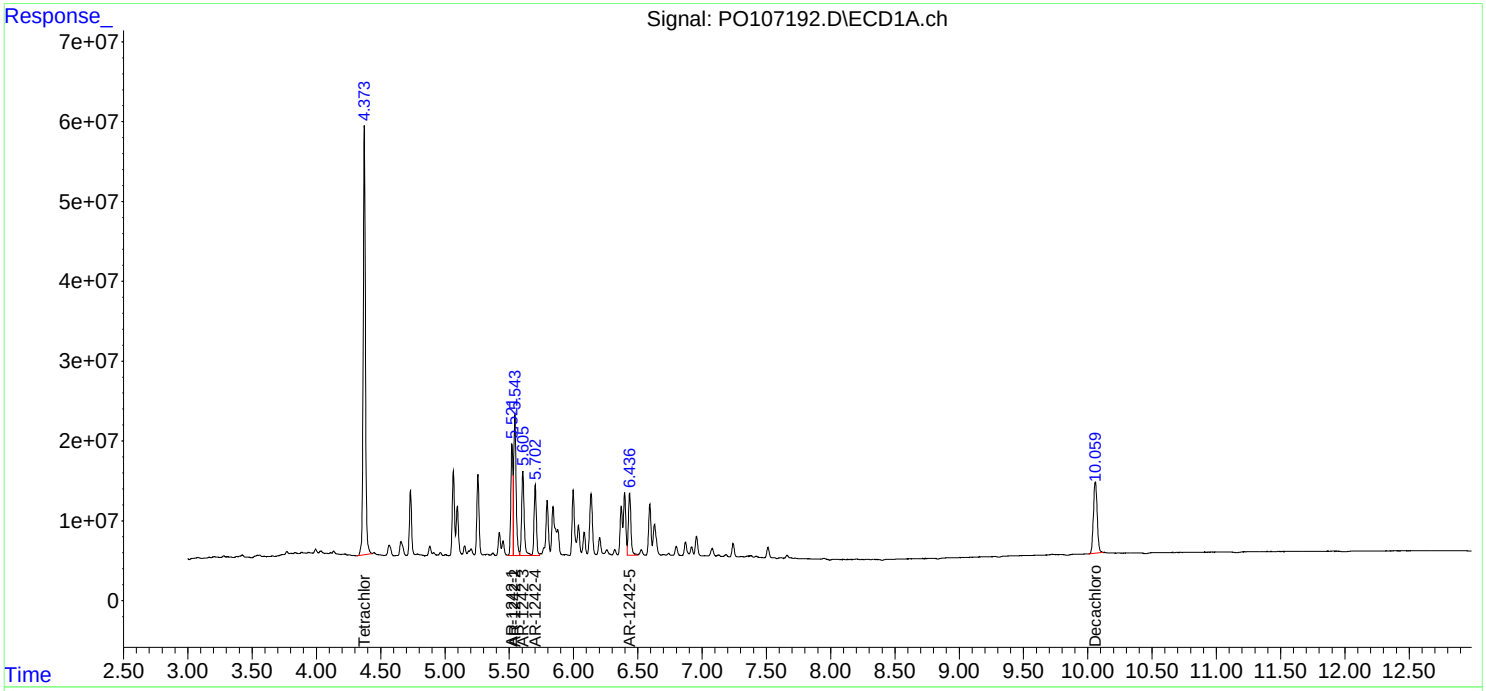
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

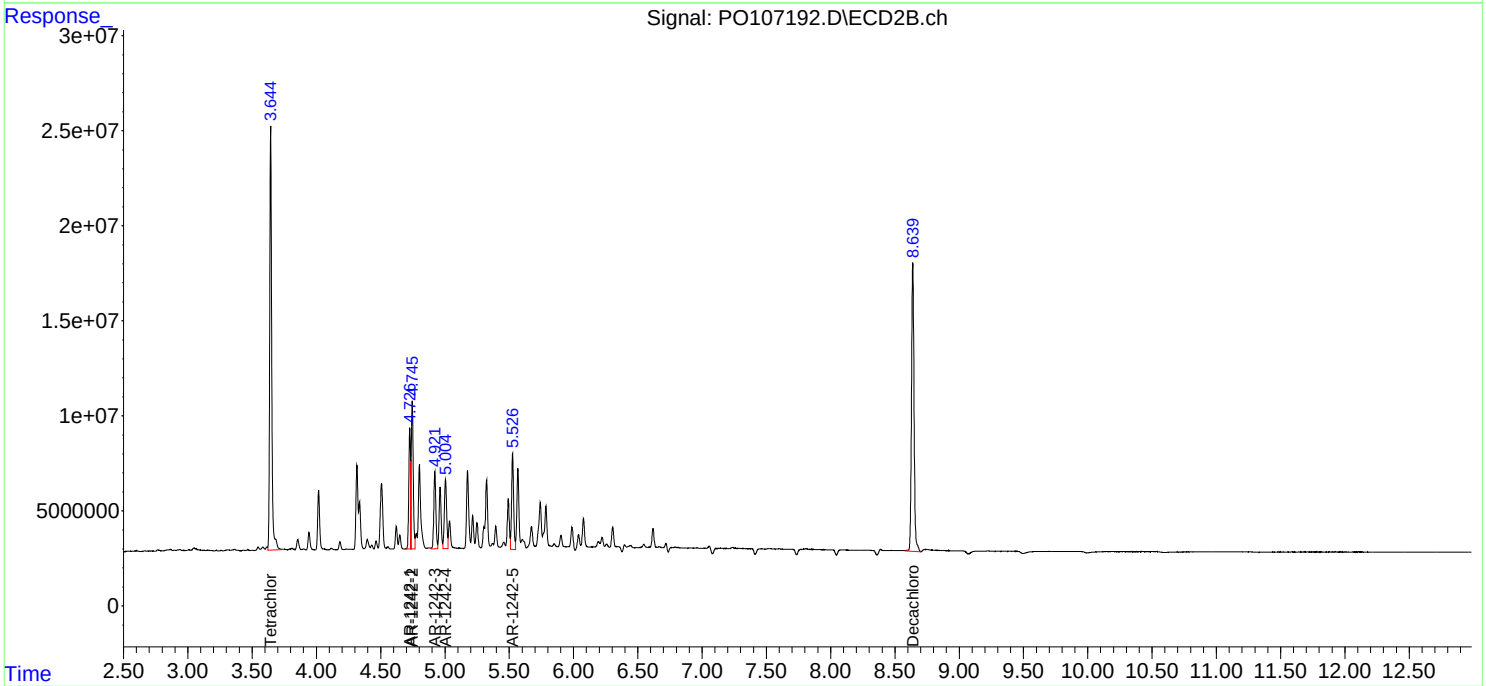
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

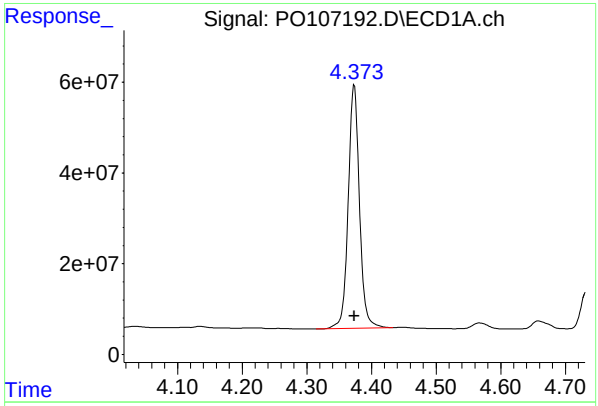
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



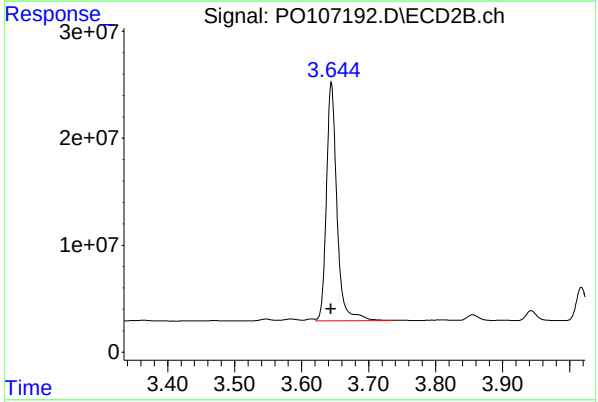




#1 Tetrachloro-m-xylene

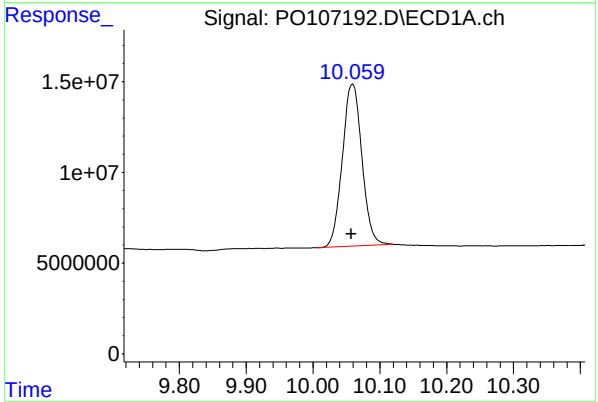
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 648880776
Conc: 70.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



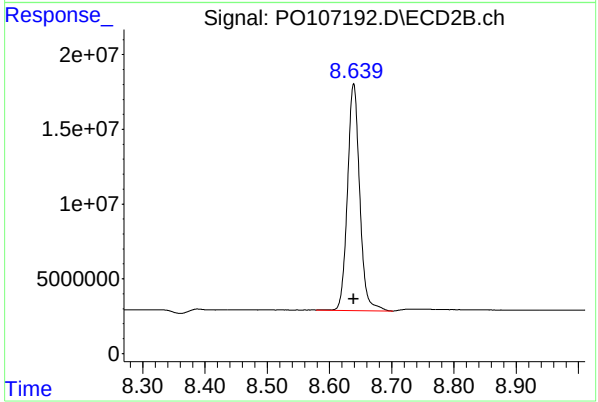
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 243146149
Conc: 72.77 ng/ml



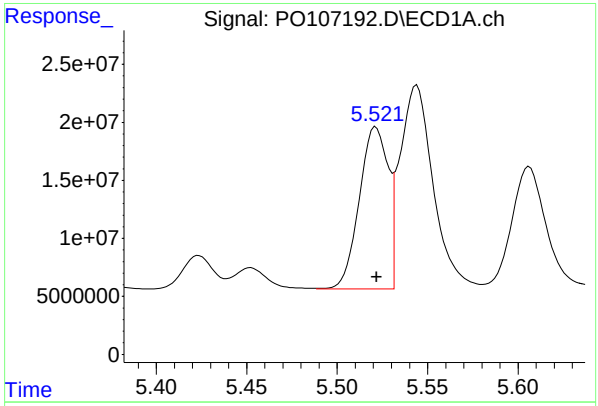
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.002 min
Response: 182080715
Conc: 73.05 ng/ml



#2 Decachlorobiphenyl

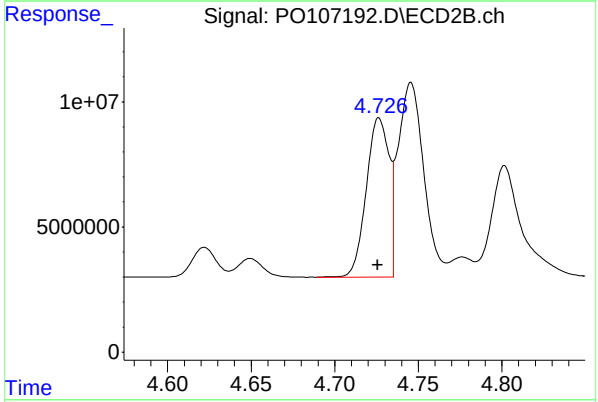
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 207331371
Conc: 75.00 ng/ml



#16 AR-1242-1

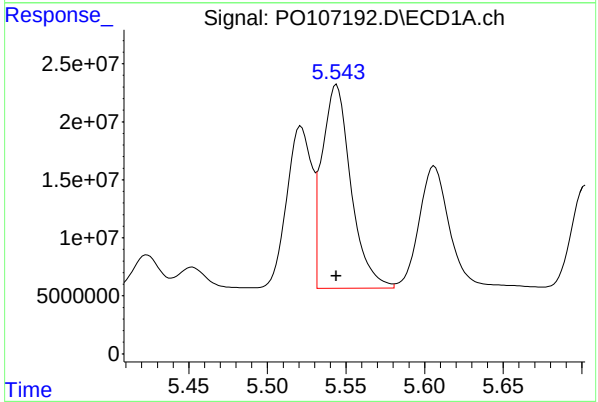
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 154179687
Conc: 693.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



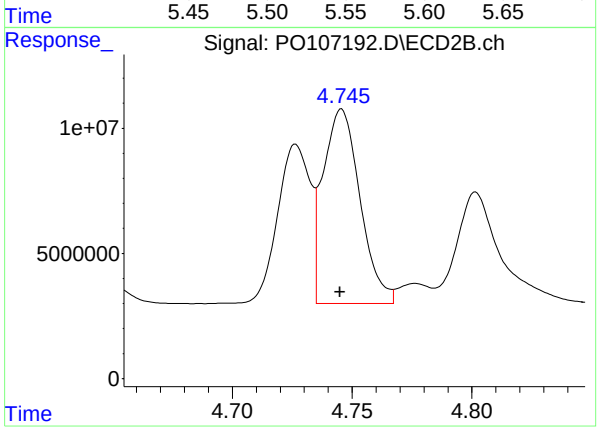
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 60335620
Conc: 718.81 ng/ml



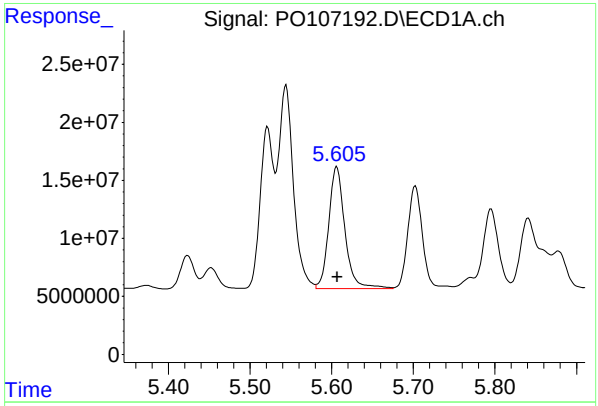
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 224962212
Conc: 695.29 ng/ml



#17 AR-1242-2

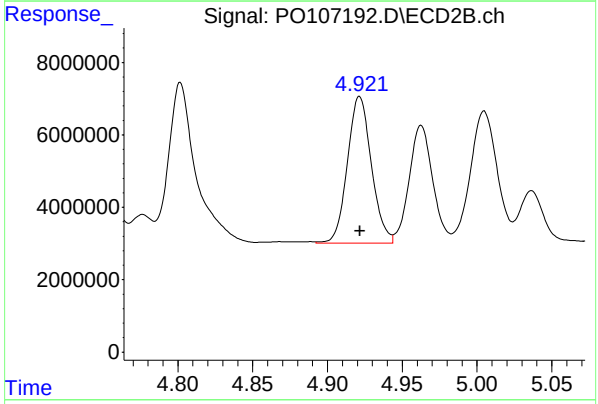
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 83449803
Conc: 708.75 ng/ml



#18 AR-1242-3

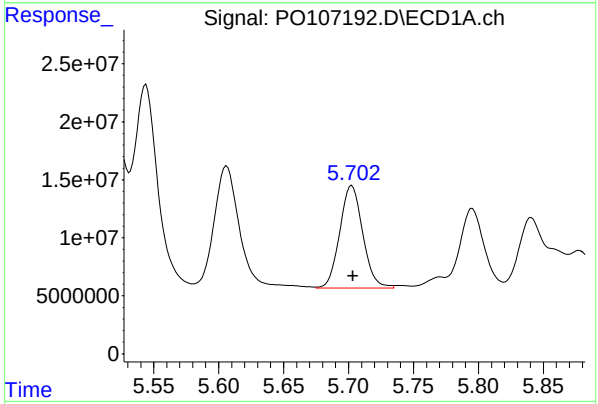
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 144883820
Conc: 691.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



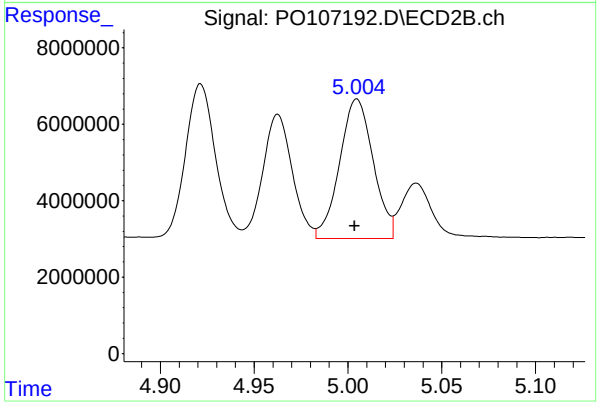
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 45346429
Conc: 704.17 ng/ml



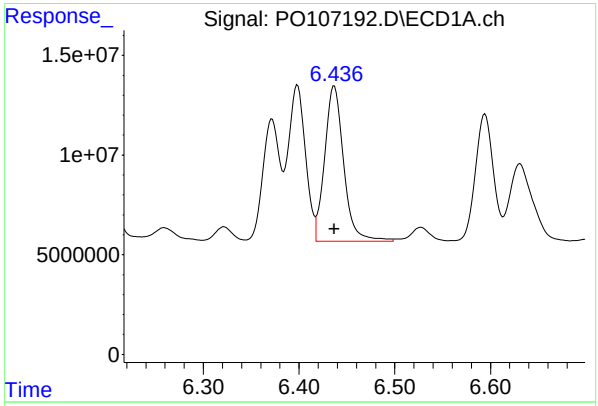
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 109003647
Conc: 669.57 ng/ml



#19 AR-1242-4

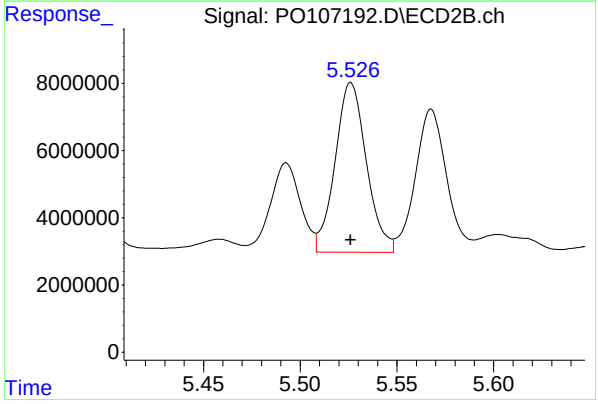
R.T.: 5.005 min
Delta R.T.: 0.001 min
Response: 45477164
Conc: 706.34 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 107556327
Conc: 699.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 56756574
Conc: 735.04 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
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: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	457.3E6	167.1E6	50.000	50.000
2)	SA Decachlor...	10.057	8.639	124.6E6	138.2E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.522	4.726	111.1E6	41968881	500.000	500.000
17)	L4 AR-1242-2	5.544	4.745	161.8E6	58870958	500.000	500.000
18)	L4 AR-1242-3	5.607	4.922	104.8E6	32198496	500.000	500.000
19)	L4 AR-1242-4	5.703	5.004	81398754	32192297	500.000	500.000
20)	L4 AR-1242-5	6.437	5.526	76844549	38607958	500.000	500.000

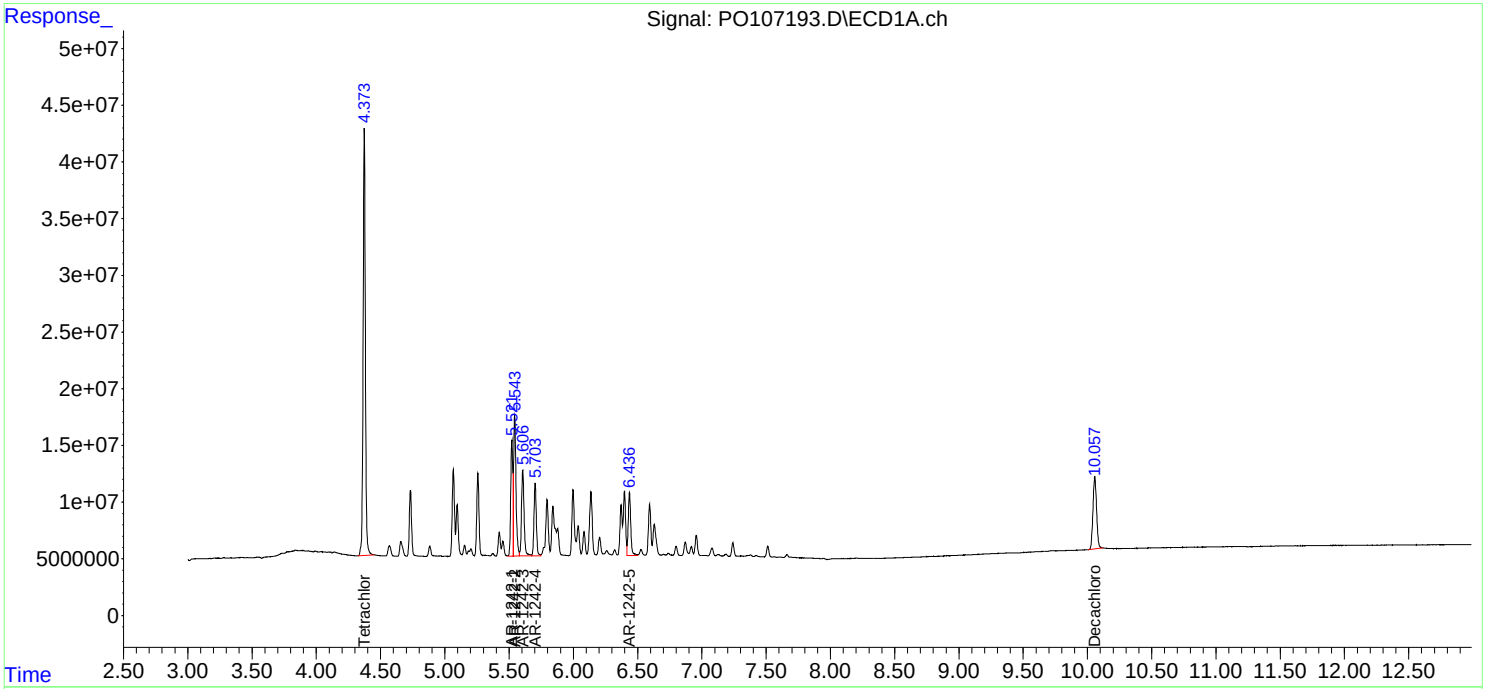
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

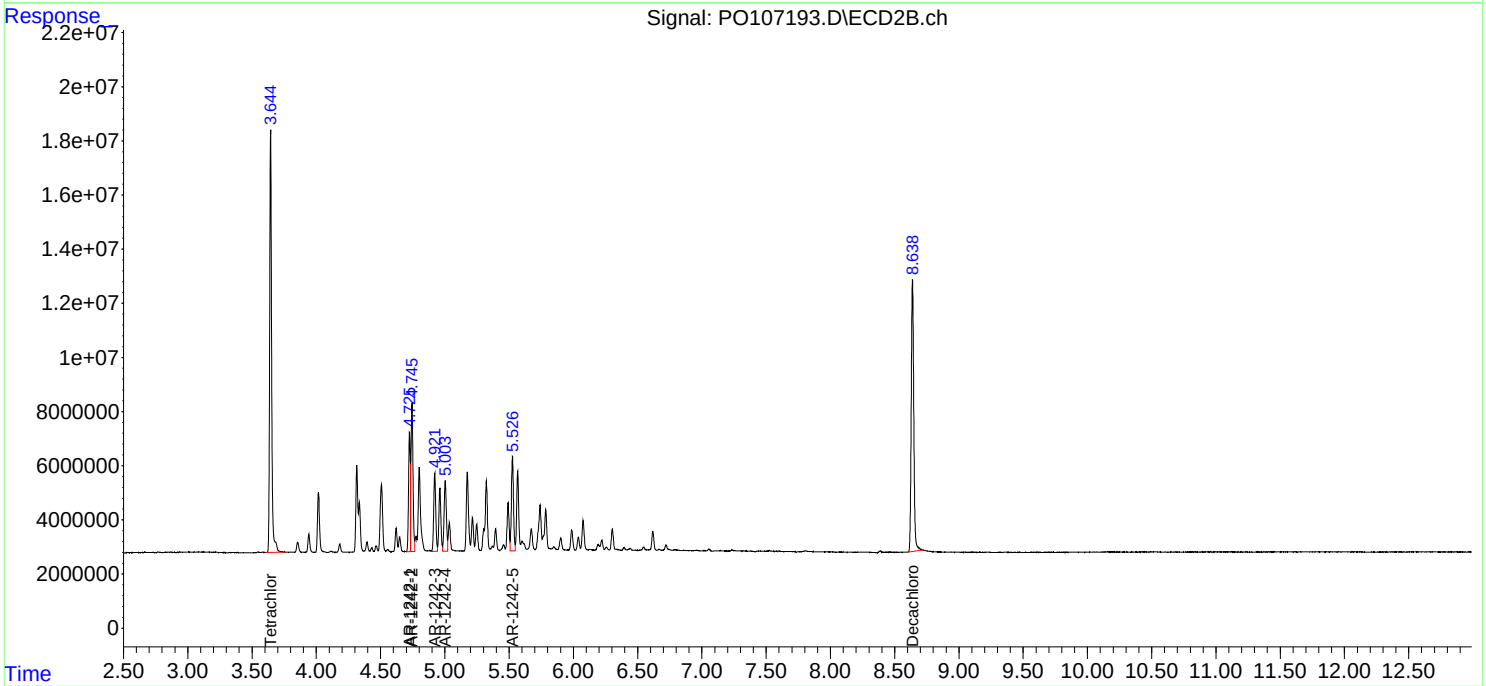
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

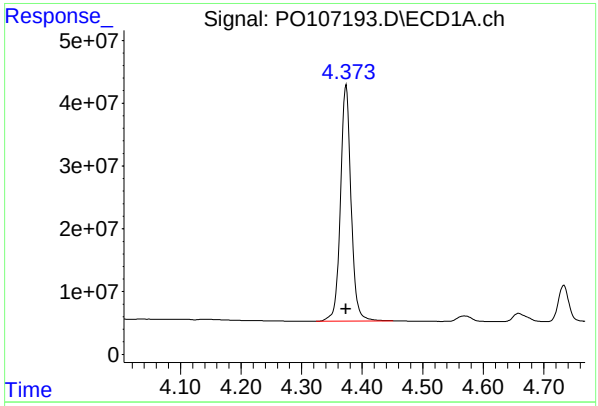
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



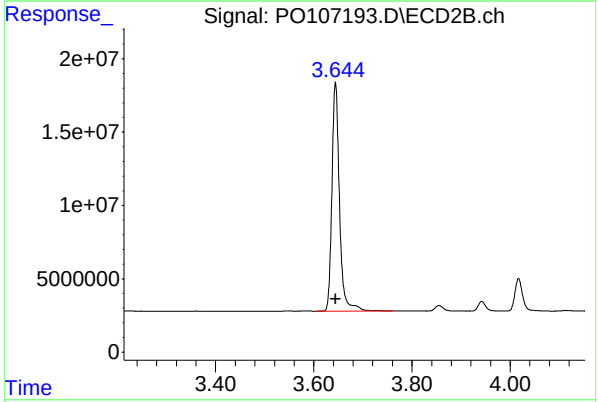




#1 Tetrachloro-m-xylene

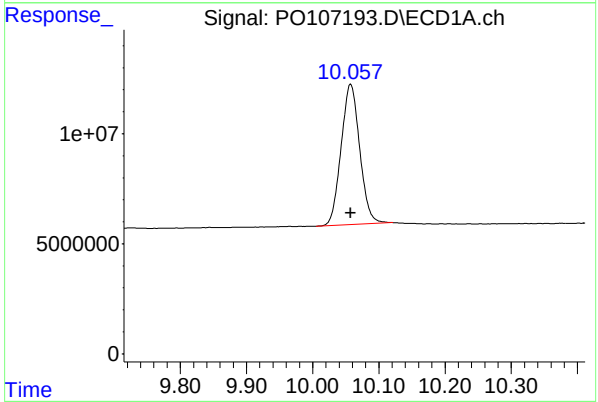
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 457339208
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



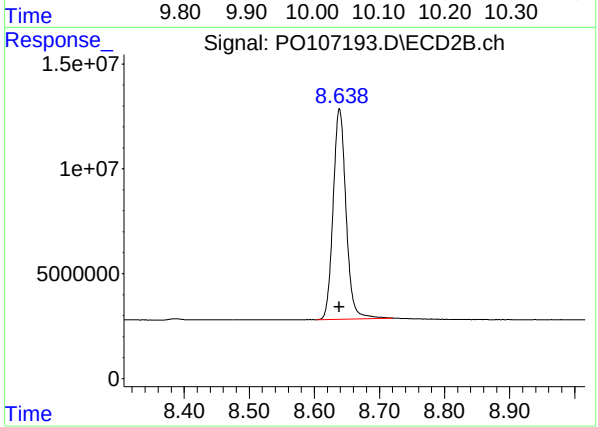
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 167059902
Conc: 50.00 ng/ml



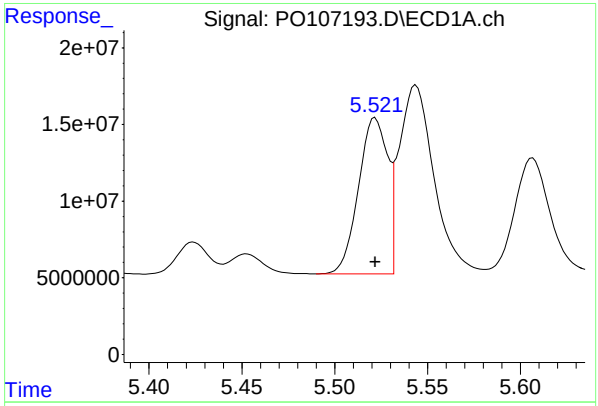
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 124635042
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

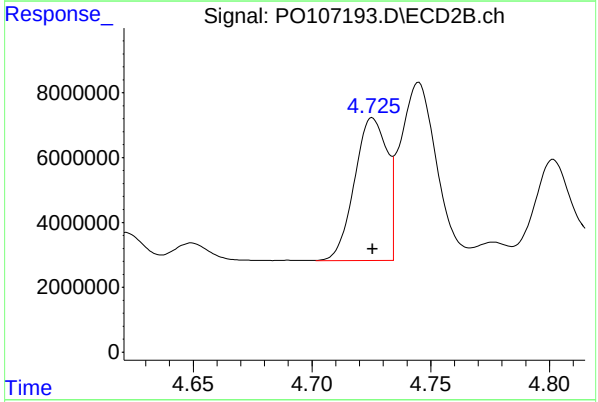
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 138221839
Conc: 50.00 ng/ml



#16 AR-1242-1

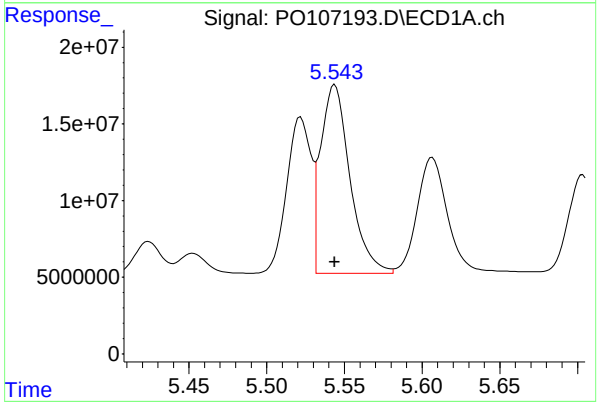
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 111104404
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



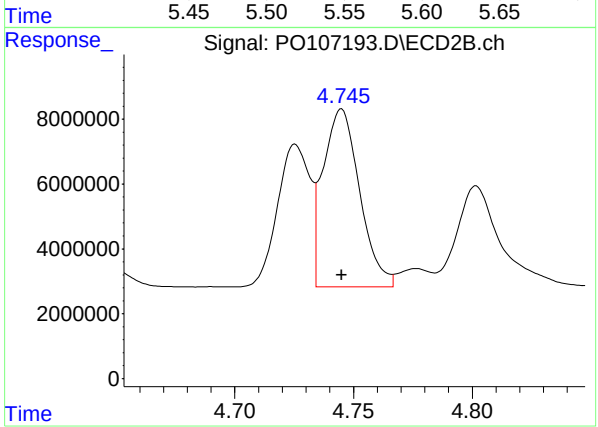
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 41968881
Conc: 500.00 ng/ml



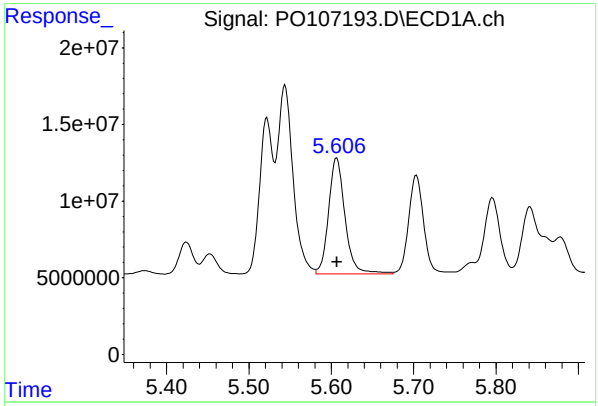
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 161775206
Conc: 500.00 ng/ml



#17 AR-1242-2

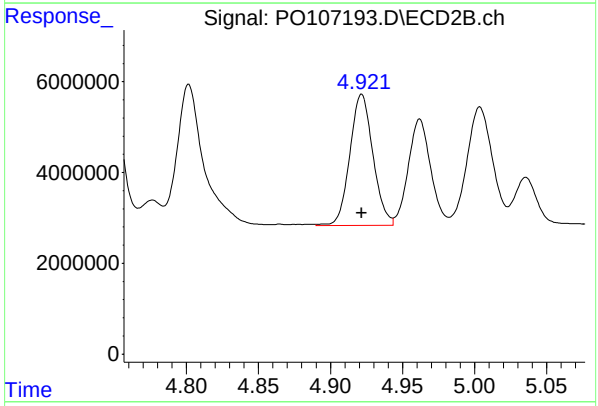
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 58870958
Conc: 500.00 ng/ml



#18 AR-1242-3

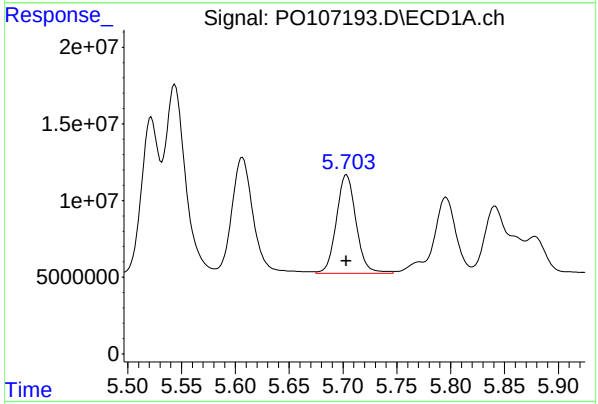
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 104819076
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



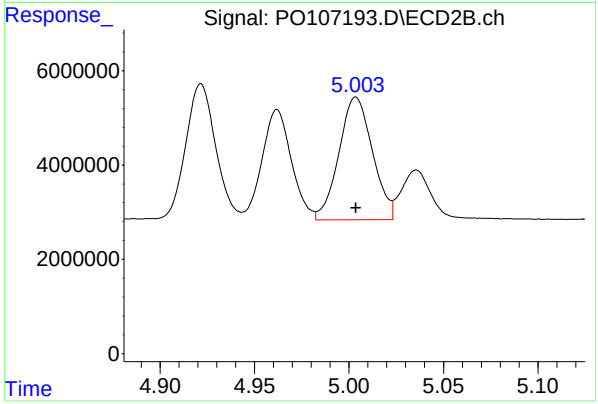
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 32198496
Conc: 500.00 ng/ml



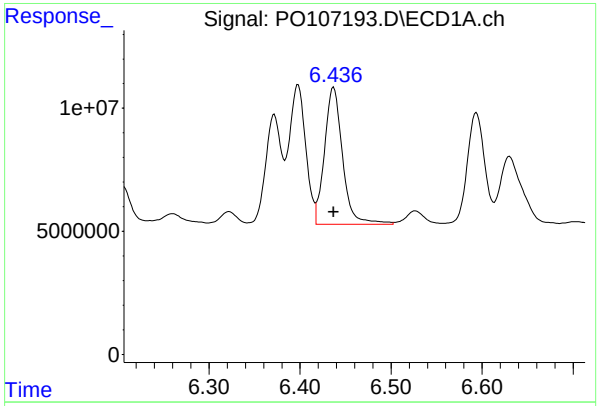
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 81398754
Conc: 500.00 ng/ml



#19 AR-1242-4

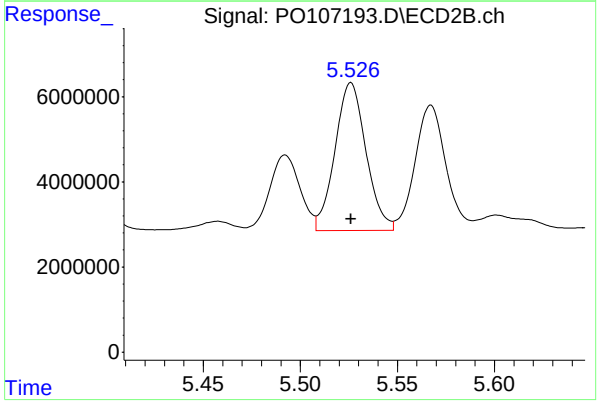
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 32192297
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 76844549
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 38607958
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
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: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.645	237.6E6	83389360	25.977	24.958
2)	SA Decachlor...	10.057	8.639	63795685	69963548	25.593	25.308
	Target Compounds						
16)	L4 AR-1242-1	5.522	4.727	59739114	21816724	268.842	259.915
17)	L4 AR-1242-2	5.544	4.746	85701102	30166778	264.877	256.211
18)	L4 AR-1242-3	5.607	4.922	56076682	16716467	267.493	259.585
19)	L4 AR-1242-4	5.703	5.005	43283991	17011315	265.876	264.214
20)	L4 AR-1242-5	6.437	5.526	41155754	20184132	267.786	261.399

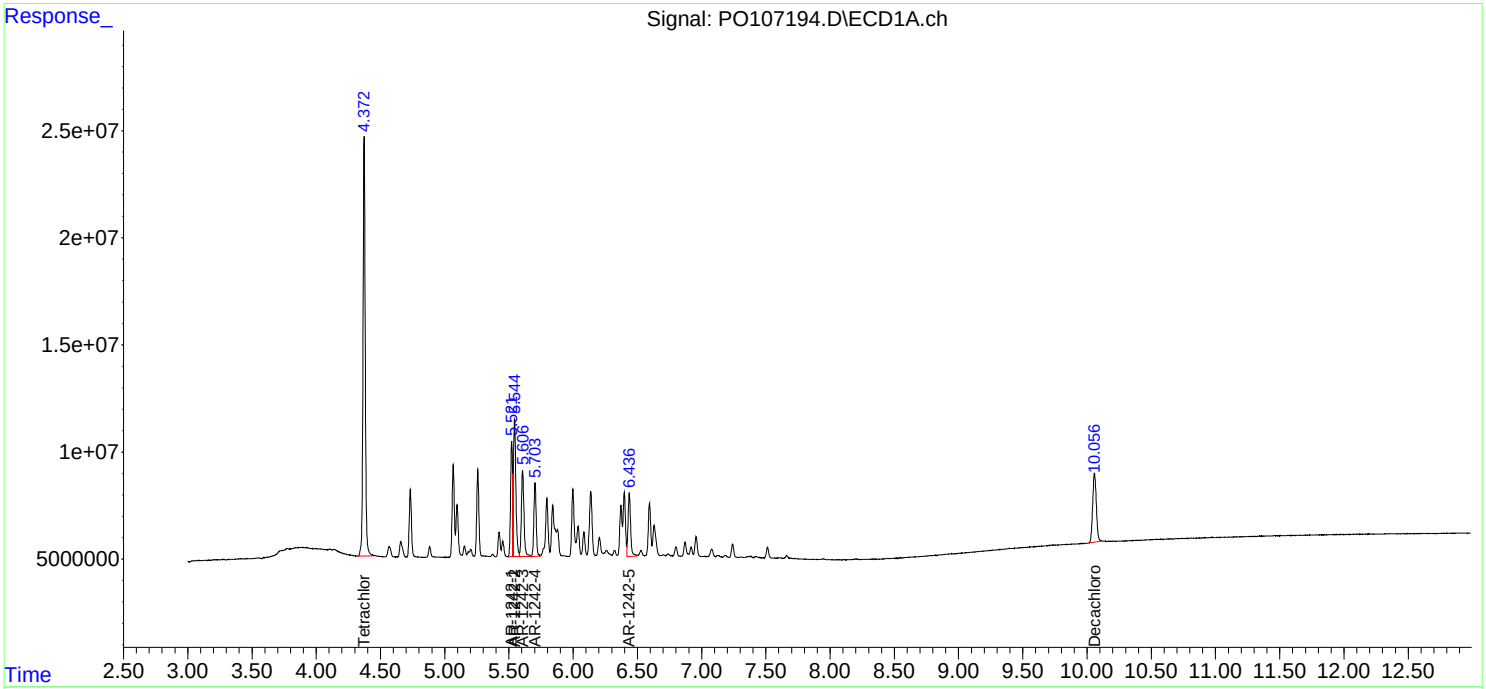
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

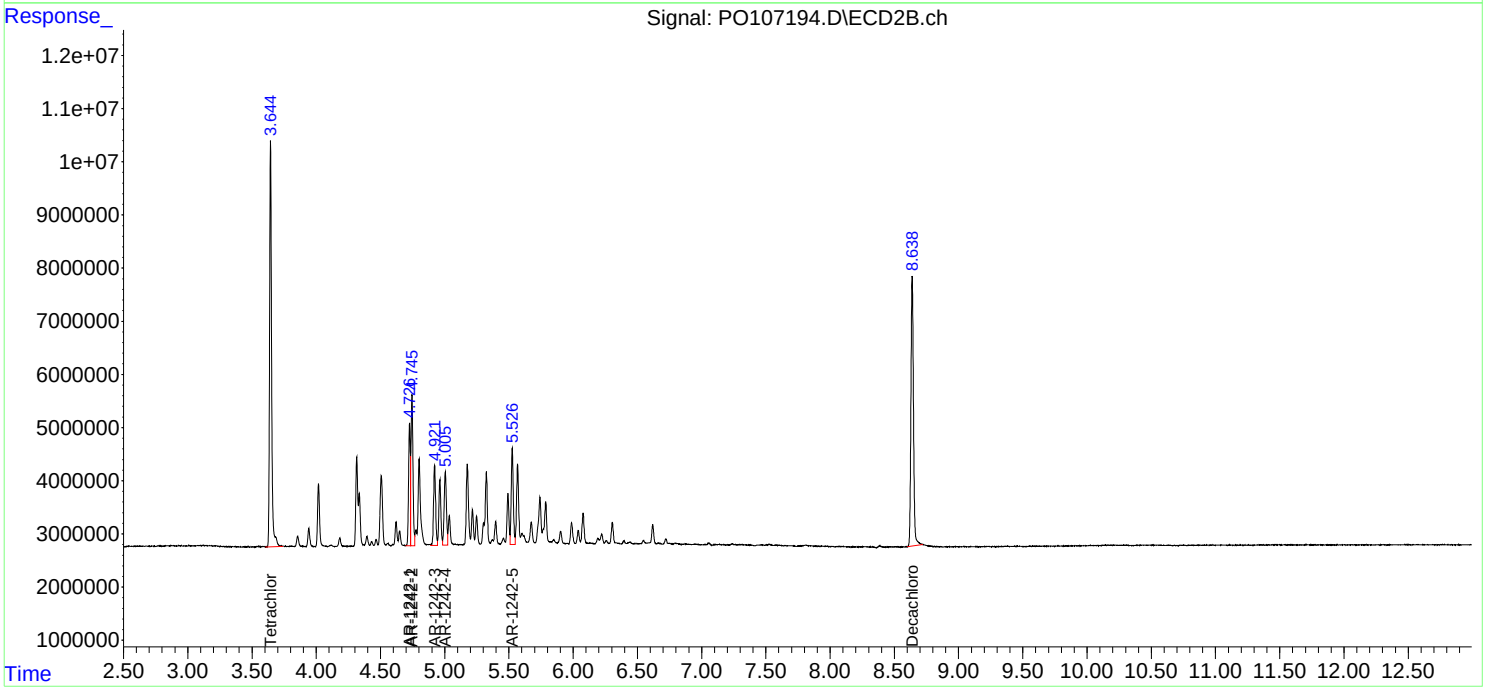
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

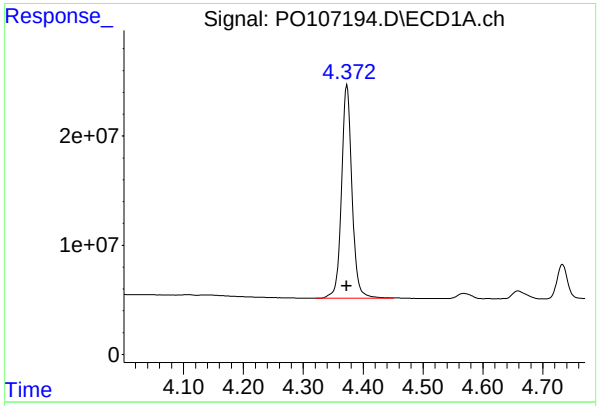
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



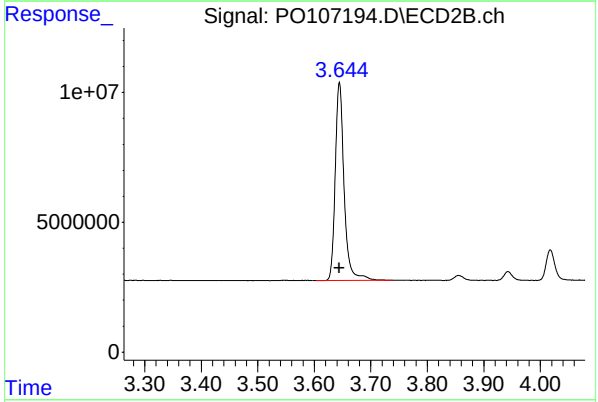




#1 Tetrachloro-m-xylene

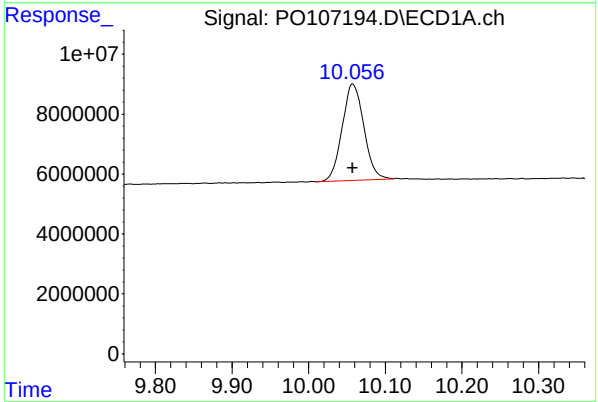
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237601886
Conc: 25.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



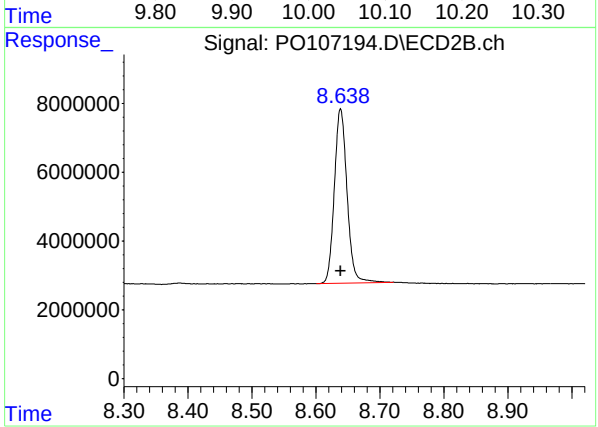
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 83389360
Conc: 24.96 ng/ml



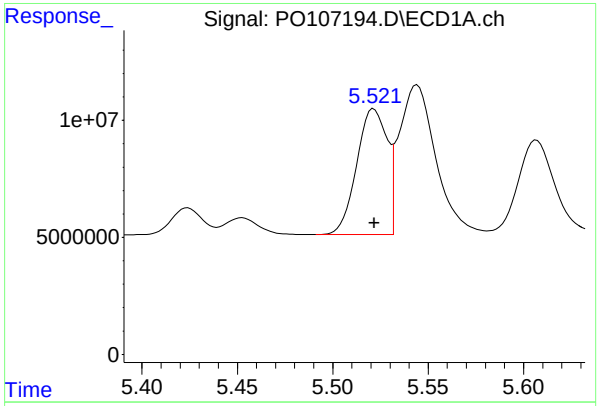
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 63795685
Conc: 25.59 ng/ml



#2 Decachlorobiphenyl

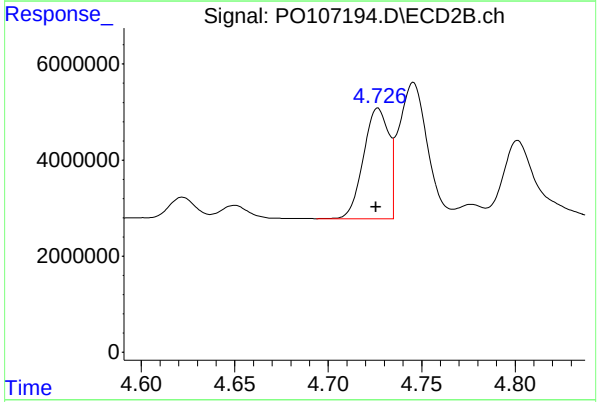
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 69963548
Conc: 25.31 ng/ml



#16 AR-1242-1

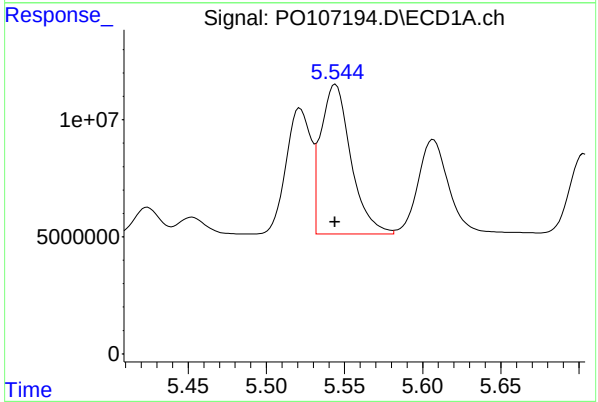
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 59739114
Conc: 268.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



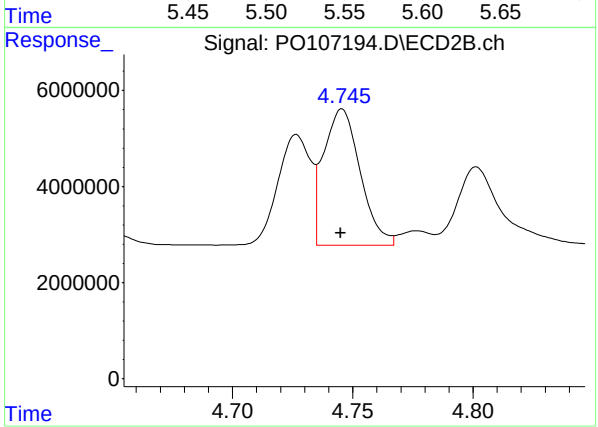
#16 AR-1242-1

R.T.: 4.727 min
Delta R.T.: 0.001 min
Response: 21816724
Conc: 259.92 ng/ml



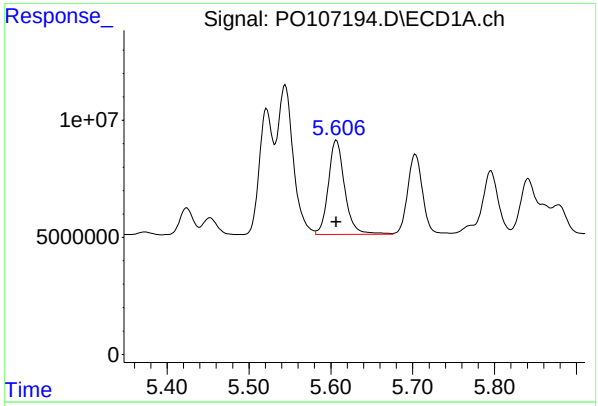
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 85701102
Conc: 264.88 ng/ml



#17 AR-1242-2

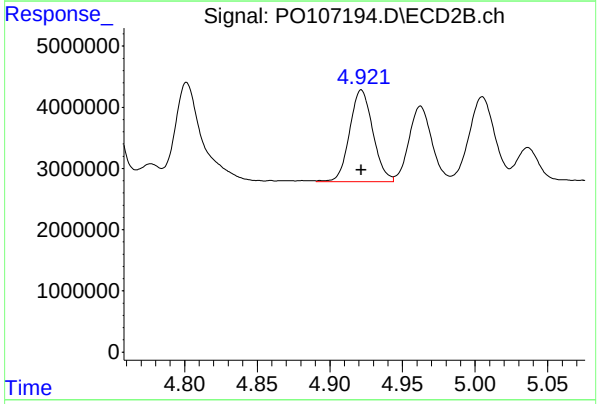
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 30166778
Conc: 256.21 ng/ml



#18 AR-1242-3

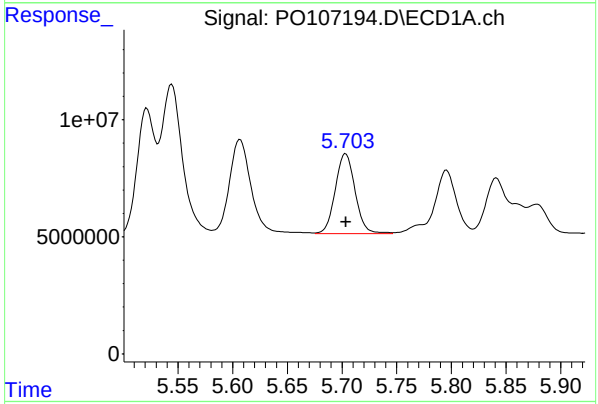
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 56076682
Conc: 267.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



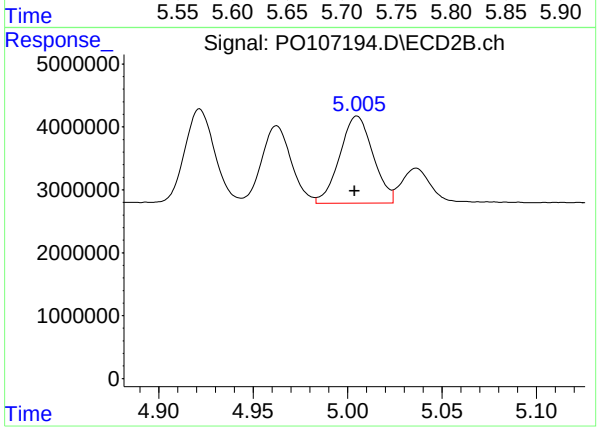
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 16716467
Conc: 259.58 ng/ml



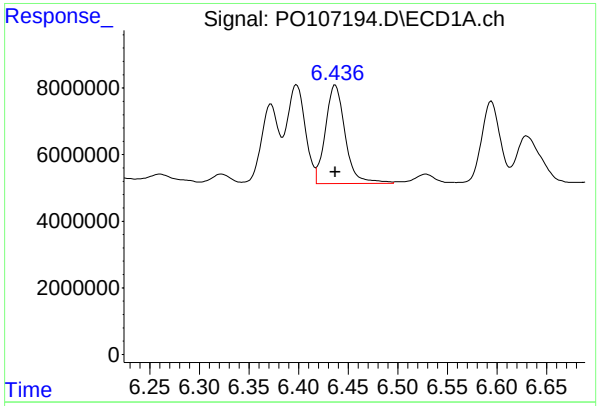
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 43283991
Conc: 265.88 ng/ml



#19 AR-1242-4

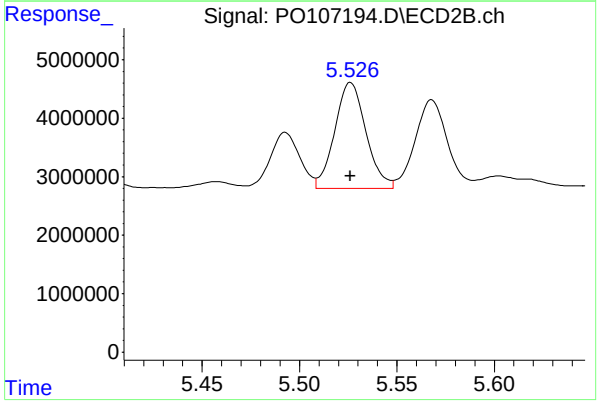
R.T.: 5.005 min
Delta R.T.: 0.001 min
Response: 17011315
Conc: 264.21 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 41155754
Conc: 267.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 20184132
Conc: 261.40 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
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: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	45874144	14600377	5.015	4.370
2)	SA Decachlor...	10.055	8.638	12132051	13326327	4.867	4.821
	Target Compounds						
16)	L4 AR-1242-1	5.521	4.726	12176144	4333712	54.796	51.630
17)	L4 AR-1242-2	5.544	4.745	17442944	5701582	53.911	48.424
18)	L4 AR-1242-3	5.606	4.921	11292382	3181204	53.866	49.400
19)	L4 AR-1242-4	5.703	5.004	8415437	3329911	51.693	51.719
20)	L4 AR-1242-5	6.437	5.526	8983989	4011331	58.456	51.950

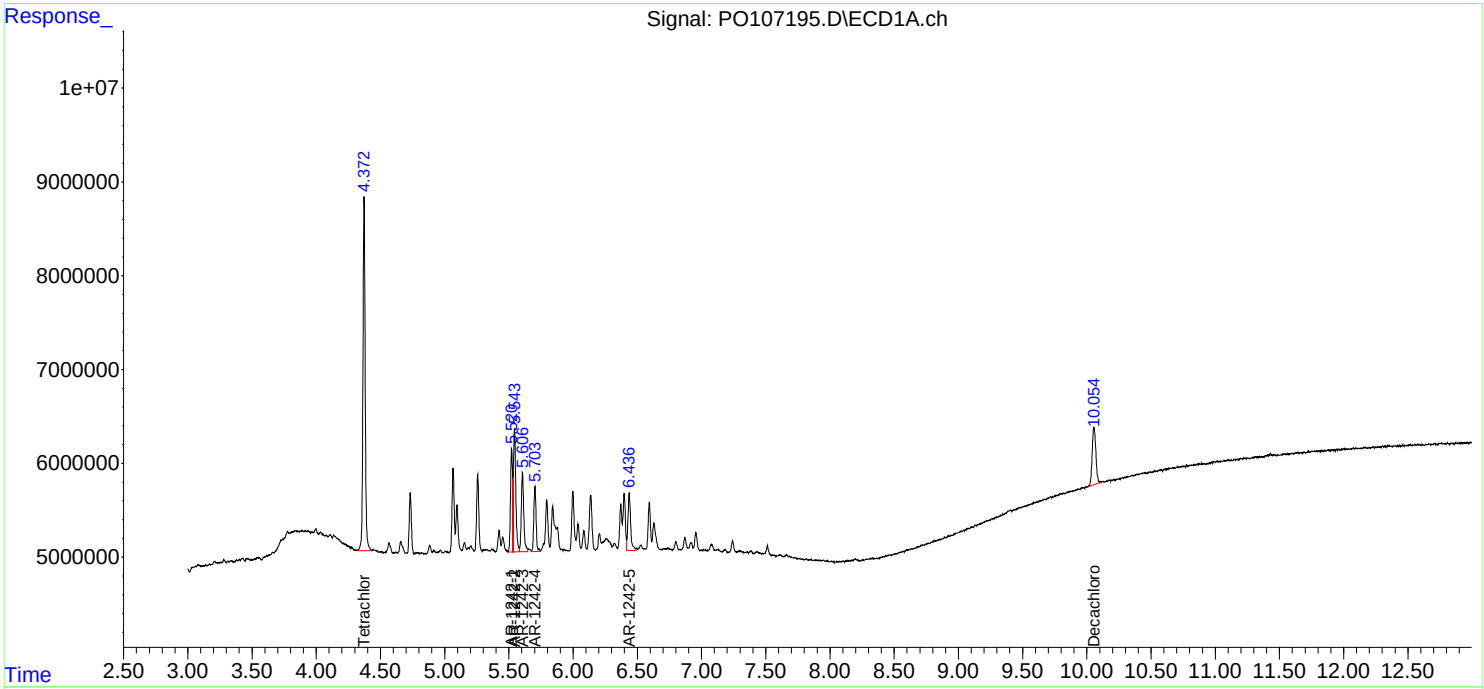
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

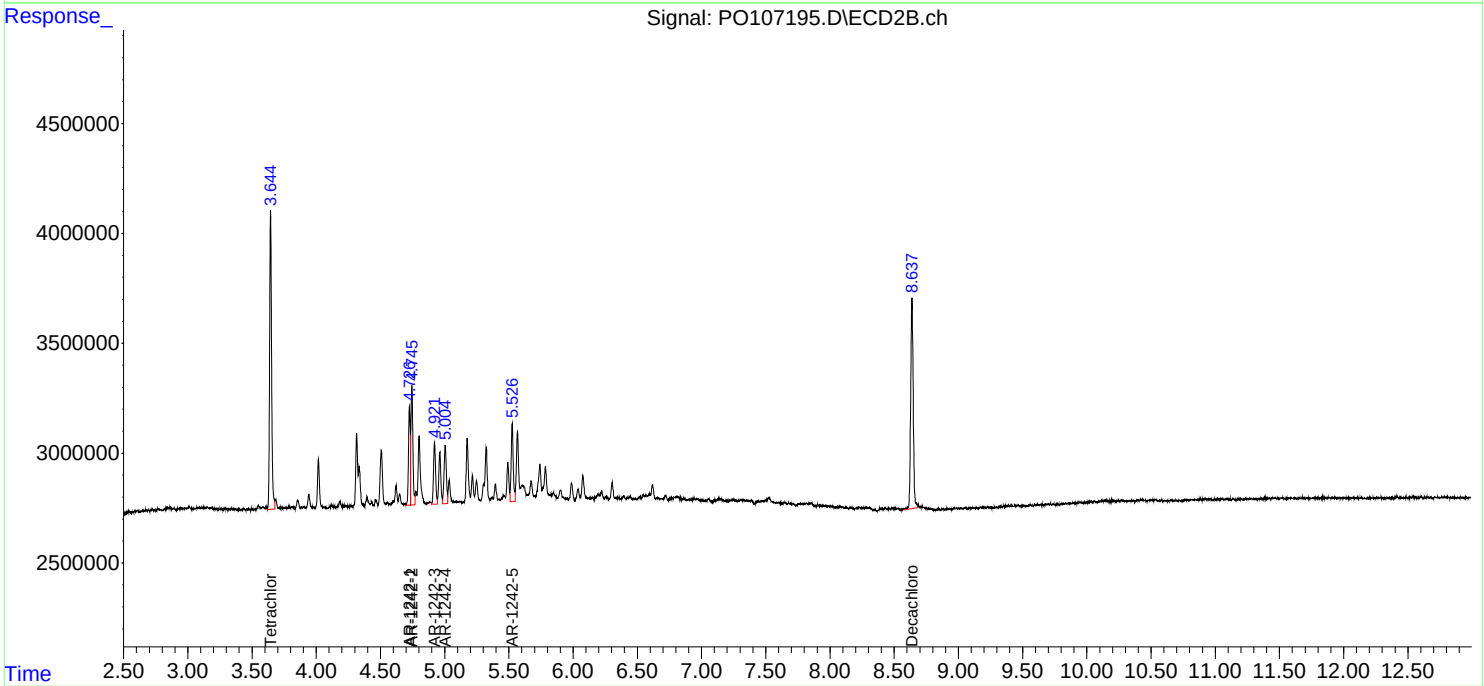
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

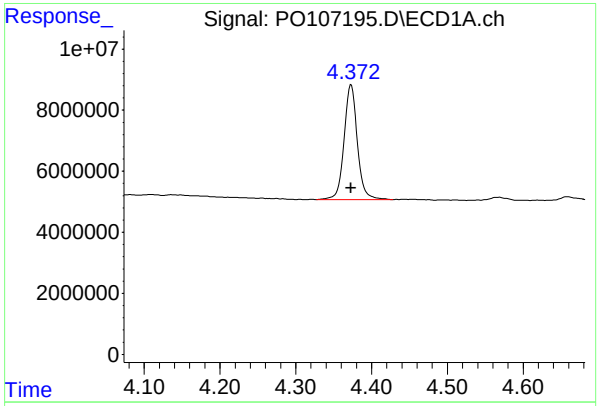
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



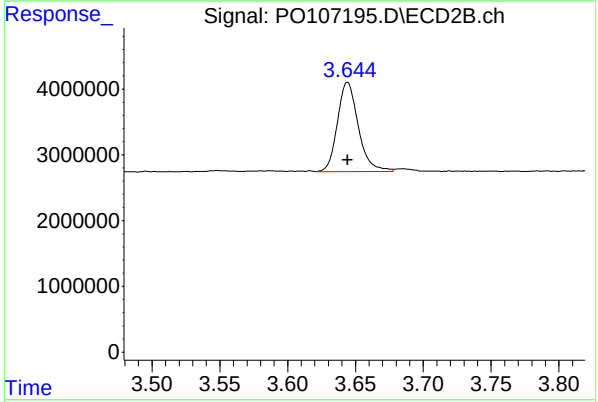




#1 Tetrachloro-m-xylene

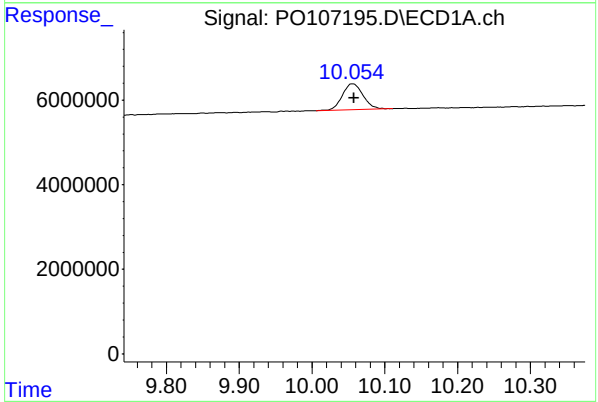
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 45874144
Conc: 5.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



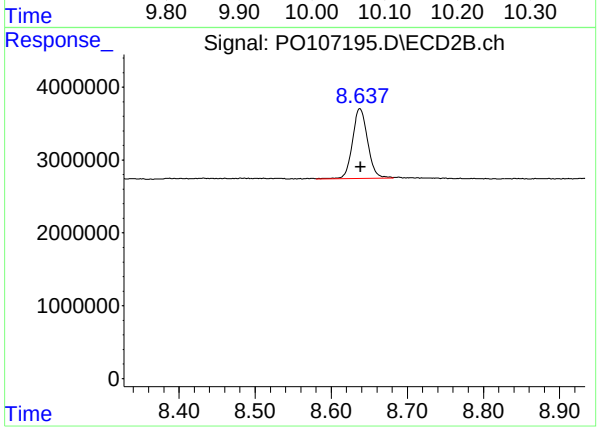
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14600377
Conc: 4.37 ng/ml



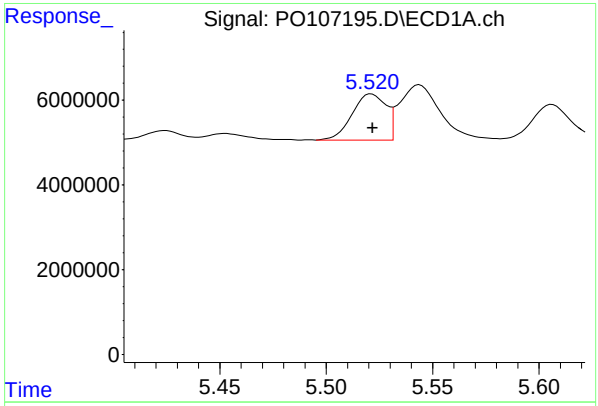
#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.002 min
Response: 12132051
Conc: 4.87 ng/ml



#2 Decachlorobiphenyl

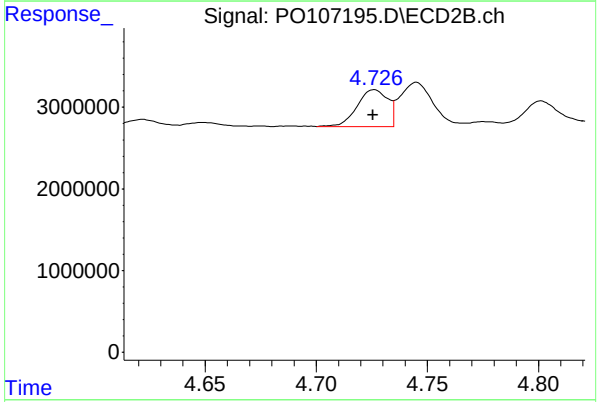
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 13326327
Conc: 4.82 ng/ml



#16 AR-1242-1

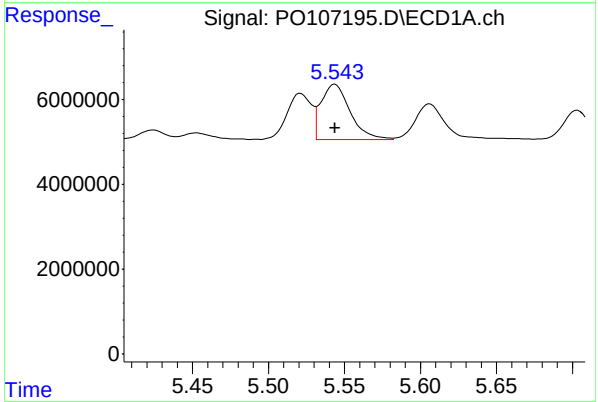
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 12176144
Conc: 54.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



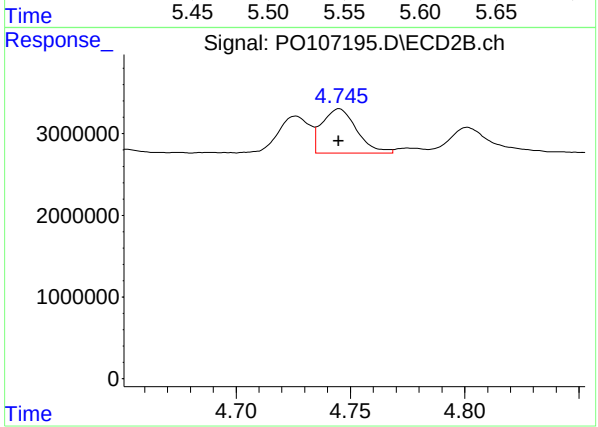
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 4333712
Conc: 51.63 ng/ml



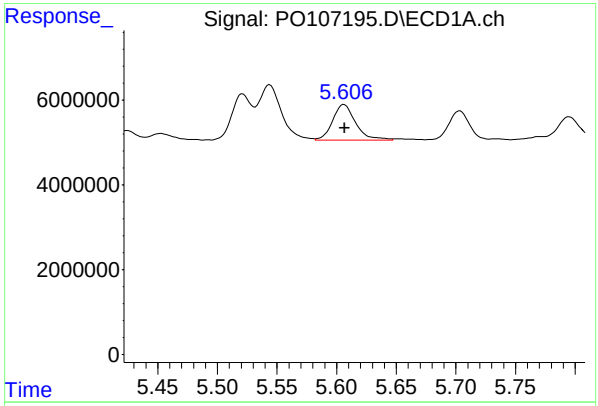
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 17442944
Conc: 53.91 ng/ml



#17 AR-1242-2

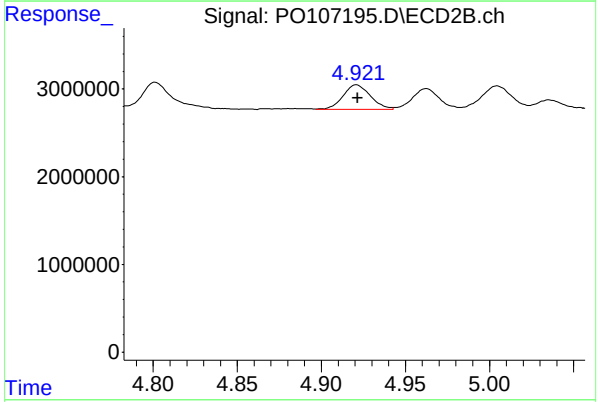
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 5701582
Conc: 48.42 ng/ml



#18 AR-1242-3

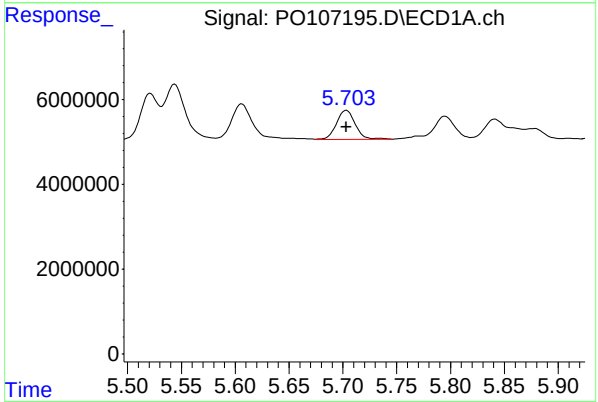
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 11292382
Conc: 53.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



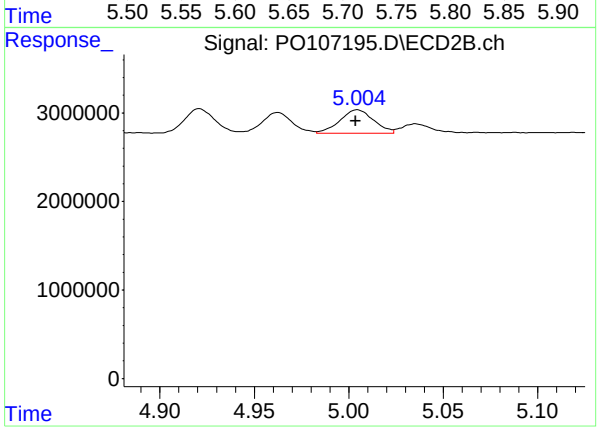
#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 3181204
Conc: 49.40 ng/ml



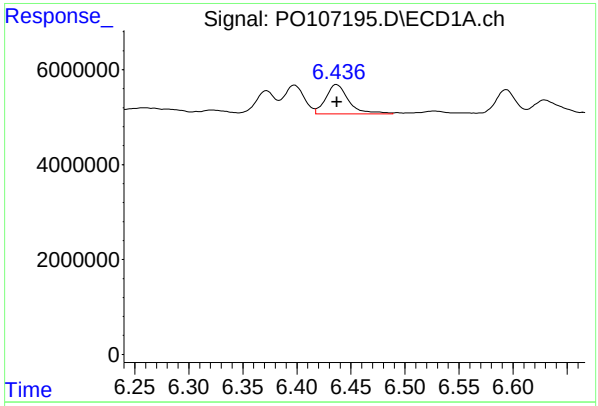
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 8415437
Conc: 51.69 ng/ml



#19 AR-1242-4

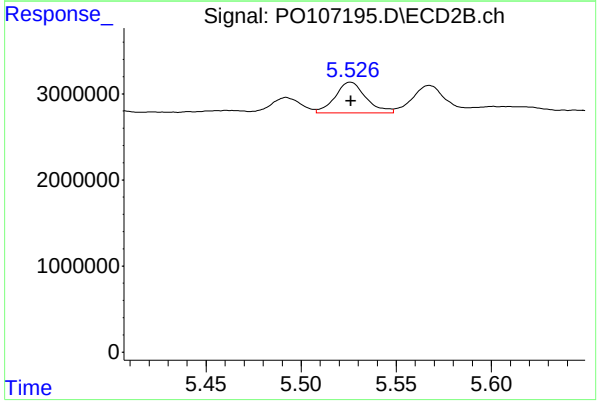
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 3329911
Conc: 51.72 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 mi
Response: 8983989
Conc: 58.46 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 4011331
Conc: 51.95 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
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: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	871.9E6	327.8E6	93.167	95.697
2)	SA Decachlor...	10.057	8.638	234.0E6	266.9E6	93.438	95.612
	Target Compounds						
21)	L5 AR-1248-1	5.521	4.726	155.9E6	60218805	889.958	928.169
22)	L5 AR-1248-2	5.795	4.962	222.8E6	85173308	878.597	915.232
23)	L5 AR-1248-3	5.997	5.004	231.9E6	89257070	892.951	916.605
24)	L5 AR-1248-4	6.398	5.176	237.2E6	105.9E6	910.480	923.092
25)	L5 AR-1248-5	6.437	5.567	236.3E6	102.8E6	906.188	936.492

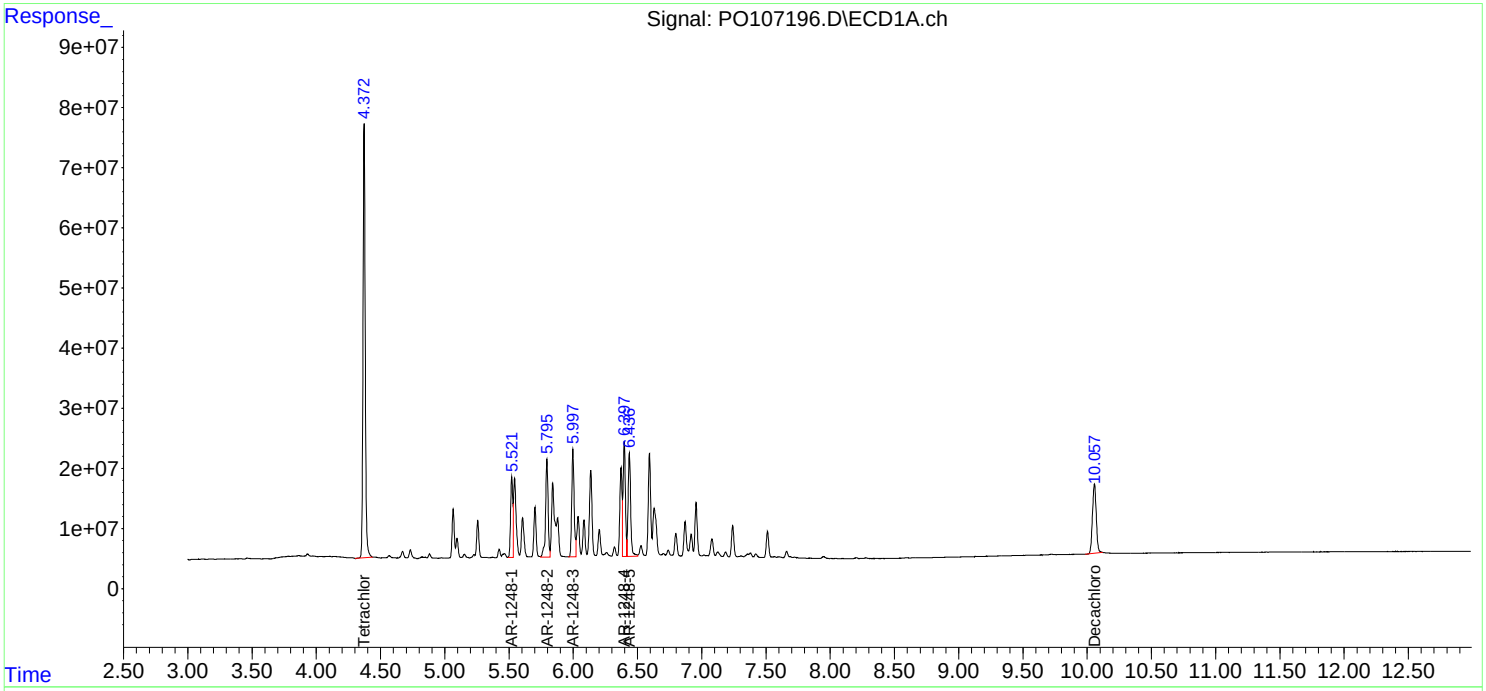
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

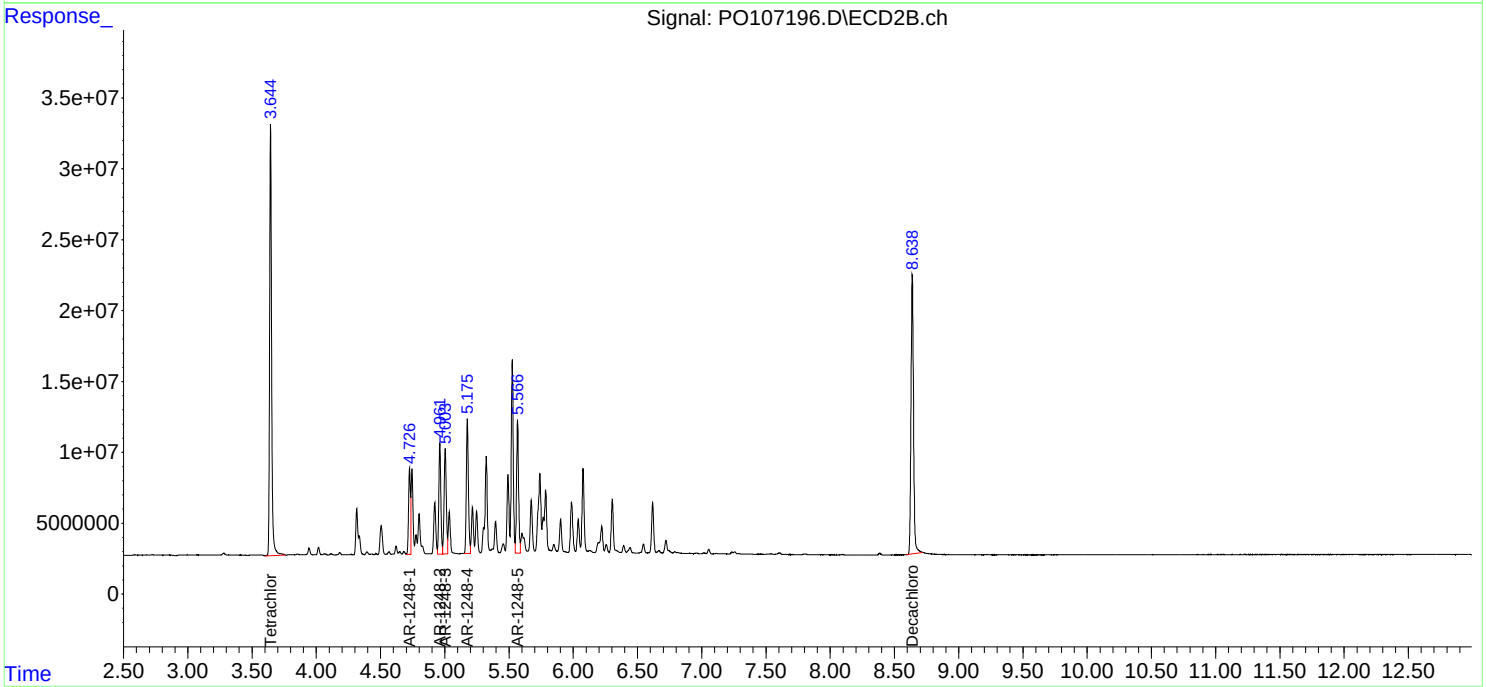
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

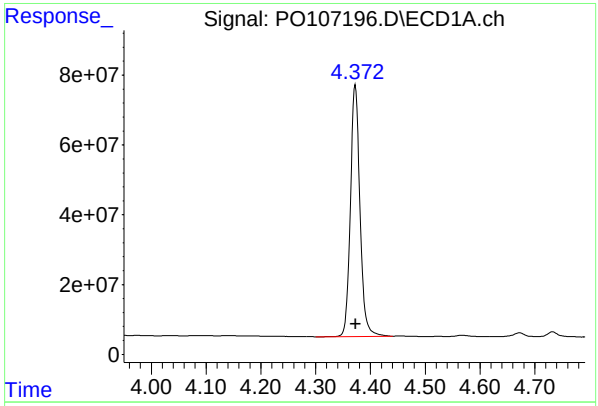
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



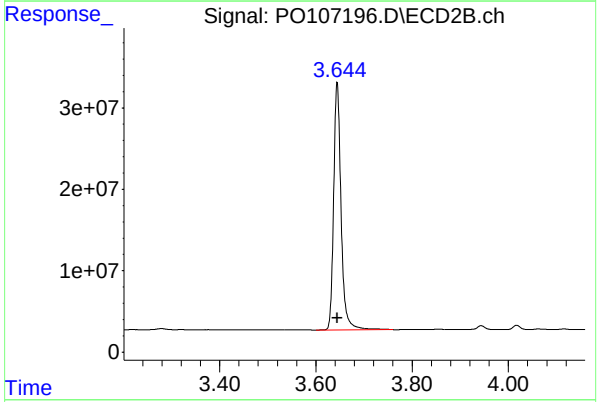




#1 Tetrachloro-m-xylene

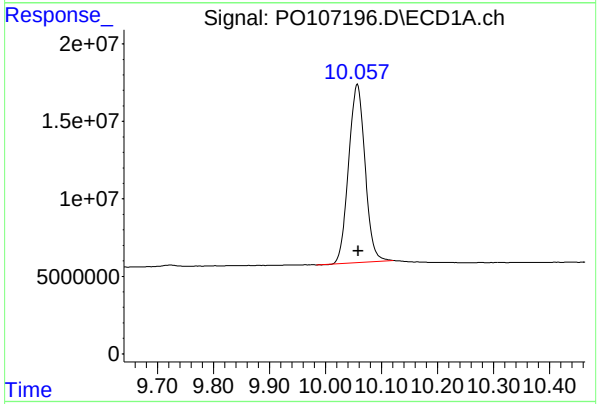
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 871940361
Conc: 93.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



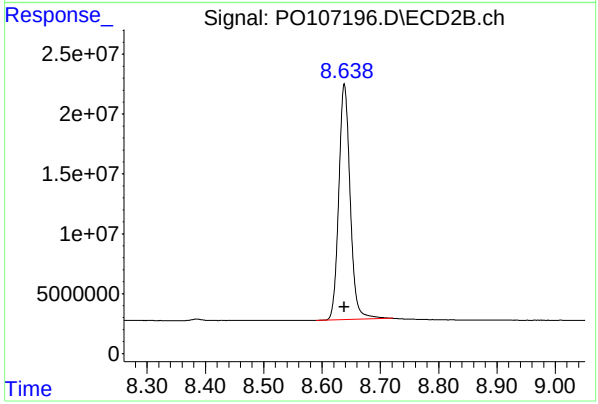
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 327841760
Conc: 95.70 ng/ml



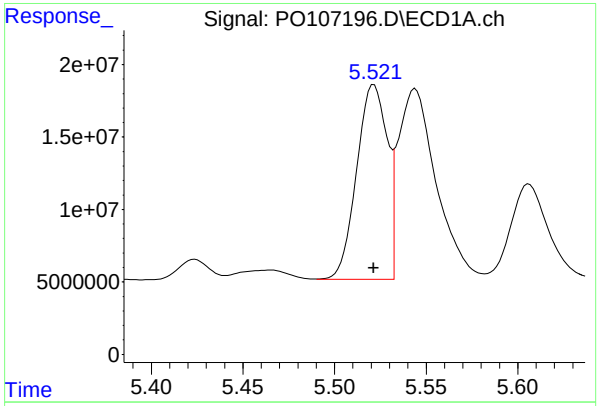
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 233978058
Conc: 93.44 ng/ml



#2 Decachlorobiphenyl

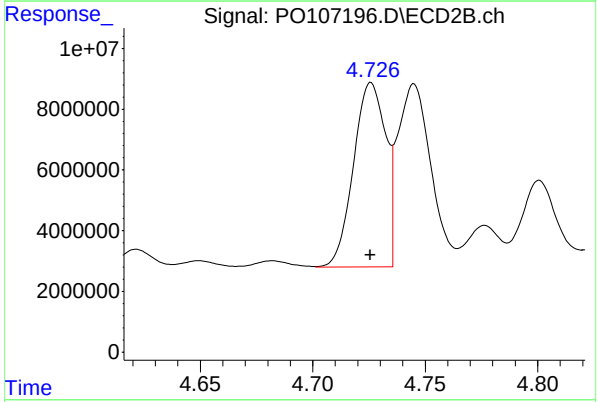
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 266936581
Conc: 95.61 ng/ml



#21 AR-1248-1

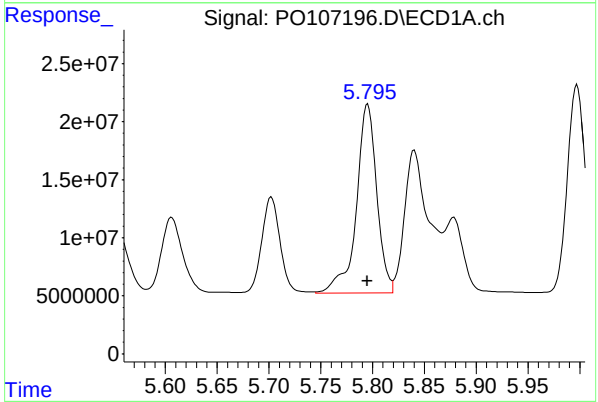
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 155913014
Conc: 889.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



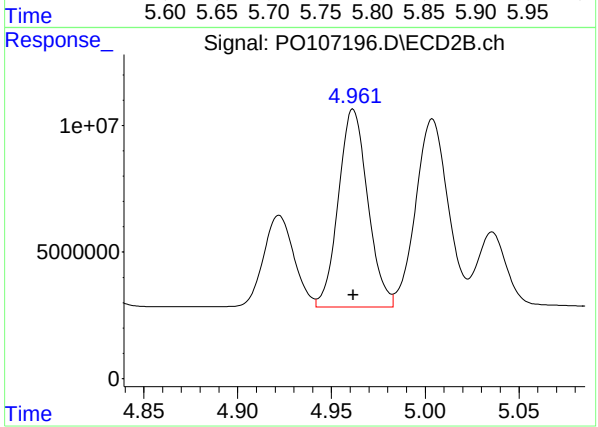
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 60218805
Conc: 928.17 ng/ml



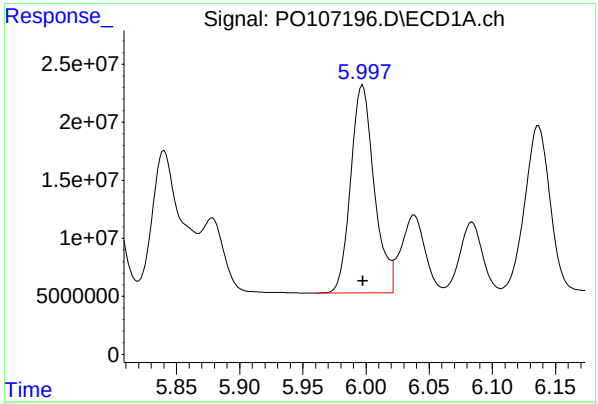
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 222845576
Conc: 878.60 ng/ml



#22 AR-1248-2

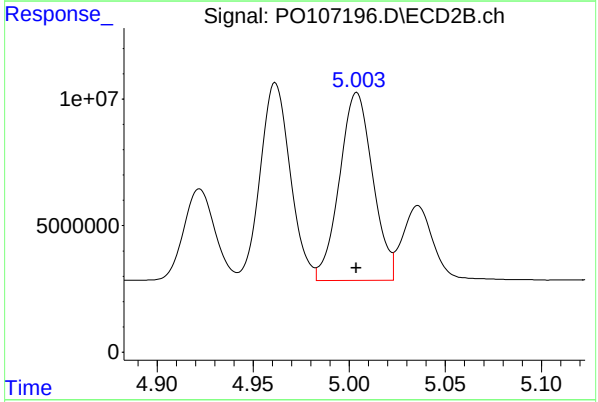
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 85173308
Conc: 915.23 ng/ml



#23 AR-1248-3

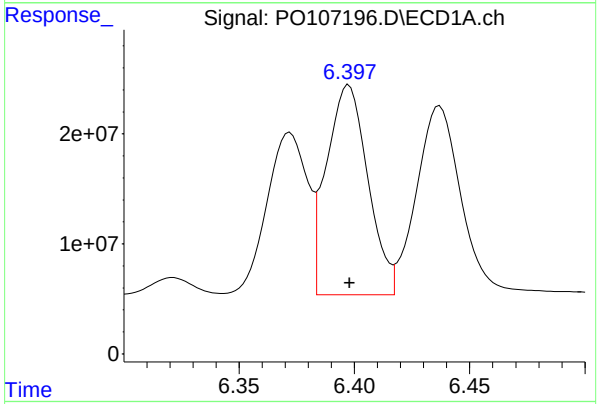
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 231904923
Conc: 892.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



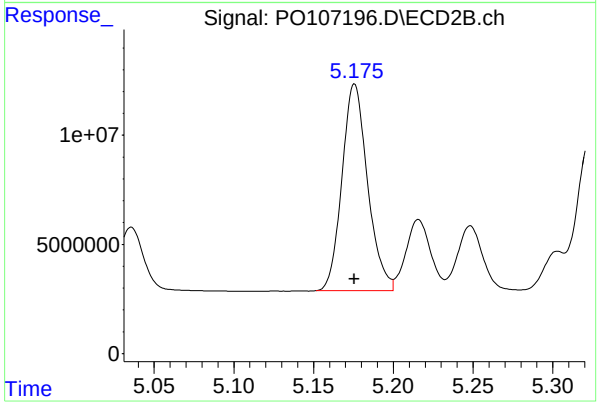
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 89257070
Conc: 916.61 ng/ml



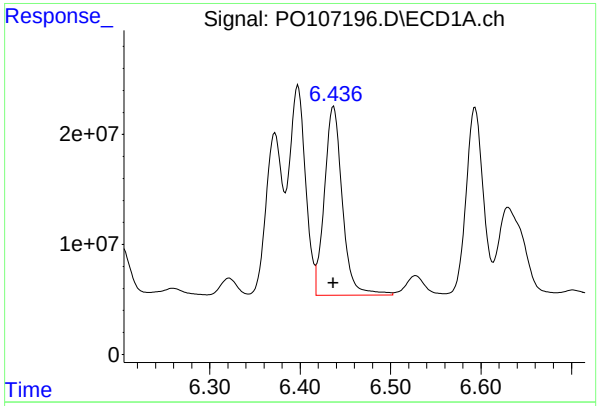
#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 237210289
Conc: 910.48 ng/ml



#24 AR-1248-4

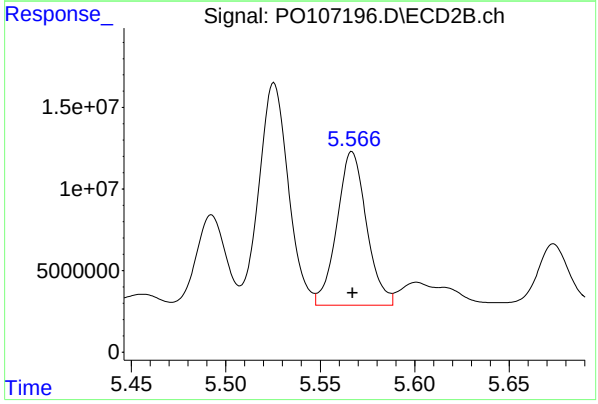
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 105934439
Conc: 923.09 ng/ml



#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 236273499
Conc: 906.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 102828085
Conc: 936.49 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
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: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	684.0E6	254.2E6	73.085	74.199
2)	SA Decachlor...	10.056	8.638	177.9E6	201.2E6	71.030	72.062
	Target Compounds						
21)	L5 AR-1248-1	5.521	4.726	123.6E6	47278639	705.517	728.719
22)	L5 AR-1248-2	5.795	4.962	178.7E6	66831271	704.358	718.137
23)	L5 AR-1248-3	5.997	5.004	184.7E6	69919958	711.094	718.027
24)	L5 AR-1248-4	6.398	5.176	185.0E6	82899838	709.988	722.373
25)	L5 AR-1248-5	6.437	5.568	184.9E6	79019739	709.319	719.661

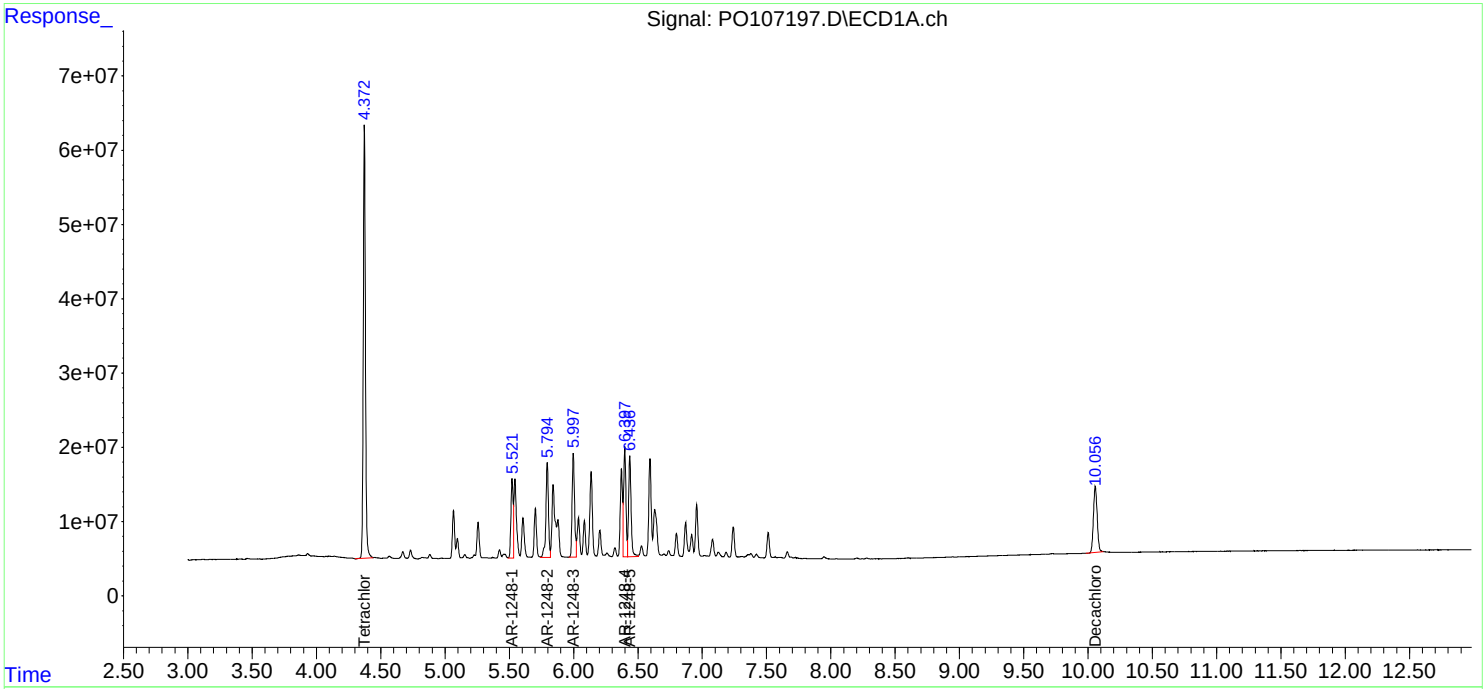
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

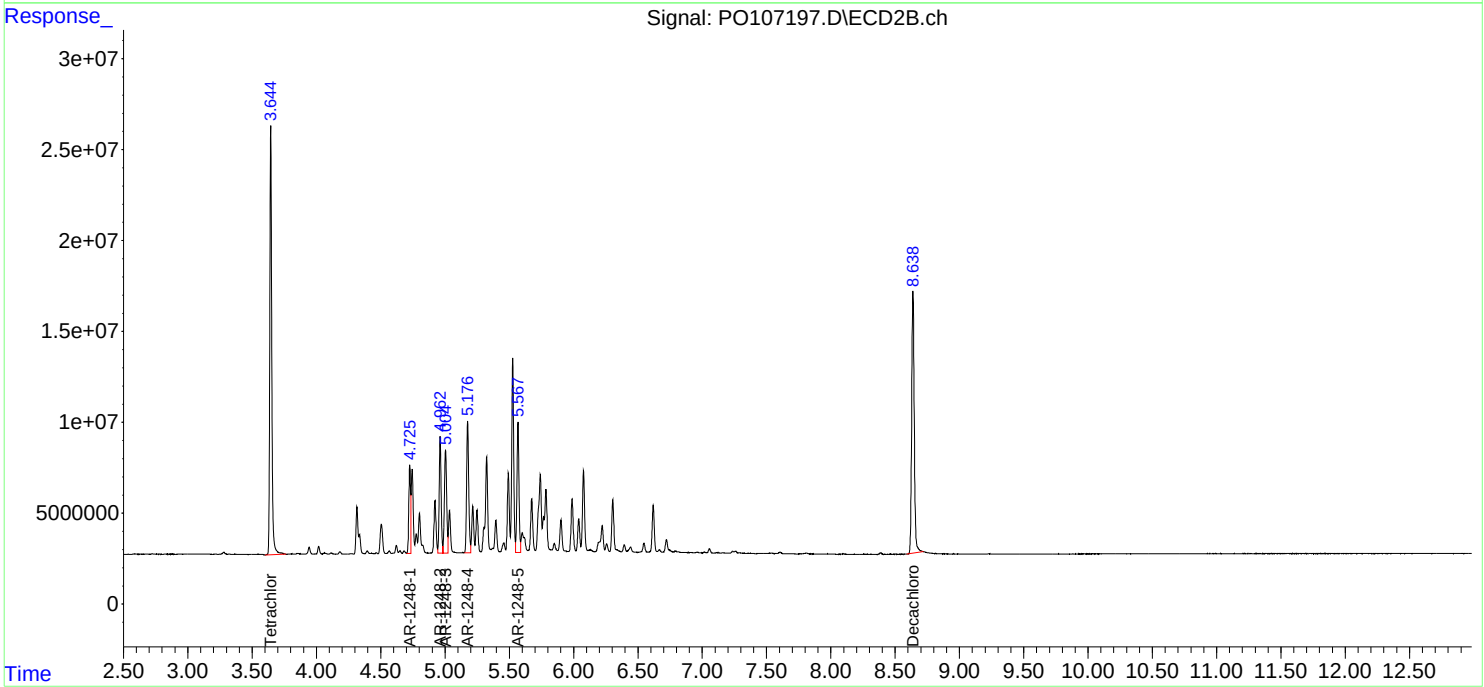
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

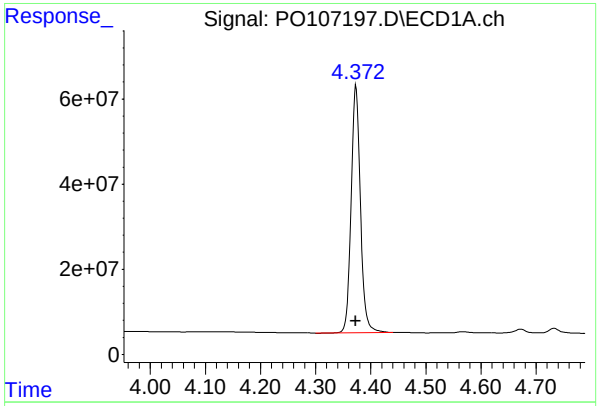
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



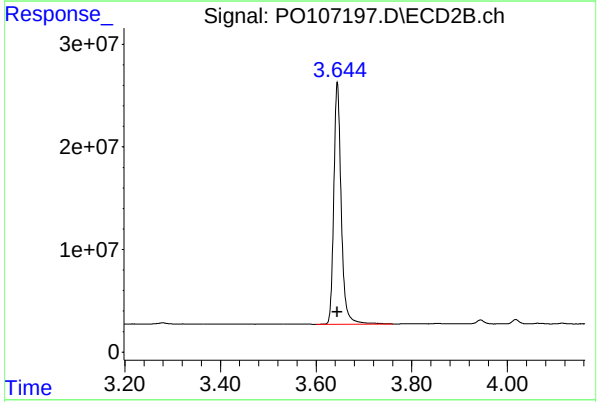




#1 Tetrachloro-m-xylene

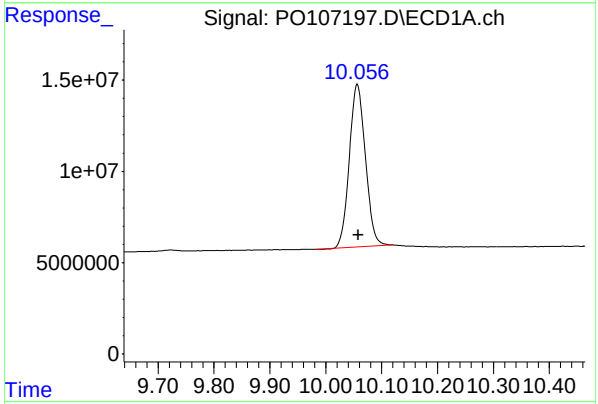
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 683999452
Conc: 73.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



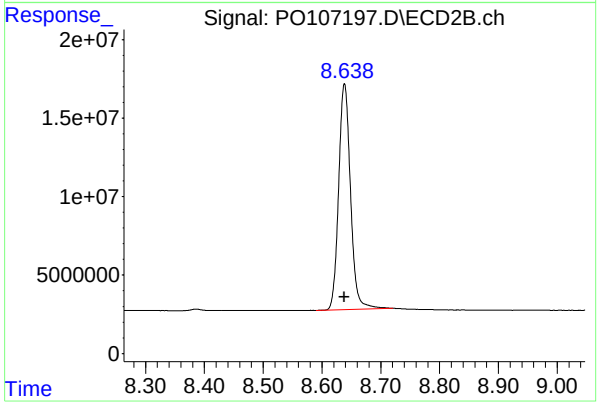
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 254192958
Conc: 74.20 ng/ml



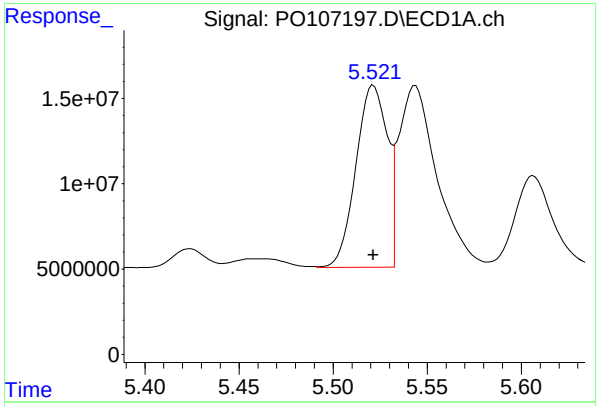
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 177864976
Conc: 71.03 ng/ml



#2 Decachlorobiphenyl

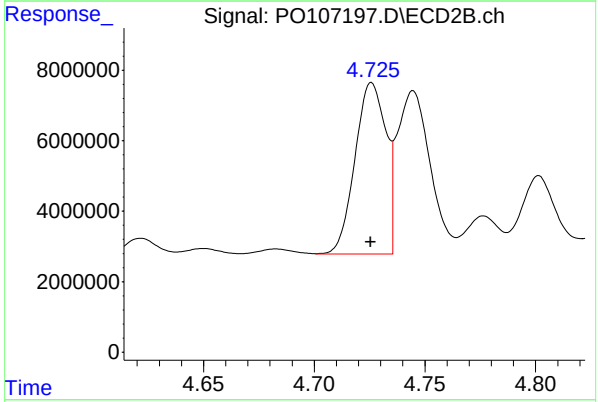
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 201187288
Conc: 72.06 ng/ml



#21 AR-1248-1

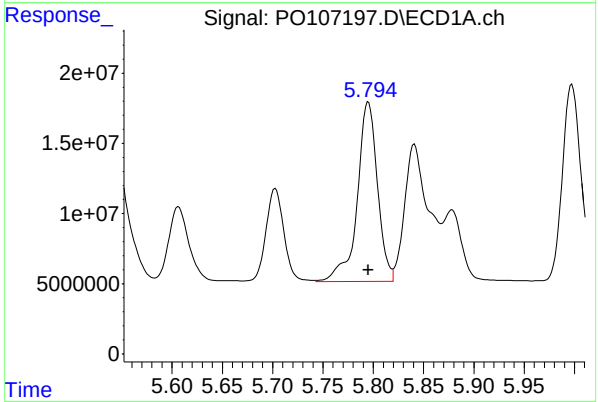
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 123600501
Conc: 705.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



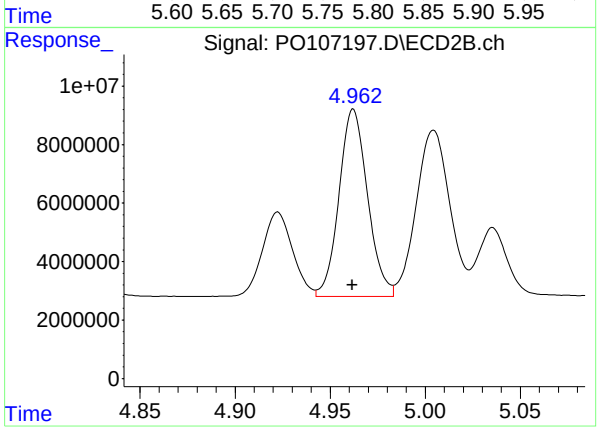
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 47278639
Conc: 728.72 ng/ml



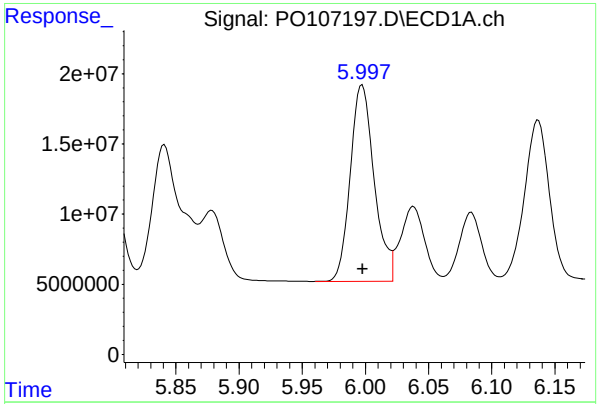
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 178651866
Conc: 704.36 ng/ml



#22 AR-1248-2

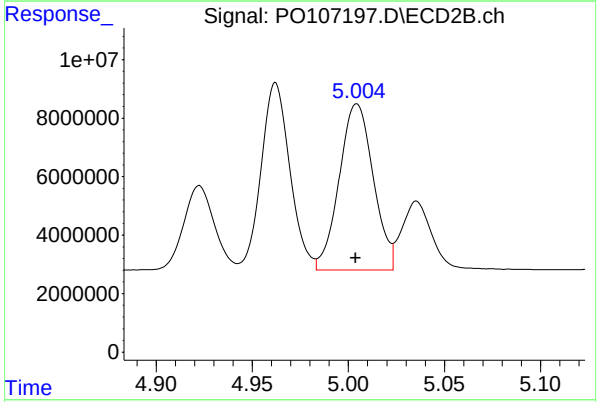
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 66831271
Conc: 718.14 ng/ml



#23 AR-1248-3

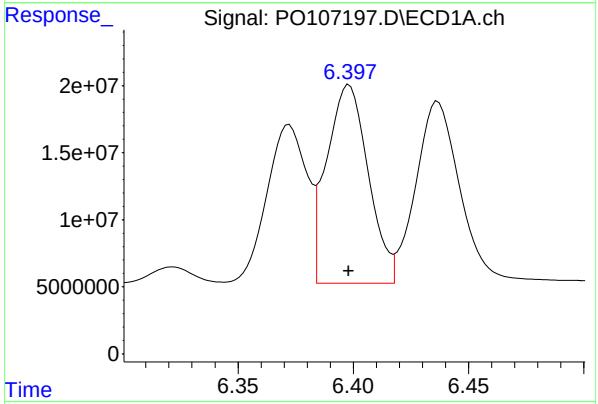
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 184675314
Conc: 711.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



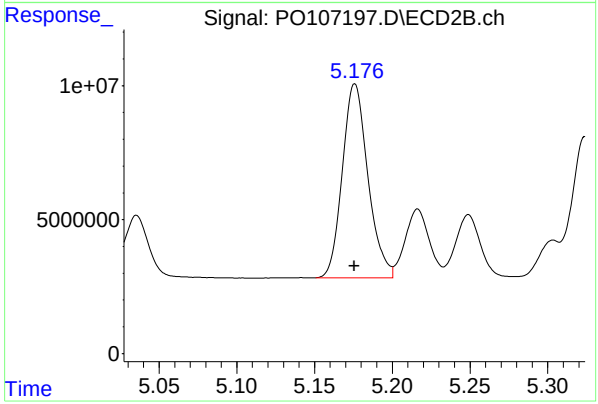
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 69919958
Conc: 718.03 ng/ml



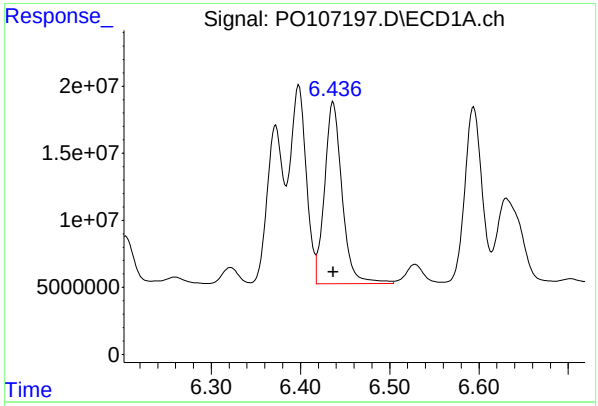
#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 184975399
Conc: 709.99 ng/ml



#24 AR-1248-4

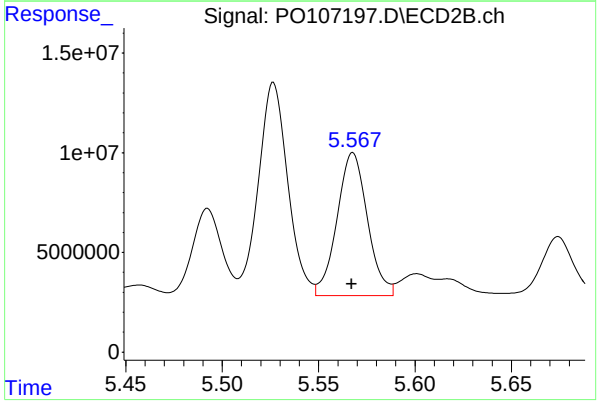
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 82899838
Conc: 722.37 ng/ml



#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 184943304
Conc: 709.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.568 min
Delta R.T.: 0.000 min
Response: 79019739
Conc: 719.66 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
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: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	467.9E6	171.3E6	50.000	50.000
2)	SA Decachlor...	10.058	8.638	125.2E6	139.6E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.521	4.726	87595666	32439560	500.000	500.000
22)	L5 AR-1248-2	5.795	4.962	126.8E6	46530975	500.000	500.000
23)	L5 AR-1248-3	5.998	5.004	129.9E6	48688939	500.000	500.000
24)	L5 AR-1248-4	6.398	5.176	130.3E6	57380206	500.000	500.000
25)	L5 AR-1248-5	6.437	5.567	130.4E6	54900690	500.000	500.000

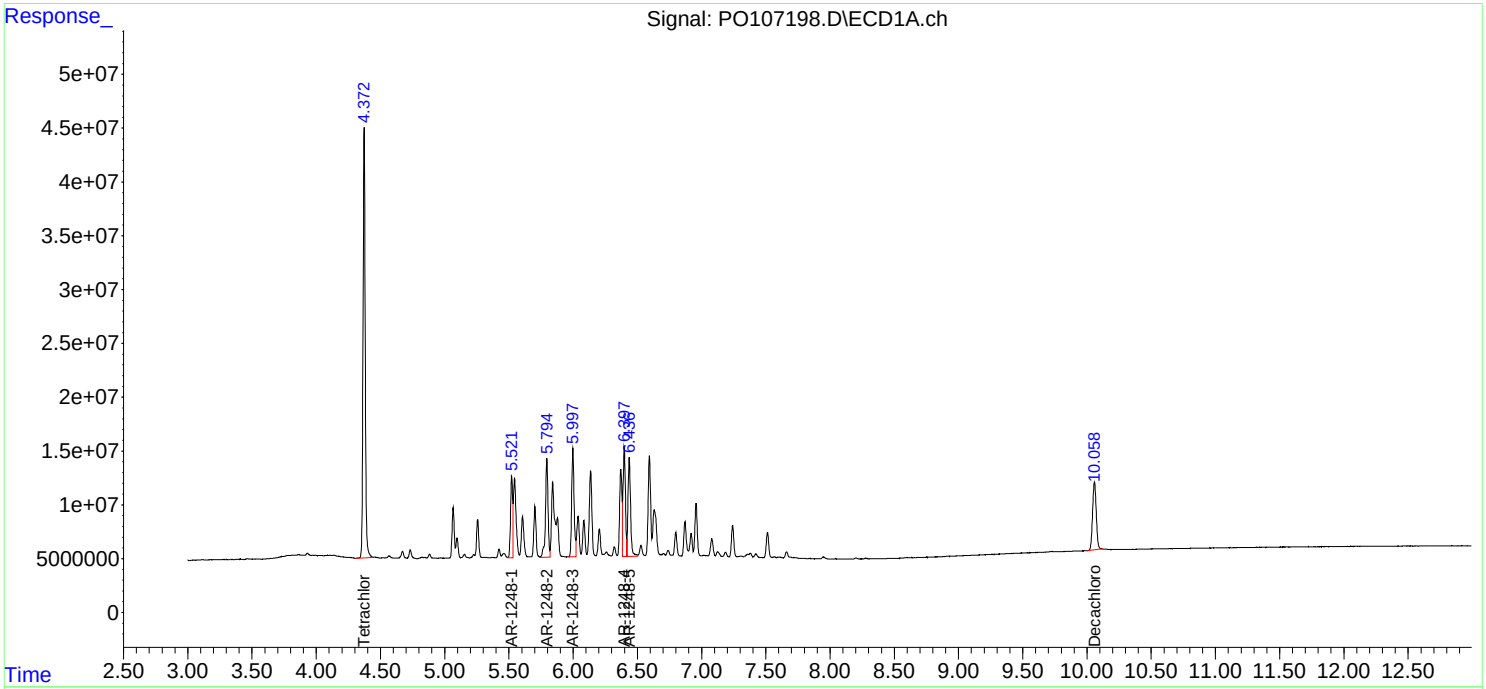
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

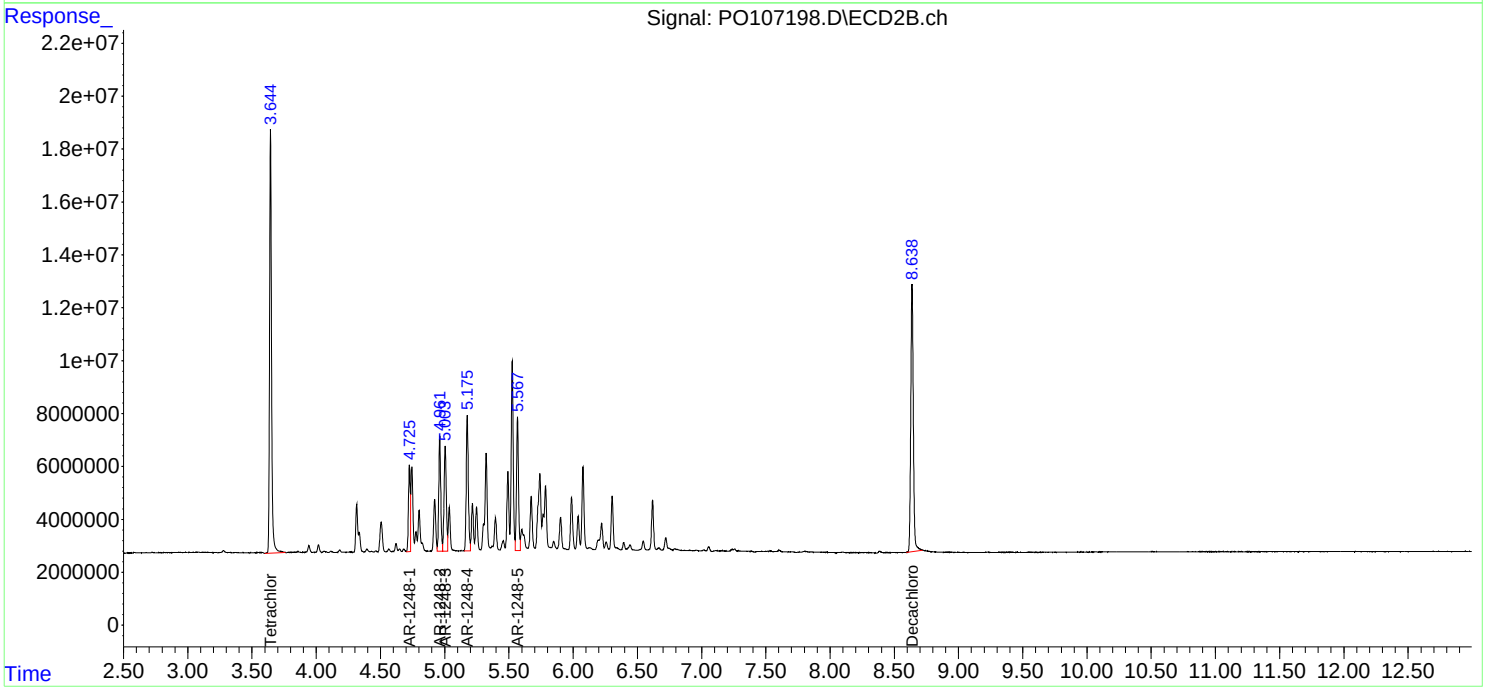
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

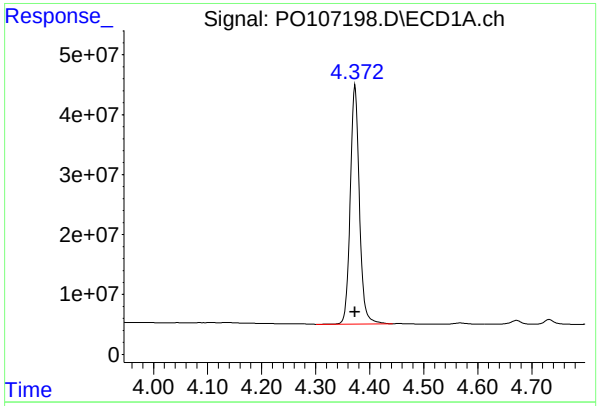
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



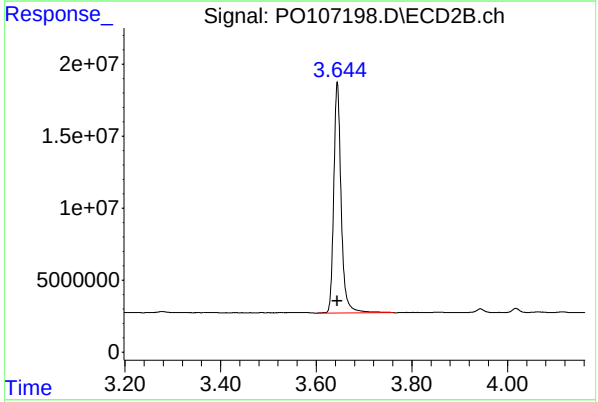




#1 Tetrachloro-m-xylene

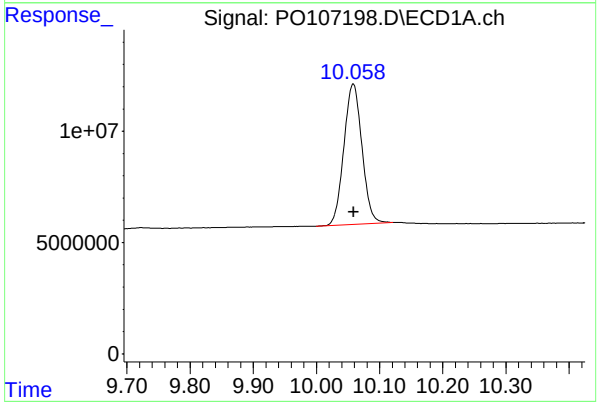
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 467945209
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



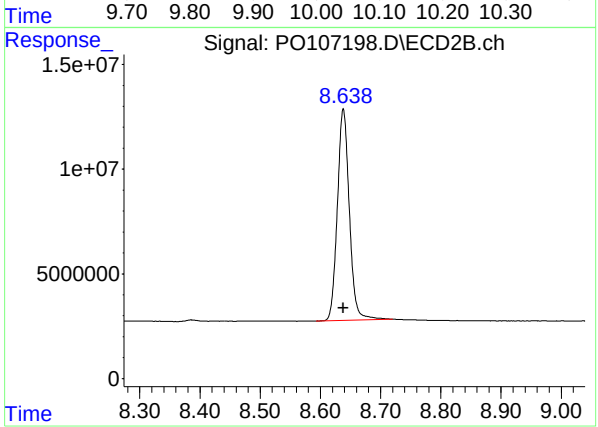
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 171291824
Conc: 50.00 ng/ml



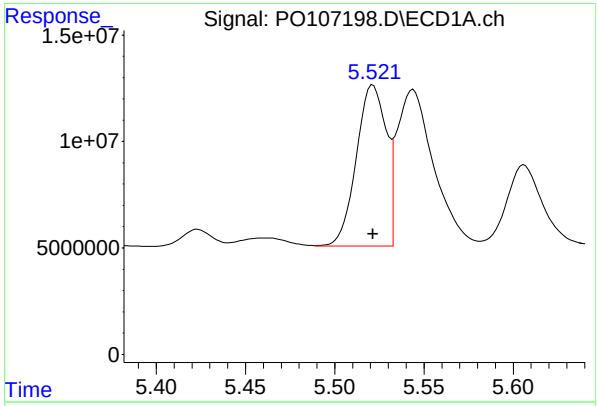
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 125204484
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

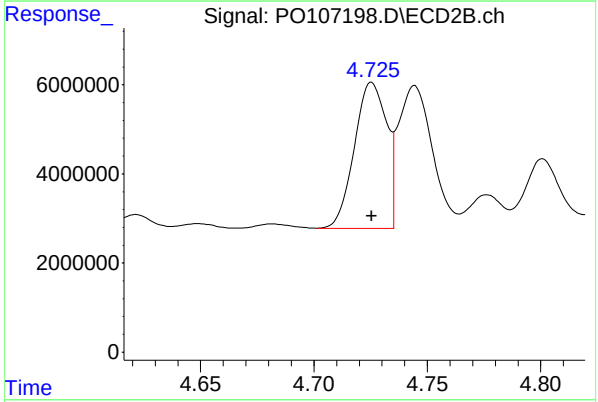
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 139593685
Conc: 50.00 ng/ml



#21 AR-1248-1

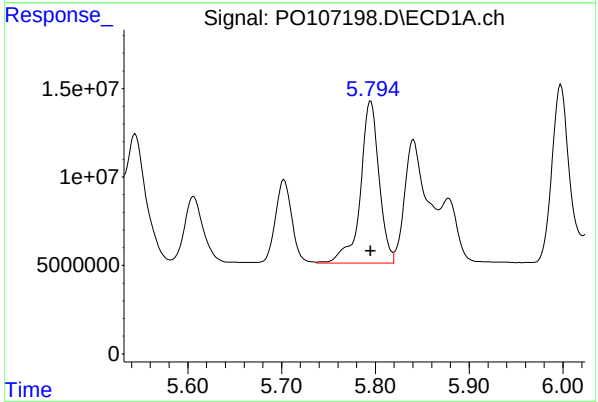
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 87595666
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



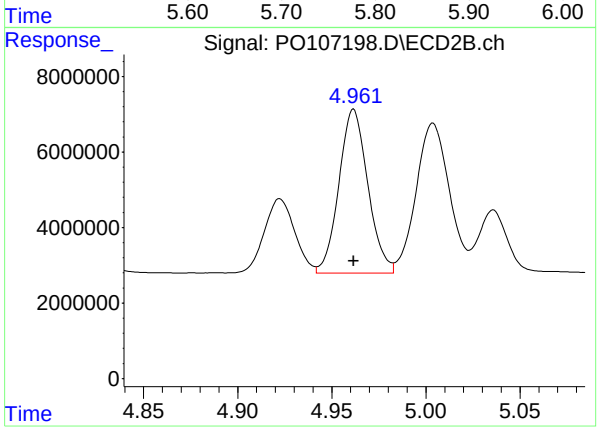
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 32439560
Conc: 500.00 ng/ml



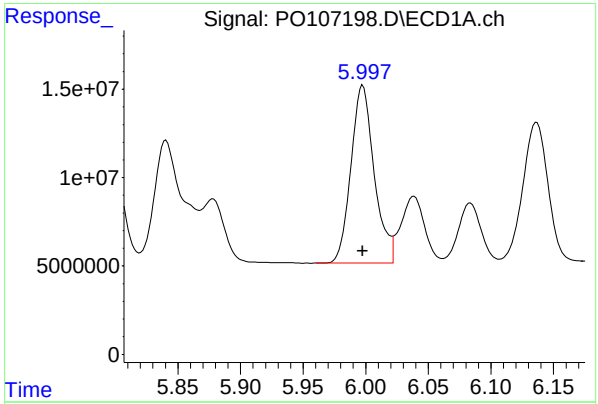
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 126818984
Conc: 500.00 ng/ml



#22 AR-1248-2

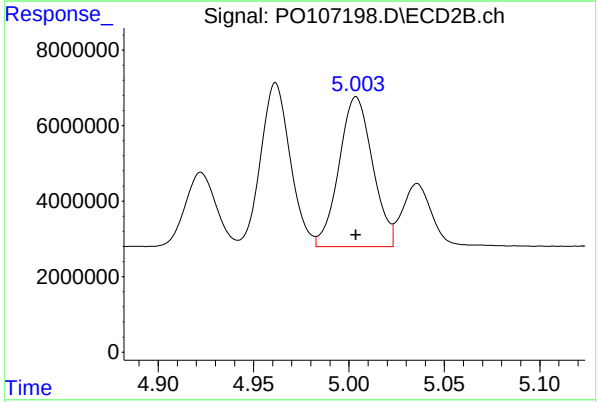
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 46530975
Conc: 500.00 ng/ml



#23 AR-1248-3

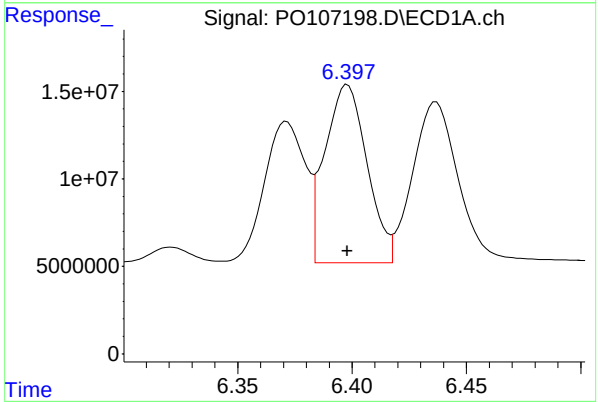
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 129853046
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



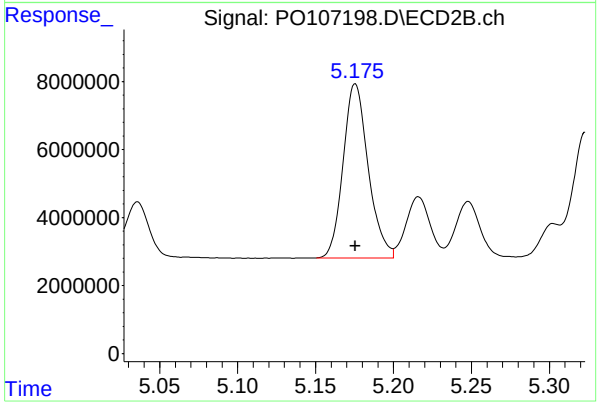
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 48688939
Conc: 500.00 ng/ml



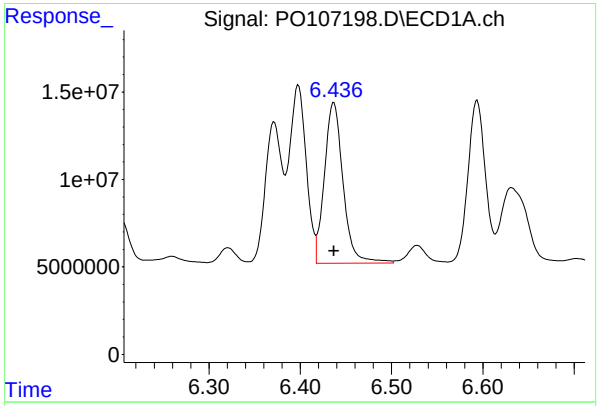
#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 130266636
Conc: 500.00 ng/ml



#24 AR-1248-4

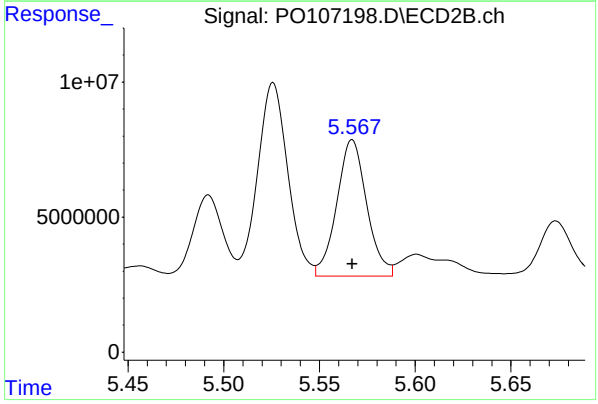
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 57380206
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 130366768
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 54900690
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
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: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	237.3E6	84054601	25.358	24.535
2)	SA Decachlor...	10.056	8.639	64153967	70917862	25.620	25.402
	Target Compounds						
21)	L5 AR-1248-1	5.522	4.725	46152443	16666809	263.440	256.890
22)	L5 AR-1248-2	5.796	4.962	67518514	24135370	266.200	259.347
23)	L5 AR-1248-3	5.998	5.003	68597053	25222976	264.133	259.022
24)	L5 AR-1248-4	6.399	5.175	68218183	29443172	261.841	256.562
25)	L5 AR-1248-5	6.437	5.567	69078530	28554491	264.939	260.056

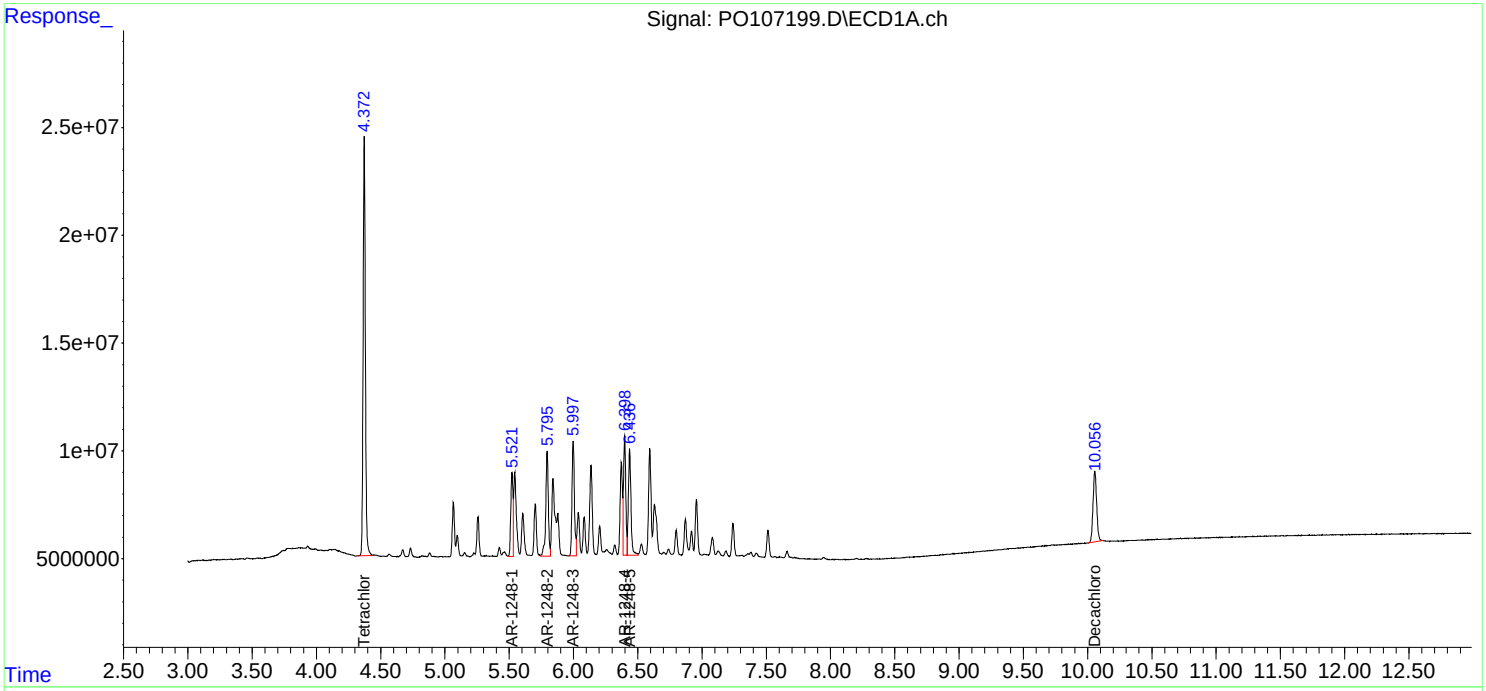
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

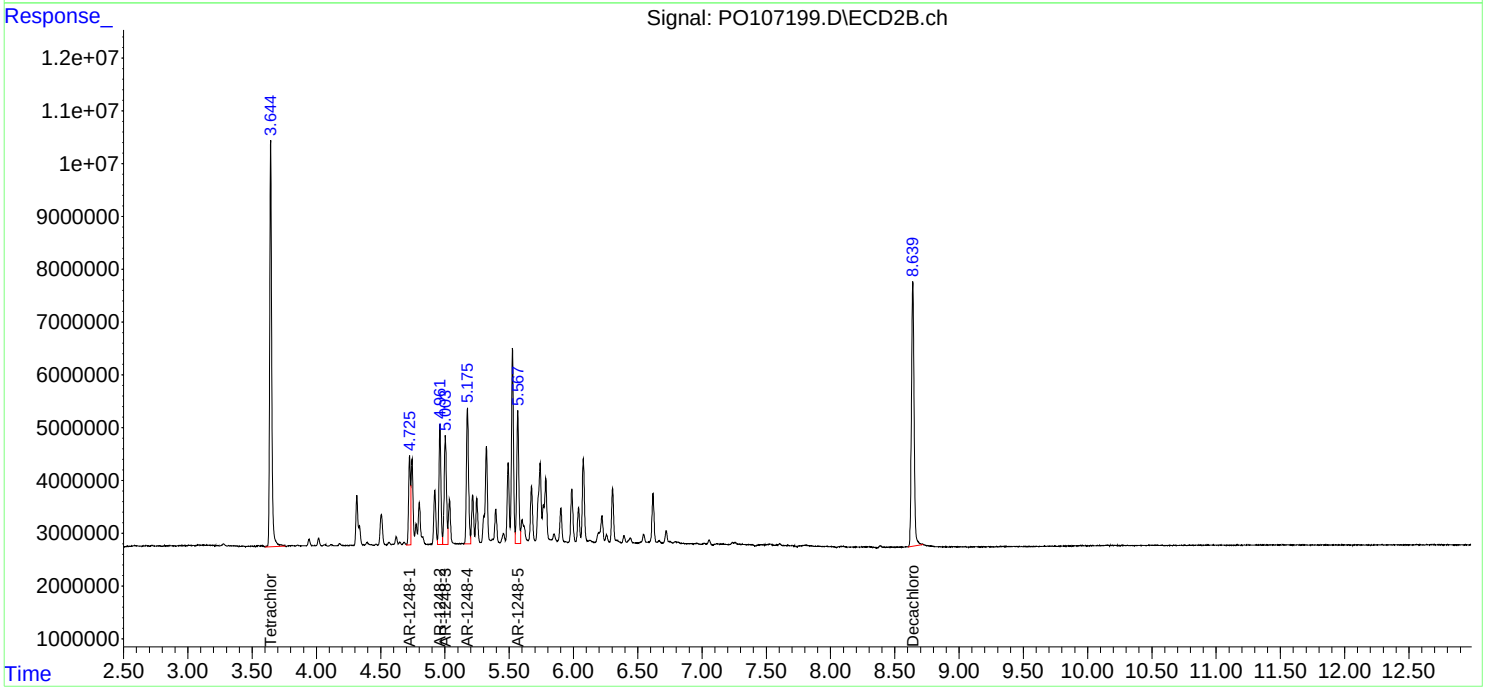
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

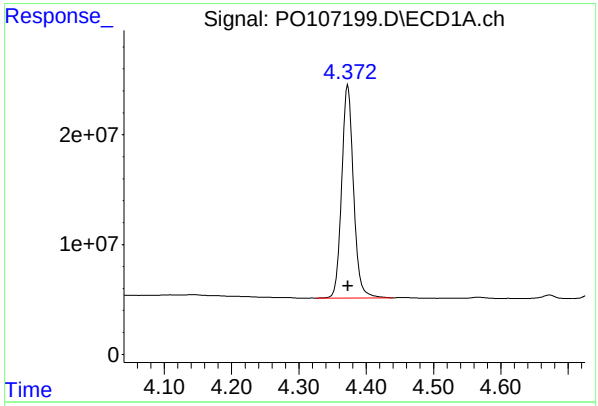
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



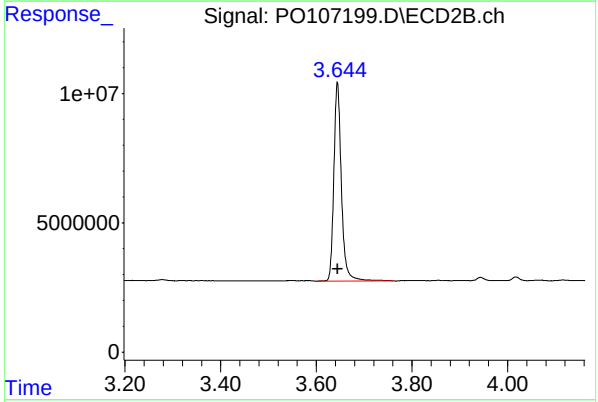




#1 Tetrachloro-m-xylene

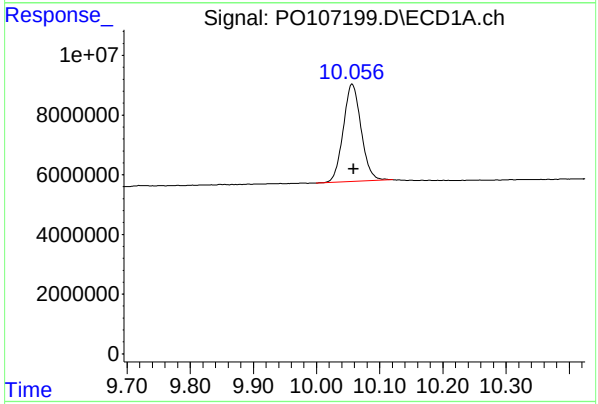
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237319605
Conc: 25.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



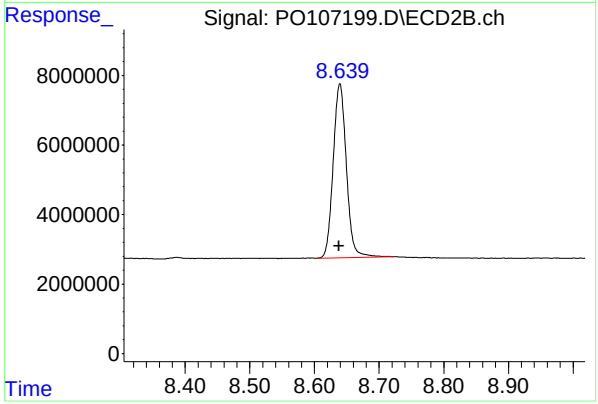
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 84054601
Conc: 24.54 ng/ml



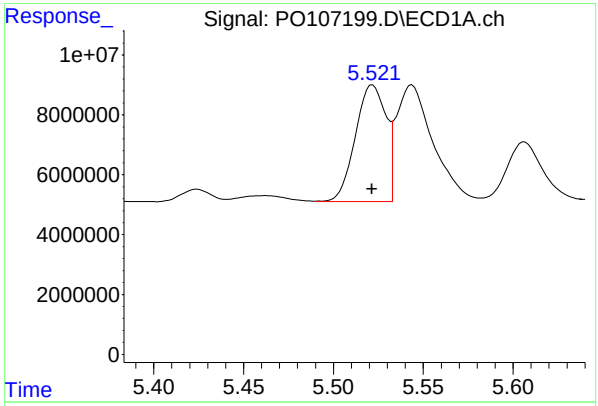
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 64153967
Conc: 25.62 ng/ml



#2 Decachlorobiphenyl

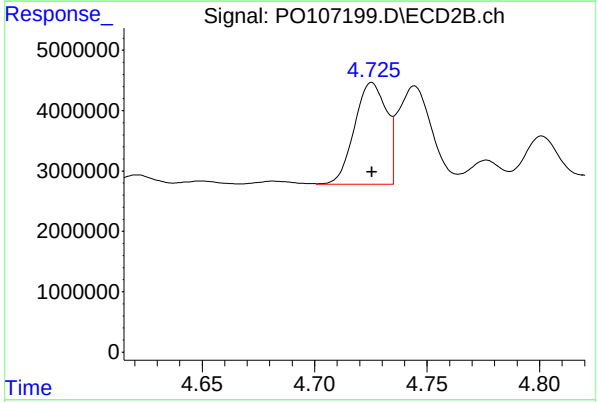
R.T.: 8.639 min
Delta R.T.: 0.001 min
Response: 70917862
Conc: 25.40 ng/ml



#21 AR-1248-1

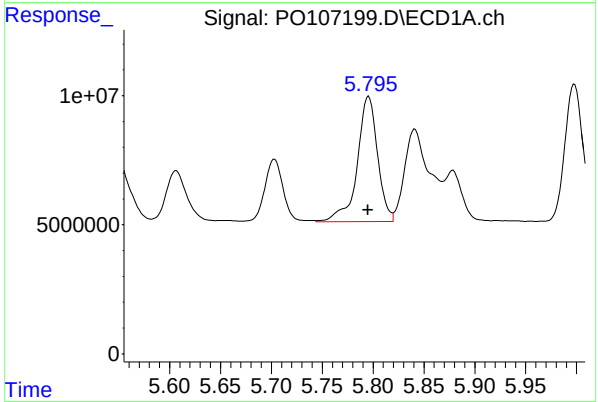
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 46152443
Conc: 263.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



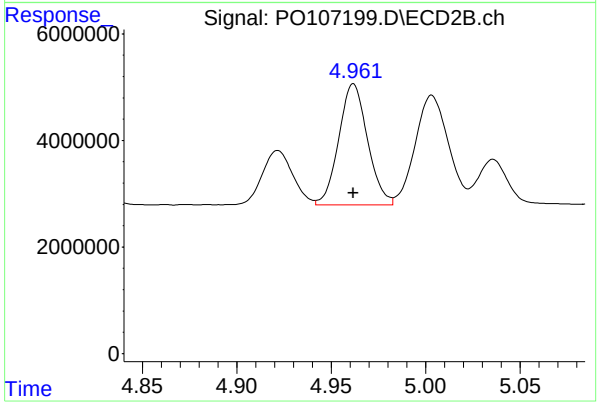
#21 AR-1248-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 16666809
Conc: 256.89 ng/ml



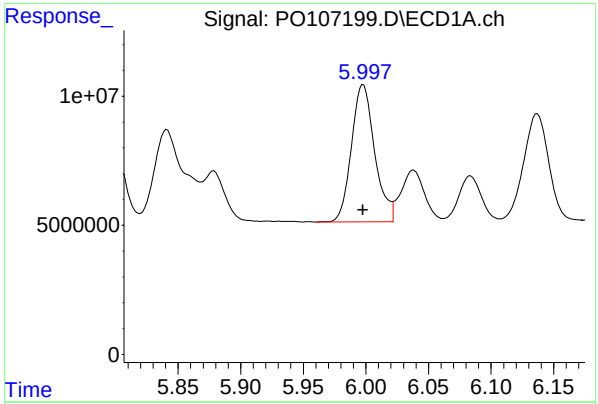
#22 AR-1248-2

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 67518514
Conc: 266.20 ng/ml



#22 AR-1248-2

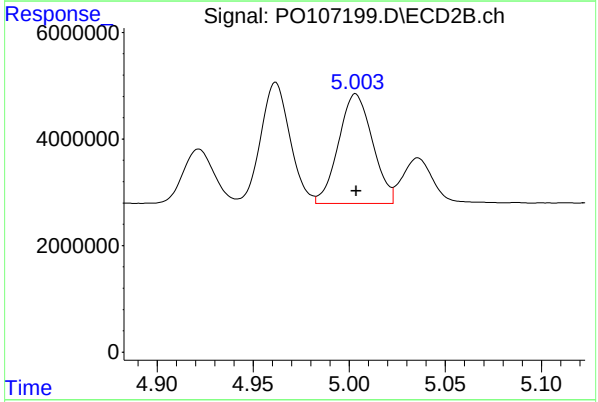
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 24135370
Conc: 259.35 ng/ml



#23 AR-1248-3

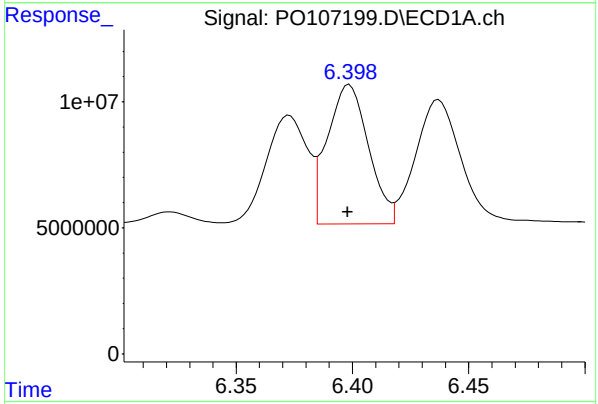
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 68597053
Conc: 264.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



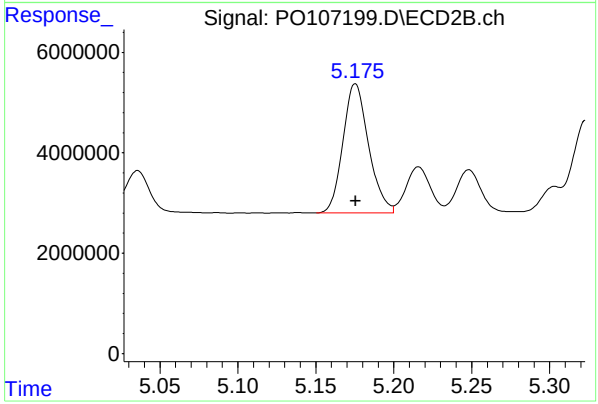
#23 AR-1248-3

R.T.: 5.003 min
Delta R.T.: 0.000 min
Response: 25222976
Conc: 259.02 ng/ml



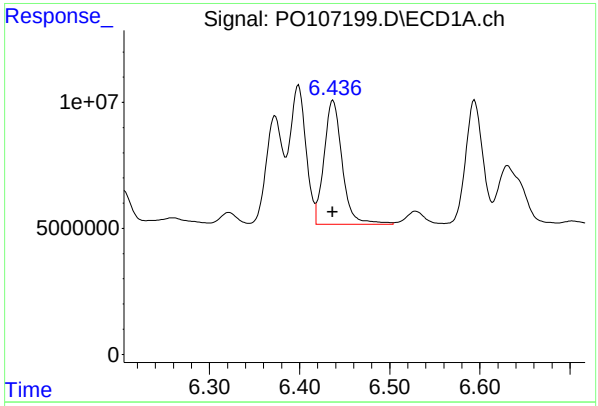
#24 AR-1248-4

R.T.: 6.399 min
Delta R.T.: 0.000 min
Response: 68218183
Conc: 261.84 ng/ml



#24 AR-1248-4

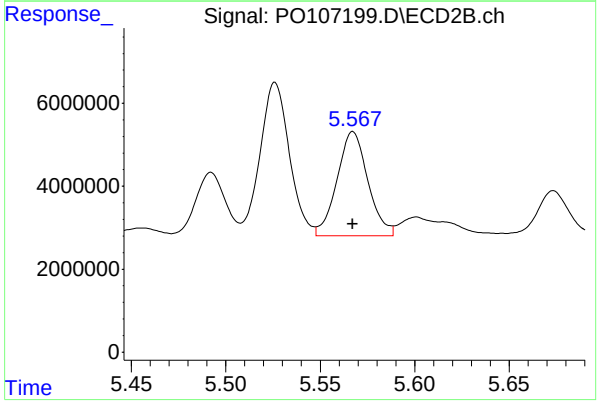
R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 29443172
Conc: 256.56 ng/ml



#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 69078530
Conc: 264.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 28554491
Conc: 260.06 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
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: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	44978867	14828612	4.806	4.328
2)	SA Decachlor...	10.057	8.638	11983506	13399690	4.786	4.800
	Target Compounds						
21)	L5 AR-1248-1	5.521	4.726	9443386	3120120	53.903	48.091
22)	L5 AR-1248-2	5.795	4.962	14018331	4677017	55.269	50.257
23)	L5 AR-1248-3	5.997	5.004	13309890	4810627	51.250	49.402
24)	L5 AR-1248-4	6.398	5.176	13593006	5584554	52.174	48.663
25)	L5 AR-1248-5	6.436	5.567	14015230	5957032	53.753	54.253

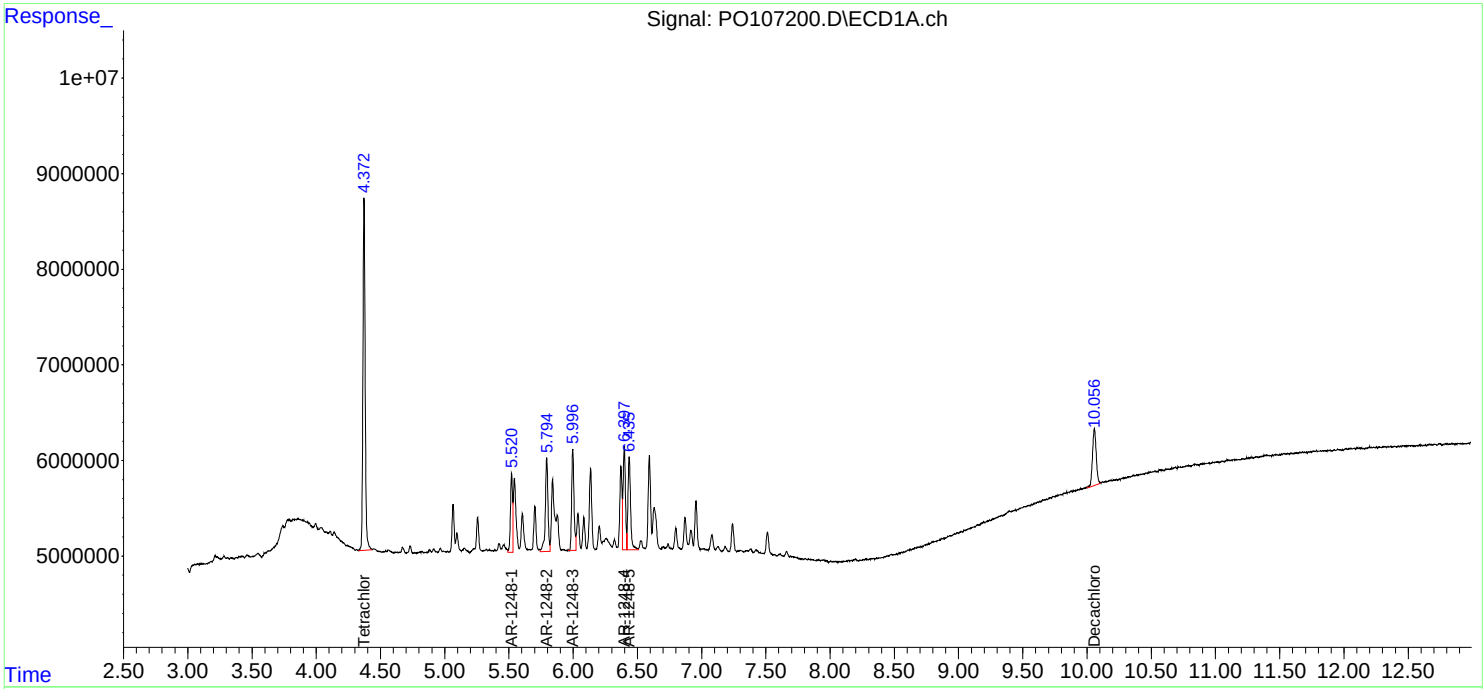
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

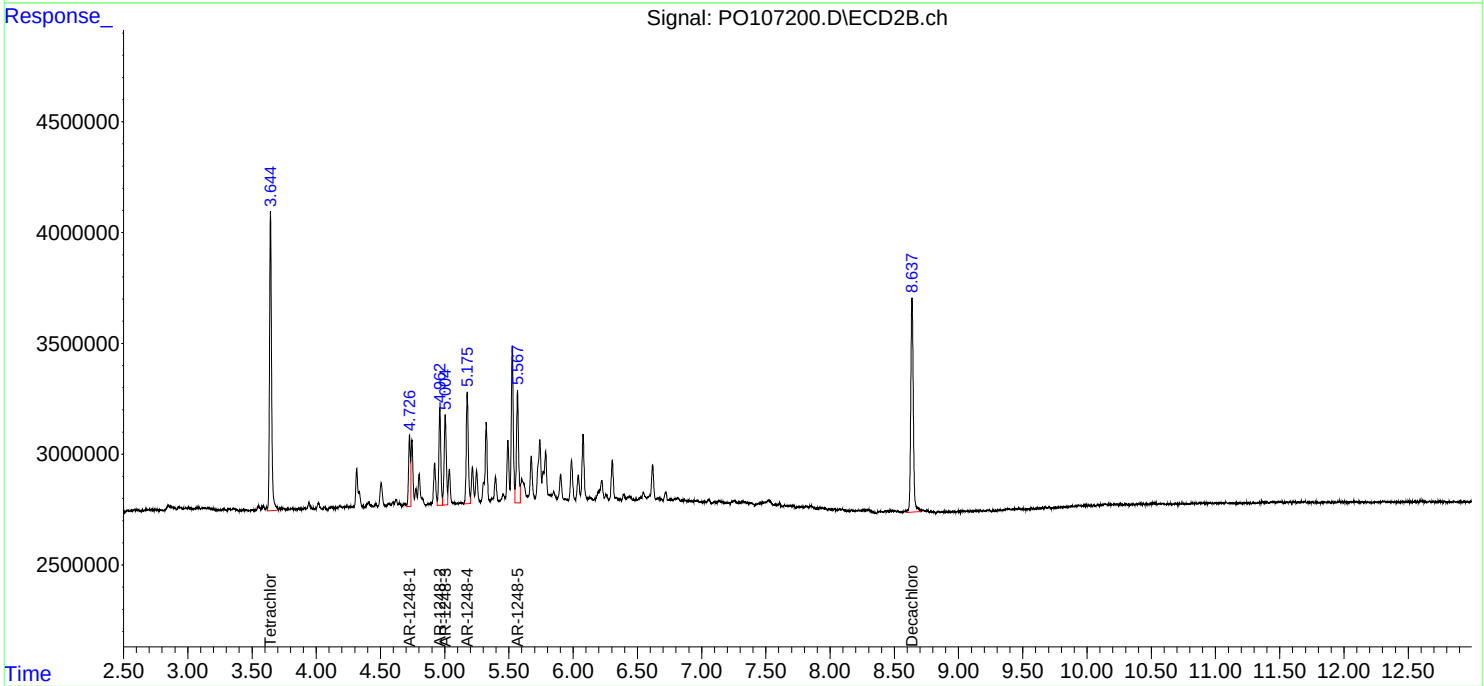
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

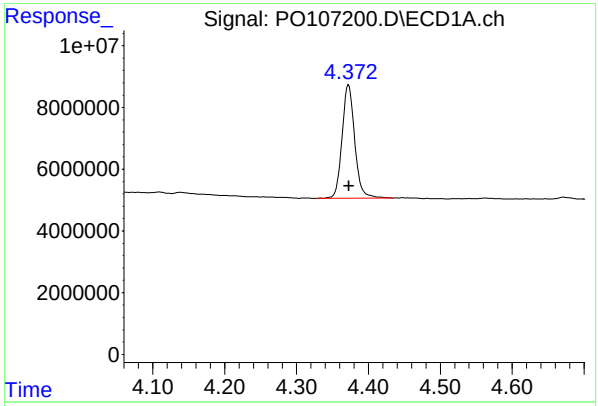
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



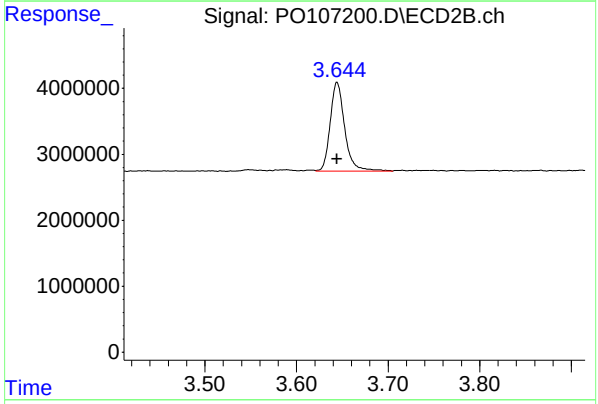




#1 Tetrachloro-m-xylene

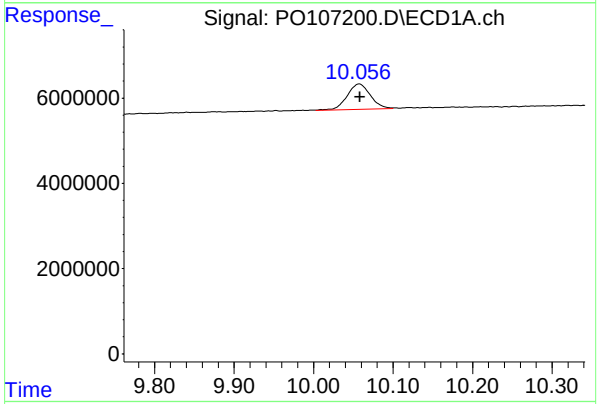
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 44978867
Conc: 4.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



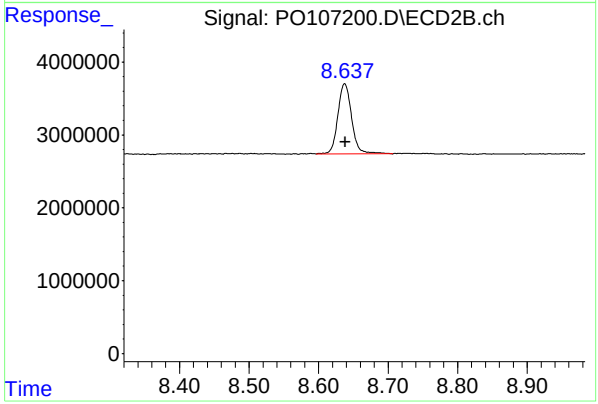
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14828612
Conc: 4.33 ng/ml



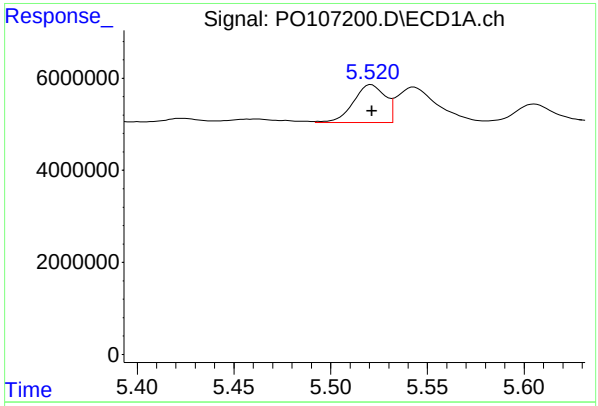
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 11983506
Conc: 4.79 ng/ml



#2 Decachlorobiphenyl

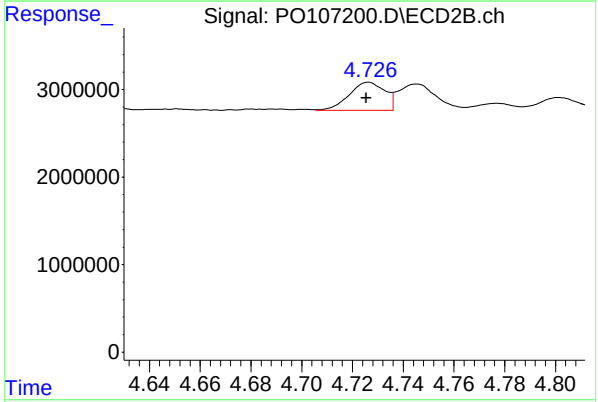
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 13399690
Conc: 4.80 ng/ml



#21 AR-1248-1

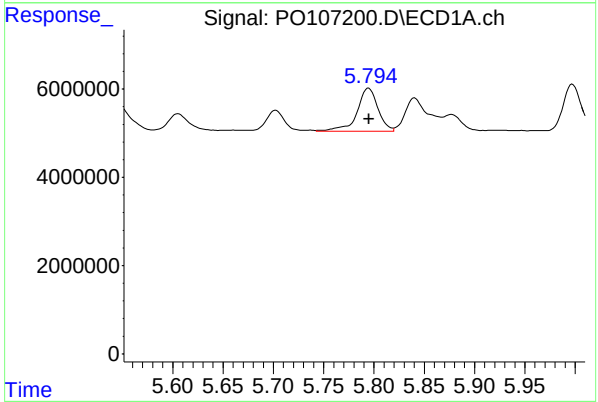
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 9443386
Conc: 53.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



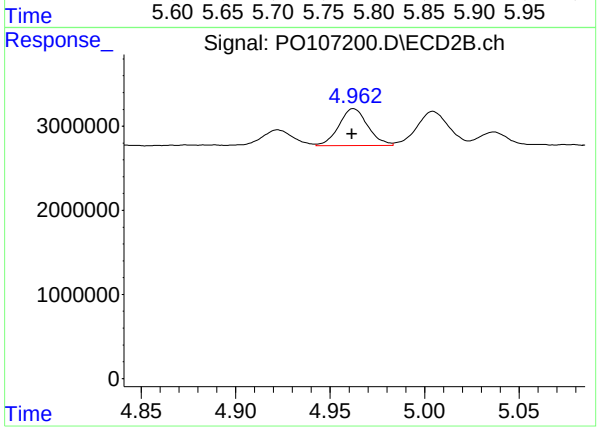
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 3120120
Conc: 48.09 ng/ml



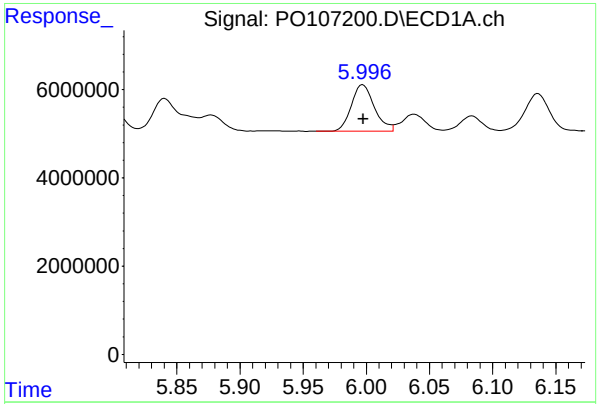
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 14018331
Conc: 55.27 ng/ml



#22 AR-1248-2

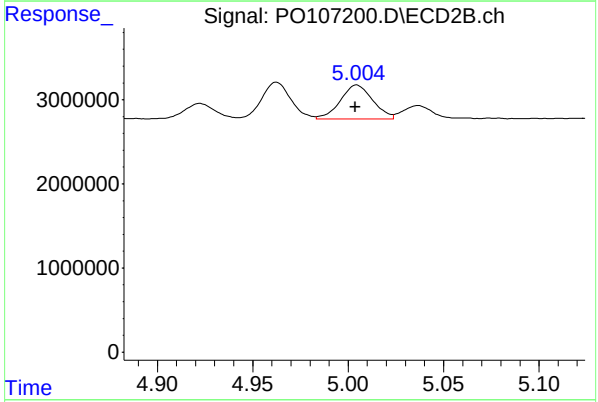
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 4677017
Conc: 50.26 ng/ml



#23 AR-1248-3

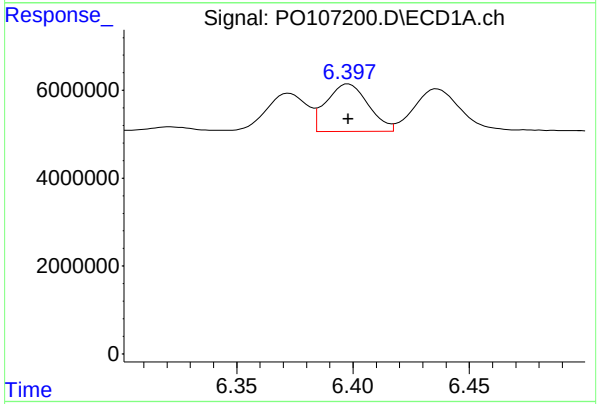
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 13309890
Conc: 51.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



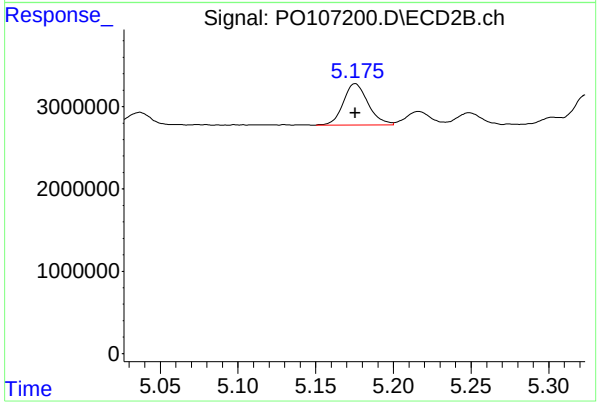
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 4810627
Conc: 49.40 ng/ml



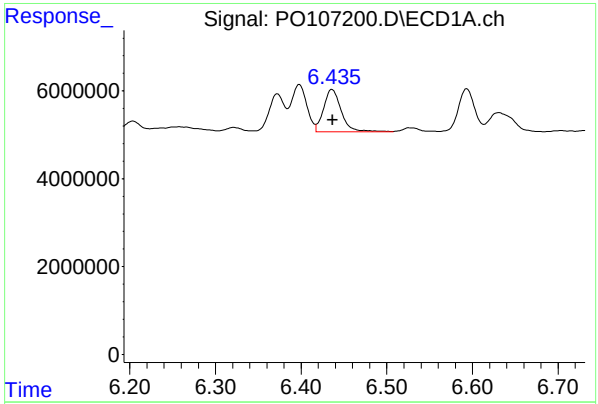
#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 13593006
Conc: 52.17 ng/ml



#24 AR-1248-4

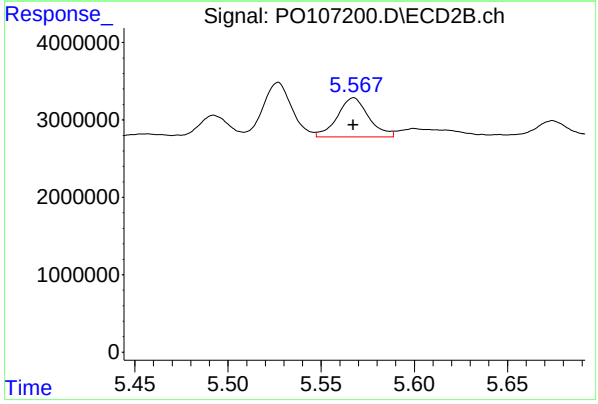
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 5584554
Conc: 48.66 ng/ml



#25 AR-1248-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 14015230
Conc: 53.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 5957032
Conc: 54.25 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
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: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.645	888.4E6	334.8E6	96.727	99.808
2)	SA Decachlor...	10.058	8.638	235.8E6	272.7E6	93.987	98.323
	Target Compounds						
26)	L6 AR-1254-1	6.374	5.526	246.8E6	159.9E6	931.434	965.611
27)	L6 AR-1254-2	6.593	5.674	348.1E6	138.5E6	933.222	957.951
28)	L6 AR-1254-3	6.957	6.077	336.3E6	227.1E6	944.885	977.812
29)	L6 AR-1254-4	7.242	6.304	213.1E6	128.2E6	938.161	976.528
30)	L6 AR-1254-5	7.663	6.721	194.6E6	191.9E6	945.308	982.221

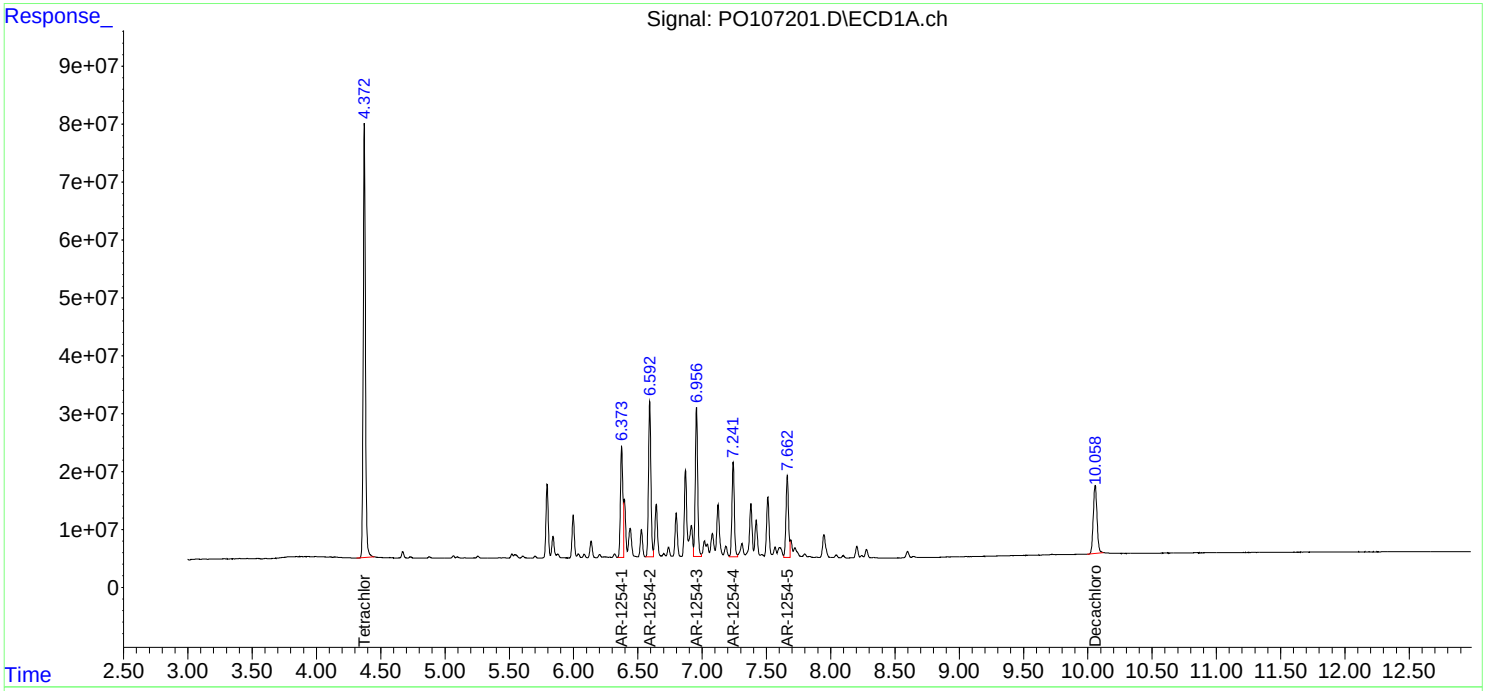
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

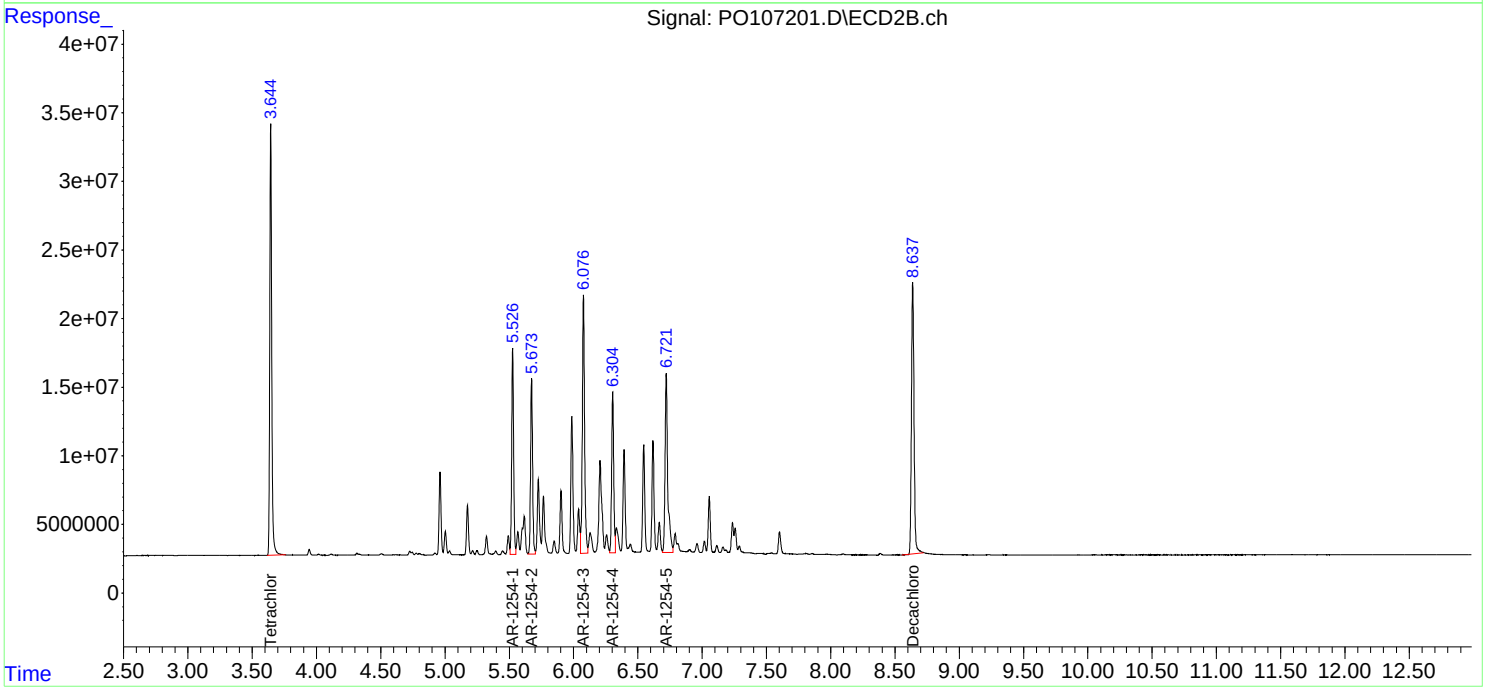
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

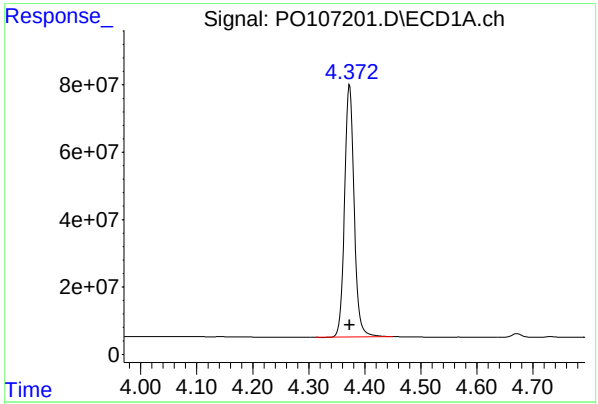
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



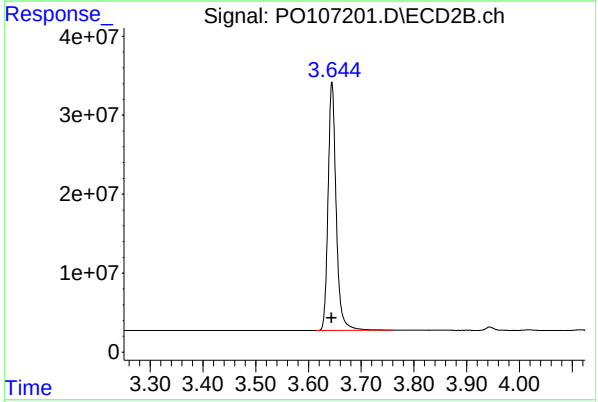




#1 Tetrachloro-m-xylene

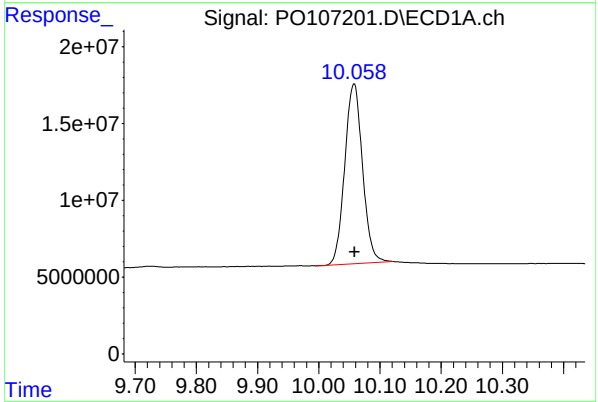
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 888376323
Conc: 96.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



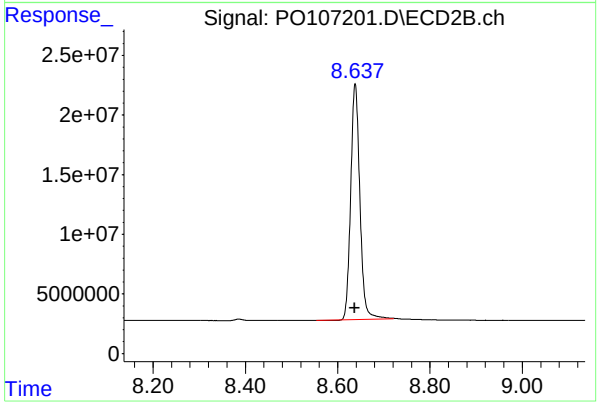
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 334779956
Conc: 99.81 ng/ml



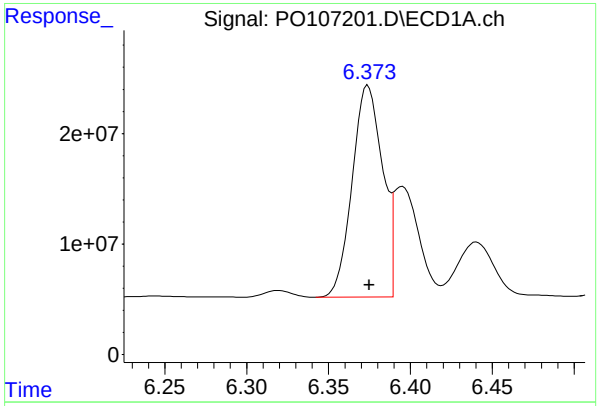
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 235774621
Conc: 93.99 ng/ml



#2 Decachlorobiphenyl

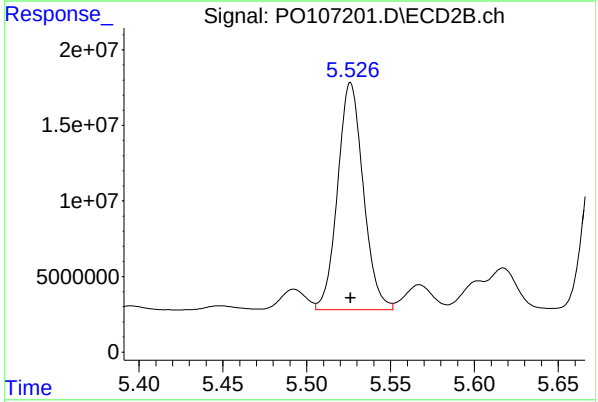
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 272692715
Conc: 98.32 ng/ml



#26 AR-1254-1

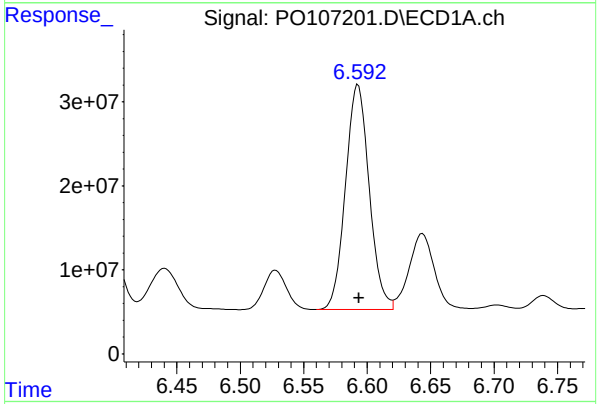
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 246822697
Conc: 931.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



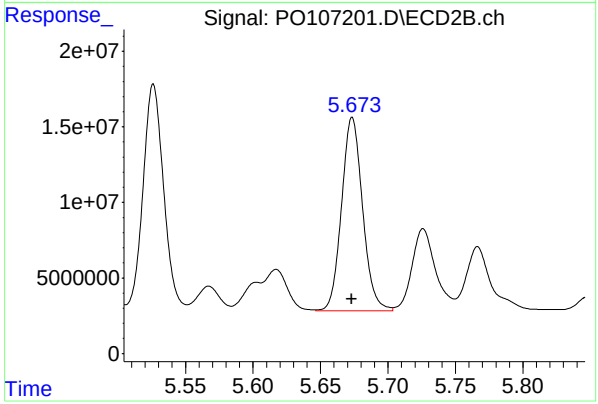
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 159855276
Conc: 965.61 ng/ml



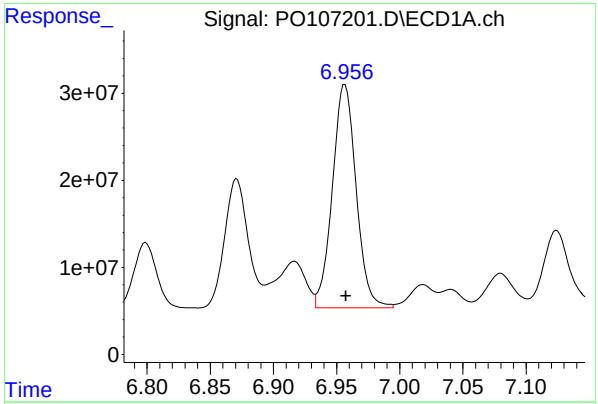
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 348120894
Conc: 933.22 ng/ml



#27 AR-1254-2

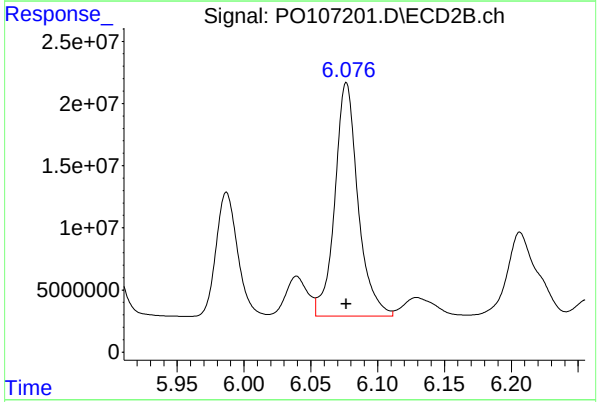
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 138468840
Conc: 957.95 ng/ml



#28 AR-1254-3

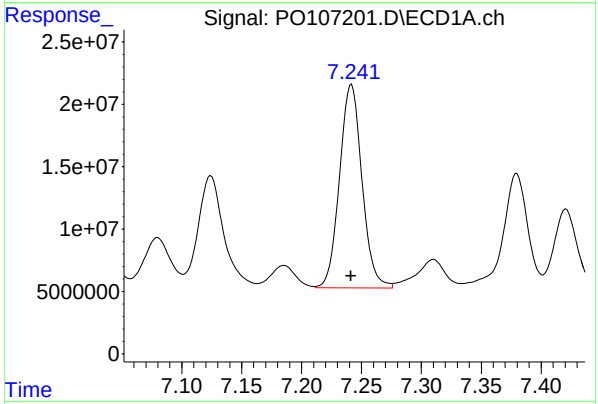
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 336293322
Conc: 944.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



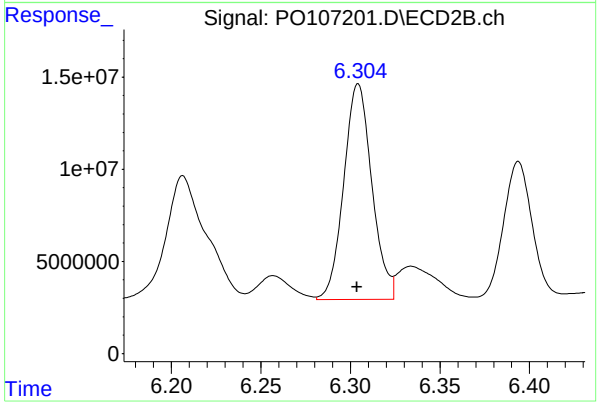
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 227061110
Conc: 977.81 ng/ml



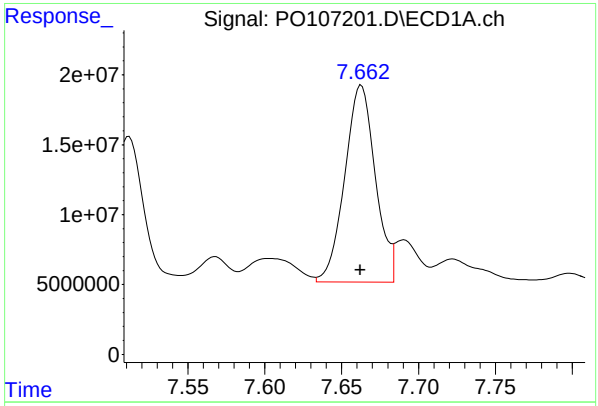
#29 AR-1254-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 213138598
Conc: 938.16 ng/ml



#29 AR-1254-4

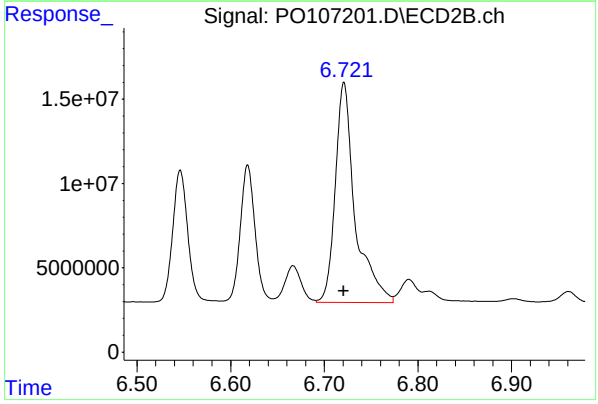
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 128242906
Conc: 976.53 ng/ml



#30 AR-1254-5

R.T.: 7.663 min
Delta R.T.: 0.000 min
Response: 194609638
Conc: 945.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 191904554
Conc: 982.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
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: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	687.3E6	254.8E6	74.839	75.963
2)	SA Decachlor...	10.058	8.638	180.1E6	205.4E6	71.810	74.047
	Target Compounds						
26)	L6 AR-1254-1	6.374	5.526	192.4E6	122.9E6	726.190	742.326
27)	L6 AR-1254-2	6.593	5.673	271.2E6	106.7E6	727.100	738.182
28)	L6 AR-1254-3	6.957	6.076	259.2E6	173.5E6	728.388	747.327
29)	L6 AR-1254-4	7.241	6.303	165.1E6	97687474	726.838	743.858
30)	L6 AR-1254-5	7.662	6.721	150.8E6	146.4E6	732.514	749.136

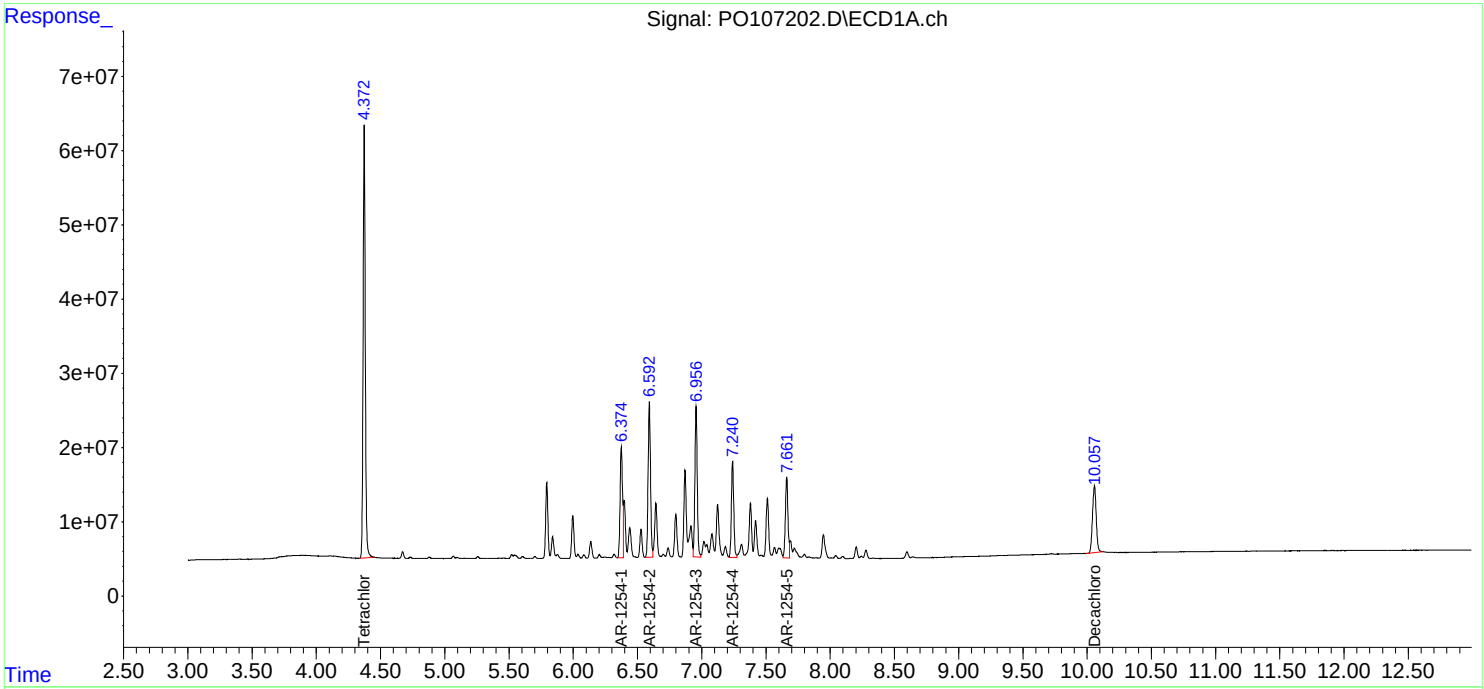
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

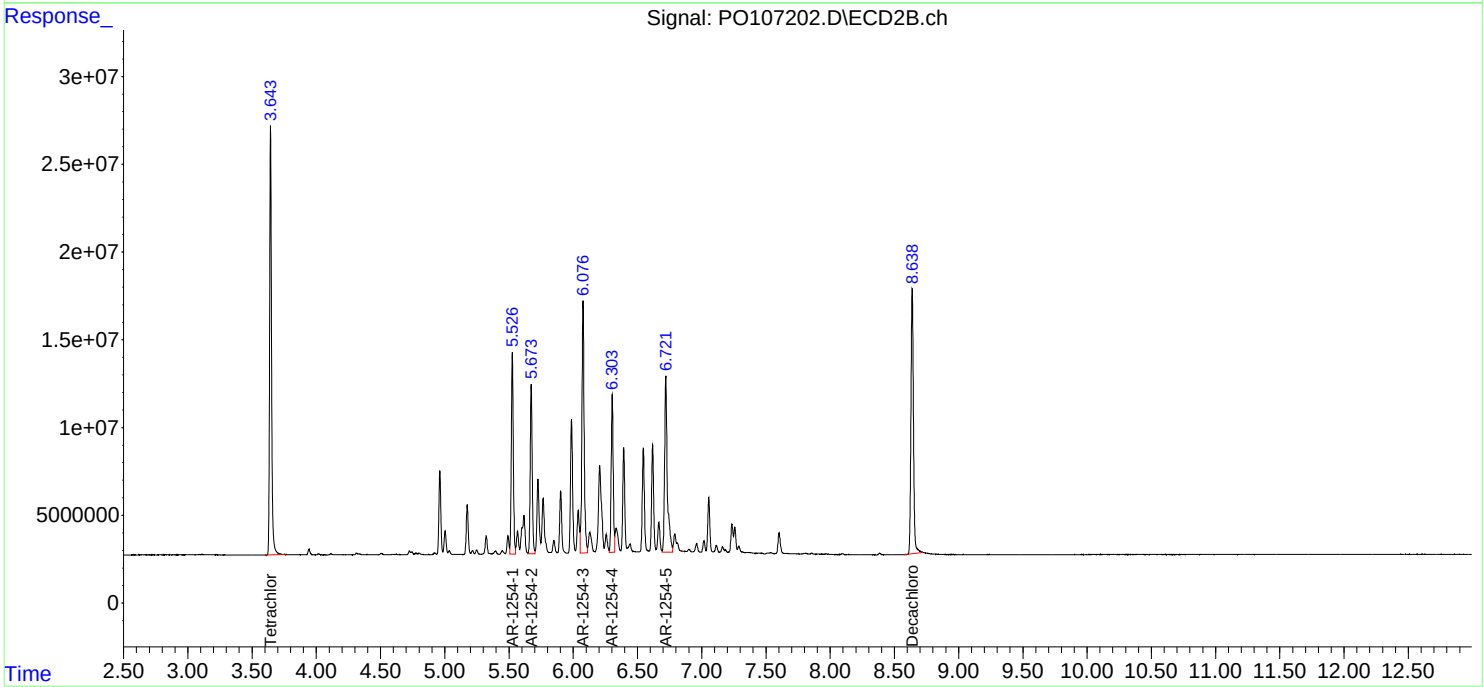
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

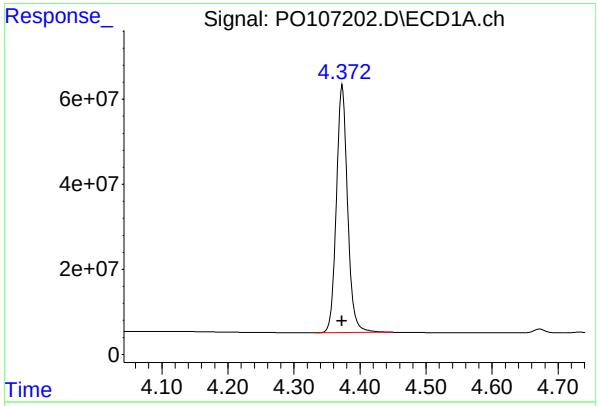
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



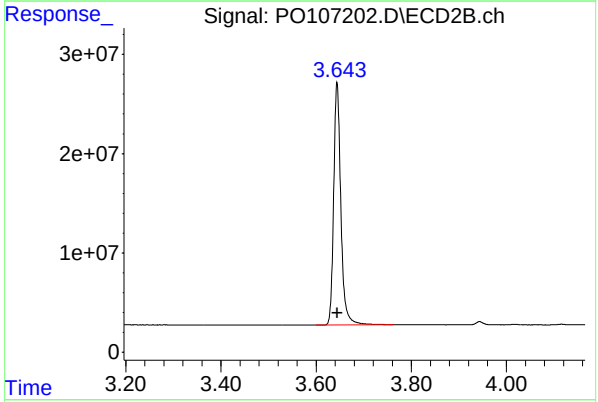




#1 Tetrachloro-m-xylene

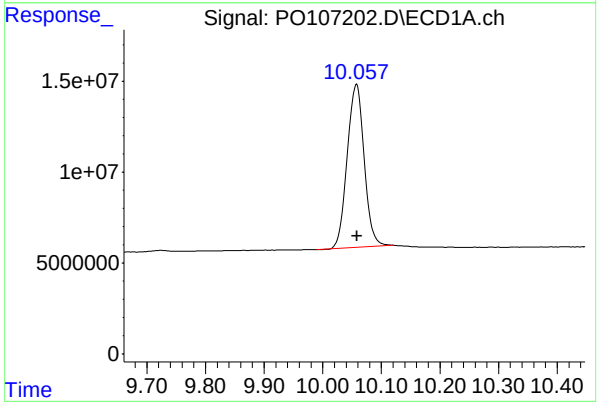
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 687347049
Conc: 74.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



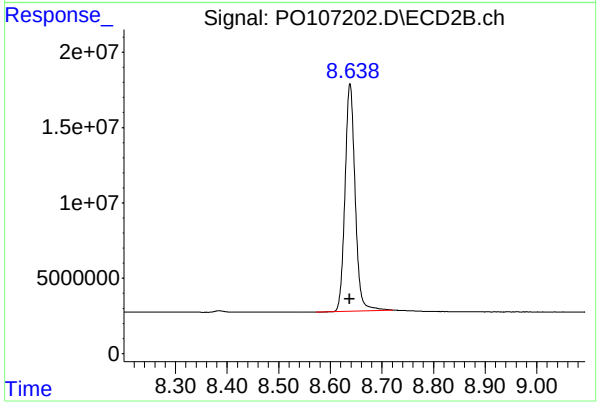
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 254800172
Conc: 75.96 ng/ml



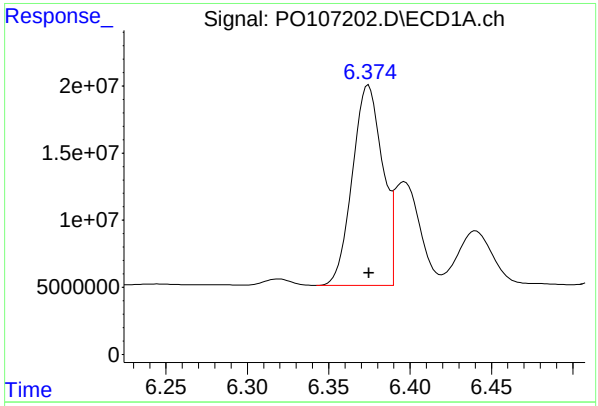
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 180142327
Conc: 71.81 ng/ml



#2 Decachlorobiphenyl

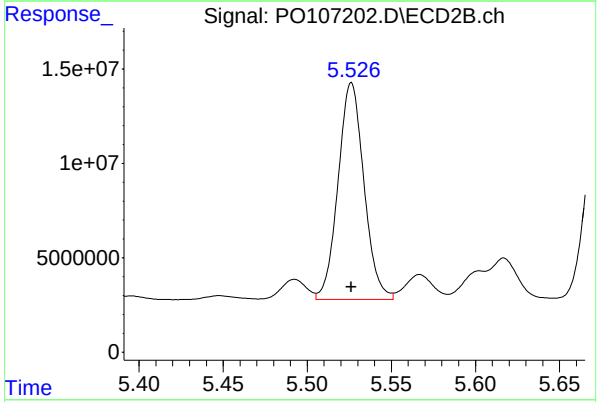
R.T.: 8.638 min
Delta R.T.: 0.001 min
Response: 205364304
Conc: 74.05 ng/ml



#26 AR-1254-1

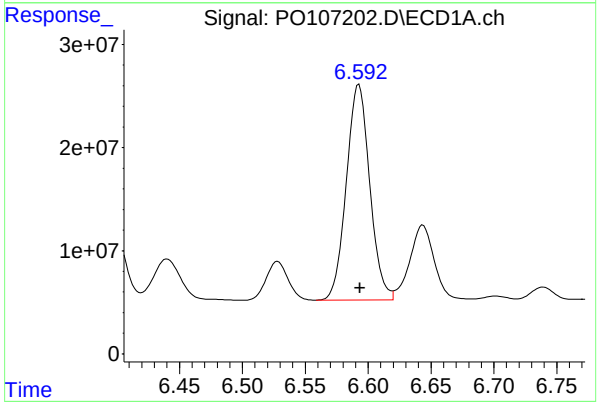
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 192434762
Conc: 726.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



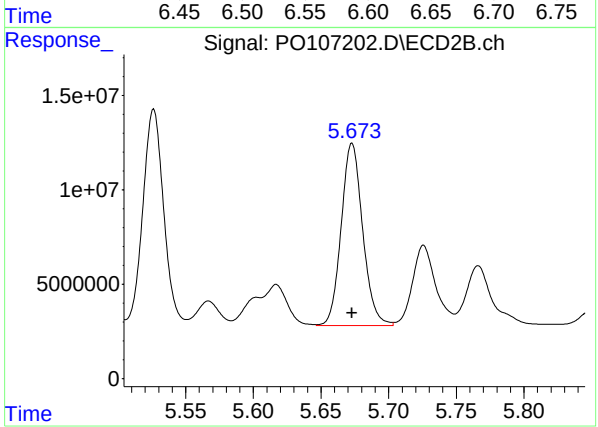
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 122890903
Conc: 742.33 ng/ml



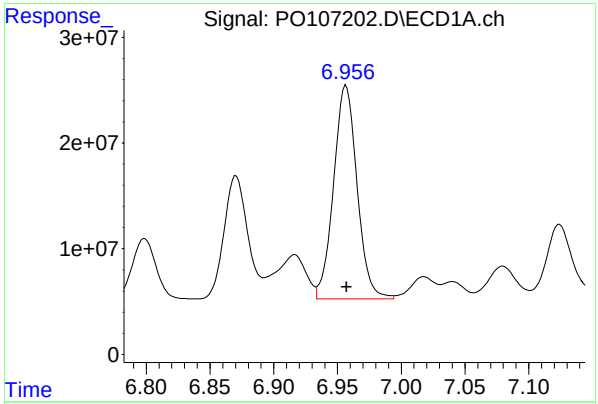
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 271231166
Conc: 727.10 ng/ml



#27 AR-1254-2

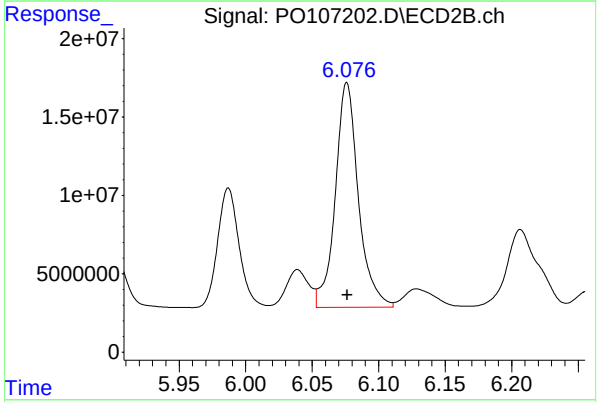
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 106702001
Conc: 738.18 ng/ml



#28 AR-1254-3

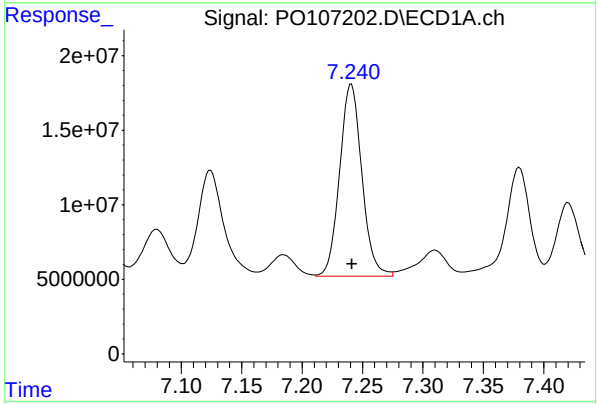
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 259240057
Conc: 728.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



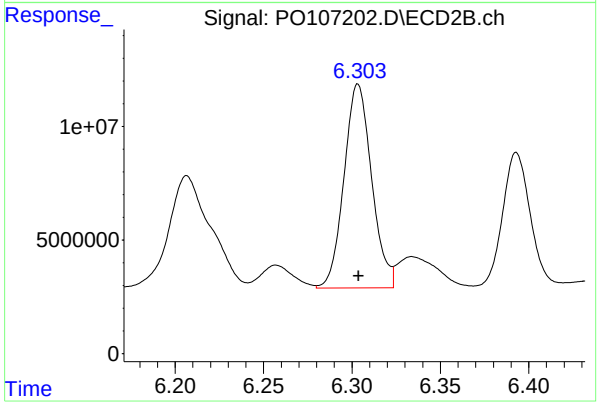
#28 AR-1254-3

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 173539463
Conc: 747.33 ng/ml



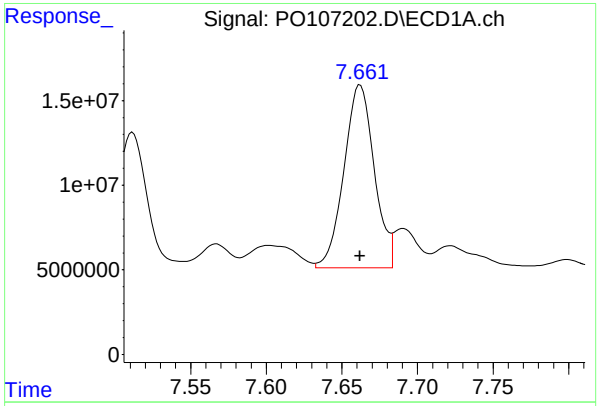
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 165128627
Conc: 726.84 ng/ml



#29 AR-1254-4

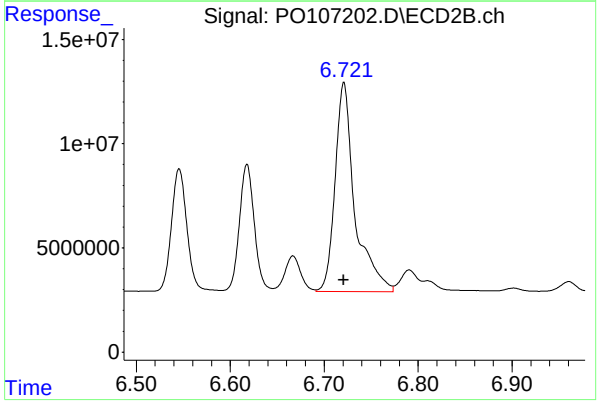
R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 97687474
Conc: 743.86 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 150801906
Conc: 732.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 146364864
Conc: 749.14 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
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: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	459.2E6	167.7E6	50.000	50.000
2)	SA Decachlor...	10.059	8.637	125.4E6	138.7E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.375	5.526	132.5E6	82774166	500.000	500.000
27)	L6 AR-1254-2	6.593	5.673	186.5E6	72273461	500.000	500.000
28)	L6 AR-1254-3	6.957	6.077	178.0E6	116.1E6	500.000	500.000
29)	L6 AR-1254-4	7.241	6.304	113.6E6	65662675	500.000	500.000
30)	L6 AR-1254-5	7.662	6.721	102.9E6	97689052	500.000	500.000

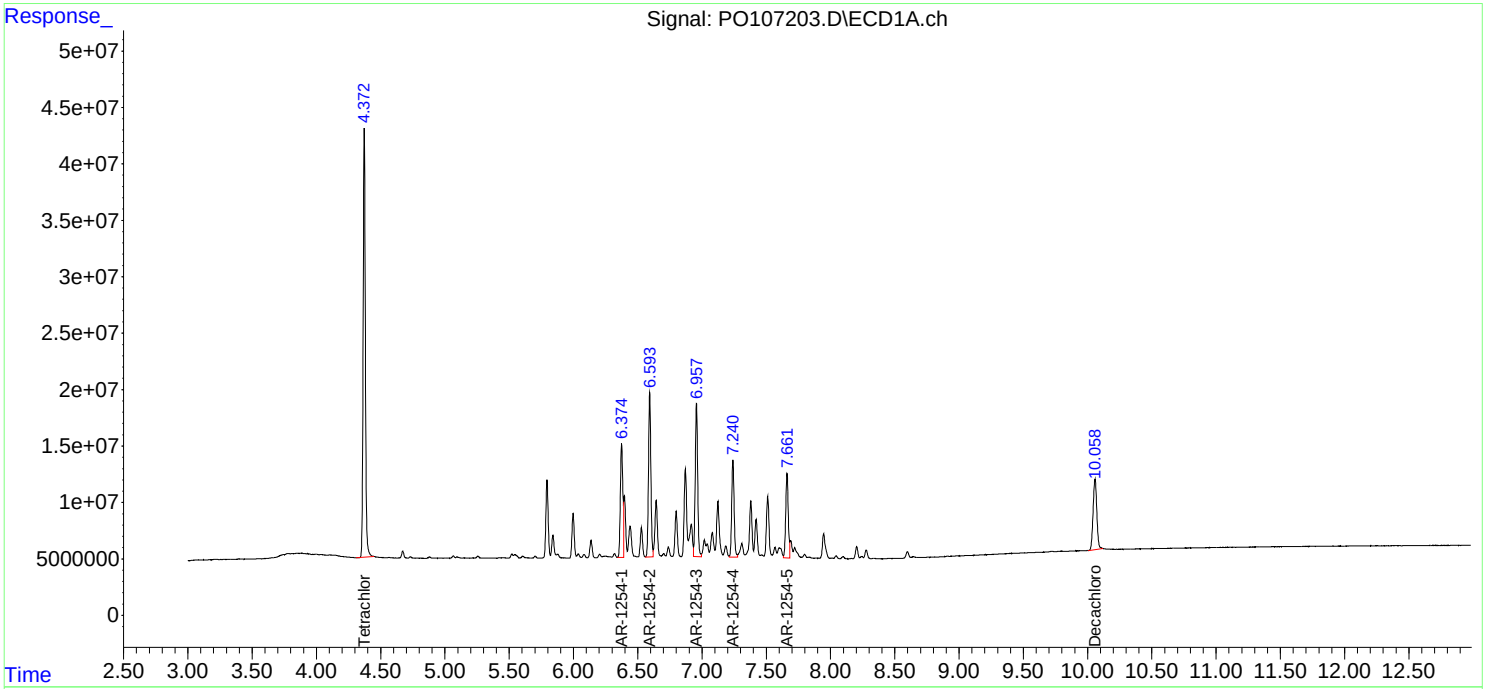
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

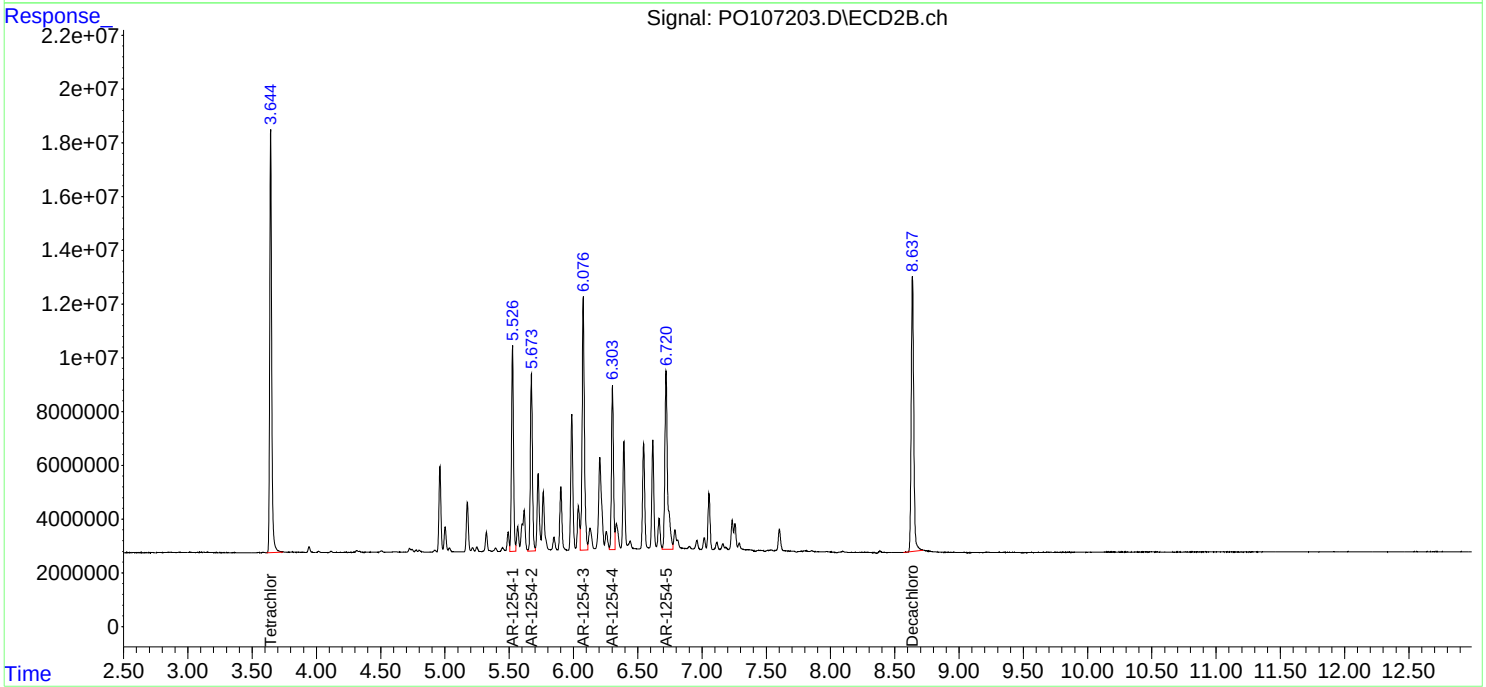
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

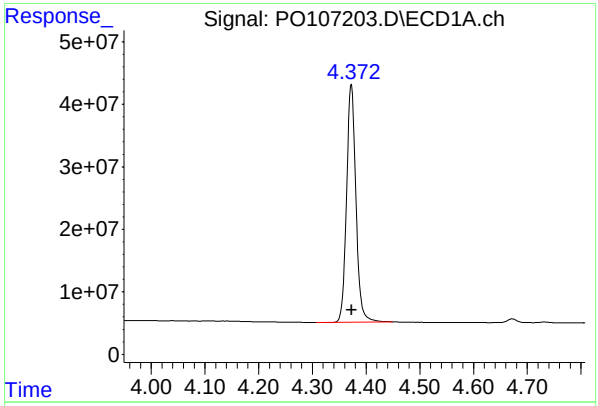
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



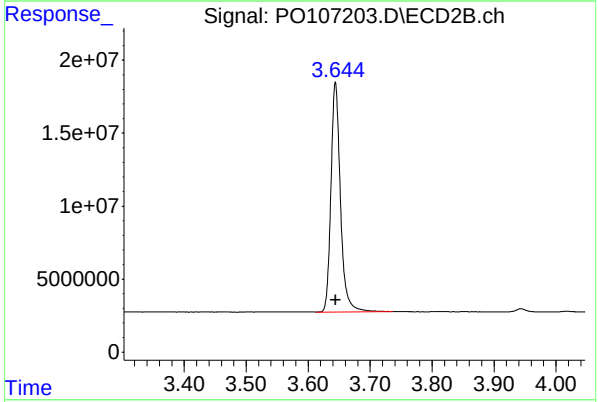




#1 Tetrachloro-m-xylene

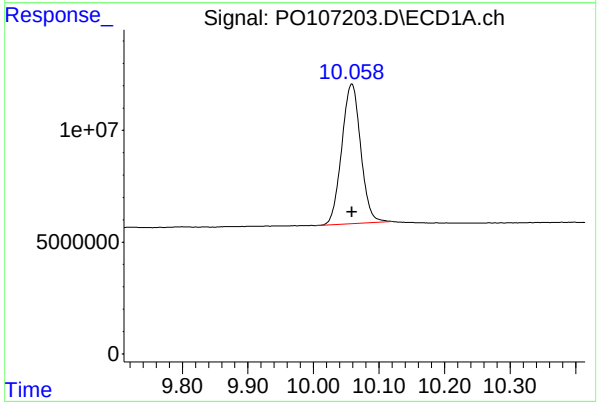
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 459218453
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



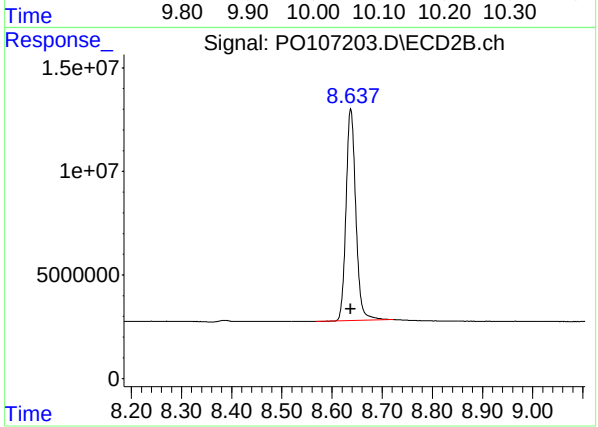
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 167712333
Conc: 50.00 ng/ml



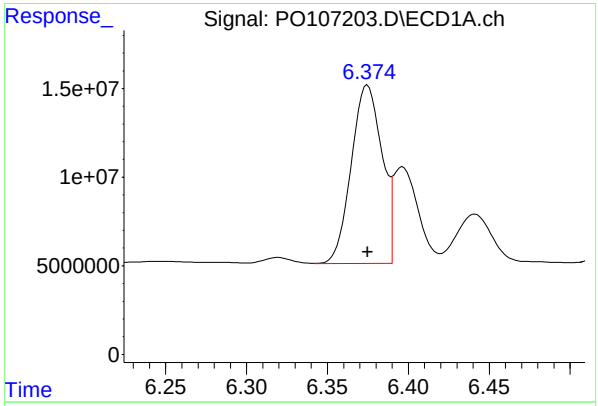
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 125429700
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

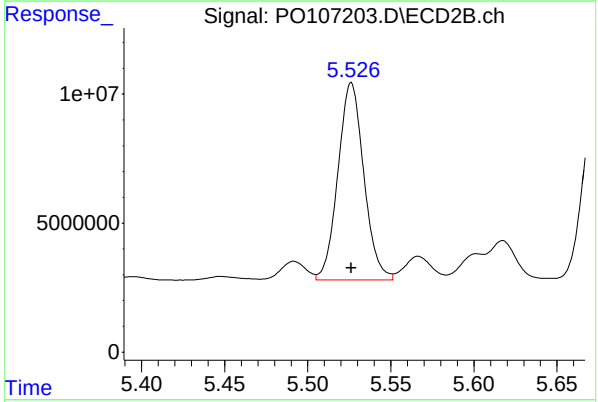
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 138672356
Conc: 50.00 ng/ml



#26 AR-1254-1

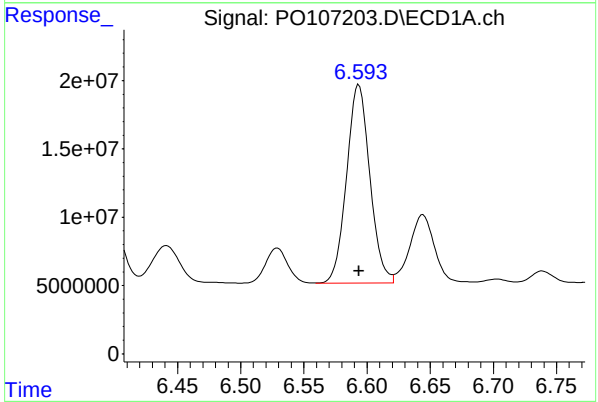
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 132496121
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



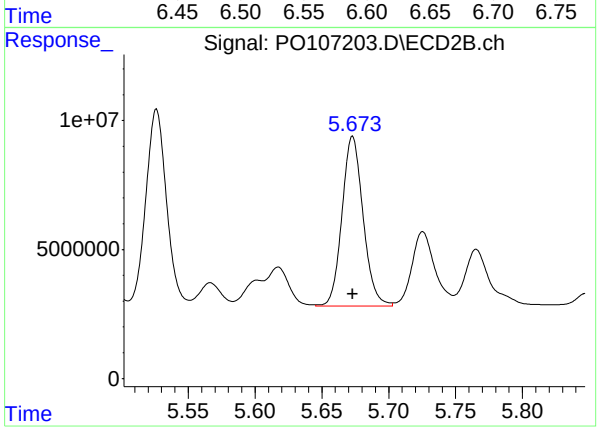
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 82774166
Conc: 500.00 ng/ml



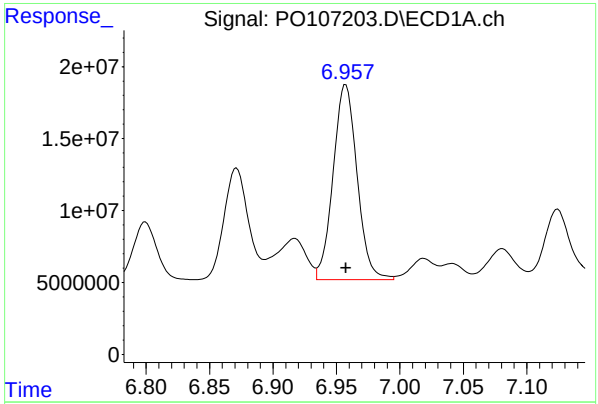
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 186515619
Conc: 500.00 ng/ml



#27 AR-1254-2

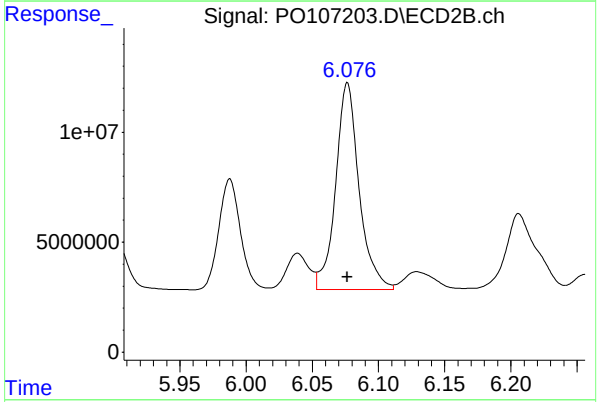
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 72273461
Conc: 500.00 ng/ml



#28 AR-1254-3

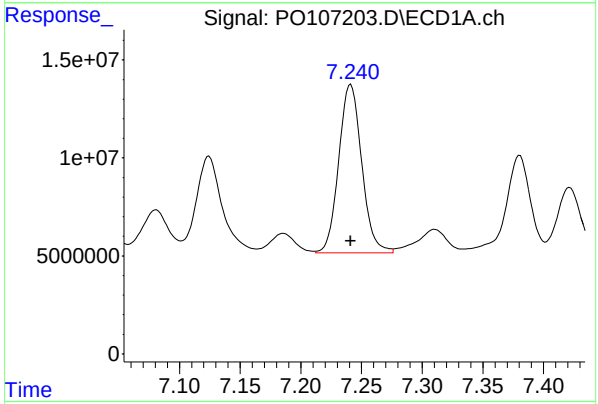
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 177954653
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



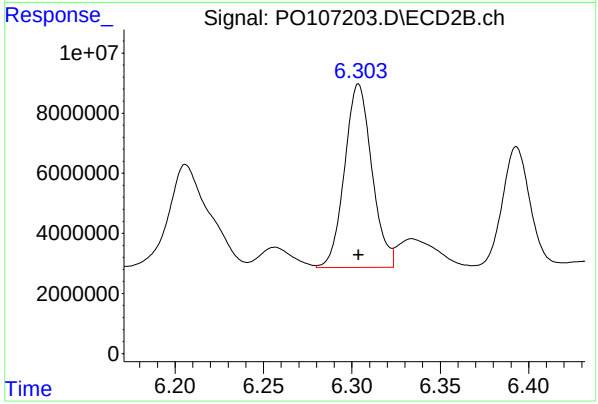
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 116106703
Conc: 500.00 ng/ml



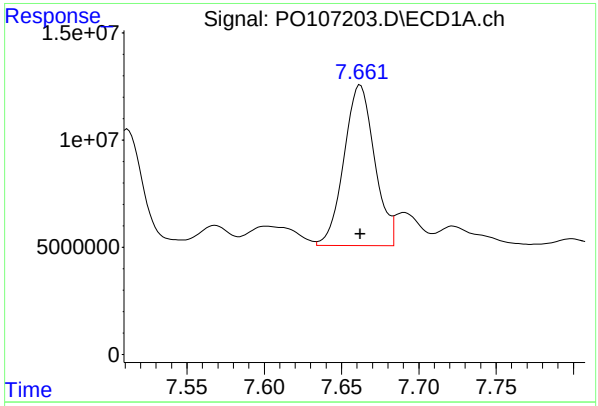
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 113593844
Conc: 500.00 ng/ml



#29 AR-1254-4

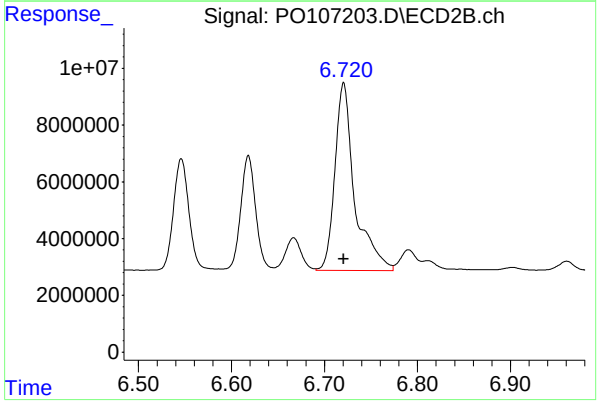
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 65662675
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 102934514
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 97689052
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
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: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	237.7E6	84055907	25.883	25.060
2)	SA Decachlor...	10.058	8.638	65039455	70920394	25.927	25.571
	Target Compounds						
26)	L6 AR-1254-1	6.374	5.527	71547490	42929426	269.998	259.317
27)	L6 AR-1254-2	6.593	5.674	100.3E6	37831493	268.904	261.725
28)	L6 AR-1254-3	6.956	6.078	94624615	59643812	265.867	256.849
29)	L6 AR-1254-4	7.241	6.305	60632555	33801761	266.883	257.389
30)	L6 AR-1254-5	7.662	6.721	55034918	50297216	267.330	257.435

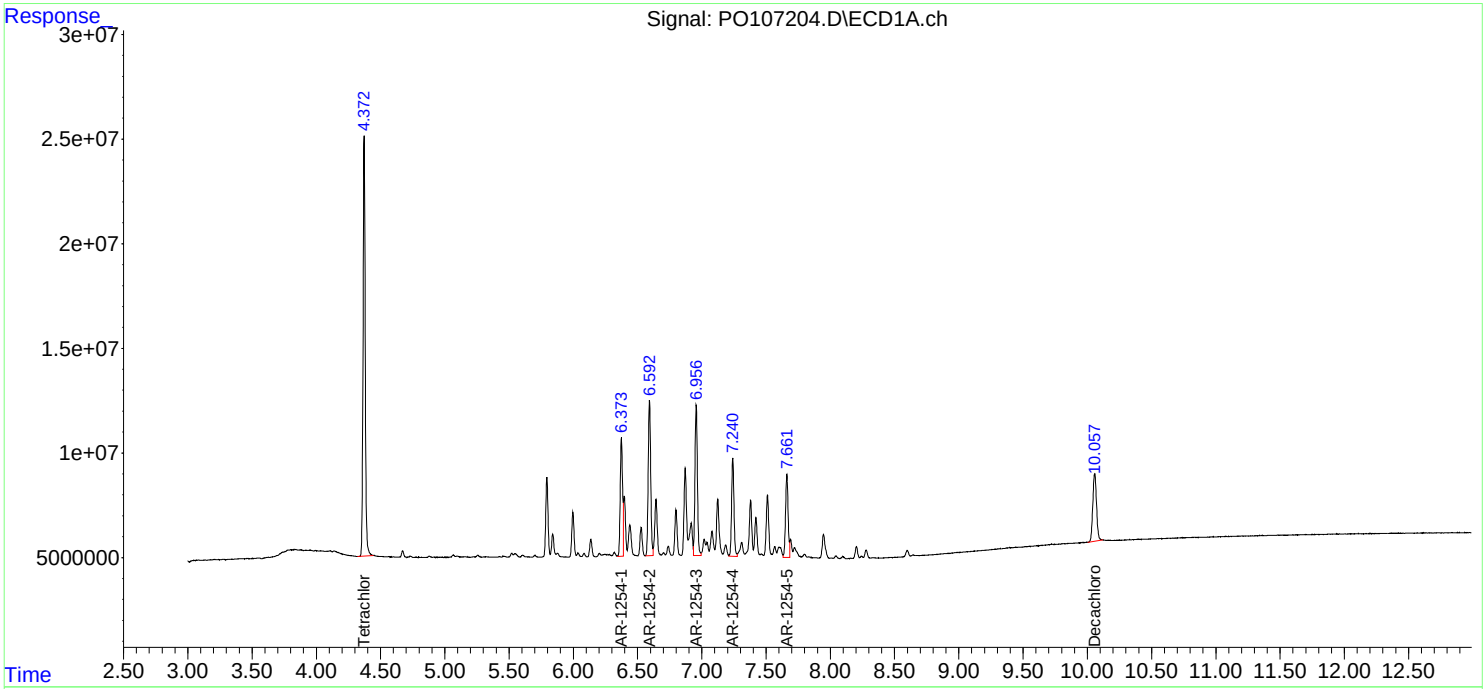
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

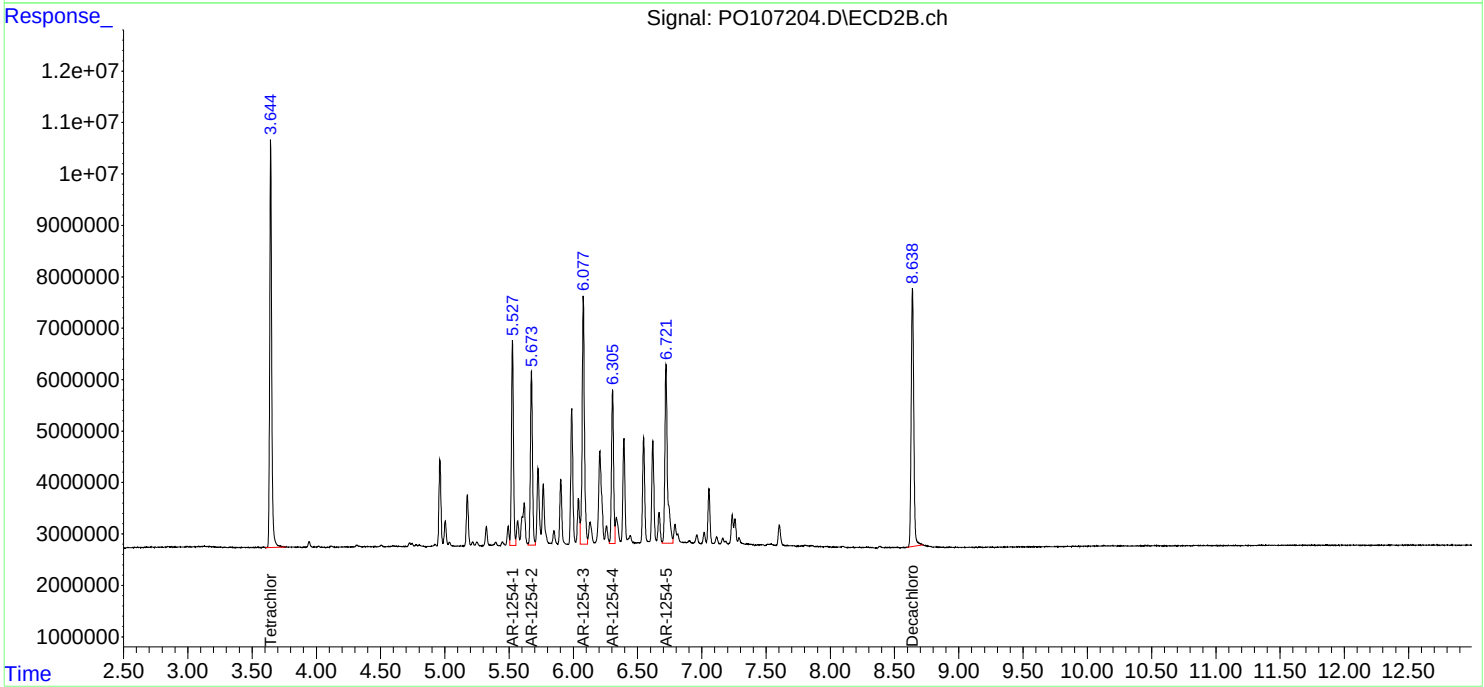
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

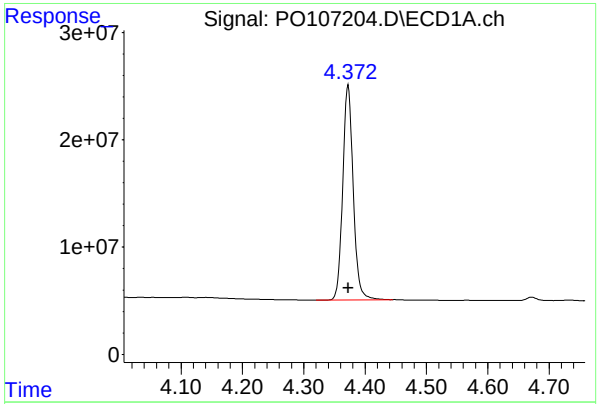
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



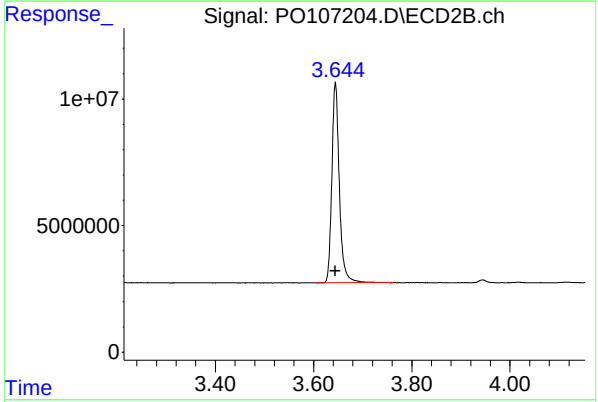




#1 Tetrachloro-m-xylene

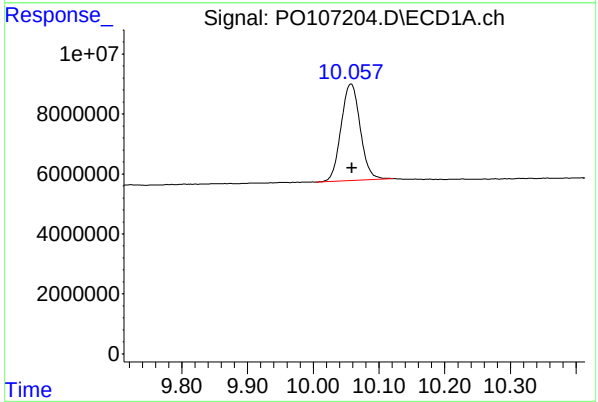
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 237720712
Conc: 25.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



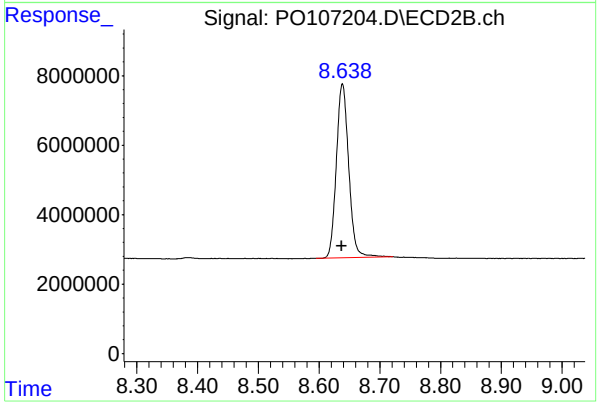
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 84055907
Conc: 25.06 ng/ml



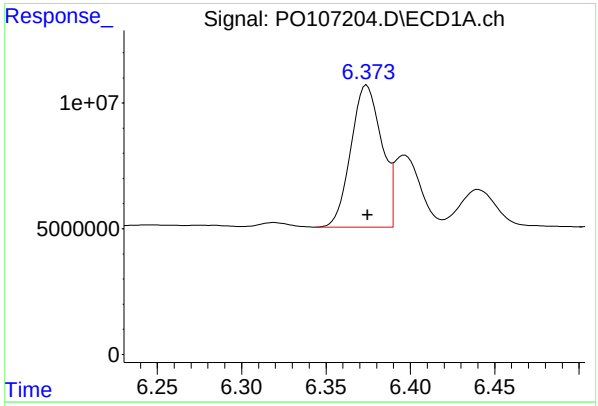
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 65039455
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

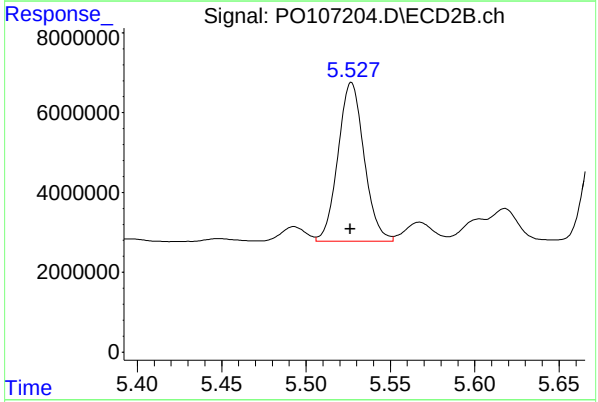
R.T.: 8.638 min
Delta R.T.: 0.001 min
Response: 70920394
Conc: 25.57 ng/ml



#26 AR-1254-1

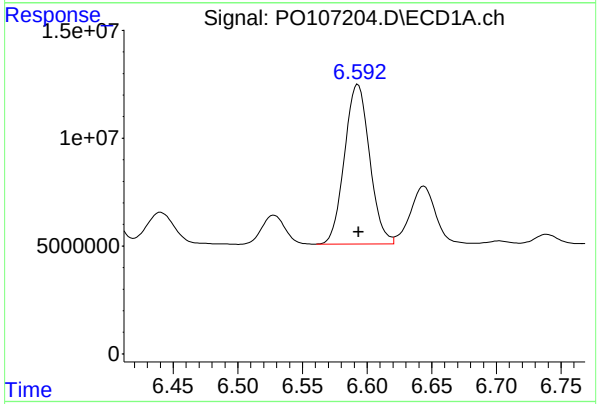
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 71547490
Conc: 270.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



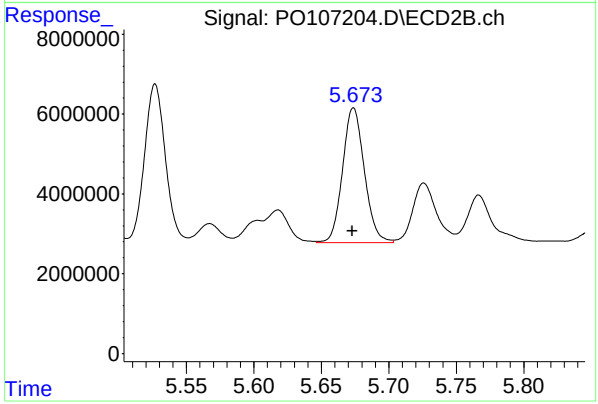
#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 42929426
Conc: 259.32 ng/ml



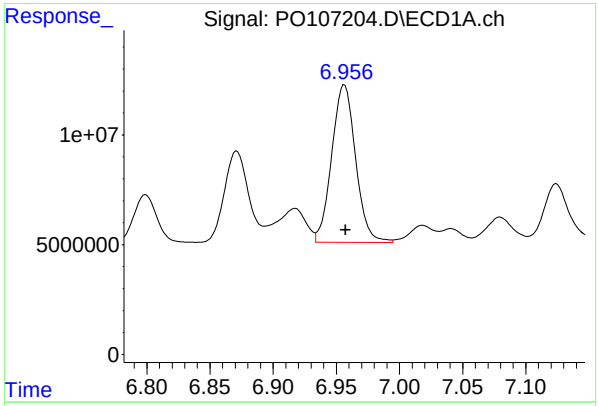
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 100309495
Conc: 268.90 ng/ml



#27 AR-1254-2

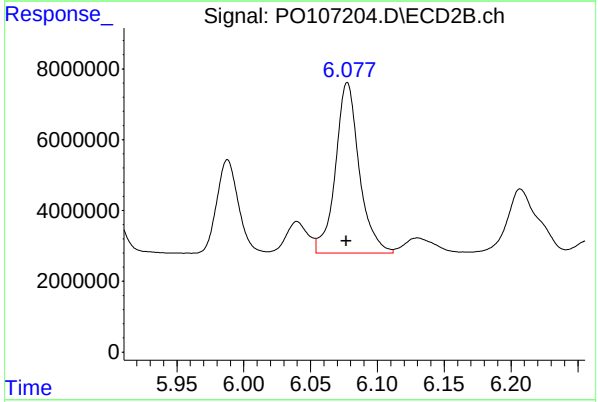
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 37831493
Conc: 261.72 ng/ml



#28 AR-1254-3

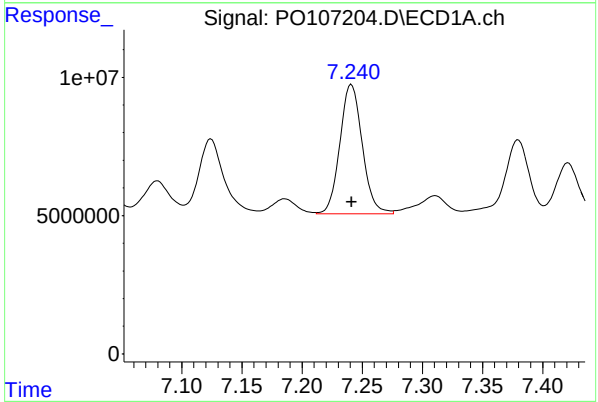
R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 94624615
Conc: 265.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



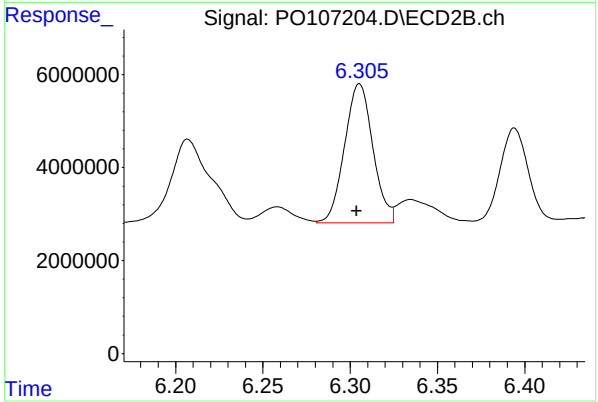
#28 AR-1254-3

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 59643812
Conc: 256.85 ng/ml



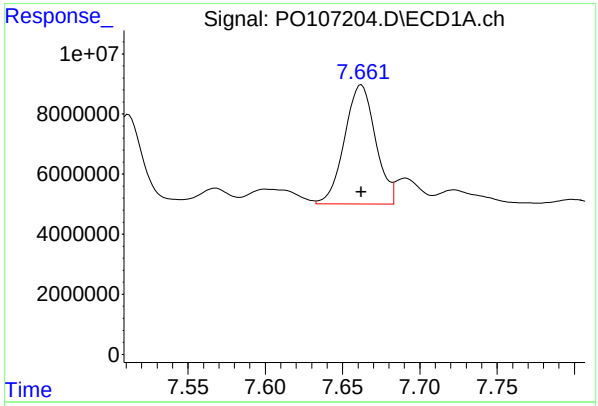
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 60632555
Conc: 266.88 ng/ml



#29 AR-1254-4

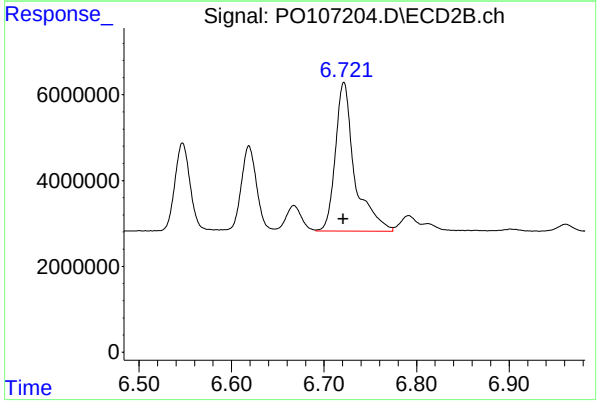
R.T.: 6.305 min
Delta R.T.: 0.002 min
Response: 33801761
Conc: 257.39 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 55034918
Conc: 267.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 50297216
Conc: 257.44 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
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: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.645	43957547	14653198	4.786	4.369
2)	SA Decachlor...	10.057	8.638	11796837	12993699	4.703	4.685
	Target Compounds						
26)	L6 AR-1254-1	6.375	5.527	14457853	8148243	54.560	49.220
27)	L6 AR-1254-2	6.593	5.674	20149788	7410157	54.016	51.265
28)	L6 AR-1254-3	6.956	6.077	18631522	10943354	52.349	47.126
29)	L6 AR-1254-4	7.241	6.304	12202348	6104594	53.710	46.485
30)	L6 AR-1254-5	7.662	6.721	10827332	8581830	52.593	43.924

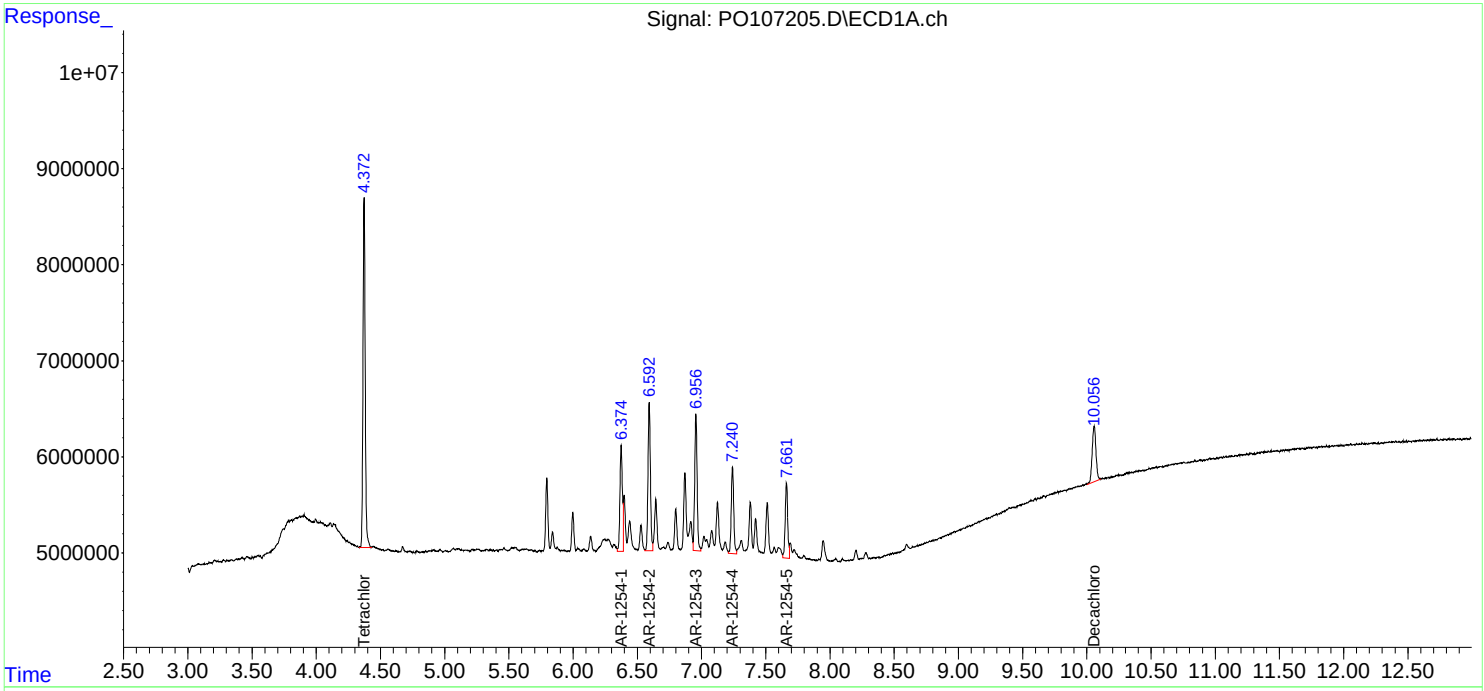
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

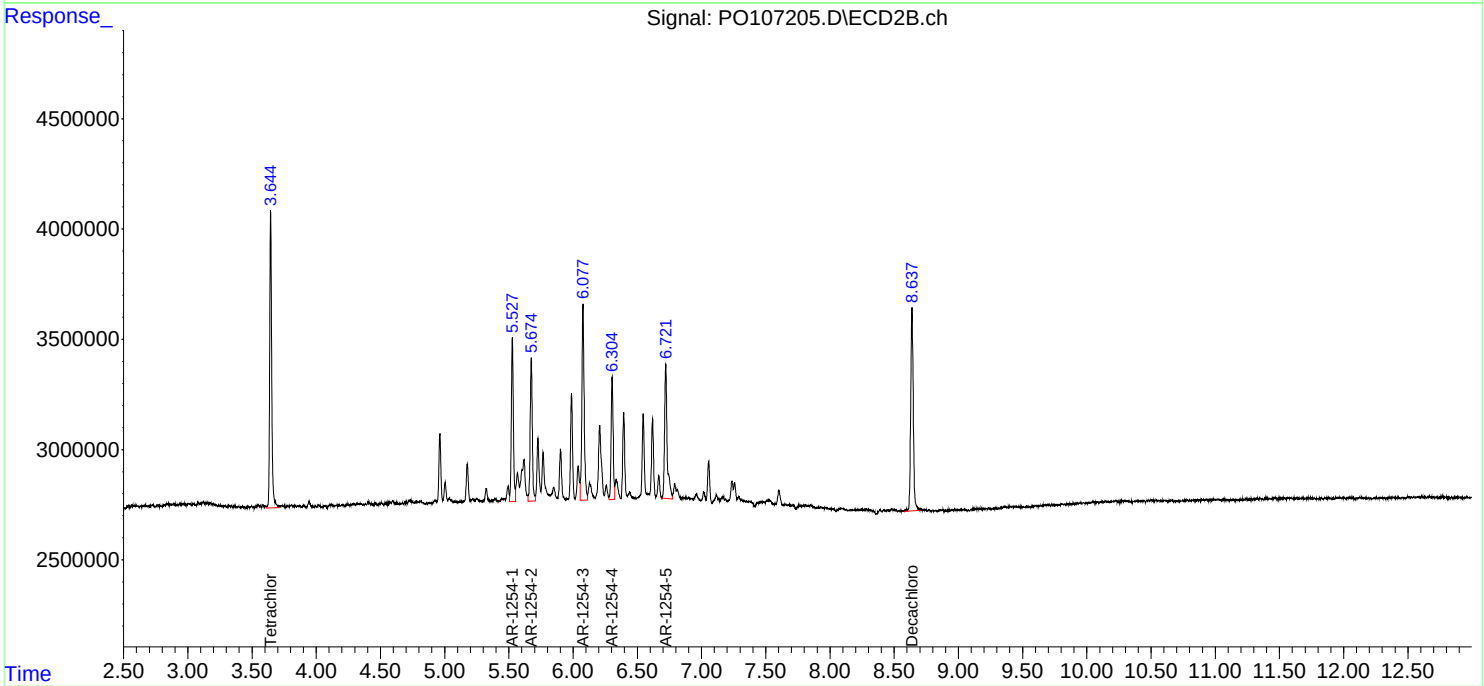
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

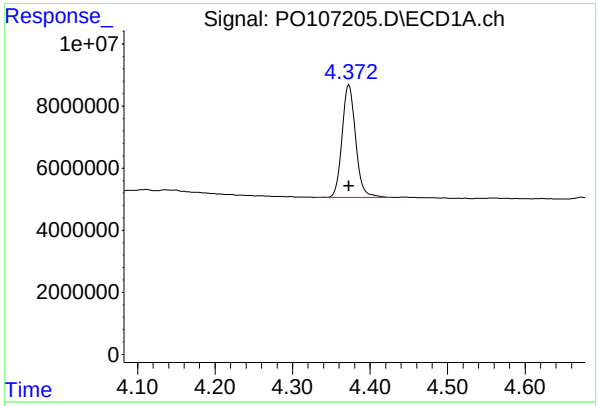
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



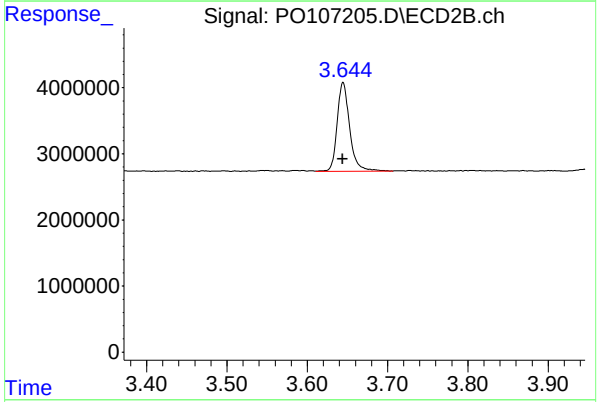




#1 Tetrachloro-m-xylene

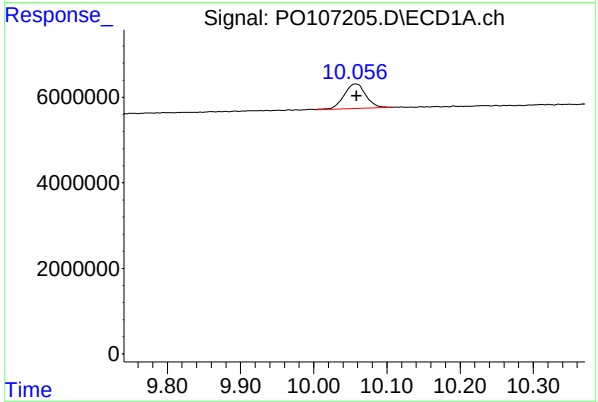
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 43957547
Conc: 4.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



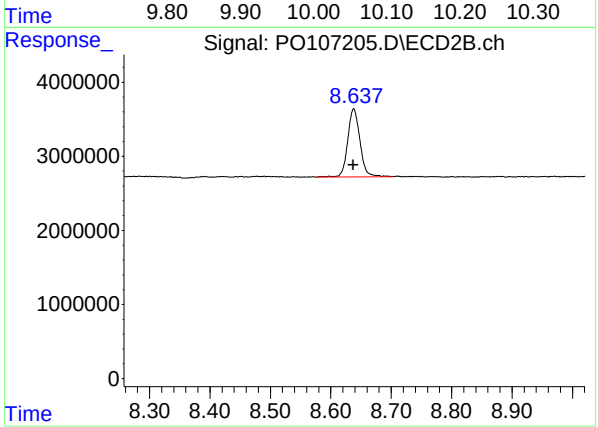
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14653198
Conc: 4.37 ng/ml



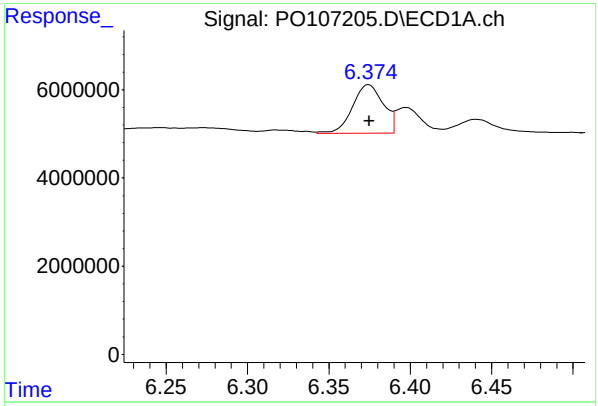
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 11796837
Conc: 4.70 ng/ml



#2 Decachlorobiphenyl

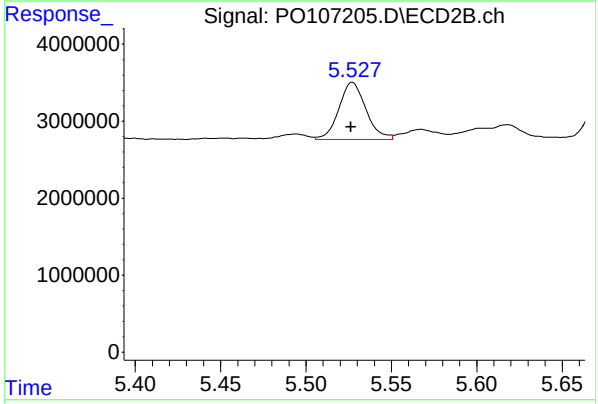
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 12993699
Conc: 4.69 ng/ml



#26 AR-1254-1

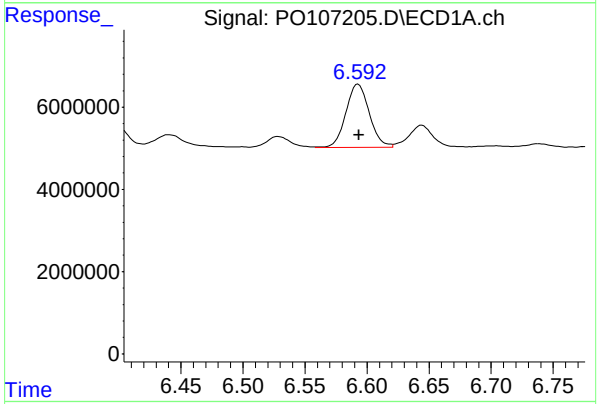
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 14457853
Conc: 54.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



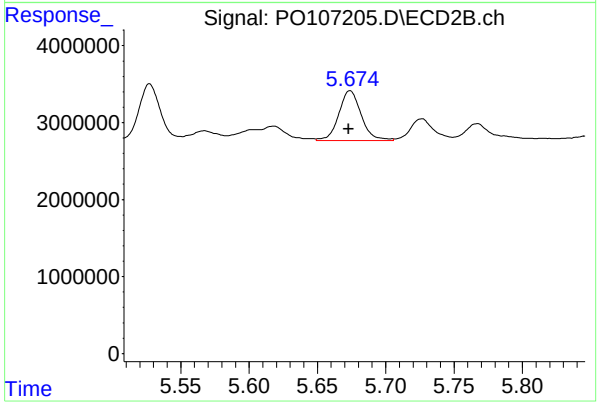
#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 8148243
Conc: 49.22 ng/ml



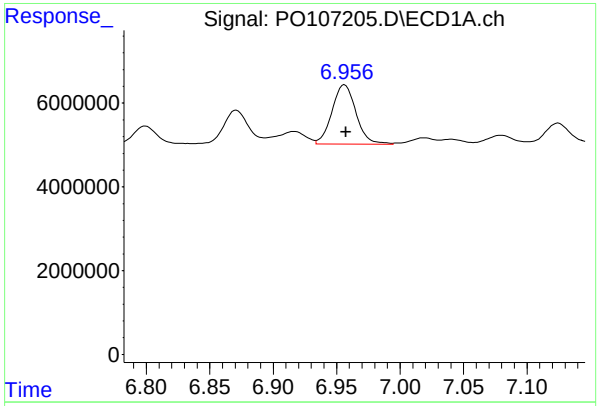
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 20149788
Conc: 54.02 ng/ml



#27 AR-1254-2

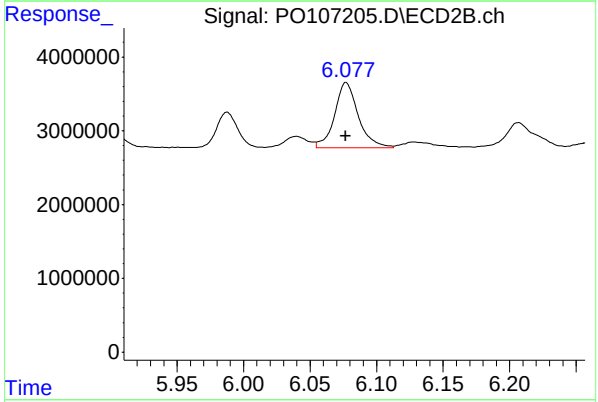
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 7410157
Conc: 51.26 ng/ml



#28 AR-1254-3

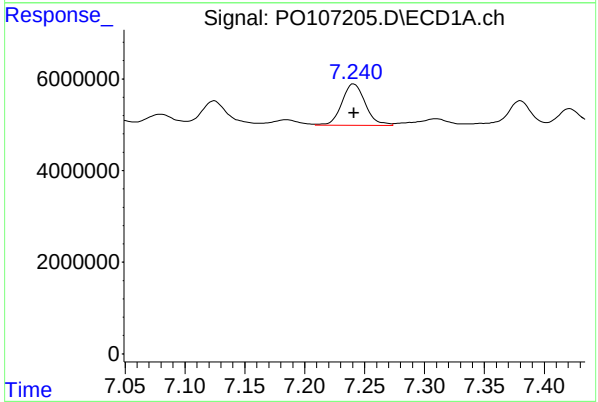
R.T.: 6.956 min
Delta R.T.: -0.001 min
Response: 18631522
Conc: 52.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



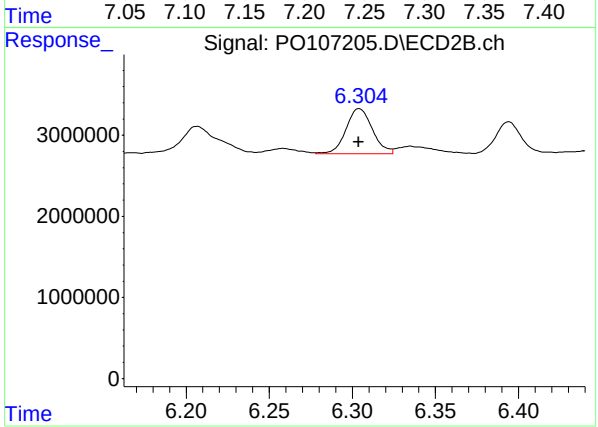
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 10943354
Conc: 47.13 ng/ml



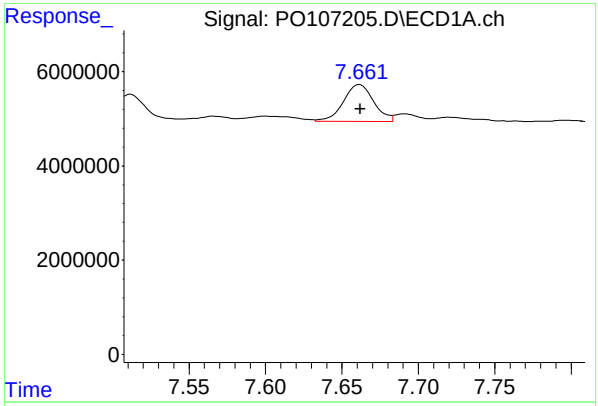
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 12202348
Conc: 53.71 ng/ml



#29 AR-1254-4

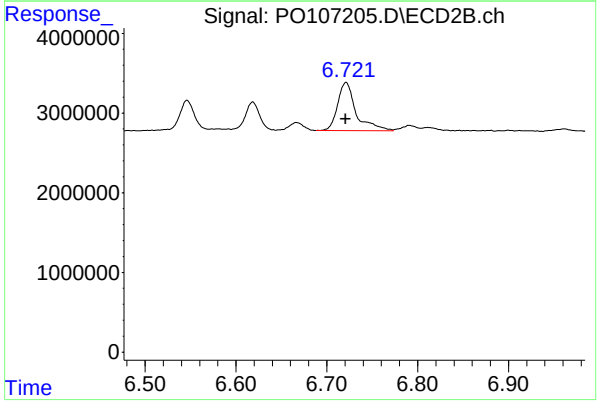
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 6104594
Conc: 46.48 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 10827332
Conc: 52.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 8581830
Conc: 43.92 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
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: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	446.6E6	163.0E6	50.000	50.000
2)	SA Decachlor...	10.059	8.638	123.1E6	135.8E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	7.742	6.759	122.8E6	106.4E6	500.000	500.000
37)	L8 AR-1262-2	8.279	7.258	154.7E6	181.7E6	500.000	500.000
38)	L8 AR-1262-3	8.592	7.541	104.6E6	68691960	500.000	500.000
39)	L8 AR-1262-4	8.677	7.605	81533074	132.3E6	500.000	500.000
40)	L8 AR-1262-5	9.315	8.096	51381891	56416259	500.000	500.000

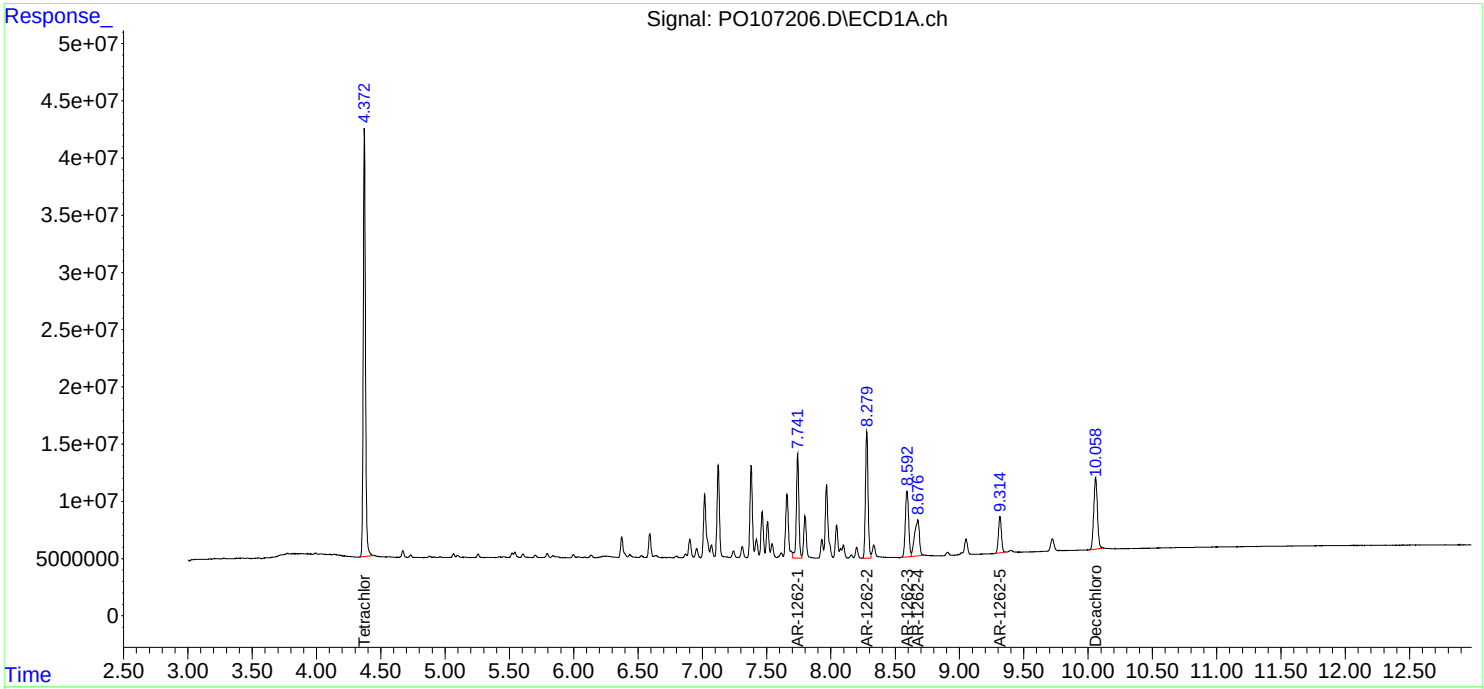
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

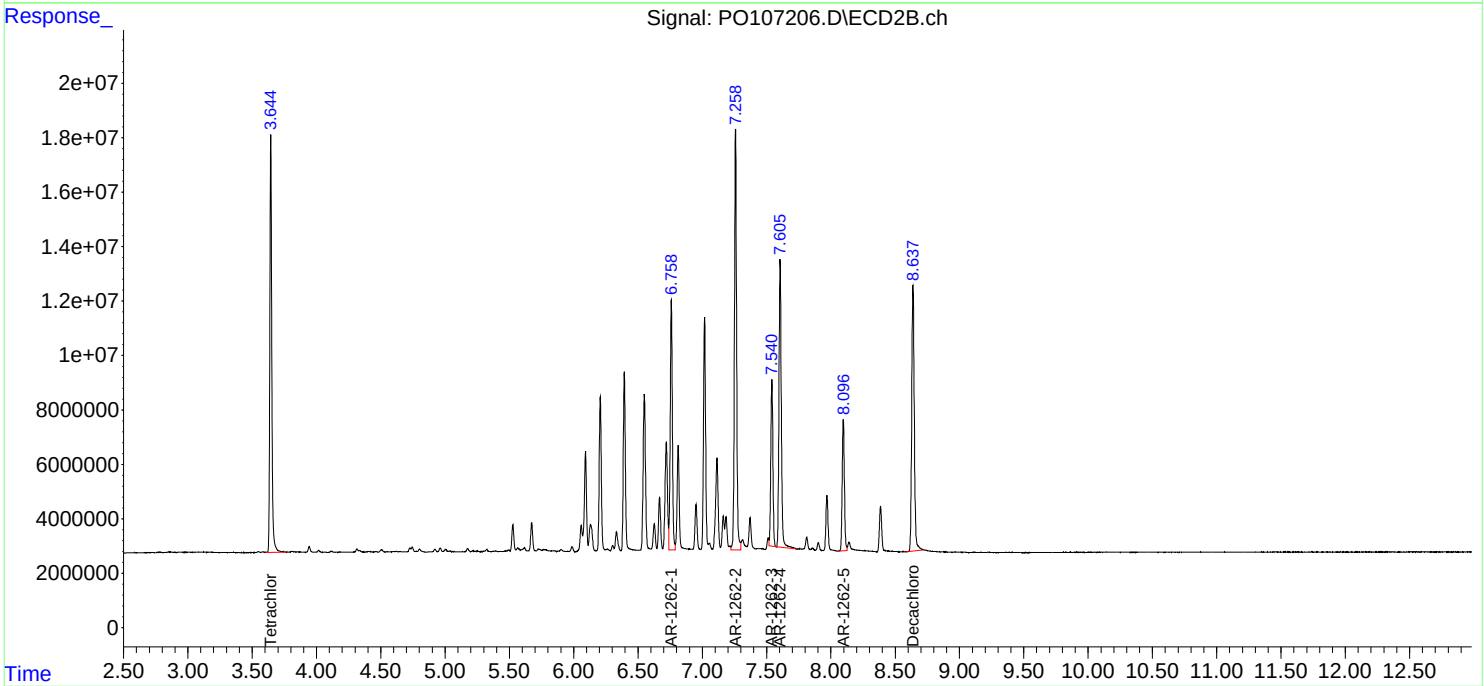
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

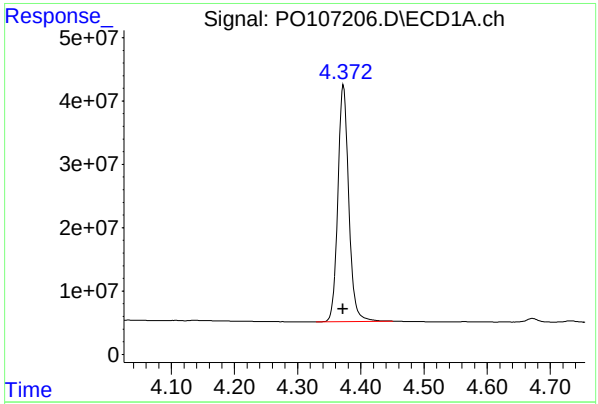
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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



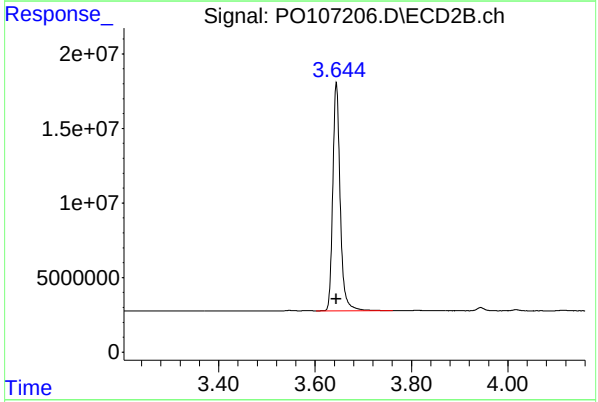




#1 Tetrachloro-m-xylene

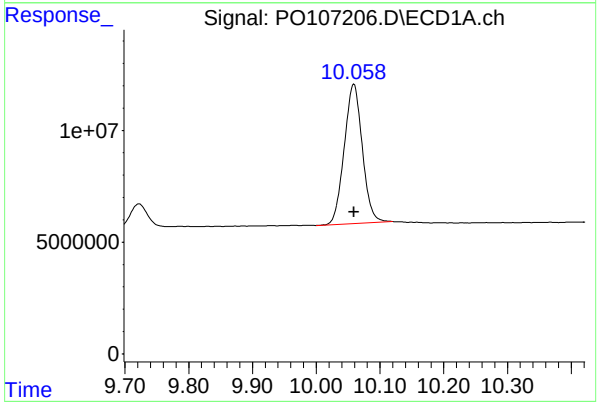
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 446564970
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



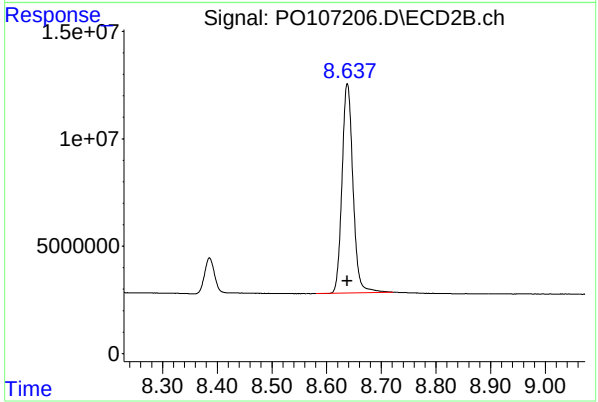
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 162970994
Conc: 50.00 ng/ml



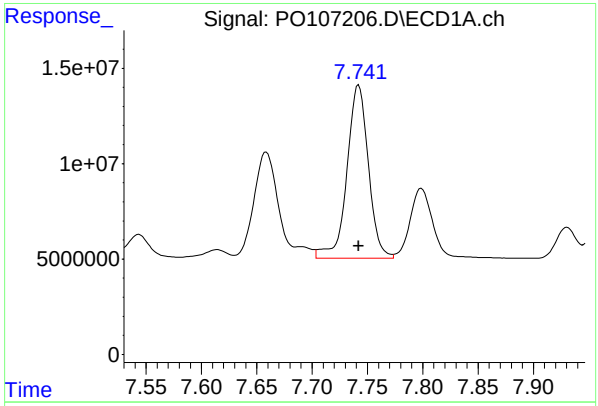
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 123083673
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

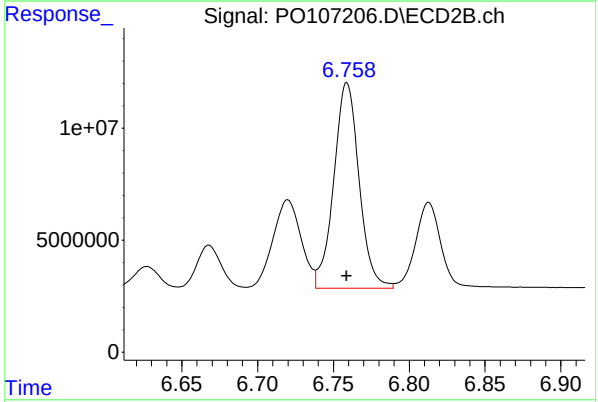
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 135774675
Conc: 50.00 ng/ml



#36 AR-1262-1

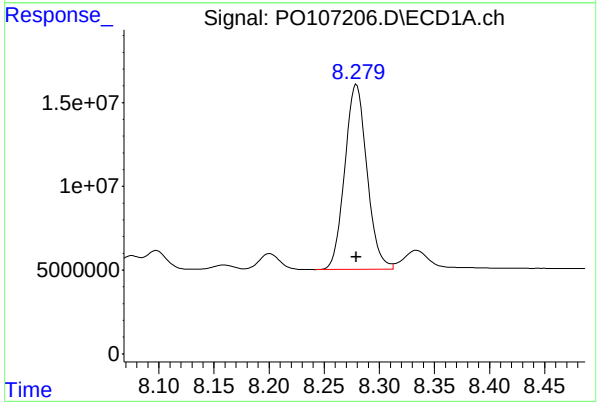
R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 122774056
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



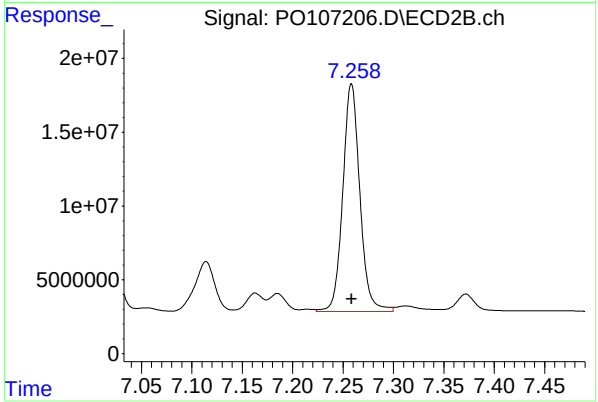
#36 AR-1262-1

R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 106438453
Conc: 500.00 ng/ml



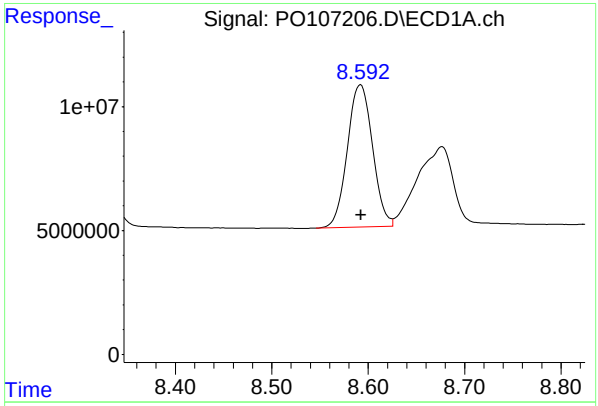
#37 AR-1262-2

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 154709728
Conc: 500.00 ng/ml



#37 AR-1262-2

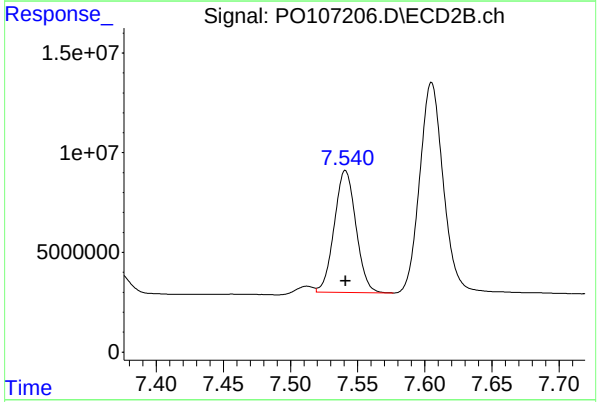
R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 181666310
Conc: 500.00 ng/ml



#38 AR-1262-3

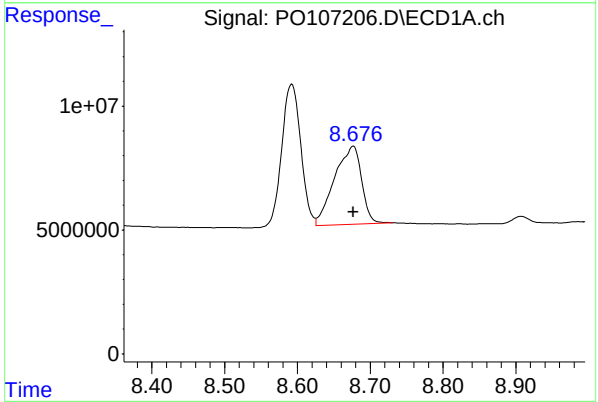
R.T.: 8.592 min
Delta R.T.: 0.000 min
Response: 104598174
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



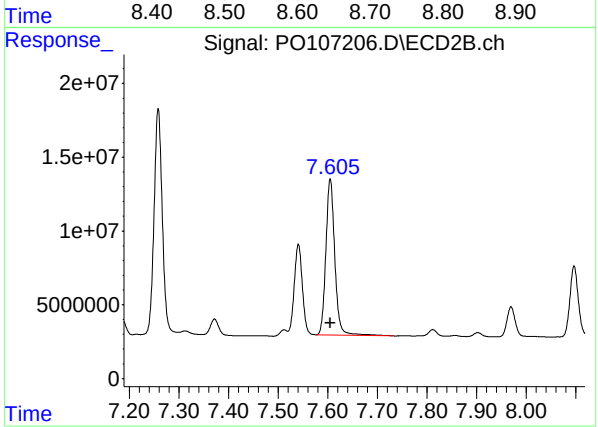
#38 AR-1262-3

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 68691960
Conc: 500.00 ng/ml



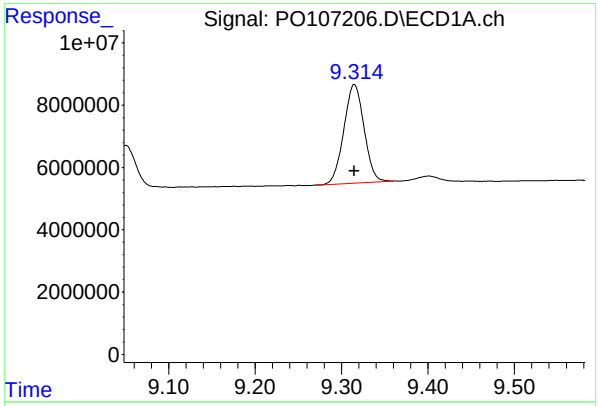
#39 AR-1262-4

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 81533074
Conc: 500.00 ng/ml



#39 AR-1262-4

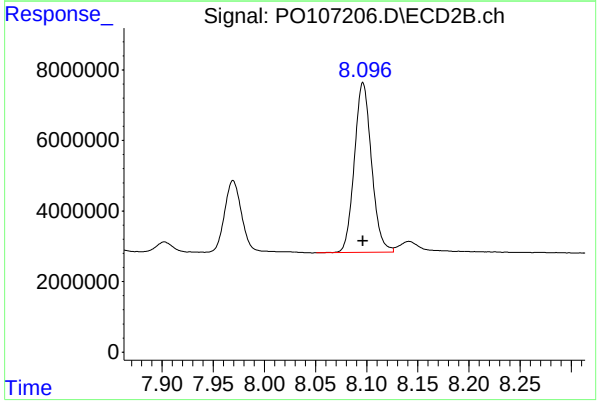
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 132286878
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.315 min
Delta R.T.: 0.000 min
Response: 51381891
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 56416259
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
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: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.645	914.0E6	344.0E6	98.153	100.708
2)	SA Decachlor...	10.057	8.639	407.4E6	487.4E6	96.045	101.044
	Target Compounds						
41)	L9 AR-1268-1	8.587	7.541	351.9E6	419.2E6	965.004	1012.873
42)	L9 AR-1268-2	8.679	7.606	313.1E6	389.7E6	963.780	1016.048
43)	L9 AR-1268-3	8.907	7.812	272.2E6	345.3E6	963.260	1016.931
44)	L9 AR-1268-4	9.313	8.097	112.2E6	129.1E6	978.396	1014.319
45)	L9 AR-1268-5	9.721	8.386	836.7E6	1049.2E6	987.735	1031.617

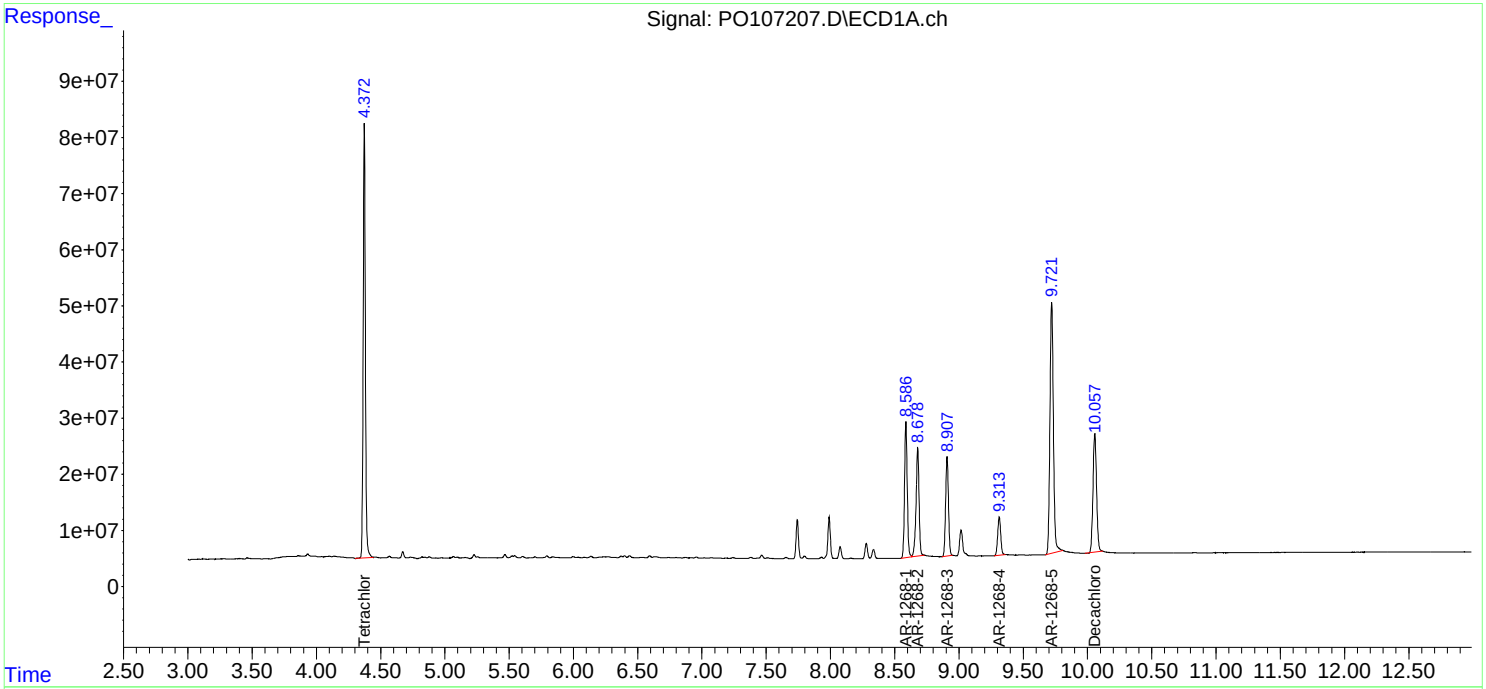
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

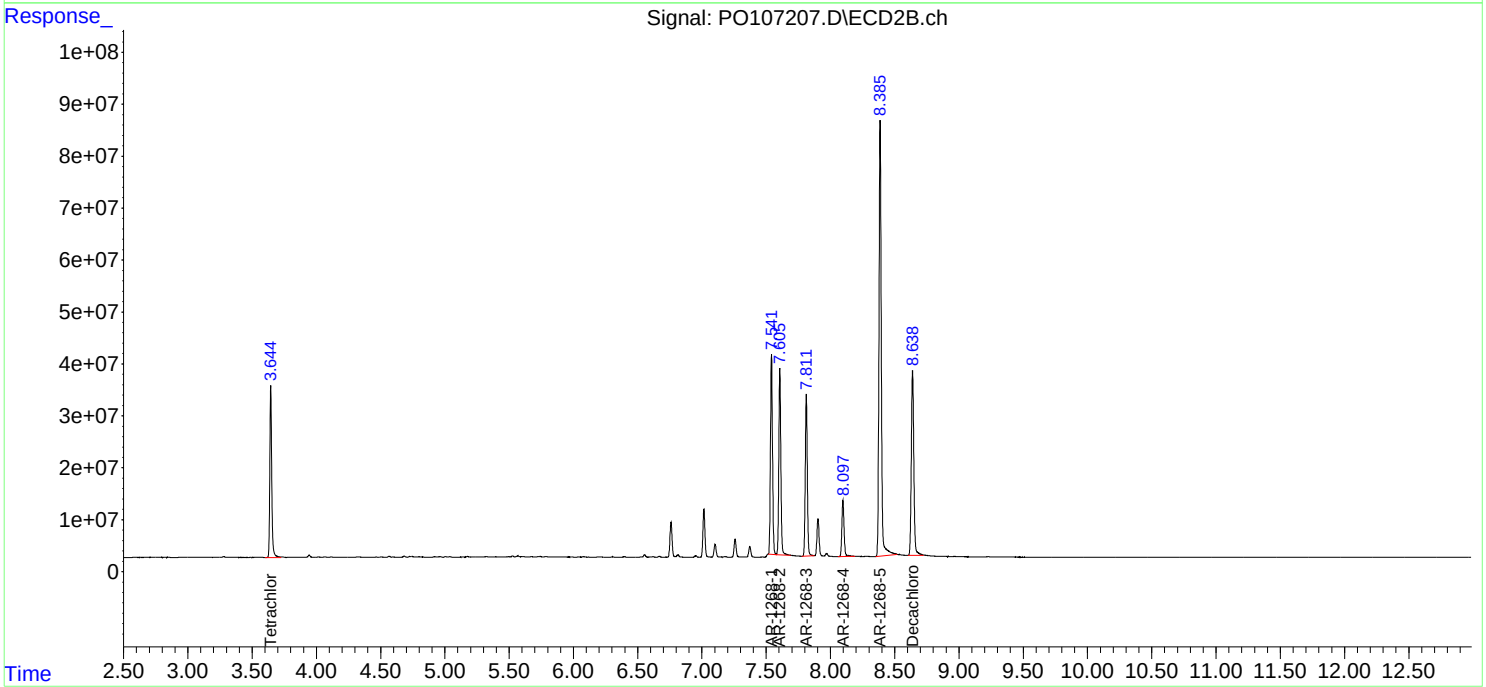
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

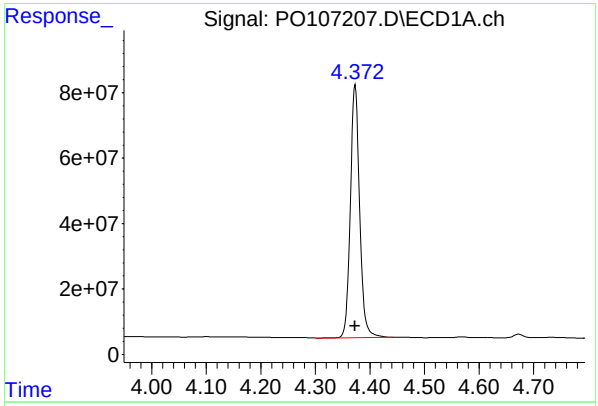
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



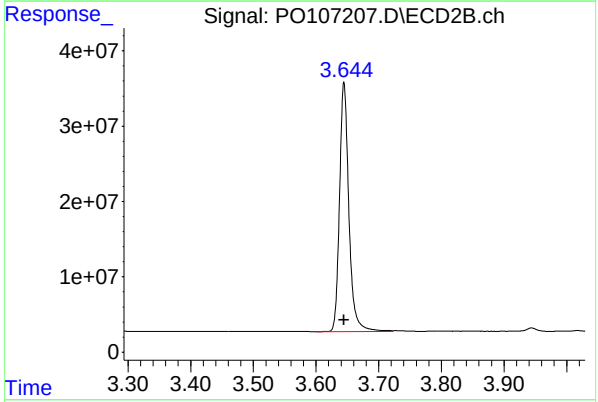




#1 Tetrachloro-m-xylene

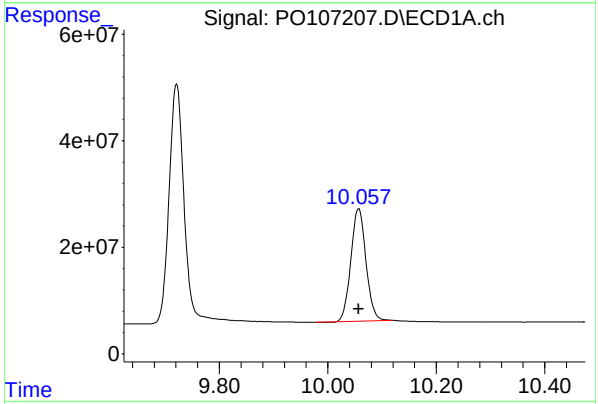
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 913960146
Conc: 98.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



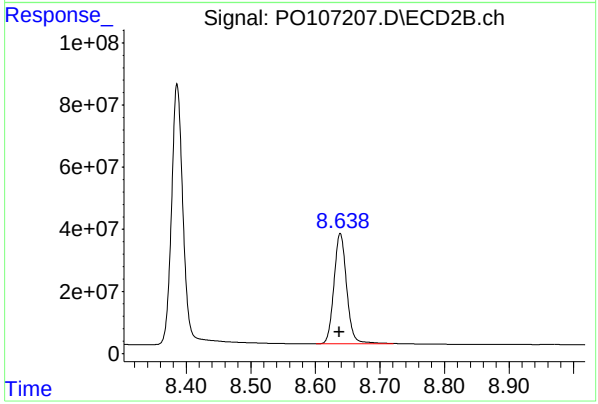
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 344028663
Conc: 100.71 ng/ml



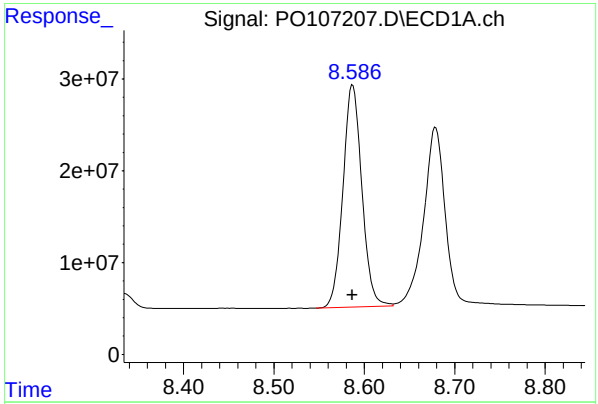
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 407419059
Conc: 96.05 ng/ml



#2 Decachlorobiphenyl

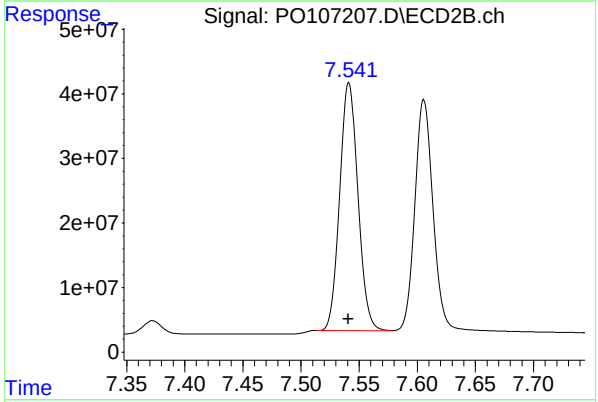
R.T.: 8.639 min
Delta R.T.: 0.001 min
Response: 487388979
Conc: 101.04 ng/ml



#41 AR-1268-1

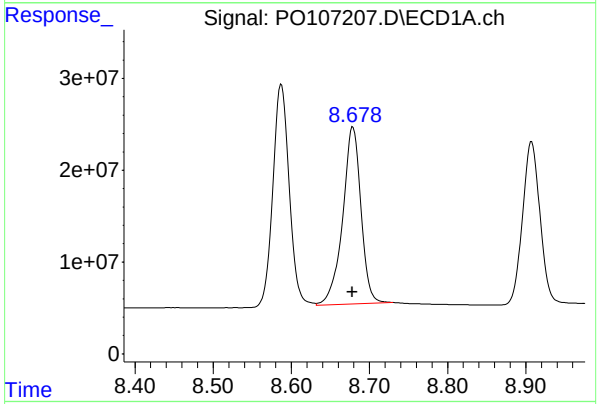
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 351862425
Conc: 965.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



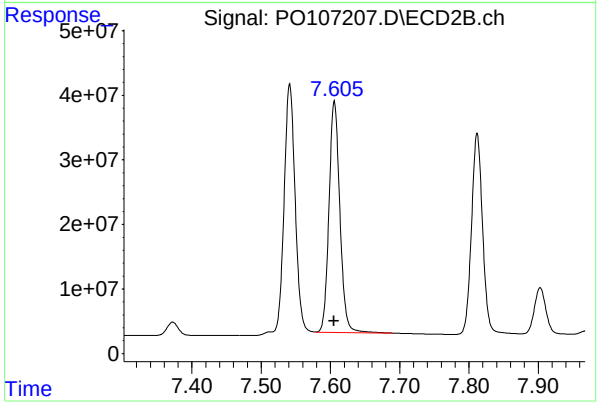
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 419191400
Conc: 1012.87 ng/ml



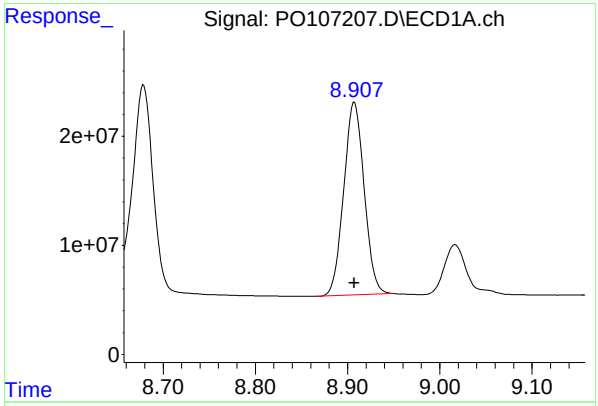
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 313096403
Conc: 963.78 ng/ml



#42 AR-1268-2

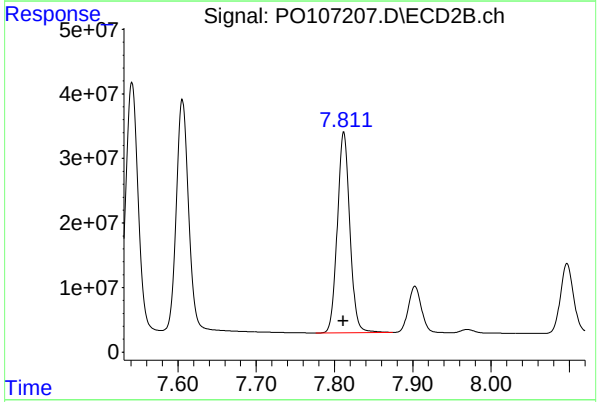
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 389672996
Conc: 1016.05 ng/ml



#43 AR-1268-3

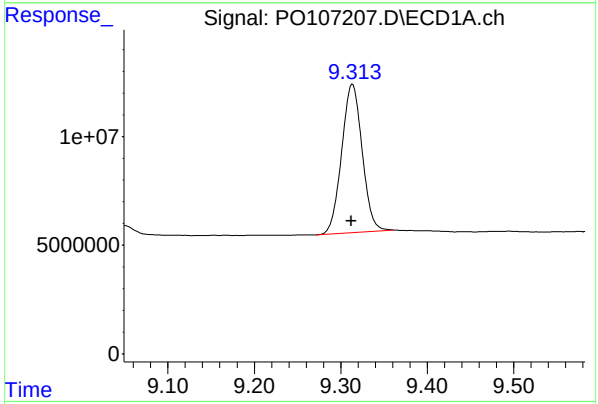
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 272236453
Conc: 963.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



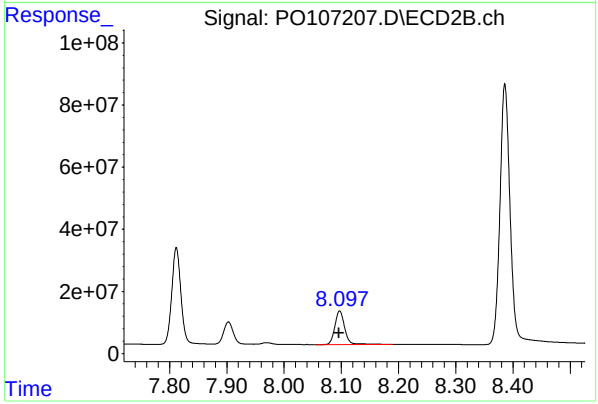
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 345284332
Conc: 1016.93 ng/ml



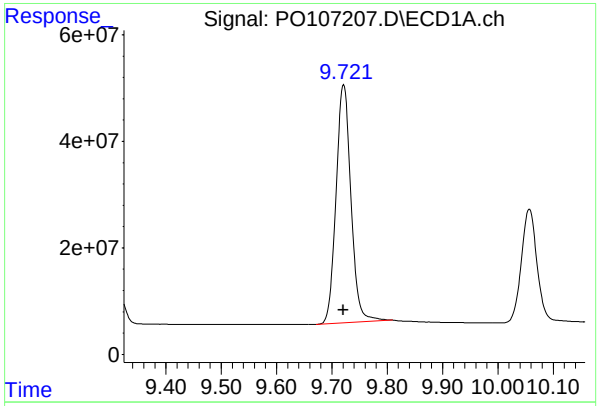
#44 AR-1268-4

R.T.: 9.313 min
Delta R.T.: 0.001 min
Response: 112236308
Conc: 978.40 ng/ml



#44 AR-1268-4

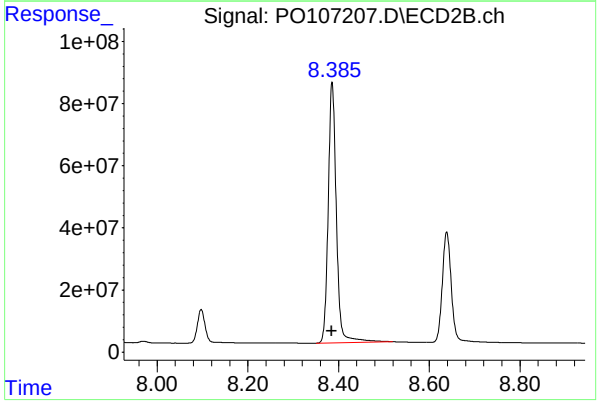
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 129107993
Conc: 1014.32 ng/ml



#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 836674479
Conc: 987.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 1049237500
Conc: 1031.62 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
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: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	670.2E6	249.7E6	71.974	73.105
2)	SA Decachlor...	10.058	8.638	310.2E6	355.5E6	73.131	73.693
	Target Compounds						
41)	L9 AR-1268-1	8.587	7.541	264.3E6	307.5E6	724.887	742.983
42)	L9 AR-1268-2	8.678	7.605	235.9E6	285.1E6	726.056	743.309
43)	L9 AR-1268-3	8.908	7.812	204.6E6	253.4E6	723.835	746.228
44)	L9 AR-1268-4	9.312	8.096	83445833	95583754	727.421	750.941
45)	L9 AR-1268-5	9.722	8.386	624.8E6	764.5E6	737.635	751.645

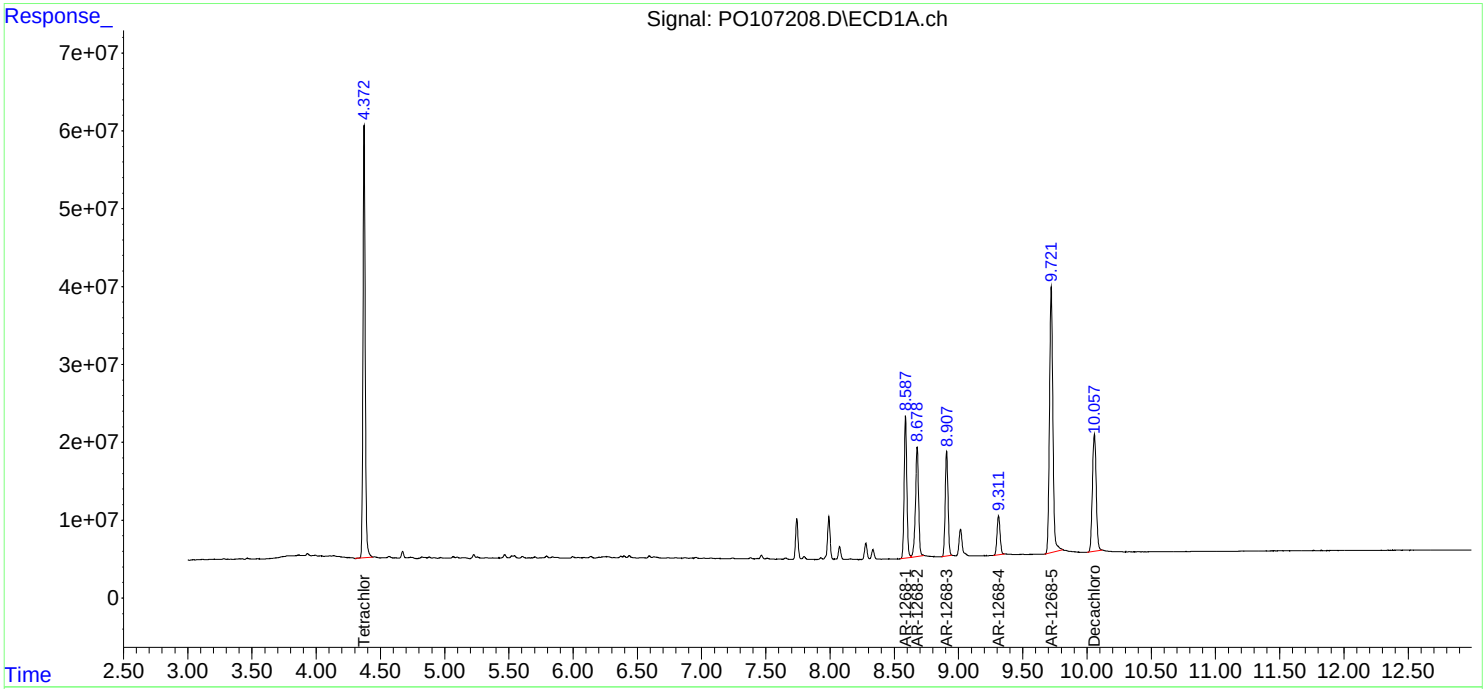
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

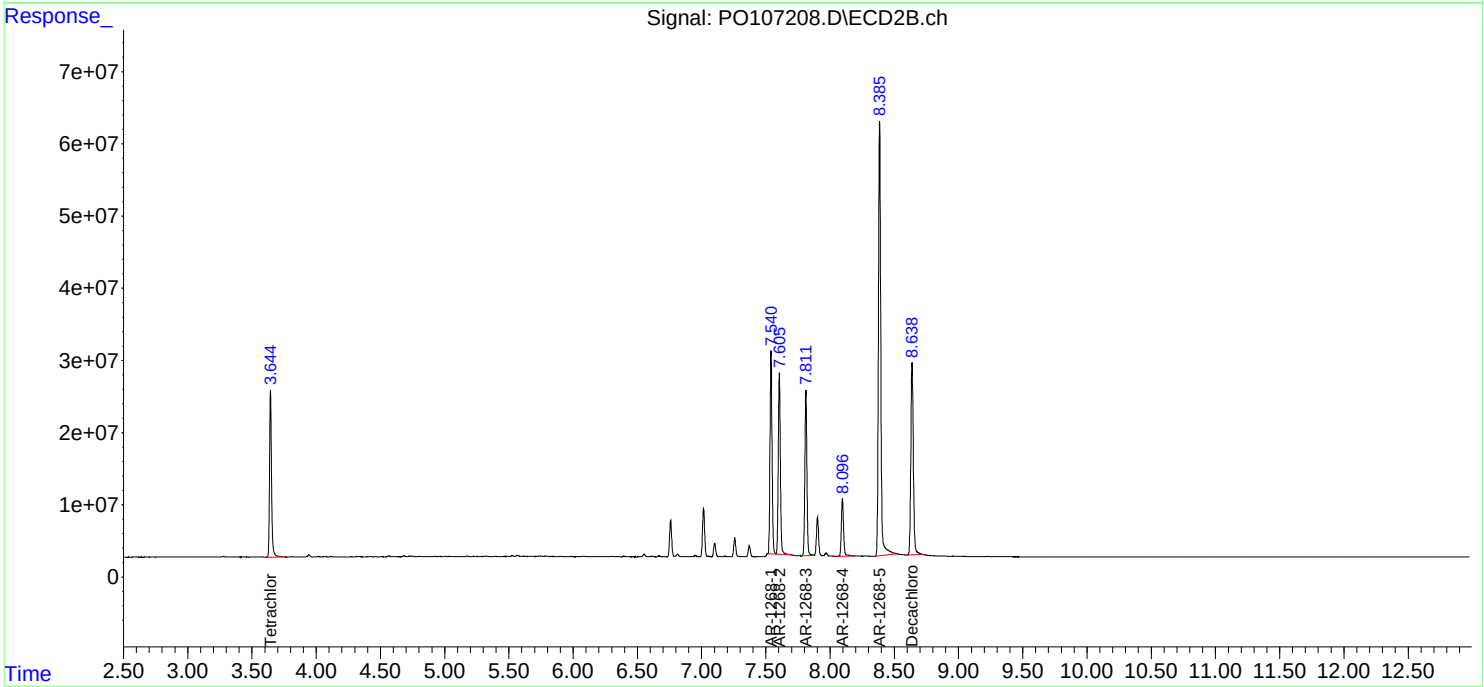
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

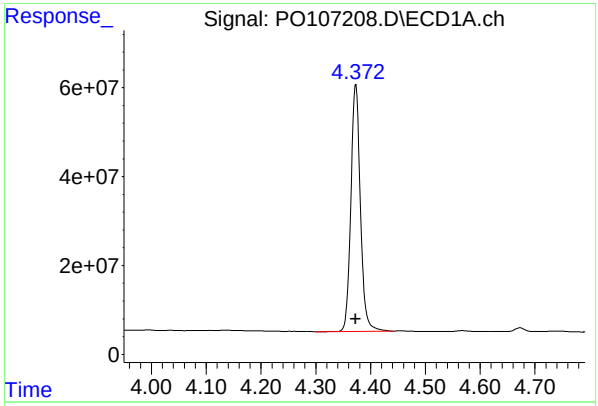
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



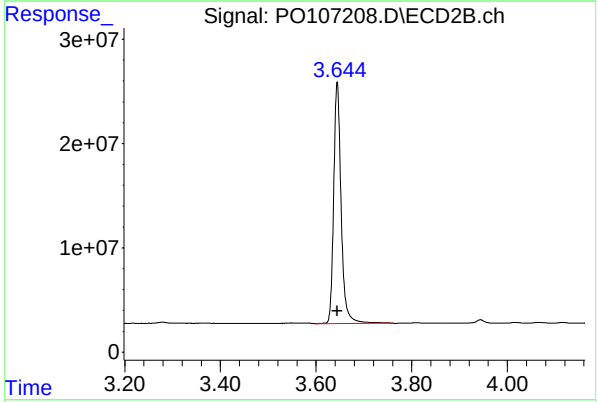




#1 Tetrachloro-m-xylene

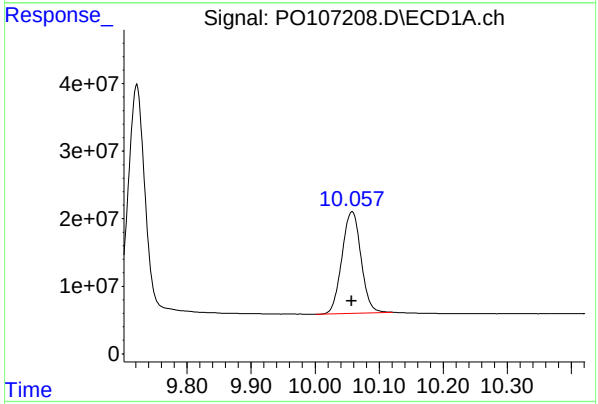
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 670196845
Conc: 71.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



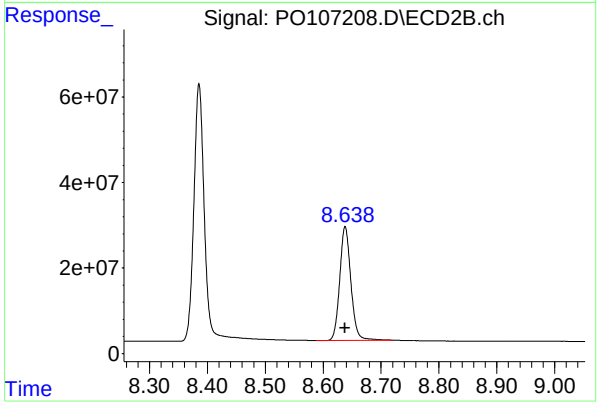
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 249732853
Conc: 73.10 ng/ml



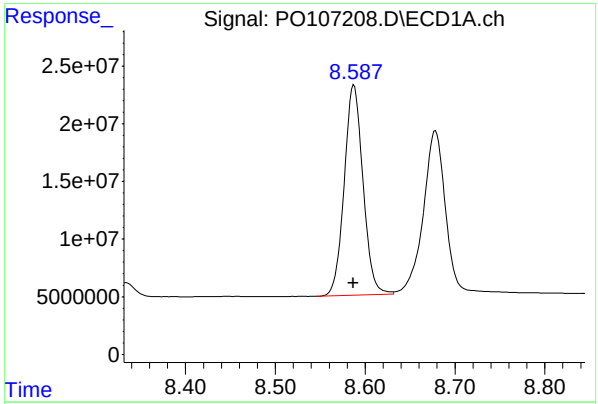
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.001 min
Response: 310217562
Conc: 73.13 ng/ml



#2 Decachlorobiphenyl

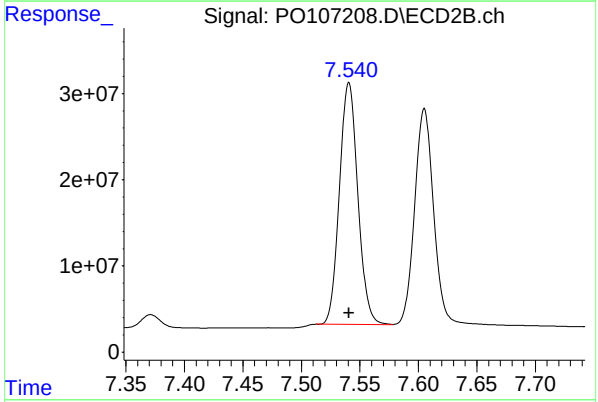
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 355458898
Conc: 73.69 ng/ml



#41 AR-1268-1

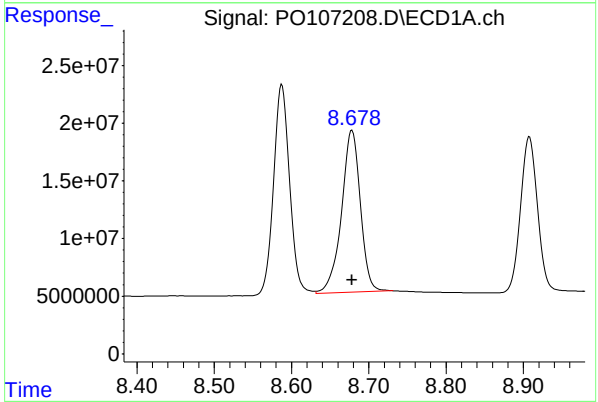
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 264310364
Conc: 724.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



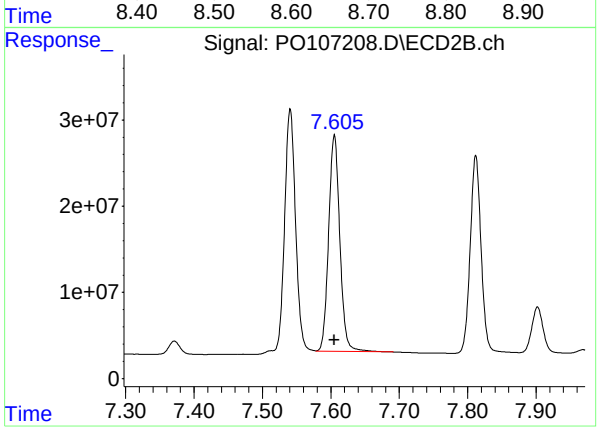
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 307493619
Conc: 742.98 ng/ml



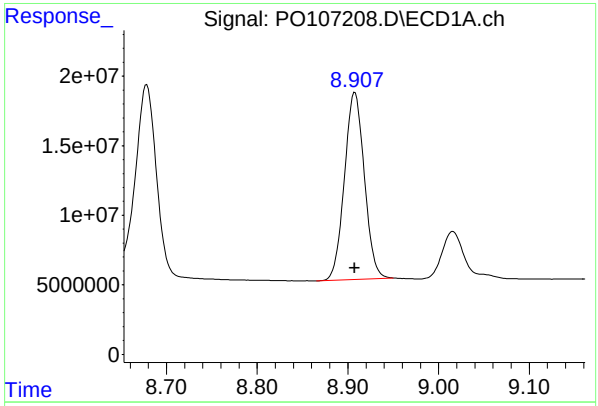
#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 235868584
Conc: 726.06 ng/ml



#42 AR-1268-2

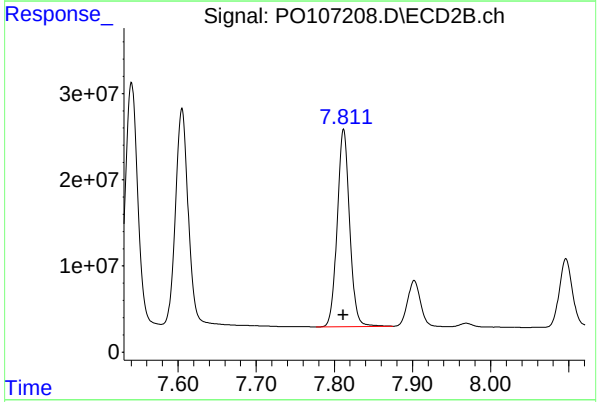
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 285072573
Conc: 743.31 ng/ml



#43 AR-1268-3

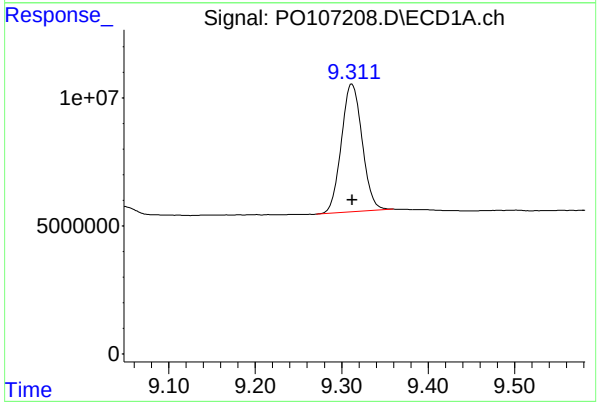
R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 204570207
Conc: 723.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



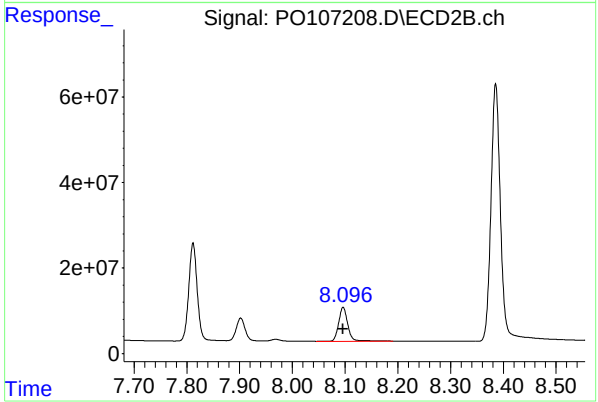
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 253371130
Conc: 746.23 ng/ml



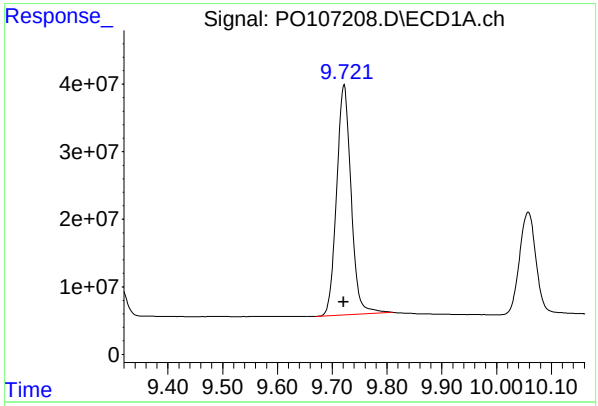
#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: 0.000 min
Response: 83445833
Conc: 727.42 ng/ml



#44 AR-1268-4

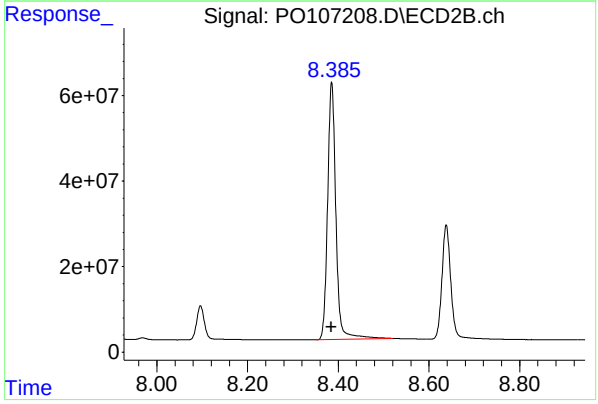
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 95583754
Conc: 750.94 ng/ml



#45 AR-1268-5

R.T.: 9.722 min
Delta R.T.: 0.001 min
Response: 624823653
Conc: 737.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 764483445
Conc: 751.65 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
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: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.645	465.6E6	170.8E6	50.000	50.000
2)	SA Decachlor...	10.057	8.637	212.1E6	241.2E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.587	7.541	182.3E6	206.9E6	500.000	500.000
42)	L9 AR-1268-2	8.678	7.605	162.4E6	191.8E6	500.000	500.000
43)	L9 AR-1268-3	8.907	7.811	141.3E6	169.8E6	500.000	500.000
44)	L9 AR-1268-4	9.312	8.096	57357297	63642681	500.000	500.000
45)	L9 AR-1268-5	9.721	8.385	423.5E6	508.5E6	500.000	500.000

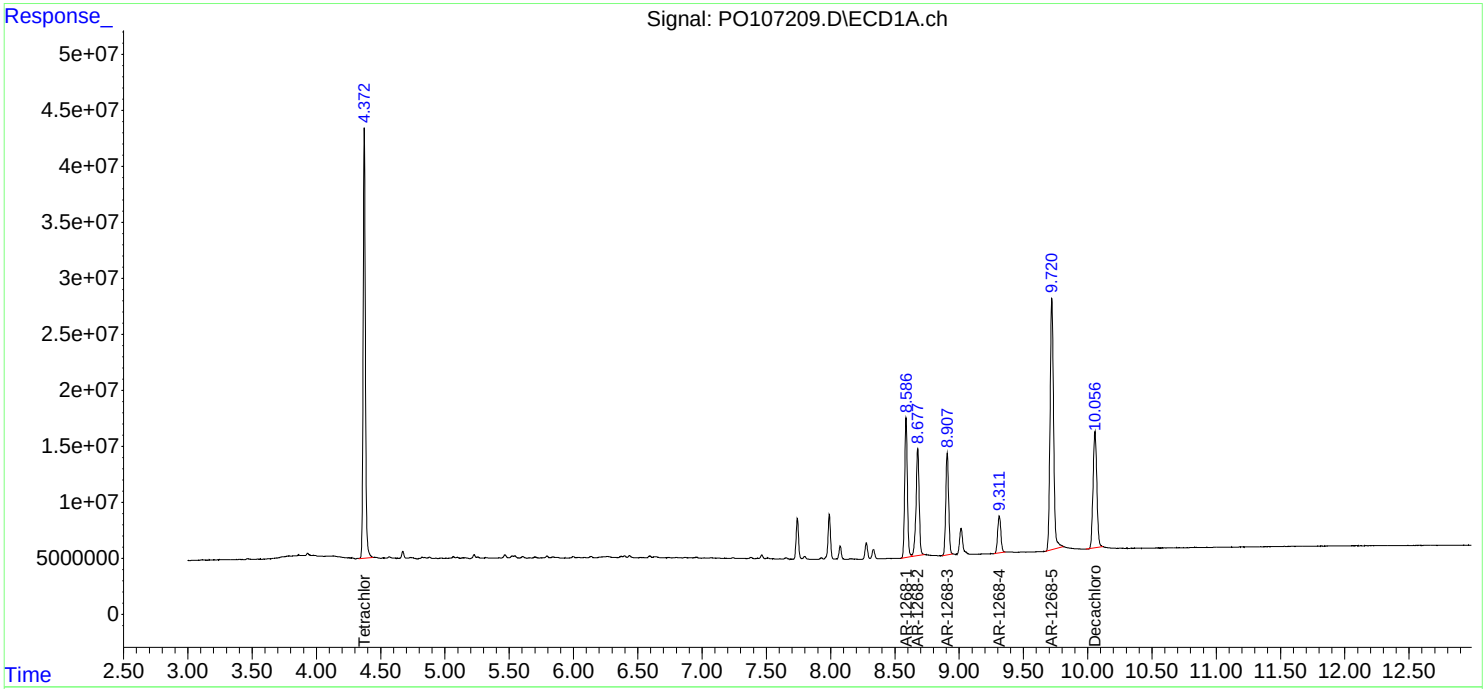
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

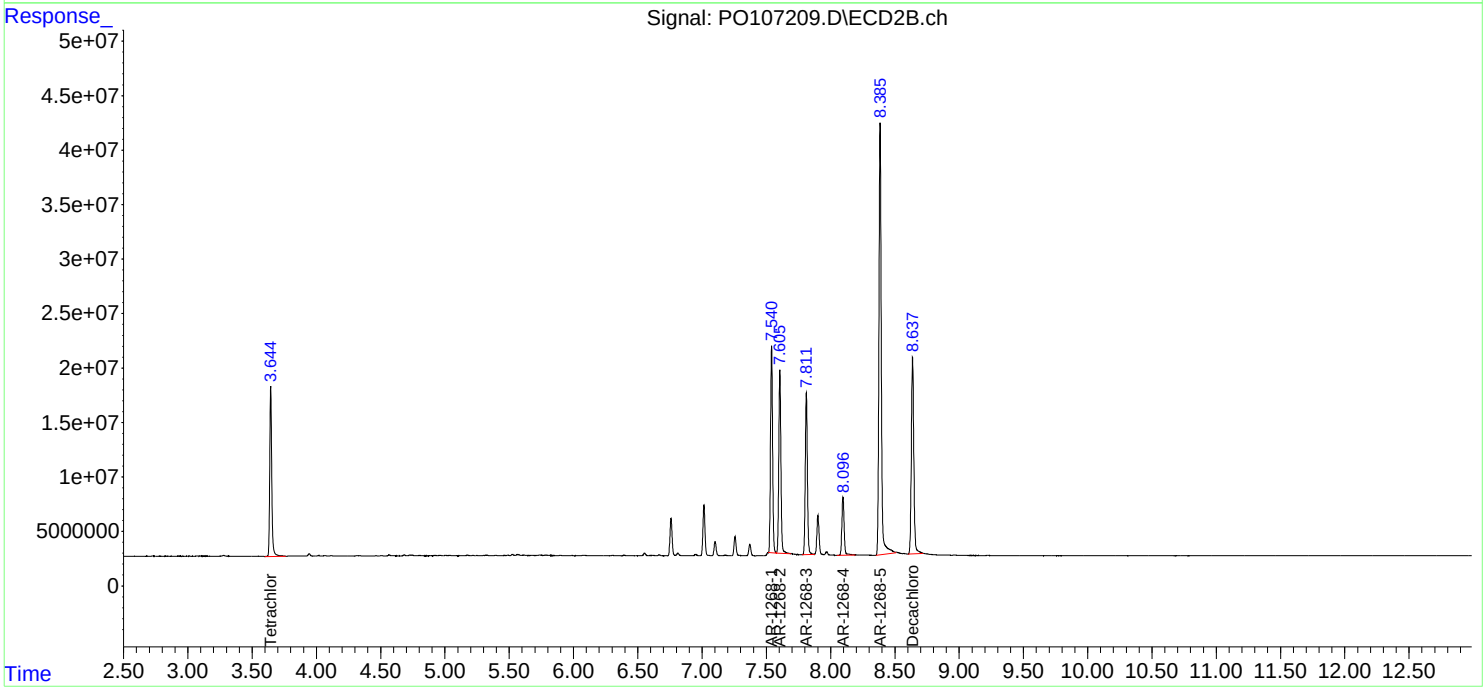
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

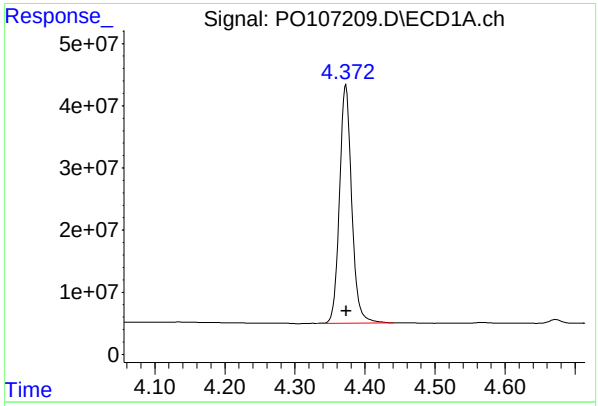
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



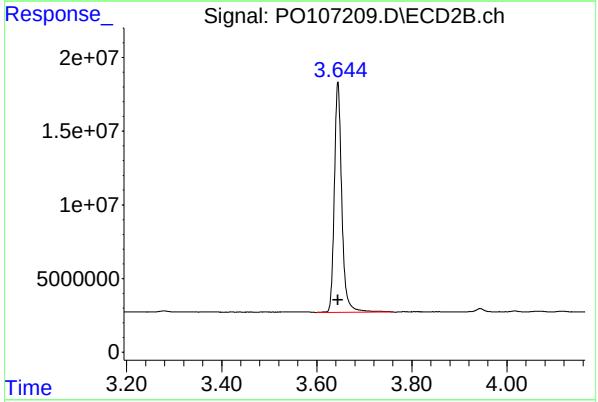




#1 Tetrachloro-m-xylene

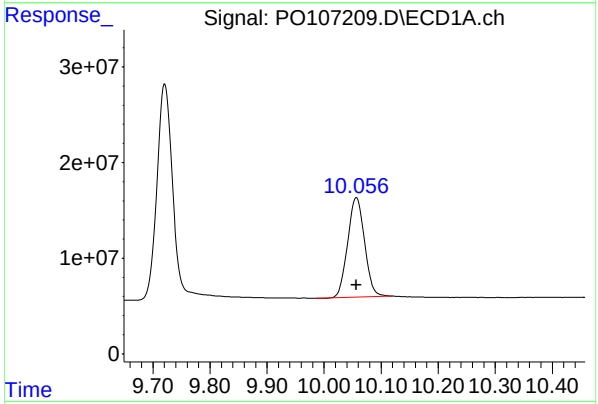
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 465580331
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



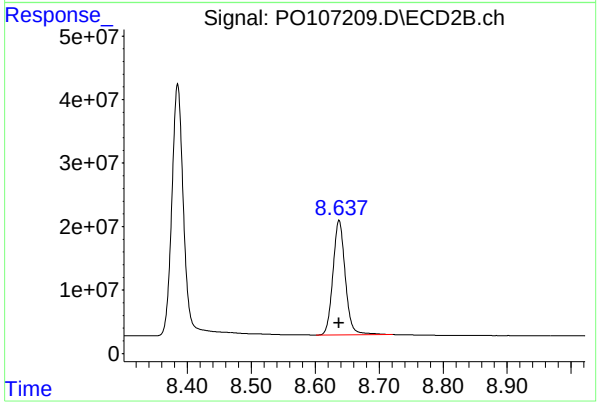
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 170805240
Conc: 50.00 ng/ml



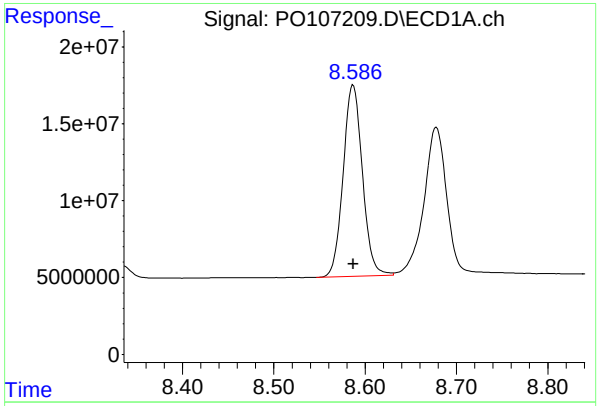
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 212097908
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

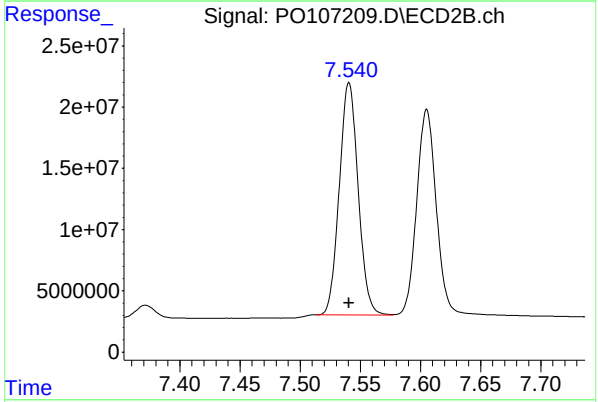
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 241175589
Conc: 50.00 ng/ml



#41 AR-1268-1

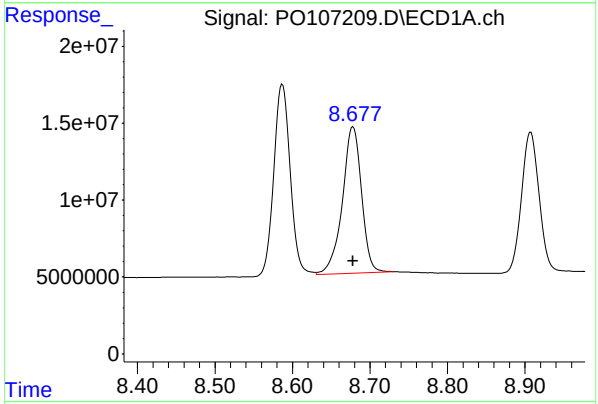
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 182311422
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



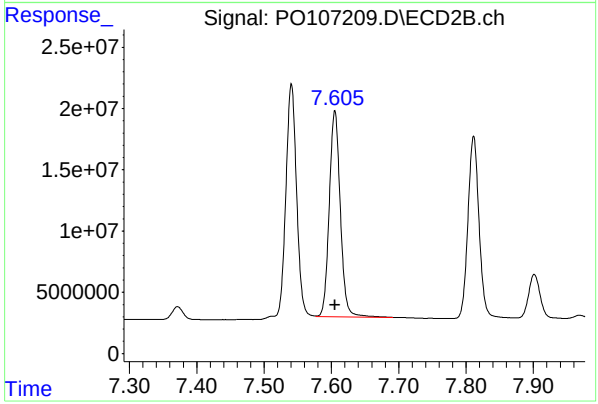
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 206931792
Conc: 500.00 ng/ml



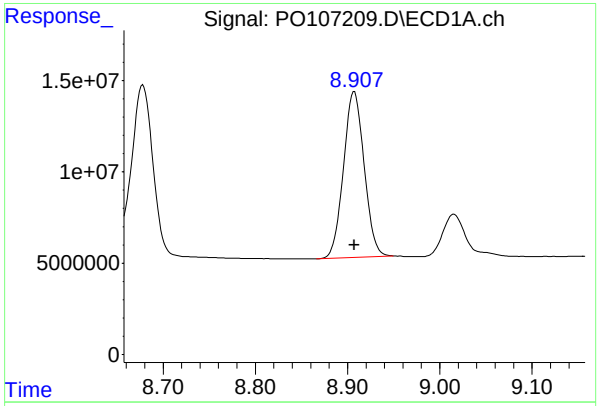
#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 162431403
Conc: 500.00 ng/ml



#42 AR-1268-2

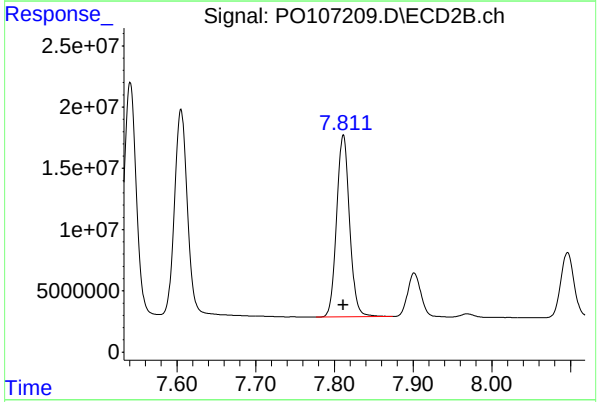
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 191759104
Conc: 500.00 ng/ml



#43 AR-1268-3

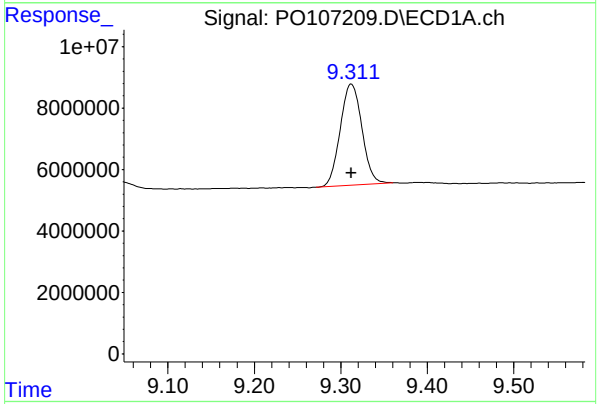
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 141310018
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



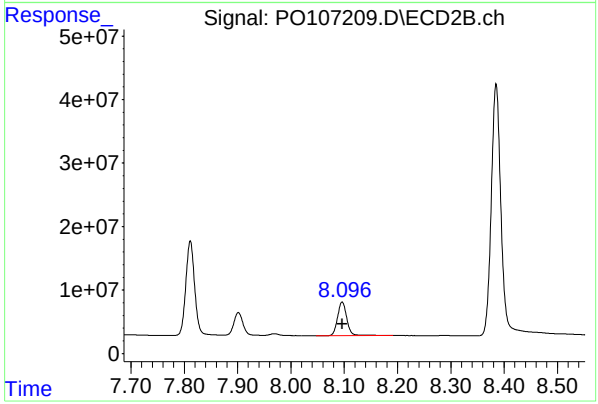
#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 169767878
Conc: 500.00 ng/ml



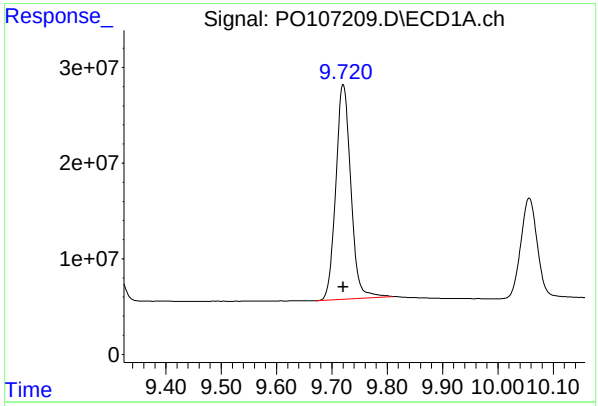
#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: 0.000 min
Response: 57357297
Conc: 500.00 ng/ml



#44 AR-1268-4

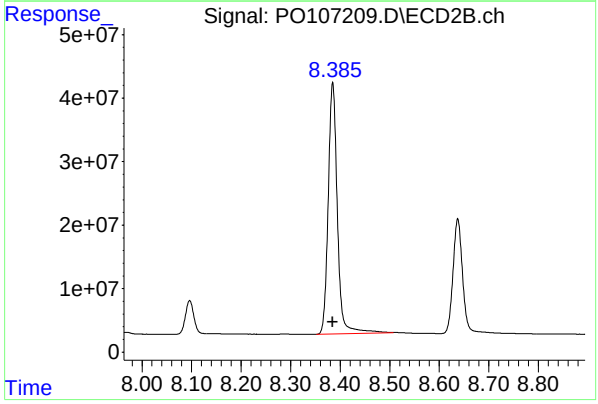
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 63642681
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 423531657
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 508540065
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
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: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	237.4E6	83283643	25.493	24.380
2)	SA Decachlor...	10.058	8.638	110.0E6	122.3E6	25.930	25.345
	Target Compounds						
41)	L9 AR-1268-1	8.588	7.541	95440132	102.7E6	261.750	248.179
42)	L9 AR-1268-2	8.679	7.606	84909424	94674968	261.370	246.859
43)	L9 AR-1268-3	8.908	7.812	73384675	84688940	259.658	249.426
44)	L9 AR-1268-4	9.314	8.097	29107021	32315199	253.734	253.880
45)	L9 AR-1268-5	9.721	8.386	216.1E6	249.1E6	255.104	244.896

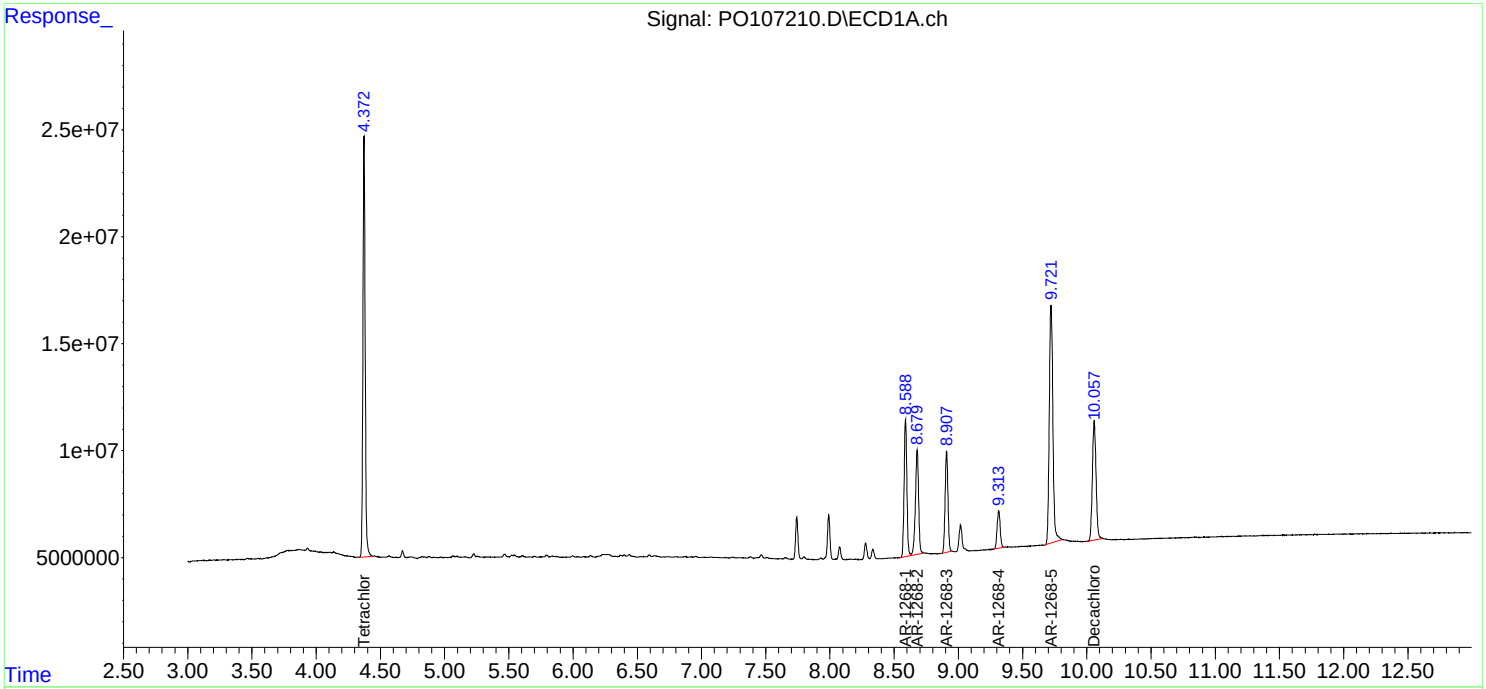
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

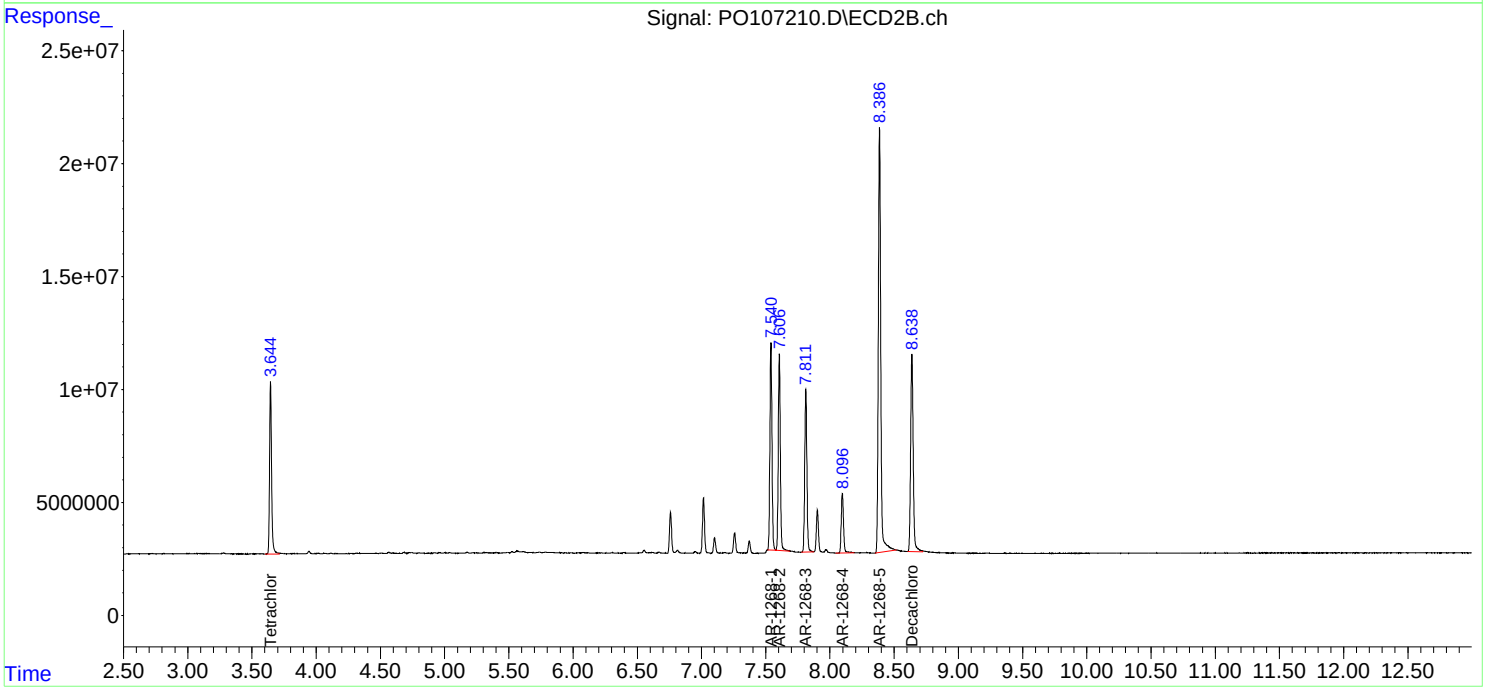
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

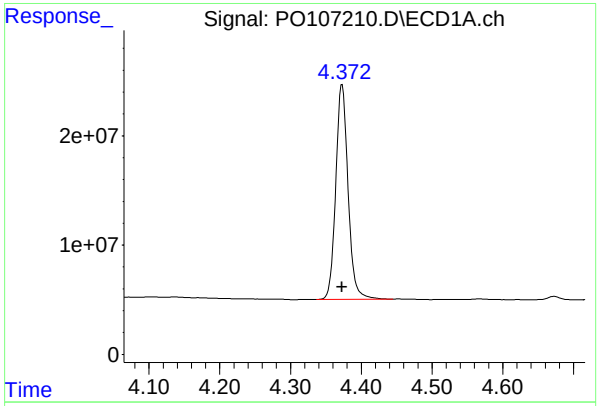
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



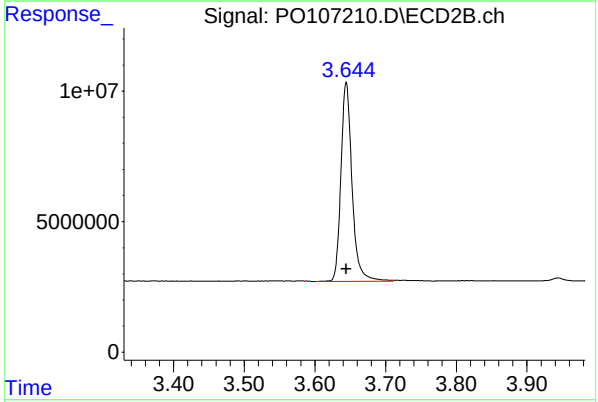




#1 Tetrachloro-m-xylene

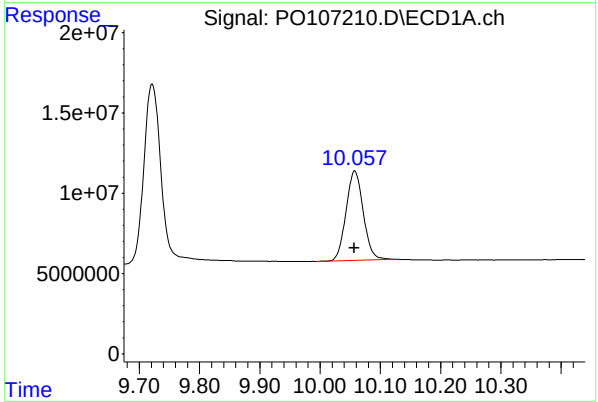
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237379747
Conc: 25.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



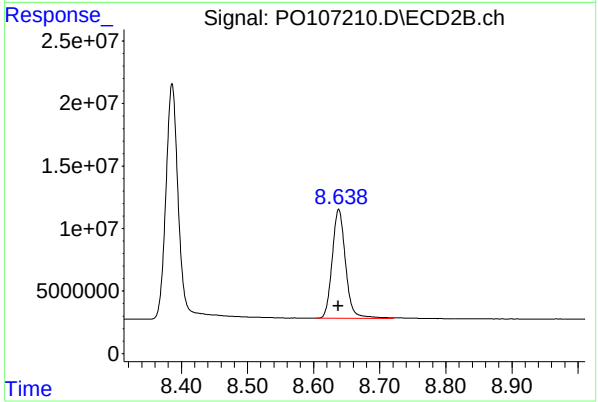
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 83283643
Conc: 24.38 ng/ml



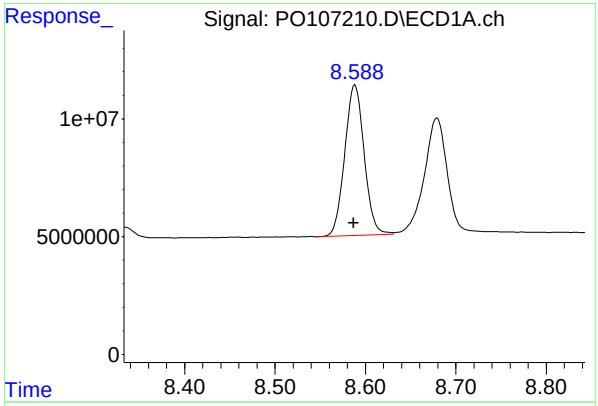
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 109995659
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

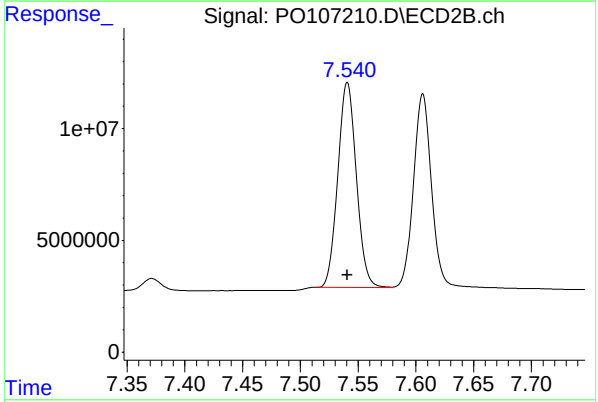
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 122251099
Conc: 25.34 ng/ml



#41 AR-1268-1

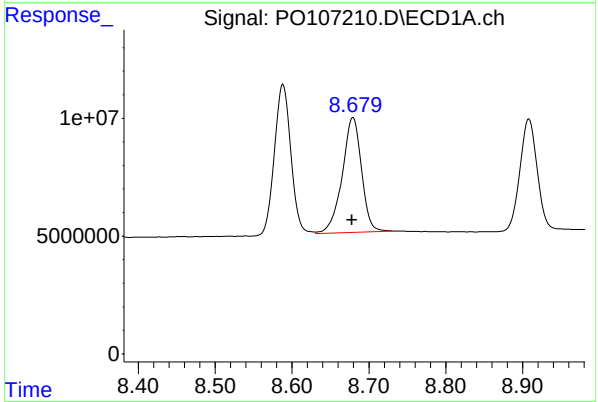
R.T.: 8.588 min
Delta R.T.: 0.002 min
Response: 95440132
Conc: 261.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



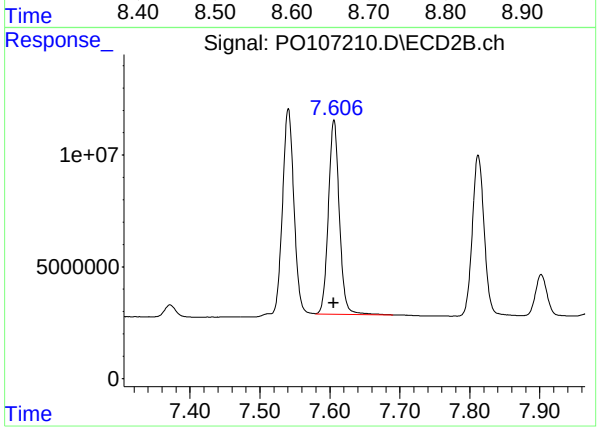
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 102712368
Conc: 248.18 ng/ml



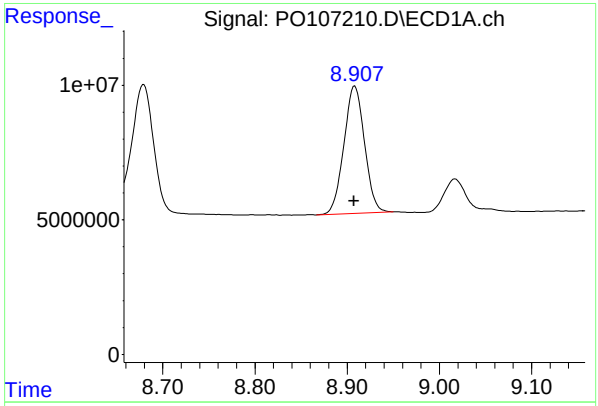
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 84909424
Conc: 261.37 ng/ml



#42 AR-1268-2

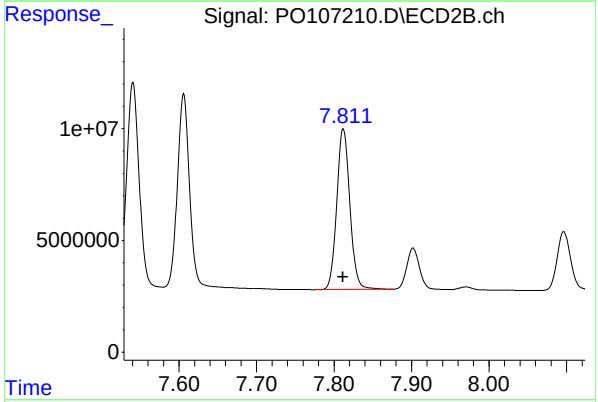
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 94674968
Conc: 246.86 ng/ml



#43 AR-1268-3

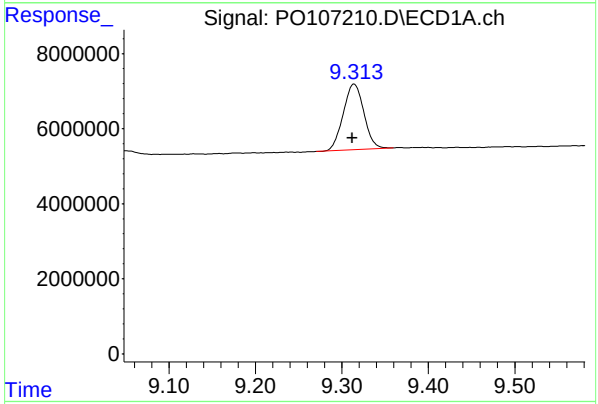
R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 73384675
Conc: 259.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



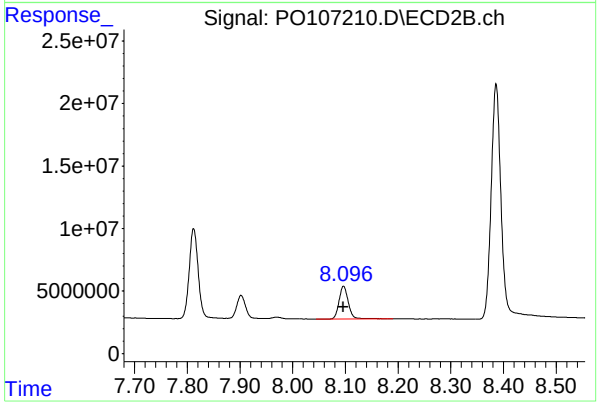
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 84688940
Conc: 249.43 ng/ml



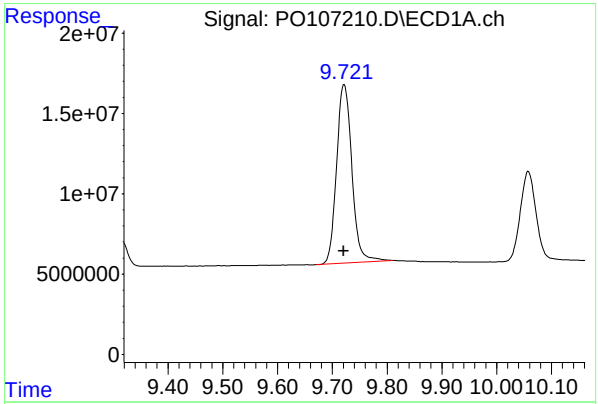
#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 29107021
Conc: 253.73 ng/ml



#44 AR-1268-4

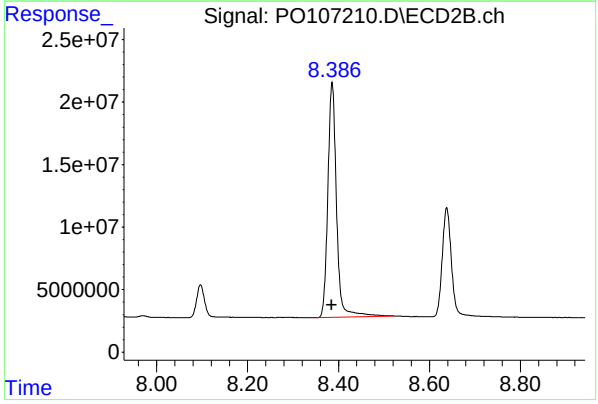
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 32315199
Conc: 253.88 ng/ml



#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 216089361
Conc: 255.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 249078869
Conc: 244.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.645	44759505	14819032	4.807	4.338
2)	SA Decachlor...	10.056	8.638	20020423	22152727	4.720	4.593
	Target Compounds						
41)	L9 AR-1268-1	8.587	7.541	18469024	18447765	50.652m	44.575
42)	L9 AR-1268-2	8.679	7.606	16014978	16717280	49.298	43.589
43)	L9 AR-1268-3	8.908	7.811	13783097	15350219	48.769	45.209
44)	L9 AR-1268-4	9.314	8.097	5072917	5687474	44.222	44.683
45)	L9 AR-1268-5	9.723	8.385	39053378	42842014	46.104	42.123

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

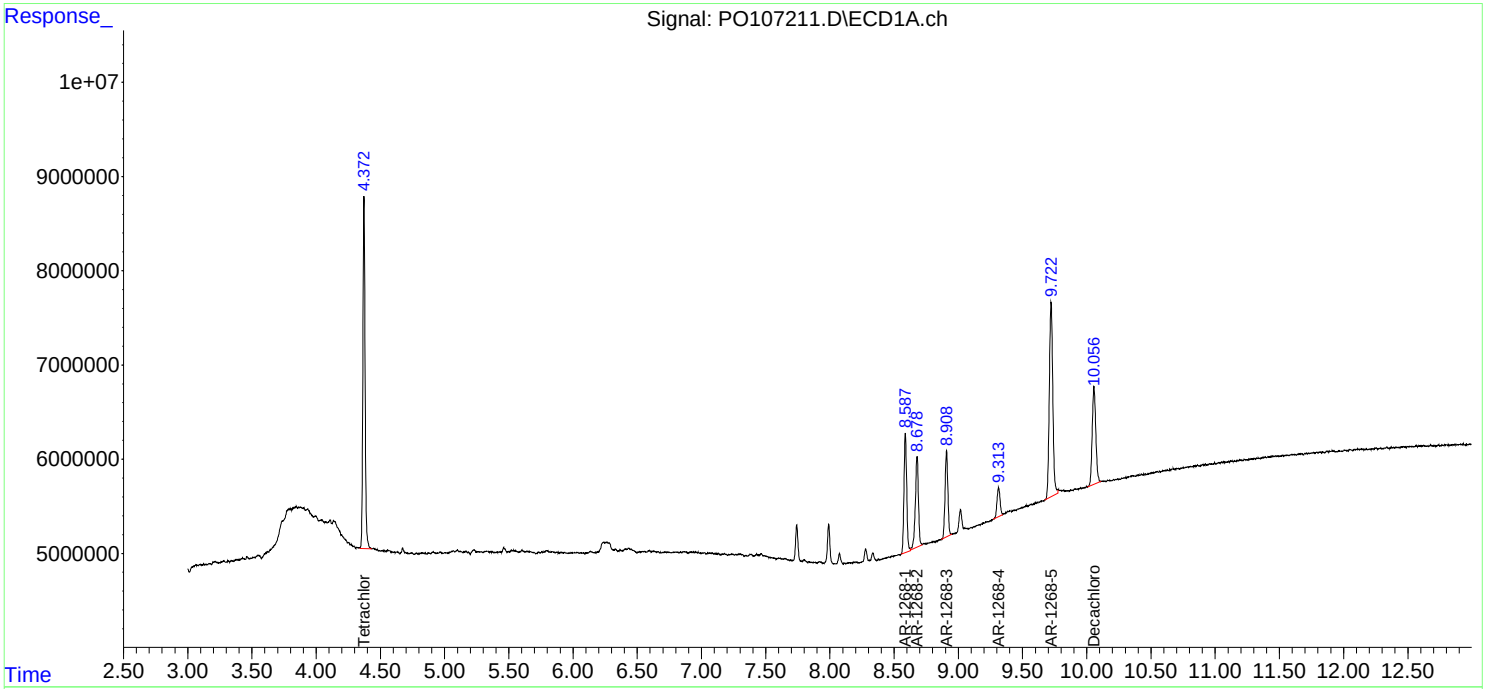
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

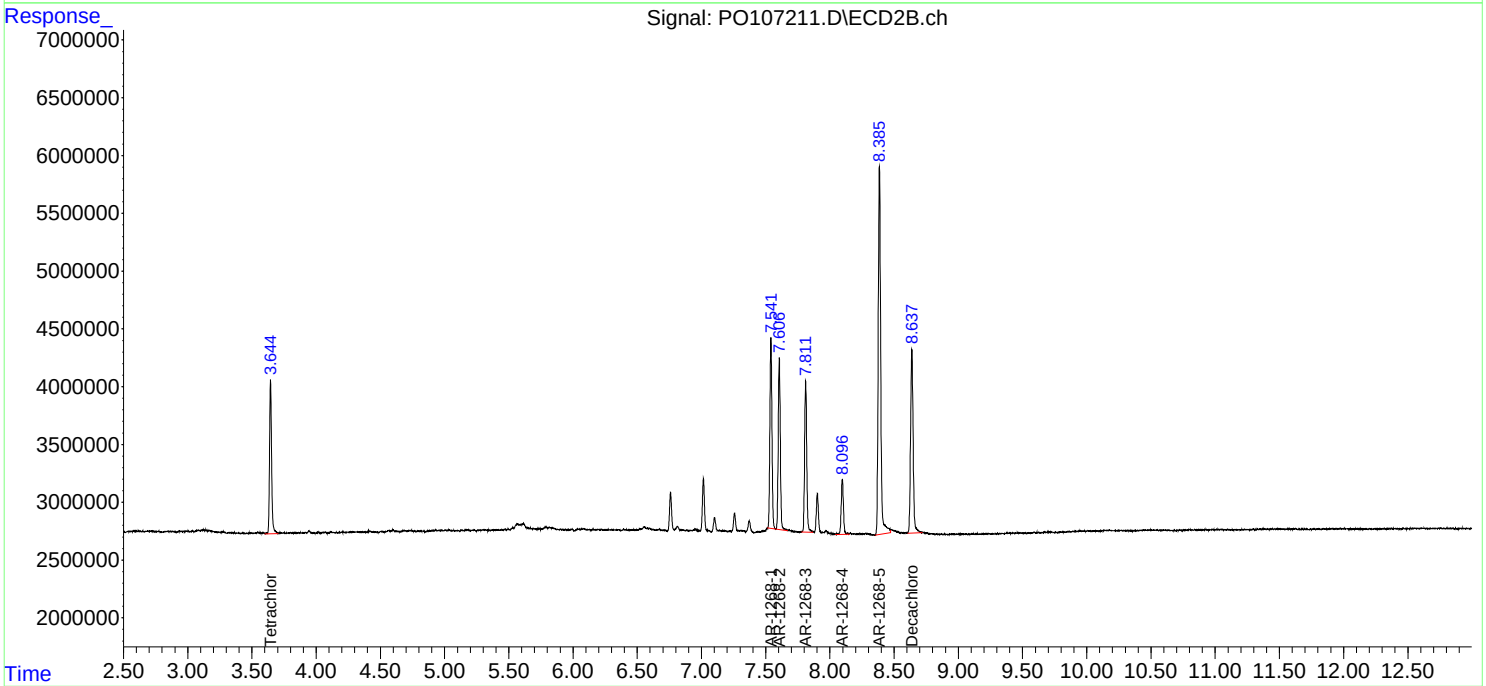
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

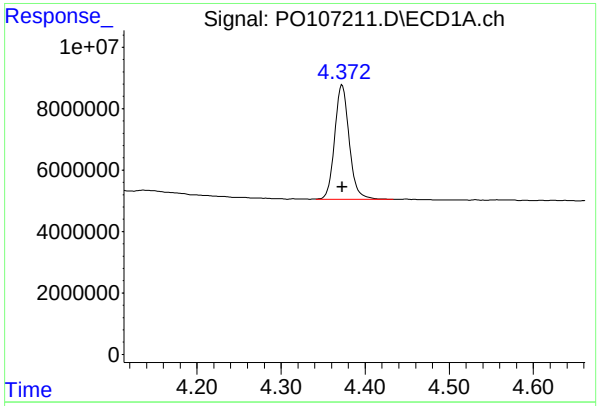
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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







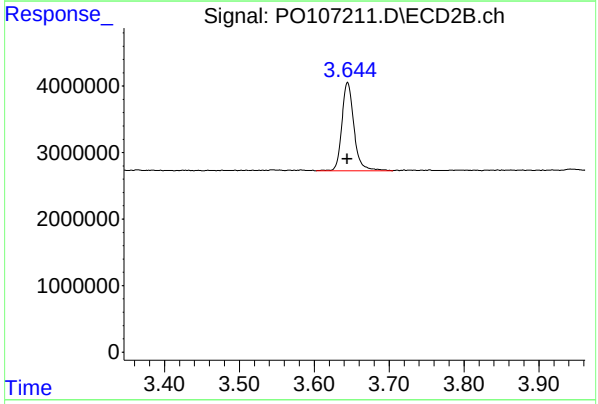
#1 Tetrachloro-m-xylene

R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 44759505
Conc: 4.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

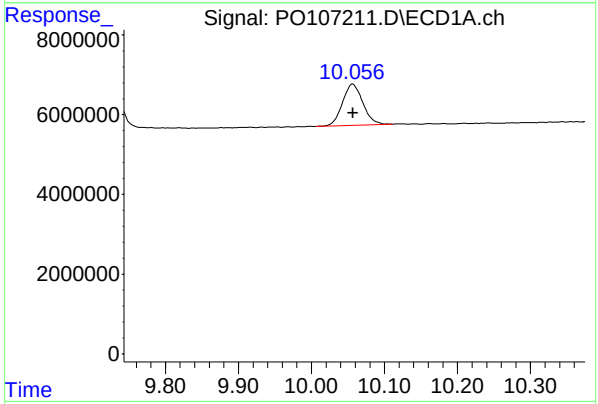
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



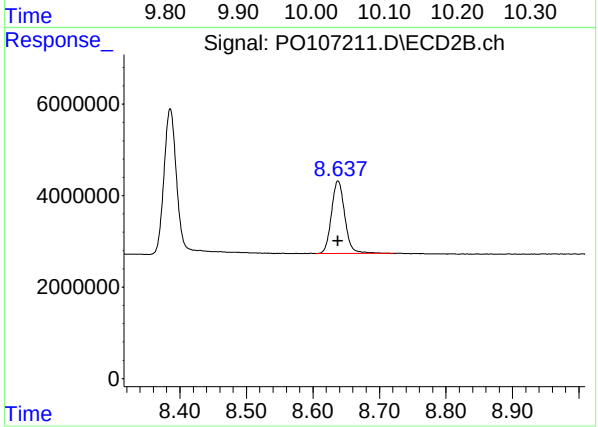
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14819032
Conc: 4.34 ng/ml



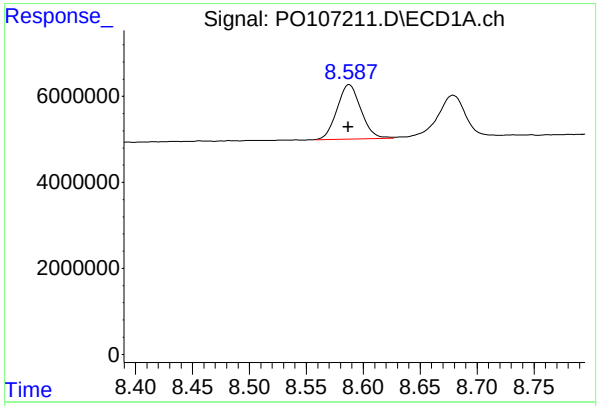
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: 0.000 min
Response: 20020423
Conc: 4.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 22152727
Conc: 4.59 ng/ml



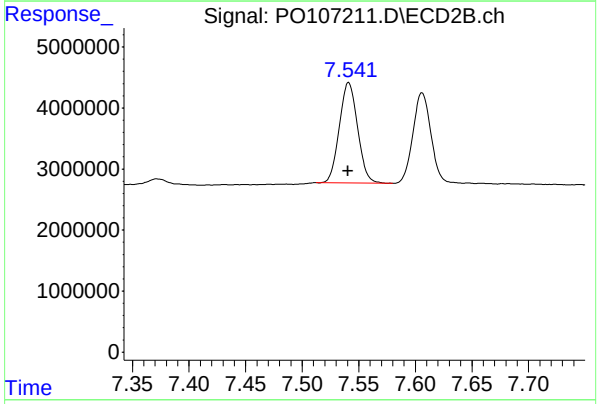
#41 AR-1268-1

R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 18469024
Conc: 50.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

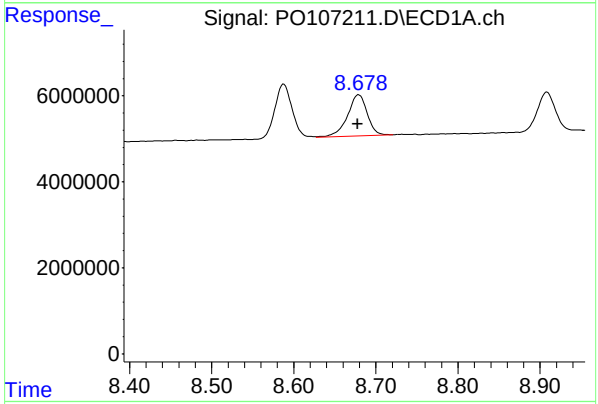
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



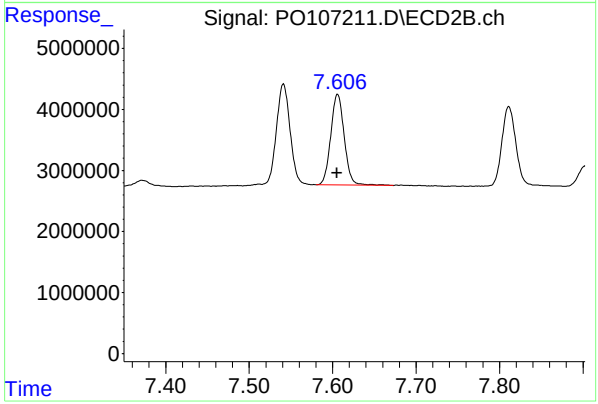
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 18447765
Conc: 44.57 ng/ml



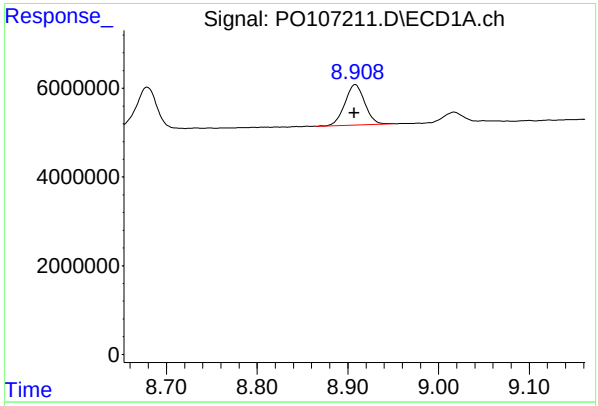
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 16014978
Conc: 49.30 ng/ml



#42 AR-1268-2

R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 16717280
Conc: 43.59 ng/ml



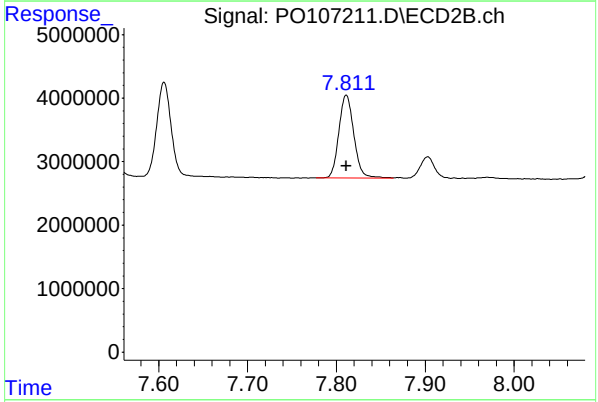
#43 AR-1268-3

R.T.: 8.908 min
Delta R.T.: 0.001 min
Response: 13783097
Conc: 48.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

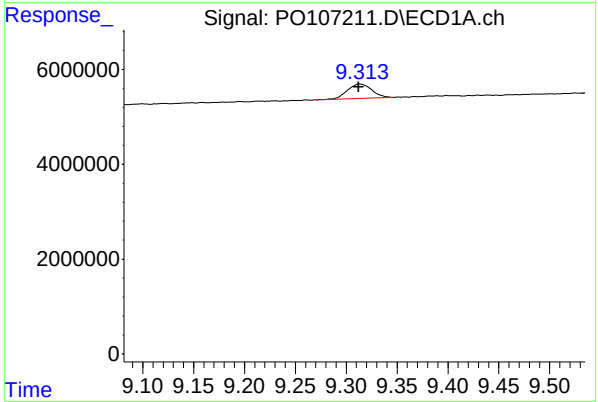
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



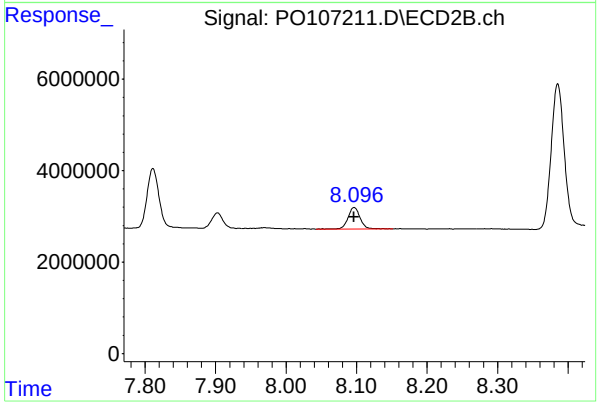
#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 15350219
Conc: 45.21 ng/ml



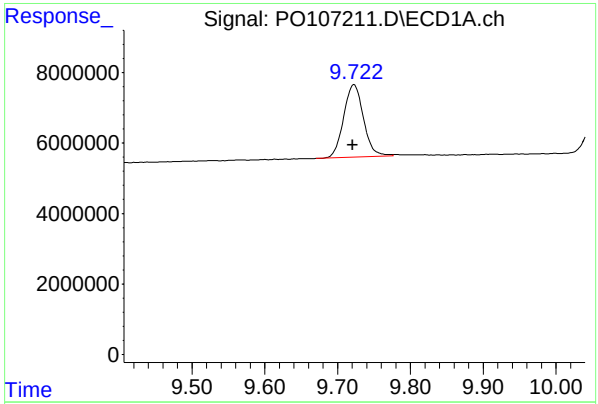
#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 5072917
Conc: 44.22 ng/ml



#44 AR-1268-4

R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 5687474
Conc: 44.68 ng/ml



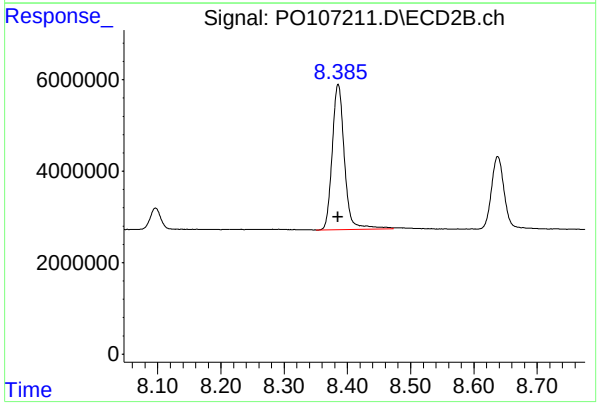
#45 AR-1268-5

R.T.: 9.723 min
Delta R.T.: 0.002 min
Response: 39053378
Conc: 46.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 42842014
Conc: 42.12 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	465.3E6	164.4E6	51.058	51.086
2)	SA Decachlor...	10.056	8.638	123.9E6	136.1E6	50.497	49.626
	Target Compounds						
3)	L1 AR-1016-1	5.521	4.726	134.9E6	51843655	500.111	502.042
4)	L1 AR-1016-2	5.543	4.745	197.8E6	72270469	498.259	512.674
5)	L1 AR-1016-3	5.606	4.920	128.2E6	39765886	510.233	504.992
6)	L1 AR-1016-4	5.702	4.962	100.3E6	33242228	520.863	502.845
7)	L1 AR-1016-5	5.997	5.175	96027789	42039253	525.737	511.838
31)	L7 AR-1260-1	7.123	6.207	127.8E6	78048903	494.246	503.040
32)	L7 AR-1260-2	7.380	6.394	129.5E6	92023271	492.099	522.516
33)	L7 AR-1260-3	7.741	6.547	88394667	86099269	491.778	513.265
34)	L7 AR-1260-4	7.966	7.018	84877632	73152631	483.623	505.614
35)	L7 AR-1260-5	8.279	7.258	138.1E6	168.0E6	485.508	510.033

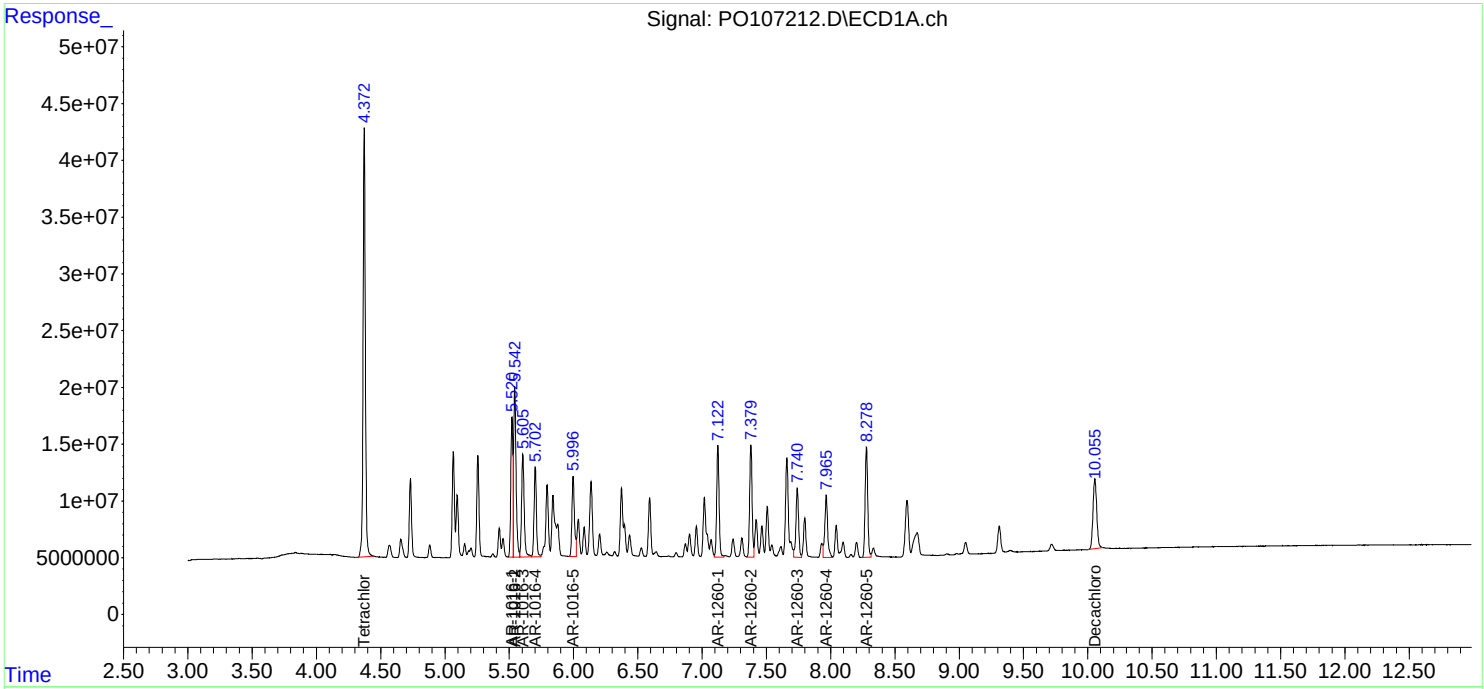
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

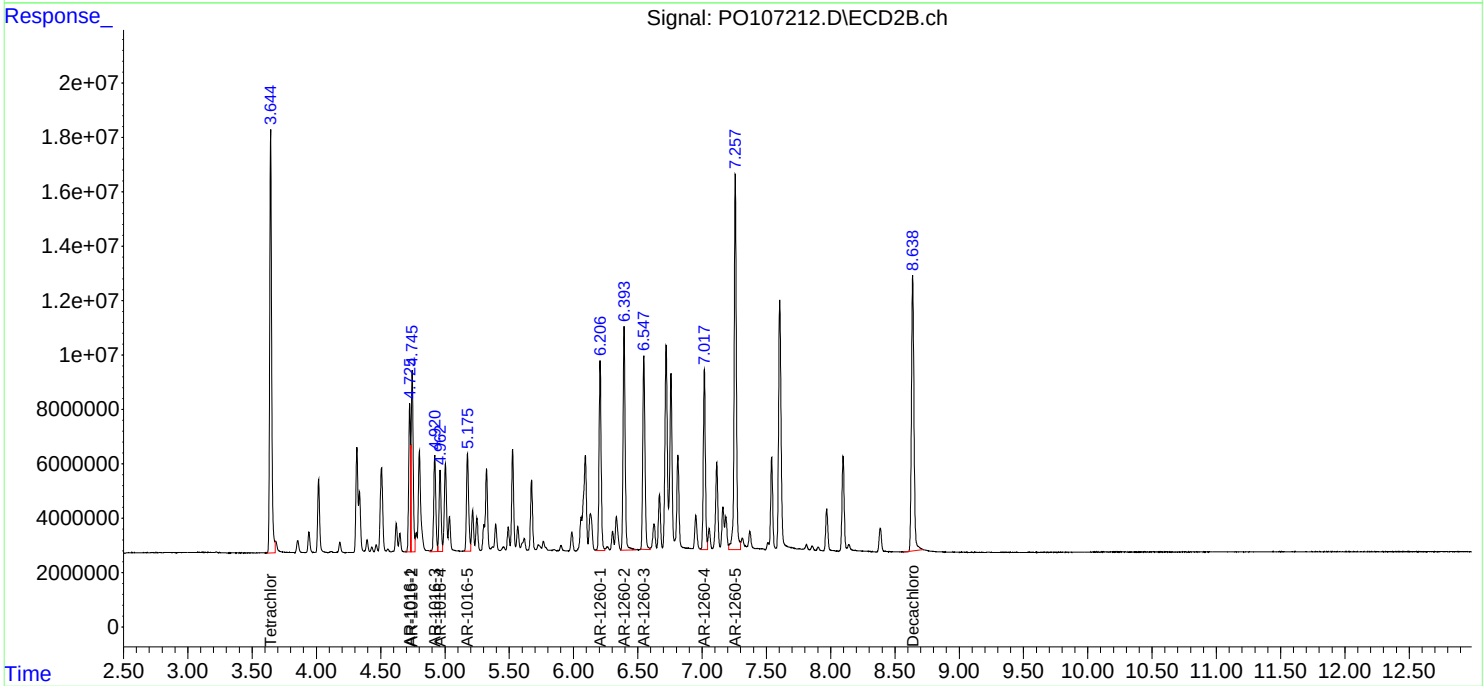
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

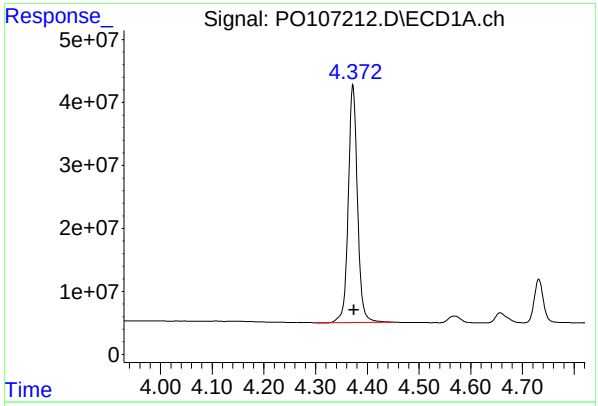
Instrument :
ECD_O
ClientSampleId :
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



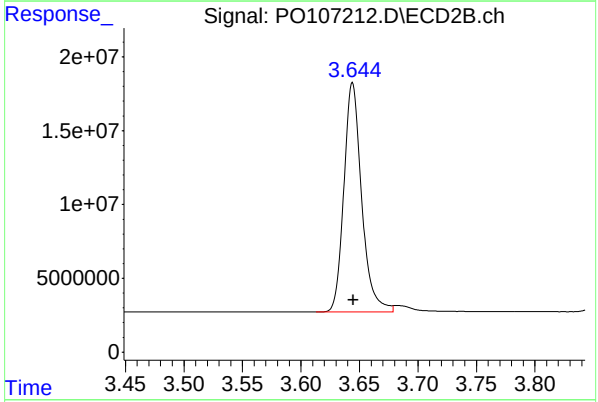




#1 Tetrachloro-m-xylene

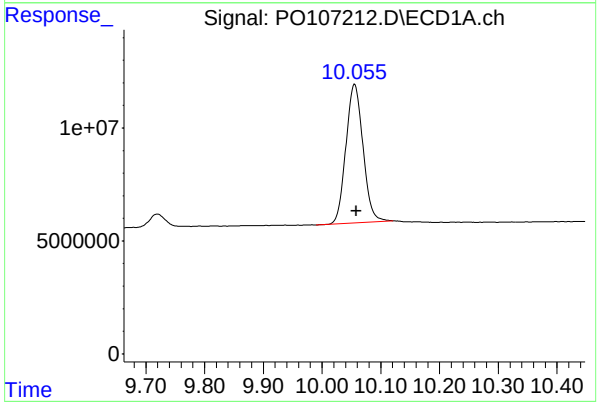
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 465340275
Conc: 51.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



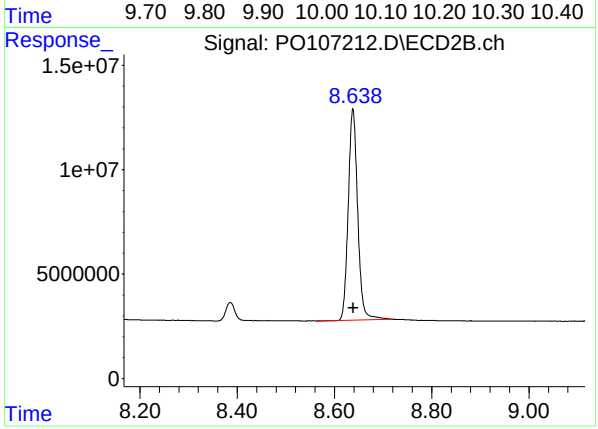
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 164419985
Conc: 51.09 ng/ml



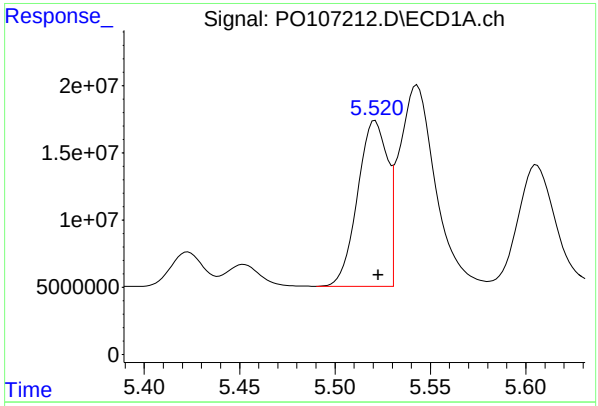
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.003 min
Response: 123888908
Conc: 50.50 ng/ml



#2 Decachlorobiphenyl

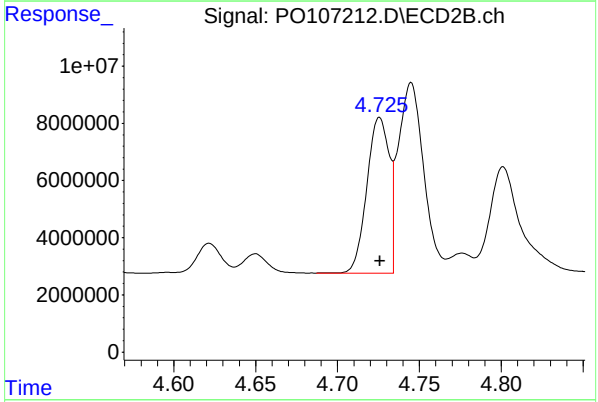
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 136053579
Conc: 49.63 ng/ml



#3 AR-1016-1

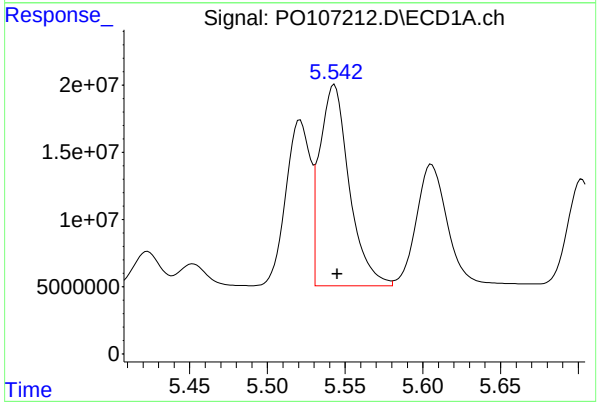
R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 134937005
Conc: 500.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



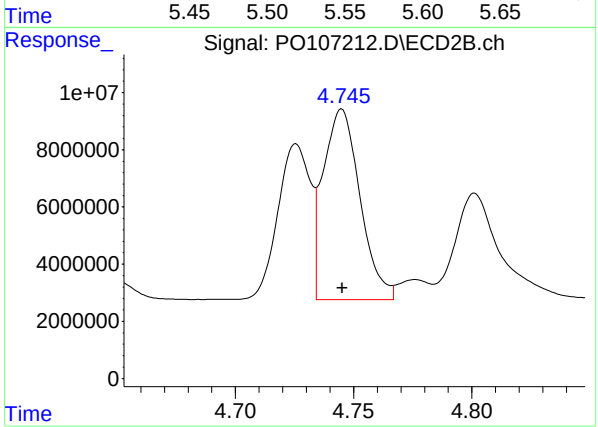
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 51843655
Conc: 502.04 ng/ml



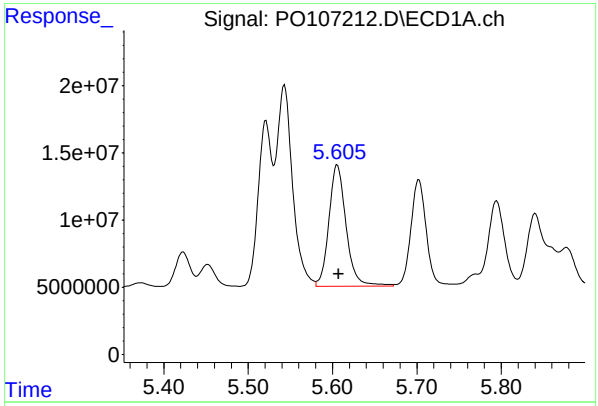
#4 AR-1016-2

R.T.: 5.543 min
Delta R.T.: -0.002 min
Response: 197751607
Conc: 498.26 ng/ml



#4 AR-1016-2

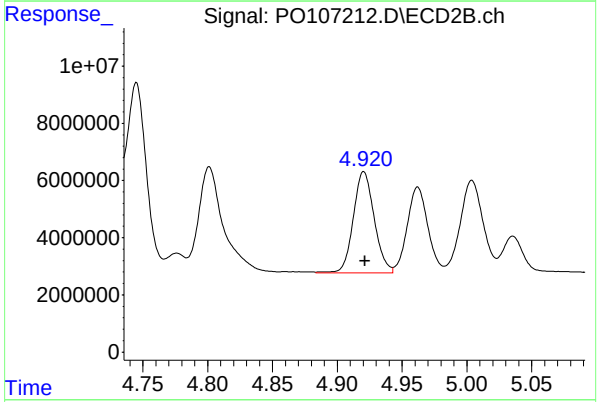
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 72270469
Conc: 512.67 ng/ml



#5 AR-1016-3

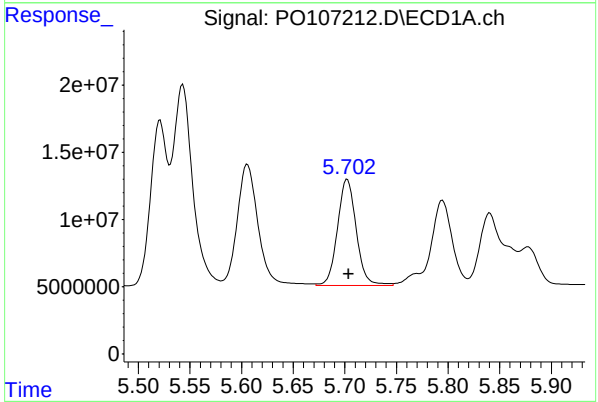
R.T.: 5.606 min
Delta R.T.: -0.002 mi
Response: 128154908
Conc: 510.23 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



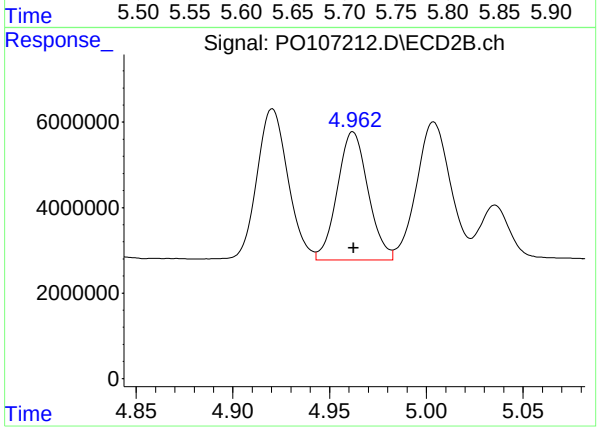
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 39765886
Conc: 504.99 ng/ml



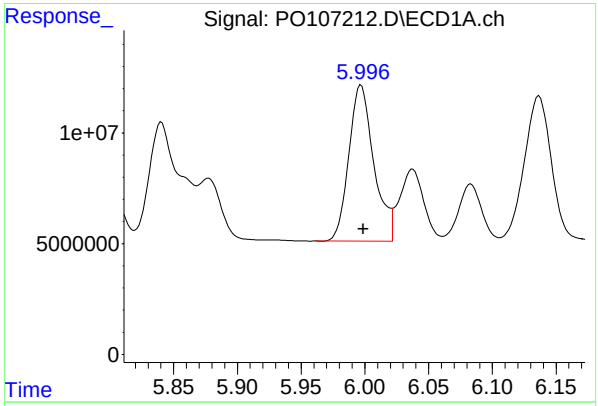
#6 AR-1016-4

R.T.: 5.702 min
Delta R.T.: -0.002 min
Response: 100324433
Conc: 520.86 ng/ml



#6 AR-1016-4

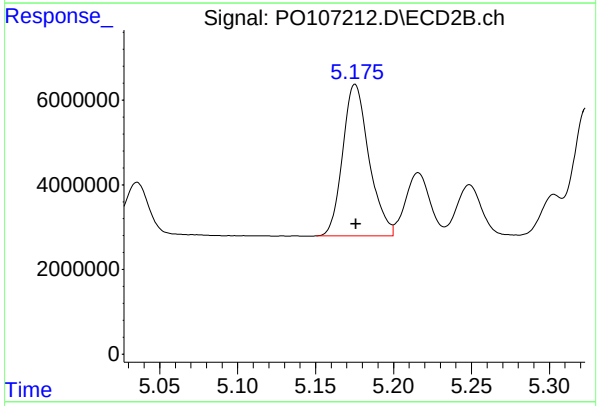
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 33242228
Conc: 502.84 ng/ml



#7 AR-1016-5

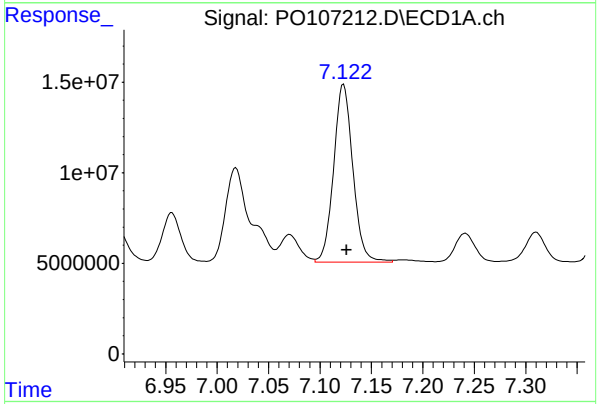
R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 96027789
Conc: 525.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



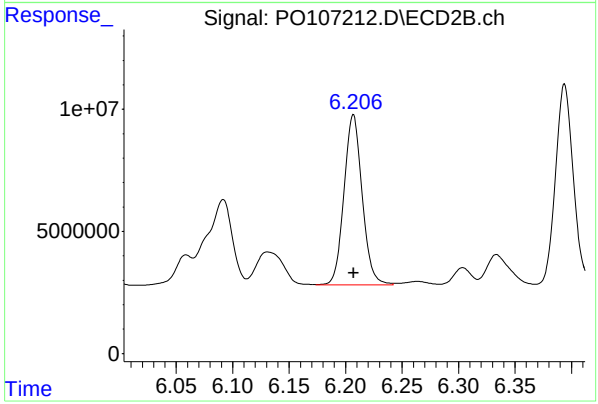
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 42039253
Conc: 511.84 ng/ml



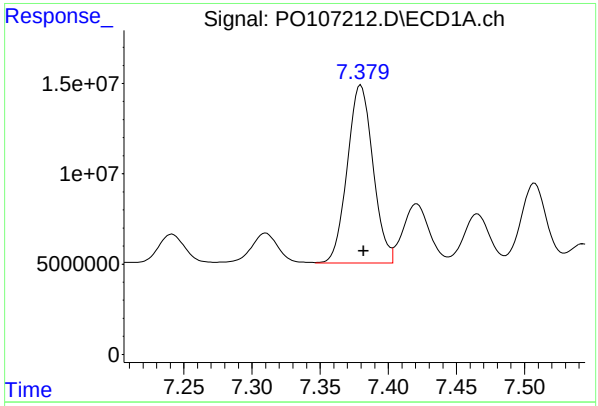
#31 AR-1260-1

R.T.: 7.123 min
Delta R.T.: -0.003 min
Response: 127806458
Conc: 494.25 ng/ml



#31 AR-1260-1

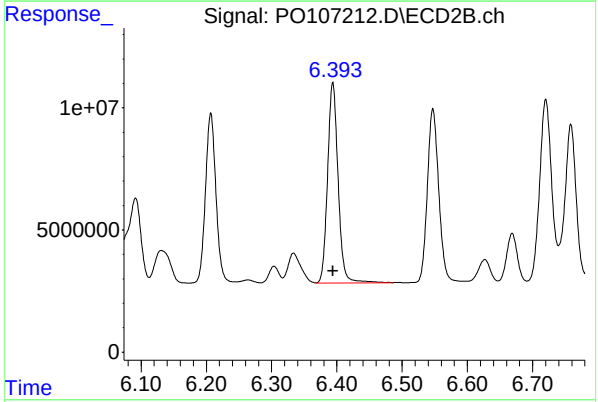
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 78048903
Conc: 503.04 ng/ml



#32 AR-1260-2

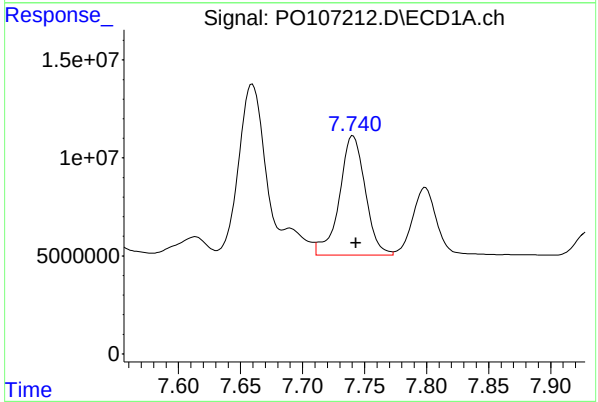
R.T.: 7.380 min
Delta R.T.: -0.002 min
Response: 129530294
Conc: 492.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



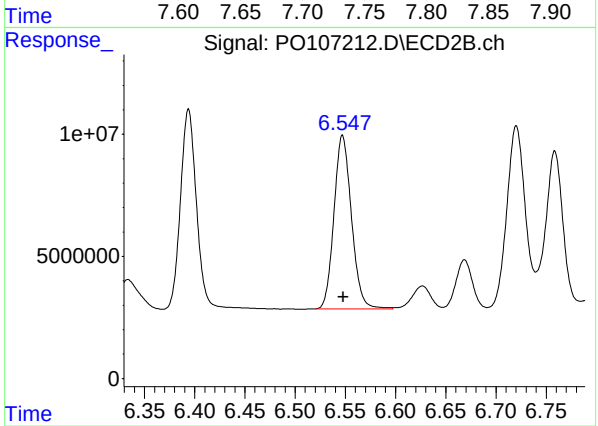
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 92023271
Conc: 522.52 ng/ml



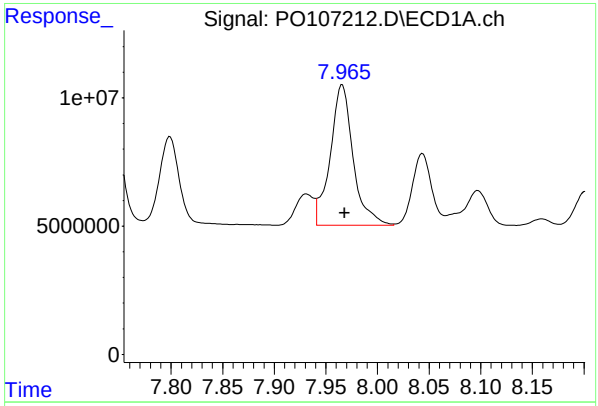
#33 AR-1260-3

R.T.: 7.741 min
Delta R.T.: -0.002 min
Response: 88394667
Conc: 491.78 ng/ml



#33 AR-1260-3

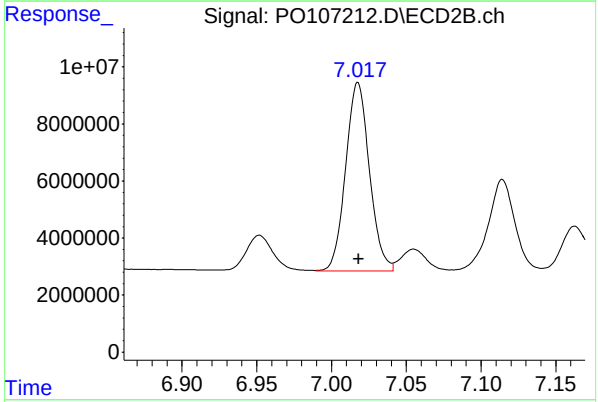
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 86099269
Conc: 513.27 ng/ml



#34 AR-1260-4

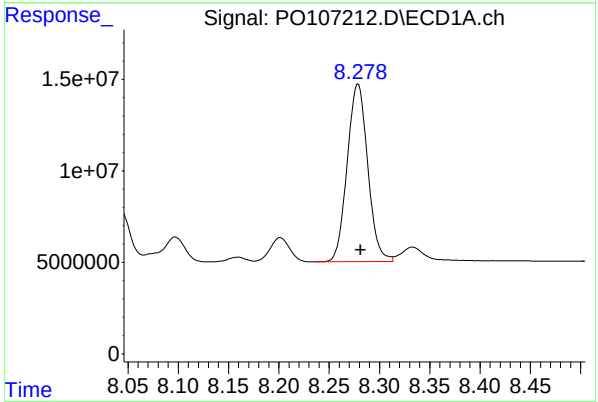
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 84877632
Conc: 483.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



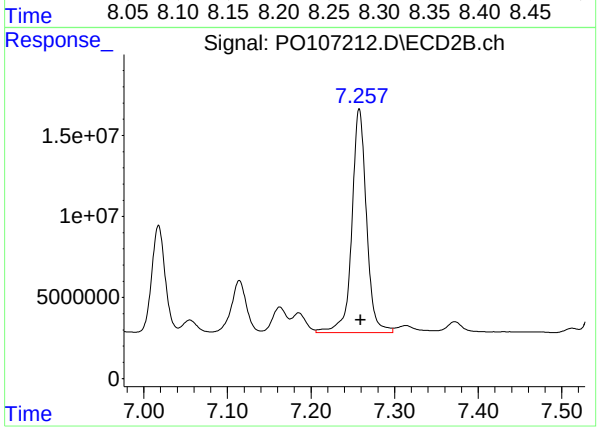
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 73152631
Conc: 505.61 ng/ml



#35 AR-1260-5

R.T.: 8.279 min
Delta R.T.: -0.002 min
Response: 138075337
Conc: 485.51 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 168025694
Conc: 510.03 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 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...	4.373	3.644	462.5E6	169.0E6	51.003	52.312
2)	SA Decachlor...	10.058	8.637	124.4E6	137.6E6	50.838	50.298
	Target Compounds						
16)	L4 AR-1242-1	5.522	4.726	112.5E6	42391283	503.251	506.204
17)	L4 AR-1242-2	5.544	4.745	161.7E6	59212746	499.677	512.049
18)	L4 AR-1242-3	5.606	4.921	104.8E6	32647360	501.419	514.673
19)	L4 AR-1242-4	5.703	5.004	80827975	32698937	505.157	510.527
20)	L4 AR-1242-5	6.436	5.526	77500840	39282831	495.270	506.721

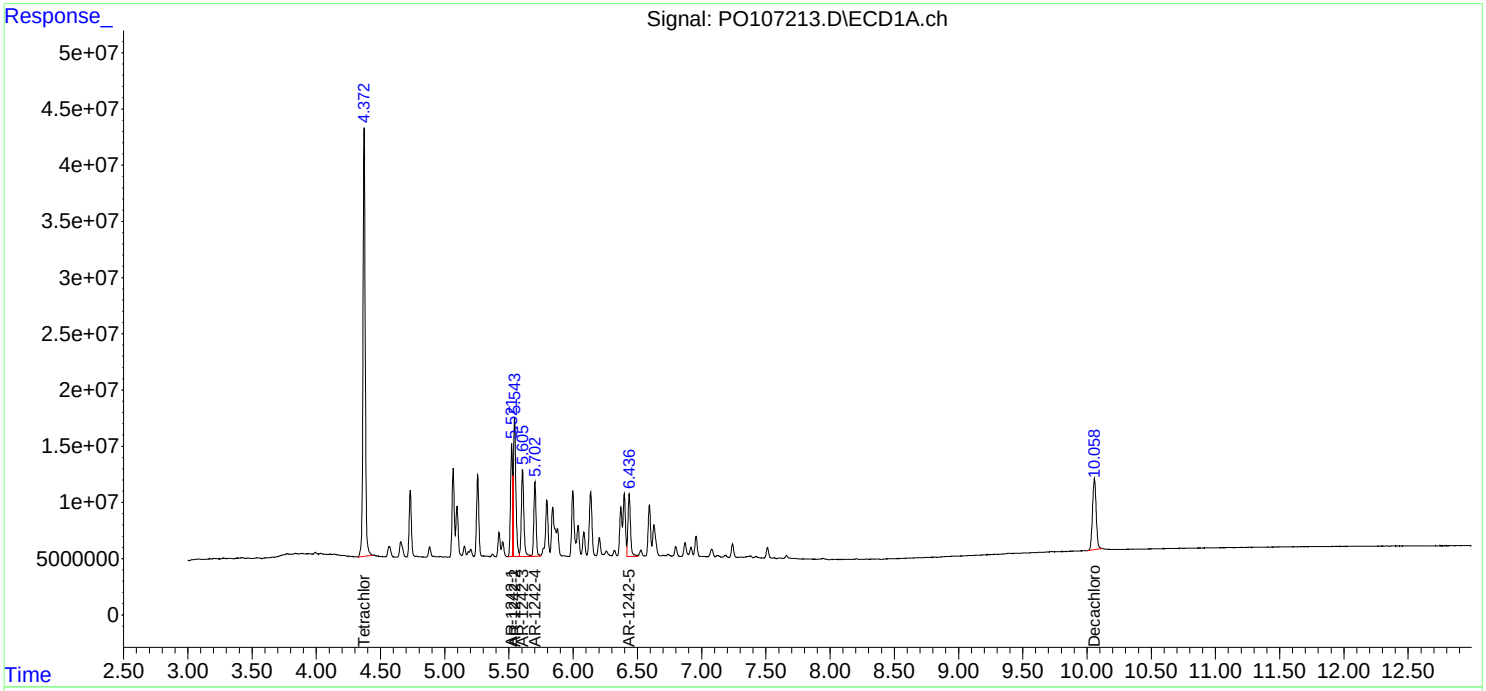
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

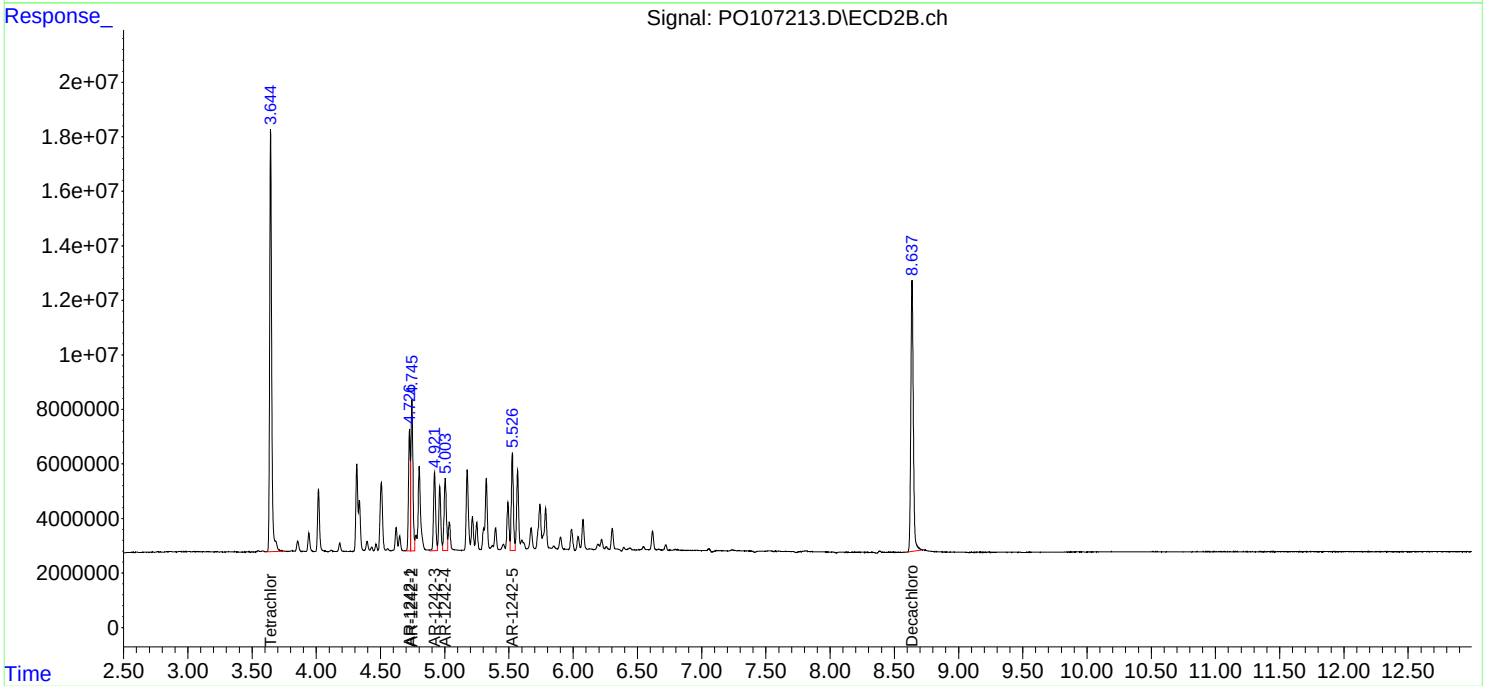
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

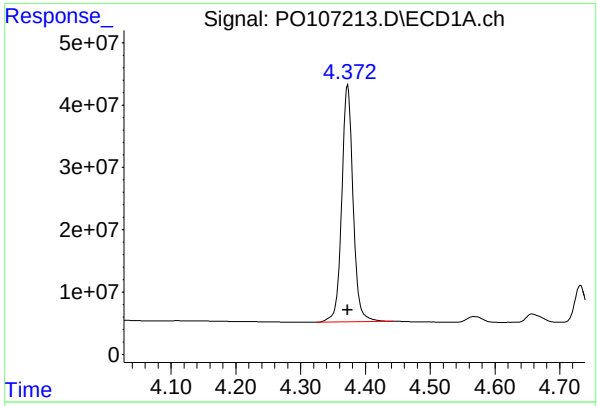
Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 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



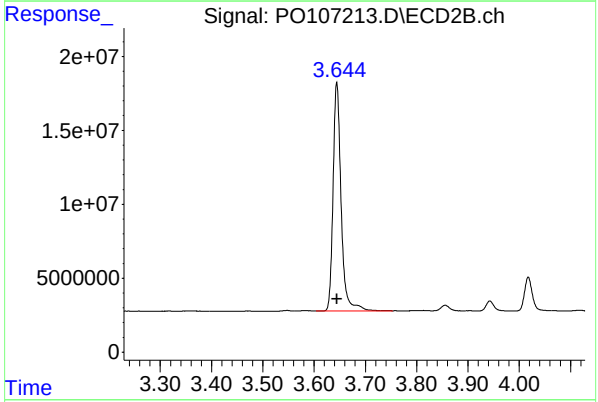




#1 Tetrachloro-m-xylene

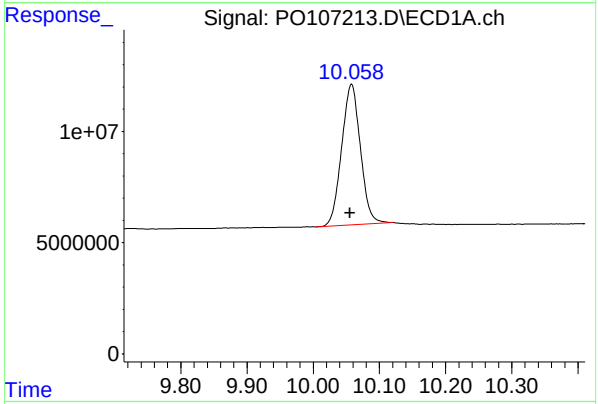
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 462467958
Conc: 51.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



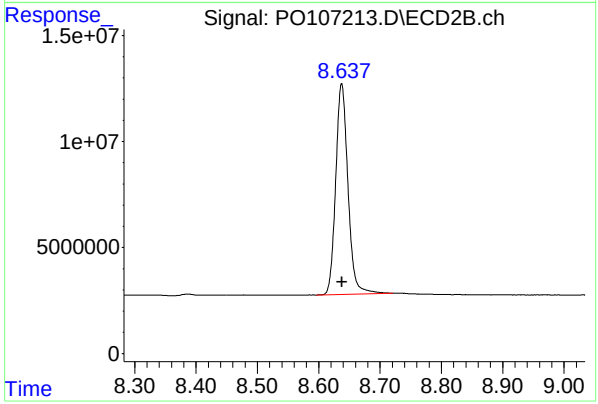
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169014013
Conc: 52.31 ng/ml



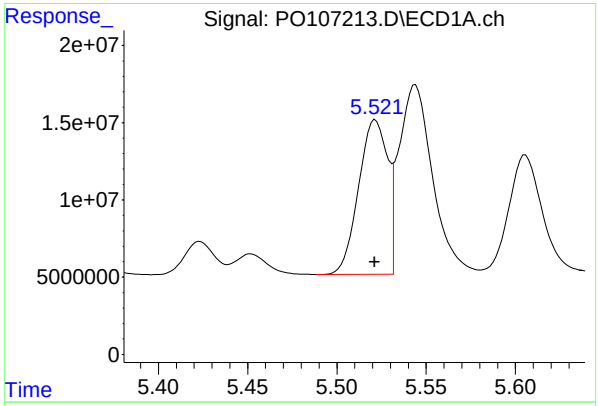
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.003 min
Response: 124432920
Conc: 50.84 ng/ml



#2 Decachlorobiphenyl

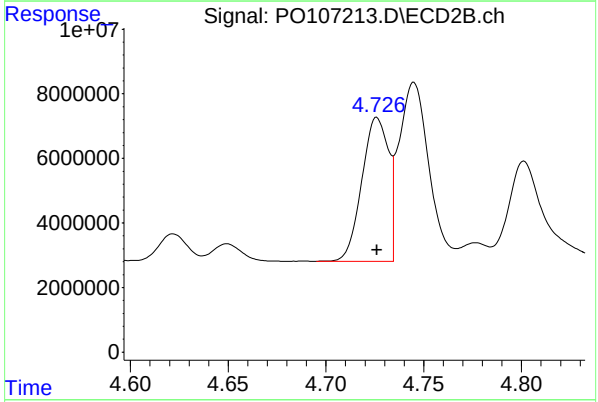
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 137612293
Conc: 50.30 ng/ml



#16 AR-1242-1

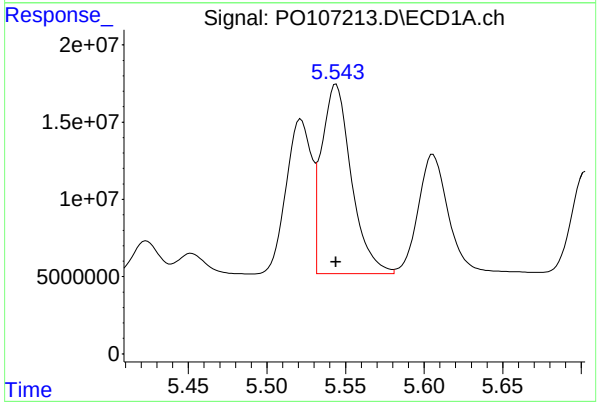
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 112547896
Conc: 503.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



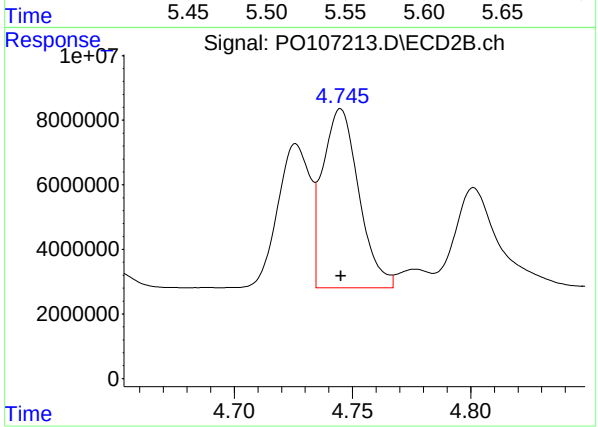
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 42391283
Conc: 506.20 ng/ml



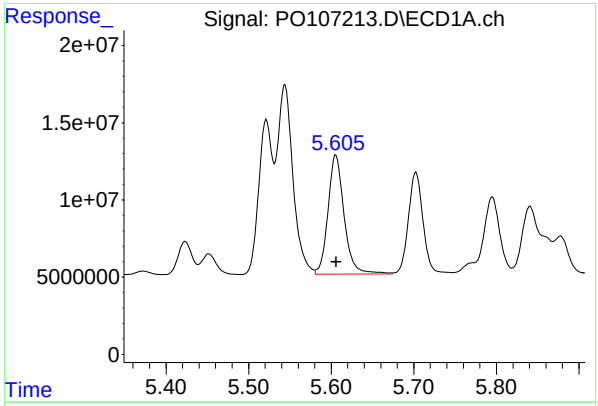
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 161655864
Conc: 499.68 ng/ml



#17 AR-1242-2

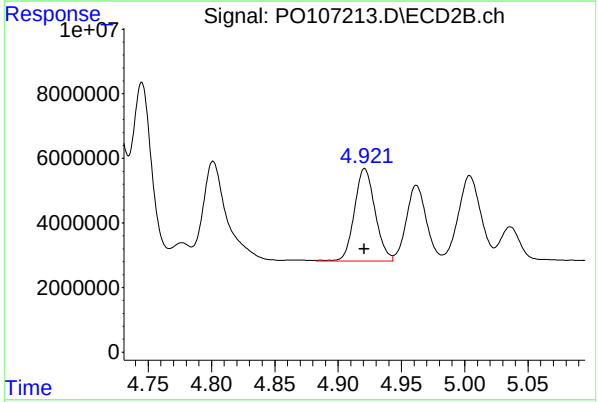
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 59212746
Conc: 512.05 ng/ml



#18 AR-1242-3

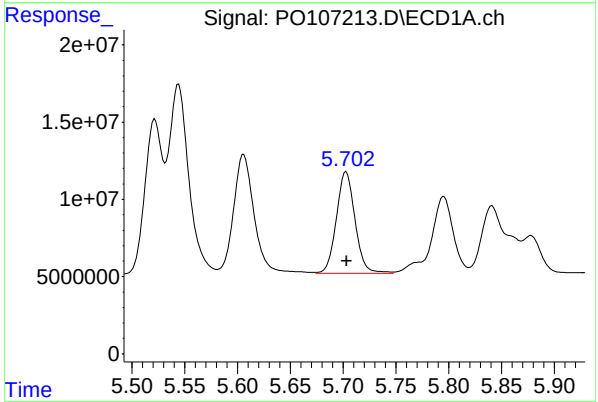
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 104784876
Conc: 501.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



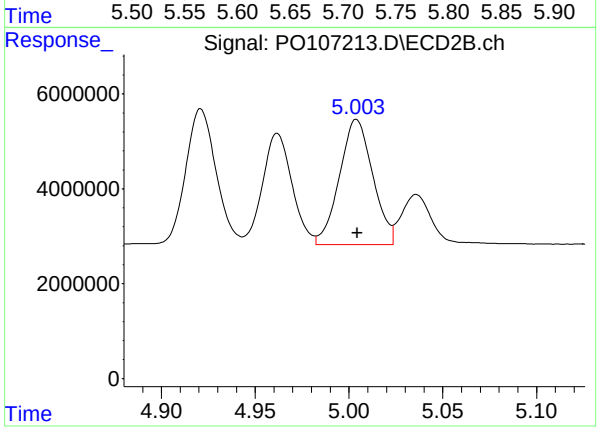
#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 32647360
Conc: 514.67 ng/ml



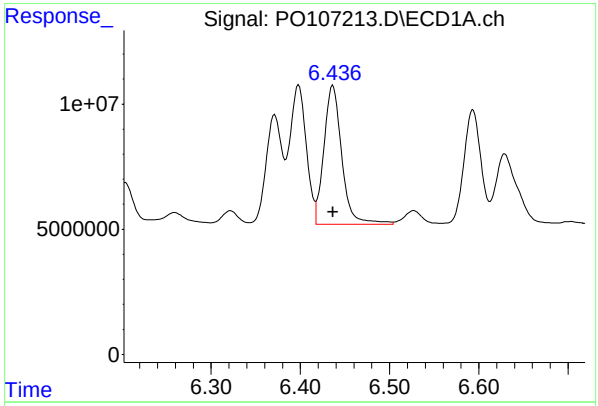
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 80827975
Conc: 505.16 ng/ml



#19 AR-1242-4

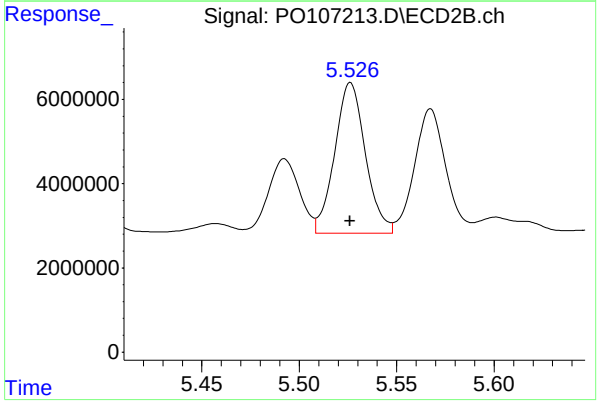
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 32698937
Conc: 510.53 ng/ml



#20 AR-1242-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 77500840
Conc: 495.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 39282831
Conc: 506.72 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	468.2E6	171.8E6	51.242	52.316
2)	SA Decachlor...	10.056	8.637	126.4E6	139.3E6	51.882	50.991
	Target Compounds						
21)	L5 AR-1248-1	5.521	4.726	87306267	32470217	502.117	511.816
22)	L5 AR-1248-2	5.794	4.962	126.0E6	46450269	498.018	507.736
23)	L5 AR-1248-3	5.997	5.004	130.0E6	48736000	508.271	510.896
24)	L5 AR-1248-4	6.397	5.175	129.0E6	57212370	500.494	510.195
25)	L5 AR-1248-5	6.436	5.567	130.2E6	54714064	500.737	496.185

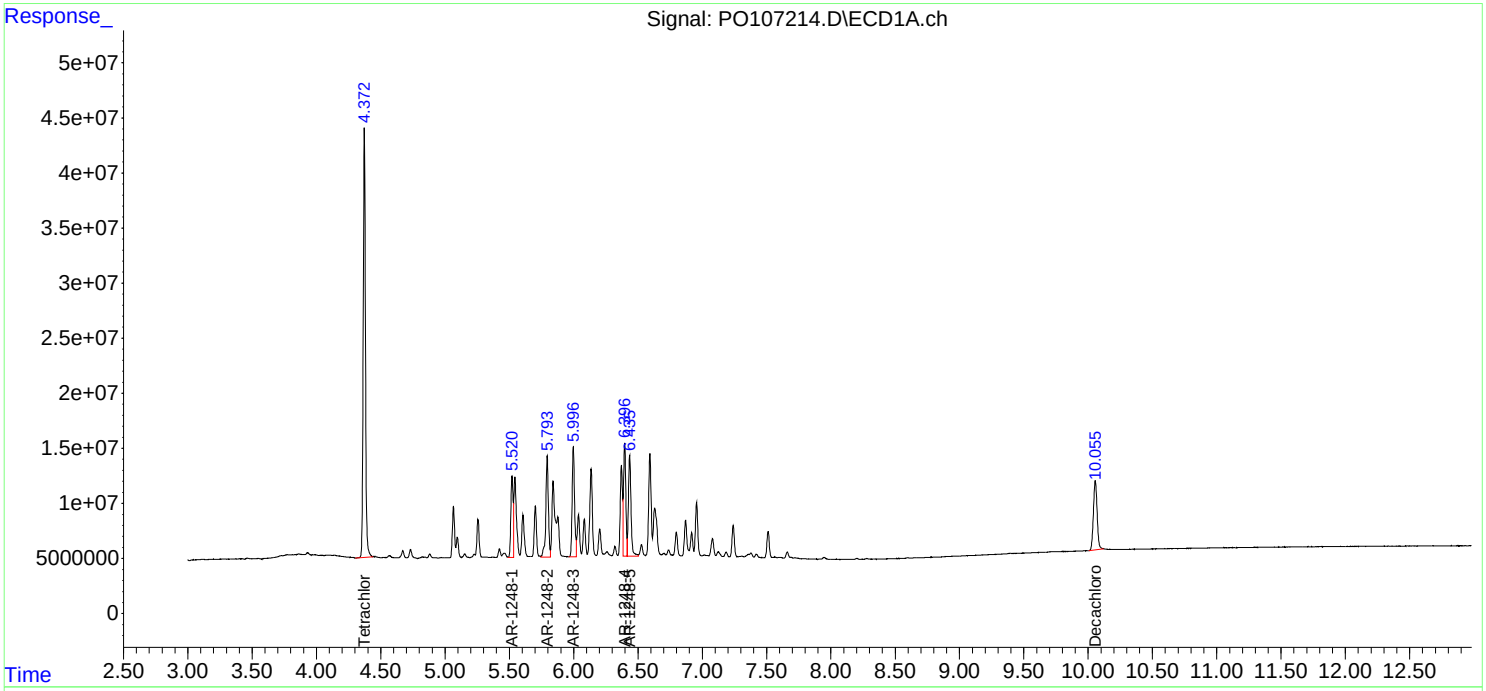
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

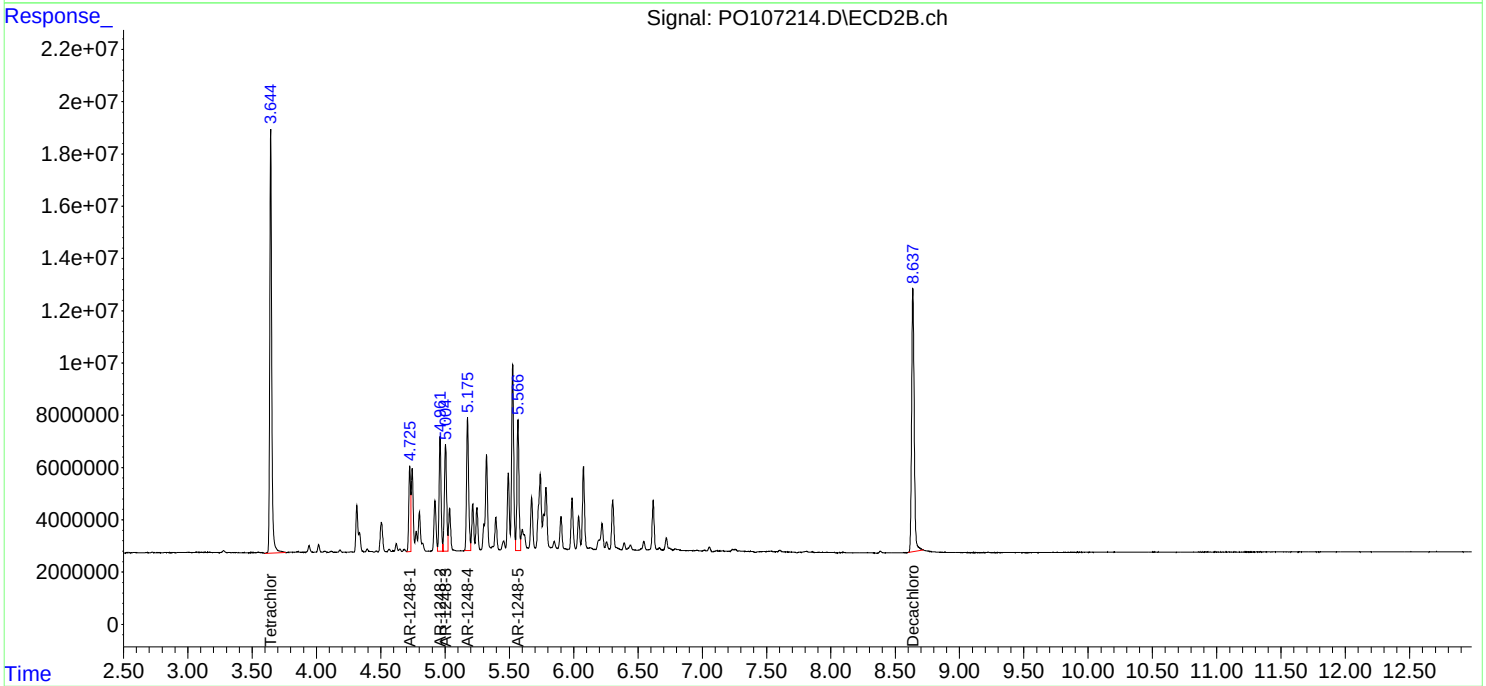
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

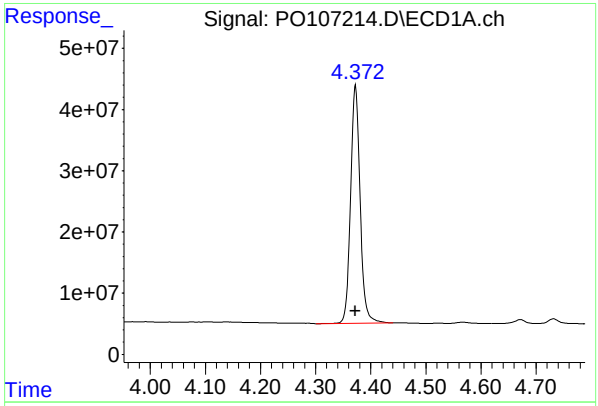
Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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



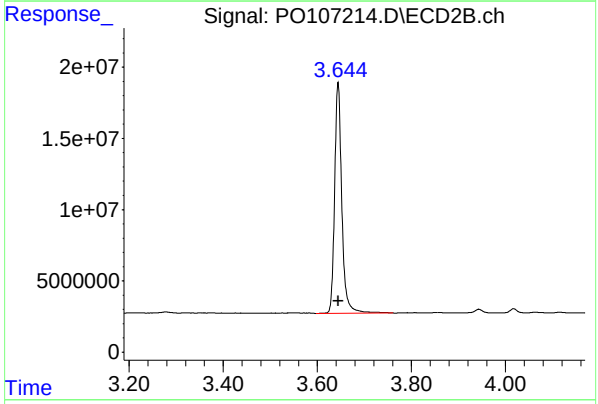




#1 Tetrachloro-m-xylene

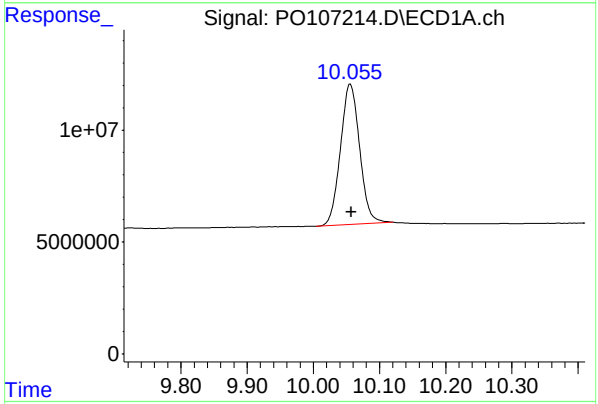
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 468218495
Conc: 51.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



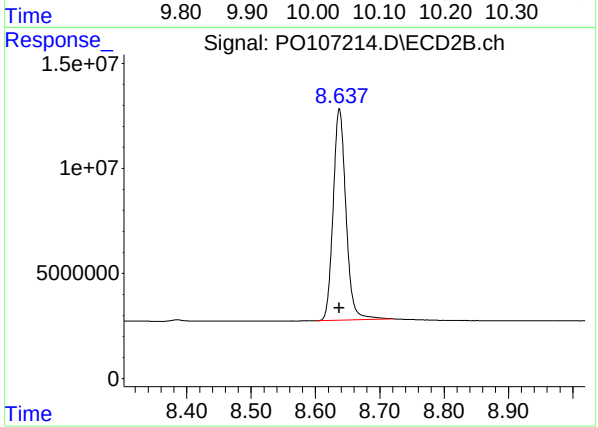
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 171820409
Conc: 52.32 ng/ml



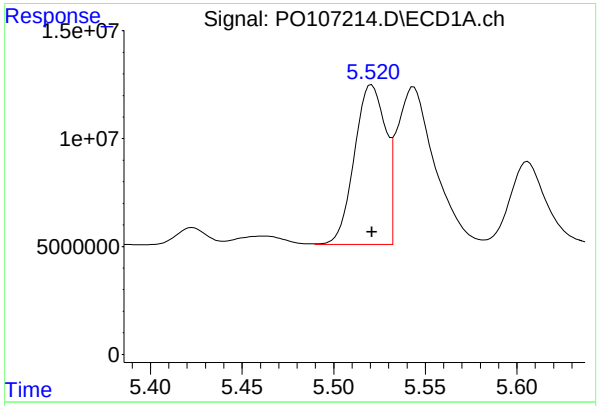
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 126367490
Conc: 51.88 ng/ml



#2 Decachlorobiphenyl

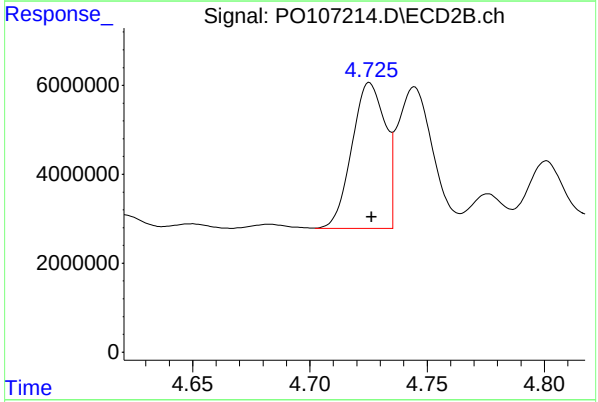
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 139311316
Conc: 50.99 ng/ml



#21 AR-1248-1

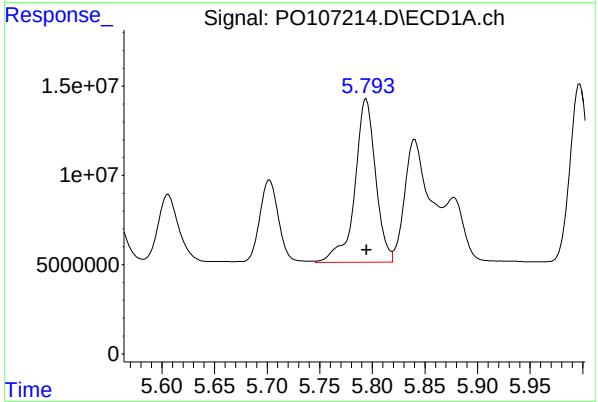
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 87306267
Conc: 502.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



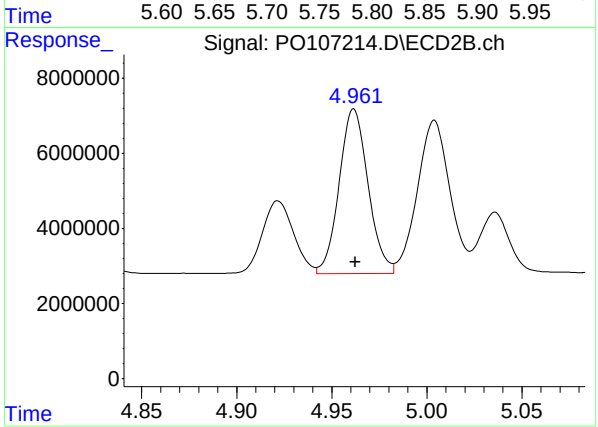
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 32470217
Conc: 511.82 ng/ml



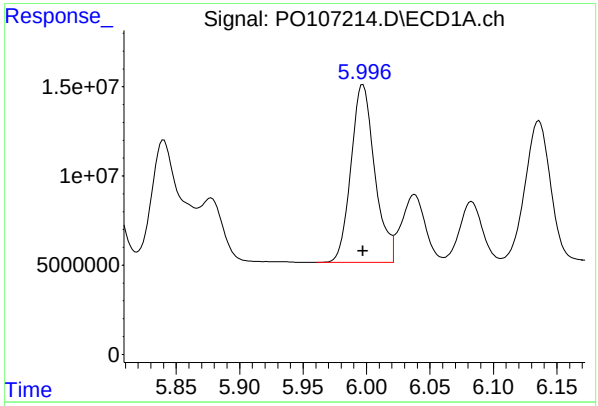
#22 AR-1248-2

R.T.: 5.794 min
Delta R.T.: 0.000 min
Response: 126011117
Conc: 498.02 ng/ml



#22 AR-1248-2

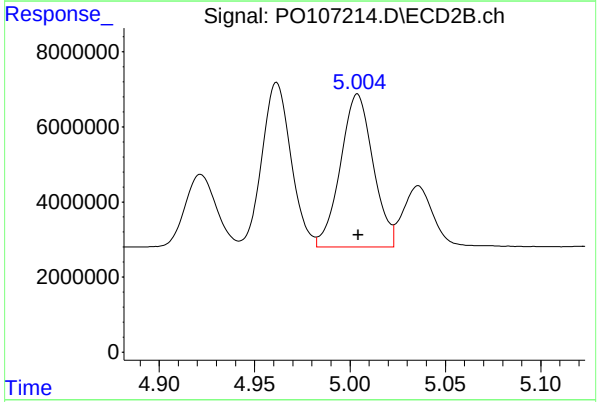
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 46450269
Conc: 507.74 ng/ml



#23 AR-1248-3

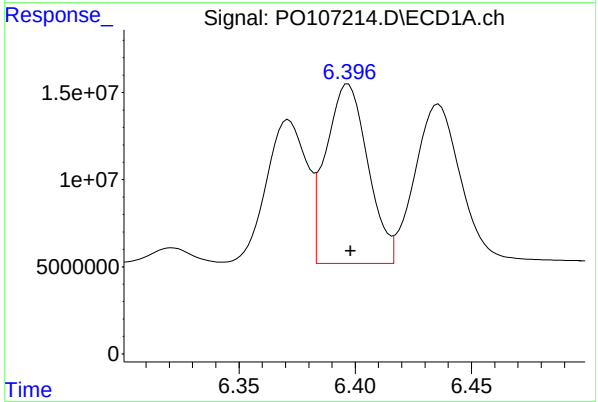
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 129957922
Conc: 508.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



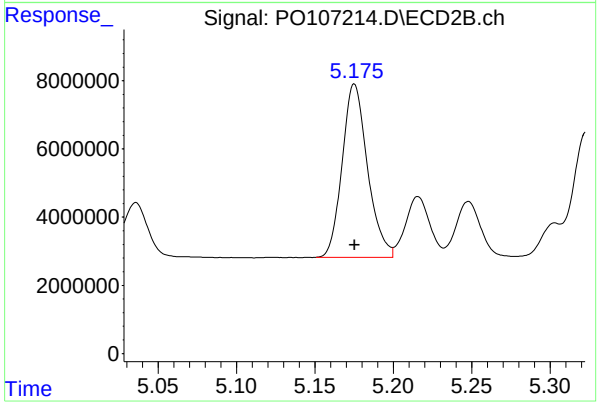
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 48736000
Conc: 510.90 ng/ml



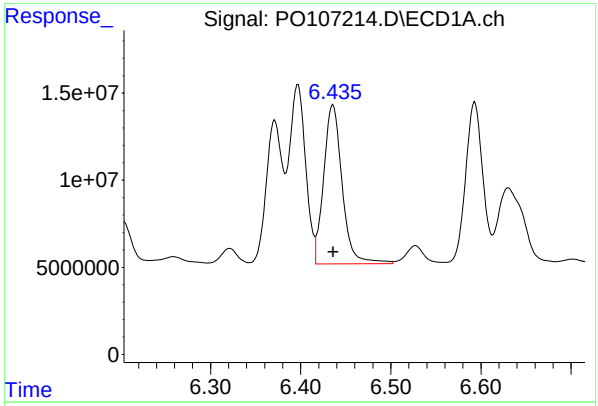
#24 AR-1248-4

R.T.: 6.397 min
Delta R.T.: -0.001 min
Response: 129038438
Conc: 500.49 ng/ml



#24 AR-1248-4

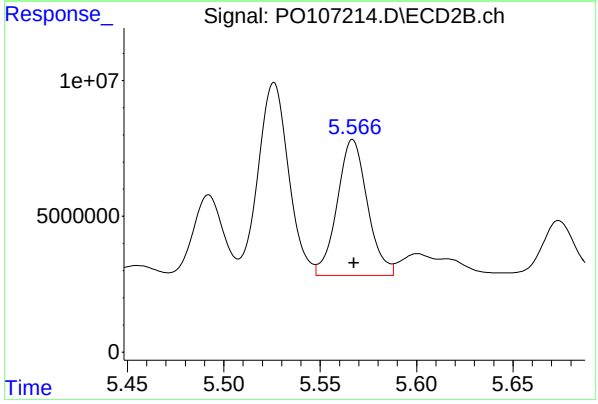
R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 57212370
Conc: 510.19 ng/ml



#25 AR-1248-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 130213442
Conc: 500.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 54714064
Conc: 496.18 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	461.3E6	168.2E6	50.657	51.320
2)	SA Decachlor...	10.057	8.638	125.1E6	138.4E6	51.131	50.597
	Target Compounds						
26)	L6 AR-1254-1	6.374	5.527	132.5E6	83096071	492.928	504.260
27)	L6 AR-1254-2	6.592	5.673	186.6E6	72524753	494.424	500.299
28)	L6 AR-1254-3	6.956	6.077	177.6E6	116.6E6	496.443	508.012
29)	L6 AR-1254-4	7.242	6.304	112.6E6	65655140	490.851	507.289
30)	L6 AR-1254-5	7.661	6.722	102.5E6	98535916	493.779	515.754

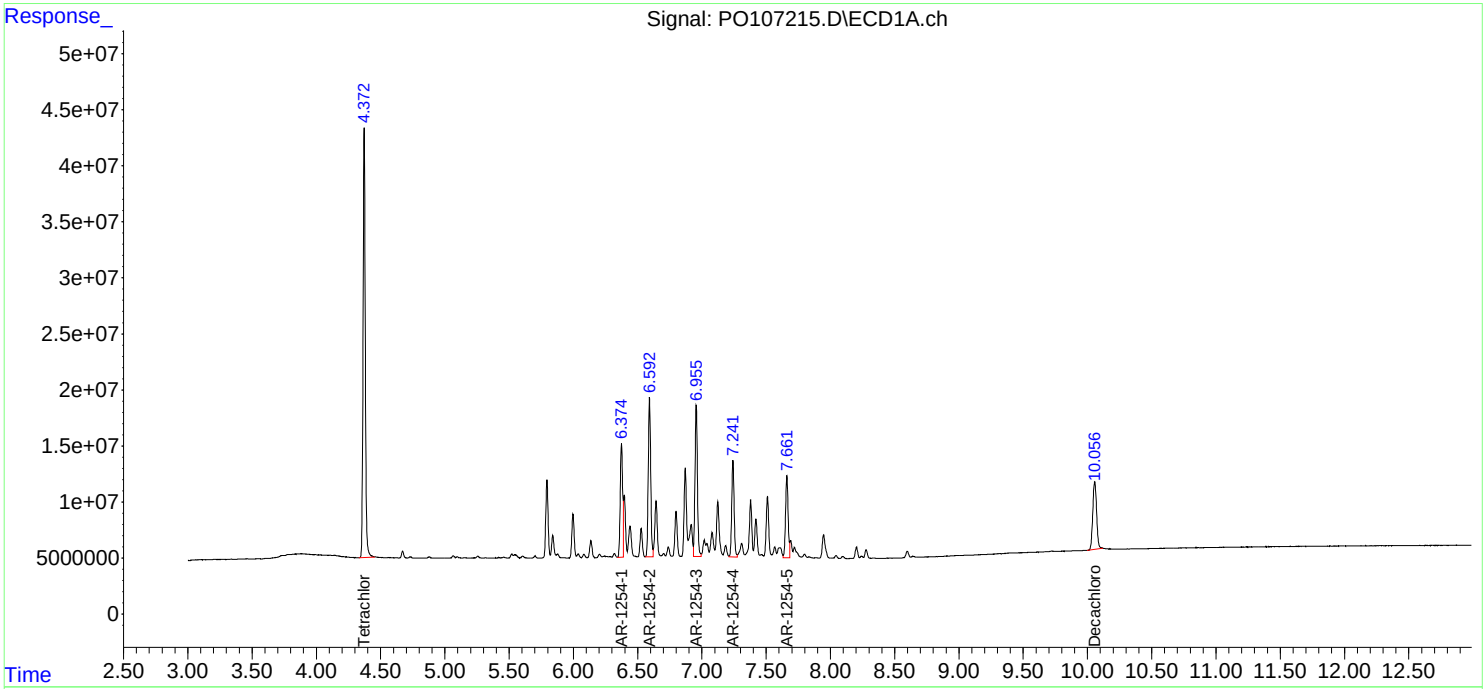
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

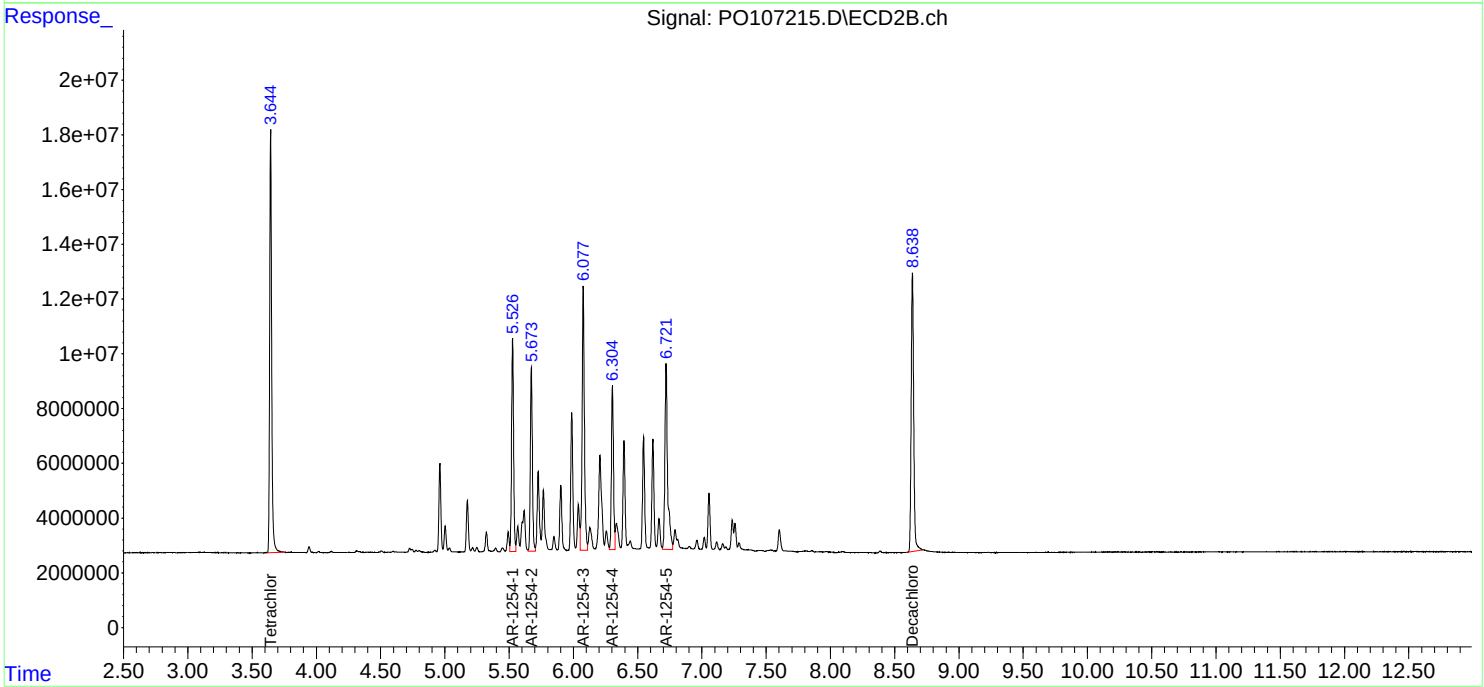
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

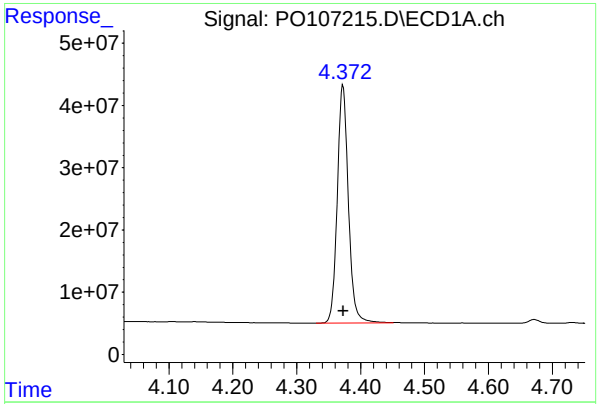
Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 2024
Response via : Initial Calibration
Integrator: ChemStation

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



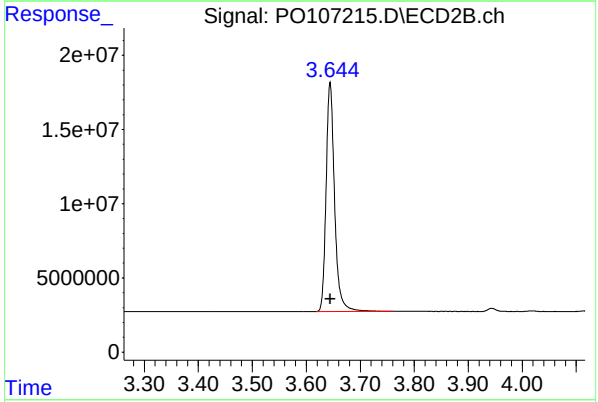




#1 Tetrachloro-m-xylene

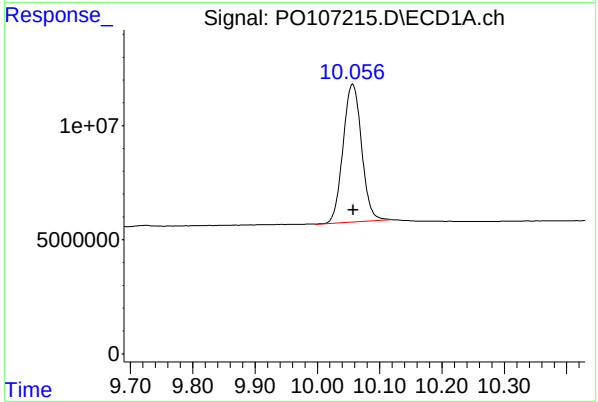
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 461315023
Conc: 50.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



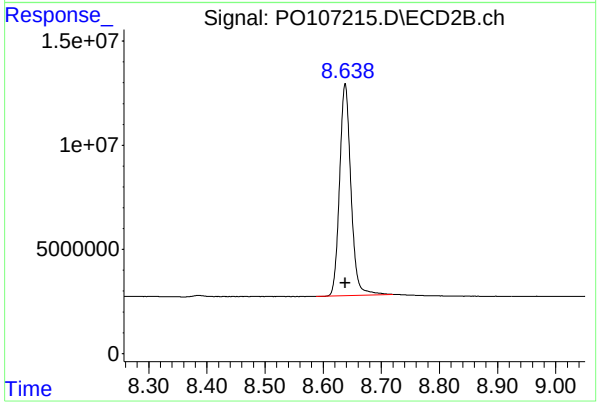
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 168249288
Conc: 51.32 ng/ml



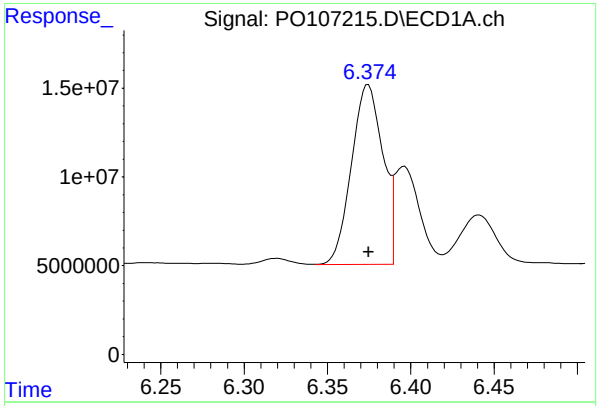
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 125059181
Conc: 51.13 ng/ml



#2 Decachlorobiphenyl

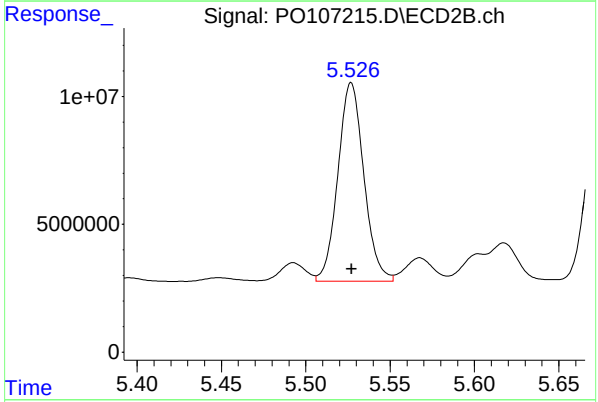
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 138374954
Conc: 50.60 ng/ml



#26 AR-1254-1

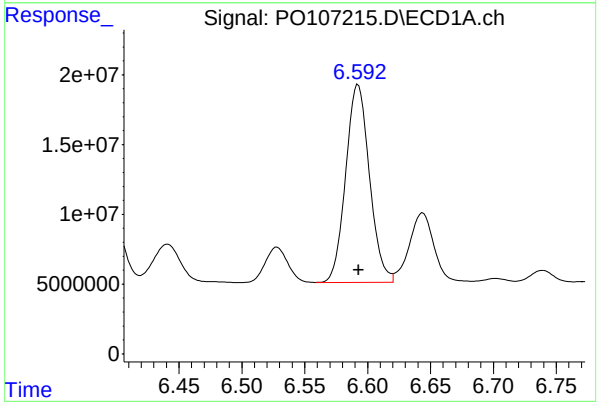
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 132473603
Conc: 492.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



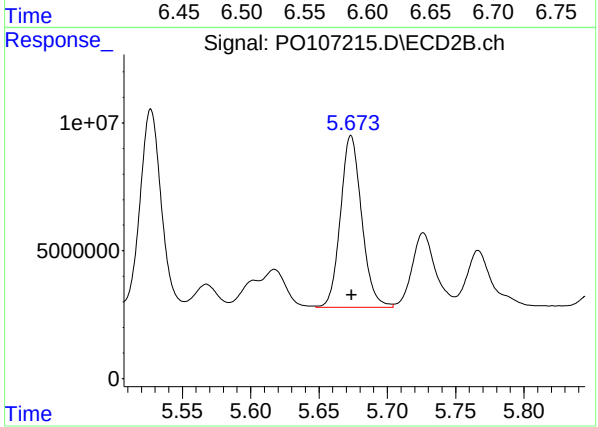
#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 83096071
Conc: 504.26 ng/ml



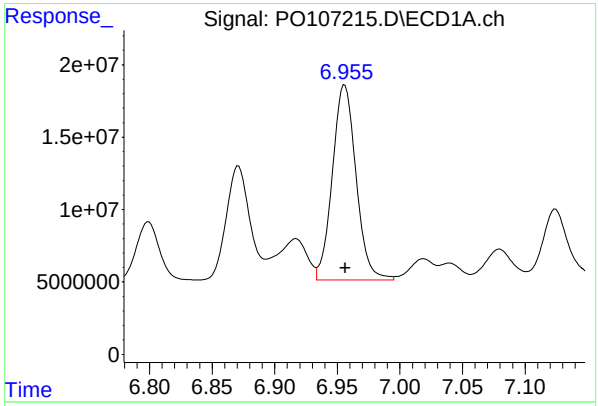
#27 AR-1254-2

R.T.: 6.592 min
Delta R.T.: 0.000 min
Response: 186598478
Conc: 494.42 ng/ml



#27 AR-1254-2

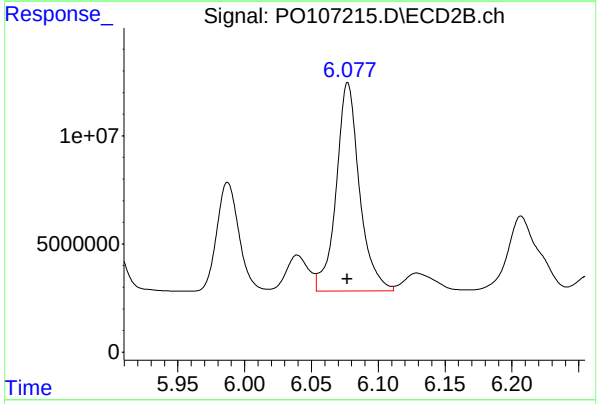
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 72524753
Conc: 500.30 ng/ml



#28 AR-1254-3

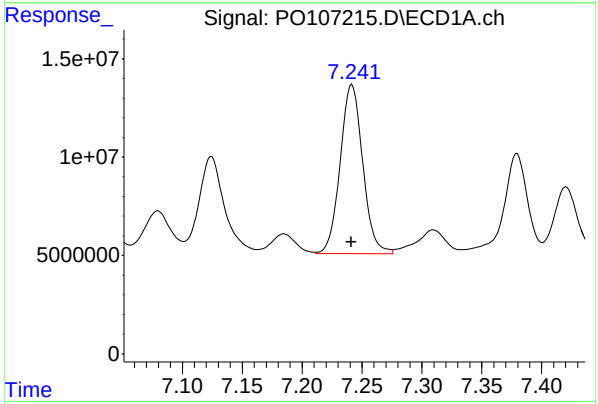
R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 177625713
Conc: 496.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



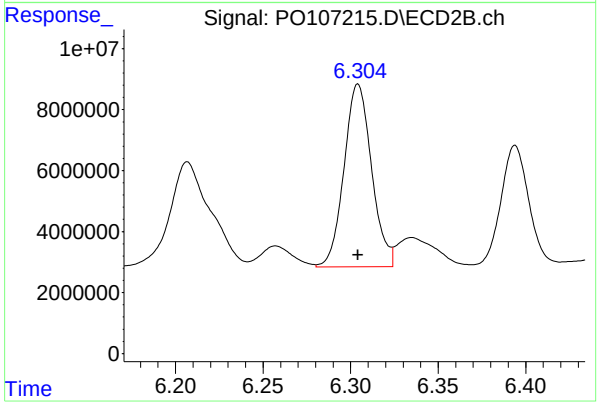
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 116649998
Conc: 508.01 ng/ml



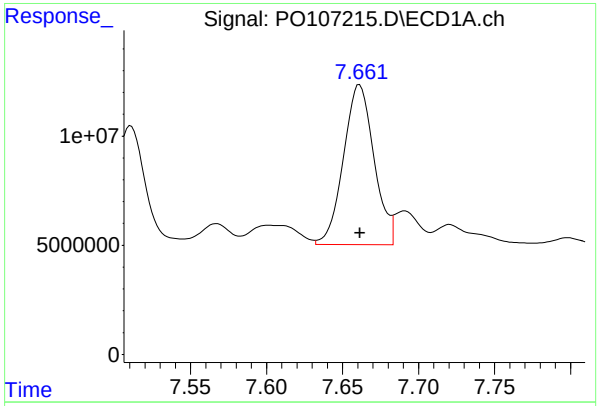
#29 AR-1254-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 112608571
Conc: 490.85 ng/ml



#29 AR-1254-4

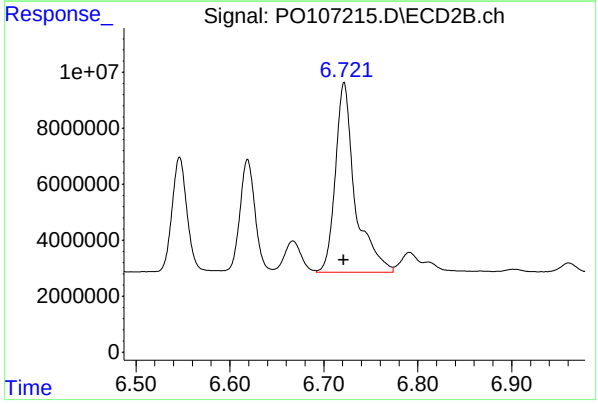
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 65655140
Conc: 507.29 ng/ml



#30 AR-1254-5

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 102531632
Conc: 493.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



#30 AR-1254-5

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 98535916
Conc: 515.75 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.372	3.644	461.5E6	169.8E6	49.559	49.696
2)	SA Decachlor...	10.057	8.638	214.2E6	240.5E6	50.485	49.870
	Target Compounds						
41)	L9 AR-1268-1	8.588	7.541	182.7E6	207.4E6	501.152	501.118
42)	L9 AR-1268-2	8.678	7.606	163.0E6	192.3E6	501.726	501.439
43)	L9 AR-1268-3	8.907	7.812	141.7E6	170.9E6	501.280	503.353
44)	L9 AR-1268-4	9.313	8.096	57558867	64279608	501.757	505.004
45)	L9 AR-1268-5	9.721	8.385	423.5E6	510.6E6	499.926	501.994

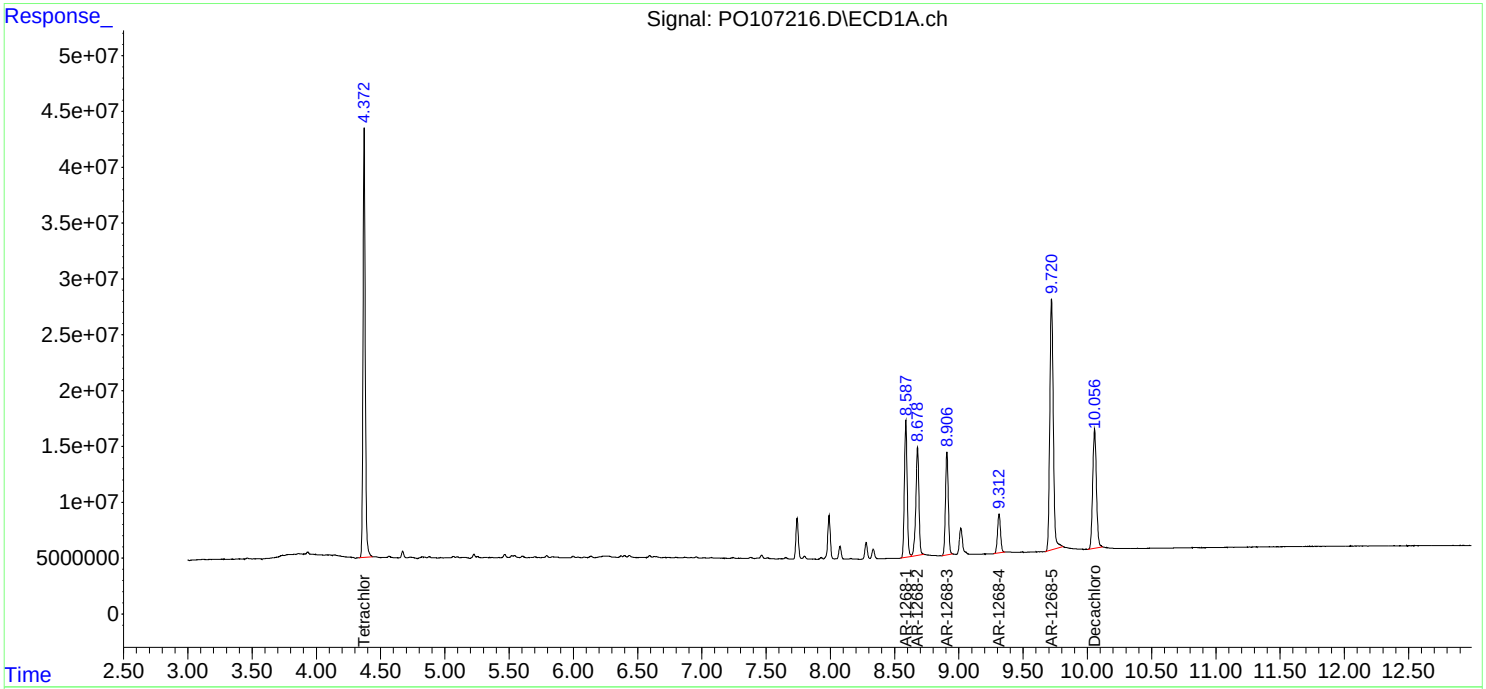
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

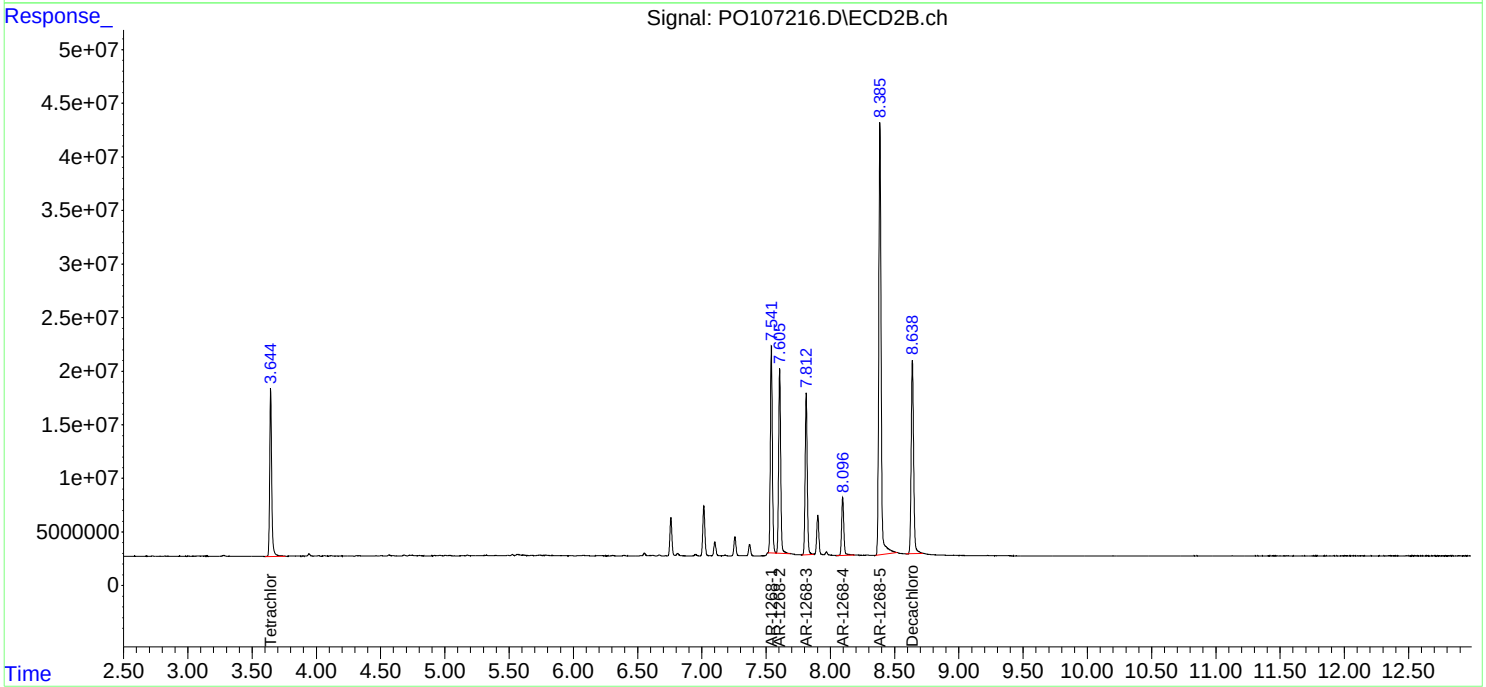
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

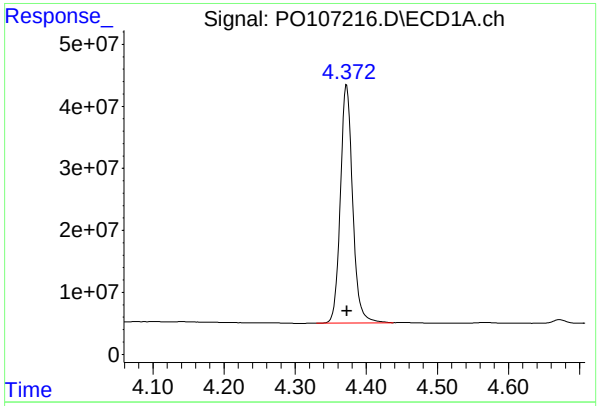
Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



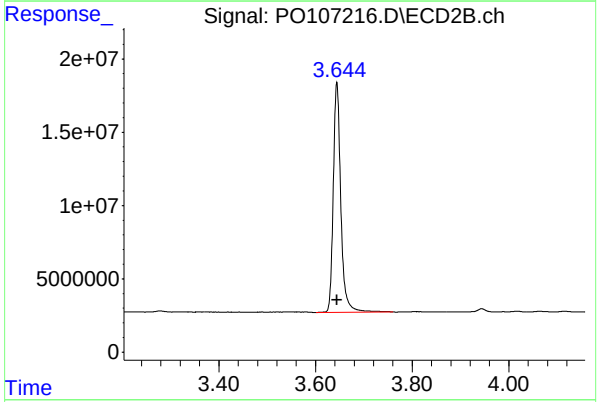




#1 Tetrachloro-m-xylene

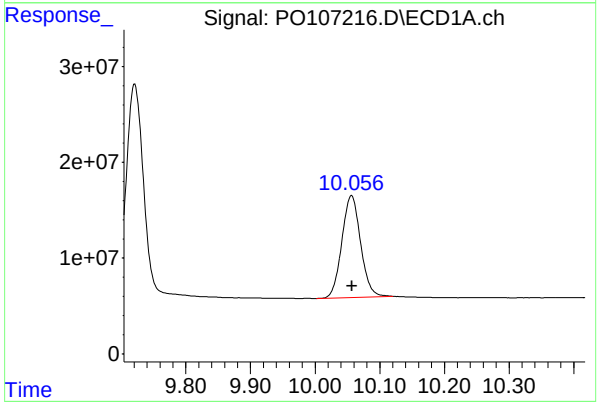
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 461469891
Conc: 49.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



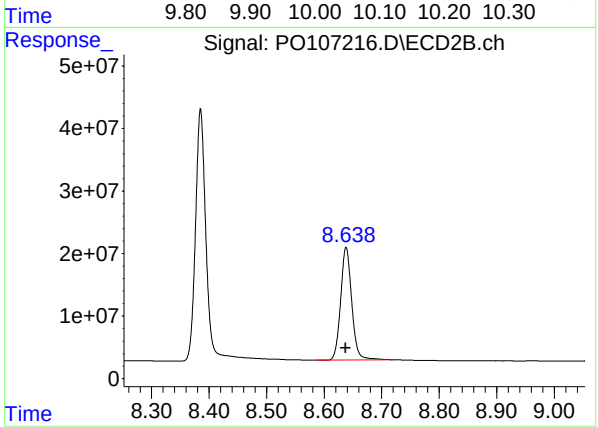
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169767960
Conc: 49.70 ng/ml



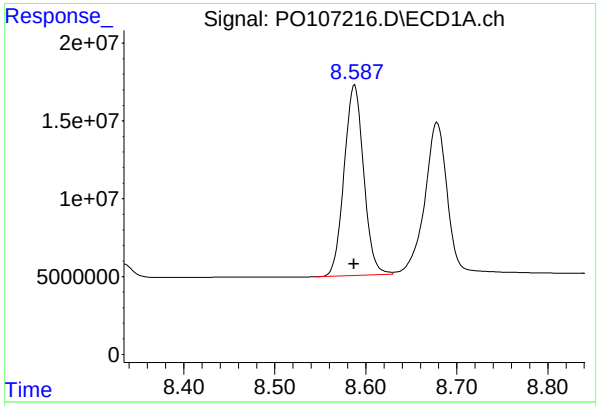
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 214156109
Conc: 50.49 ng/ml



#2 Decachlorobiphenyl

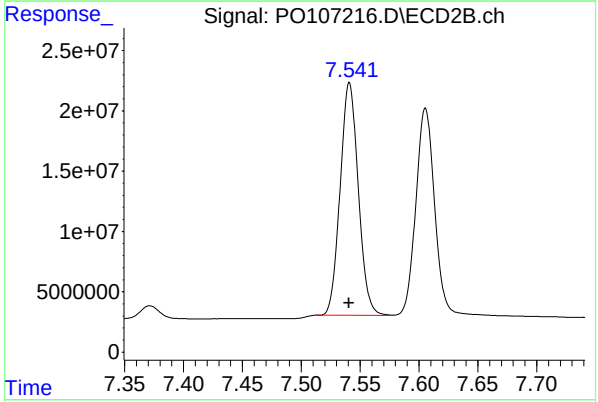
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 240548821
Conc: 49.87 ng/ml



#41 AR-1268-1

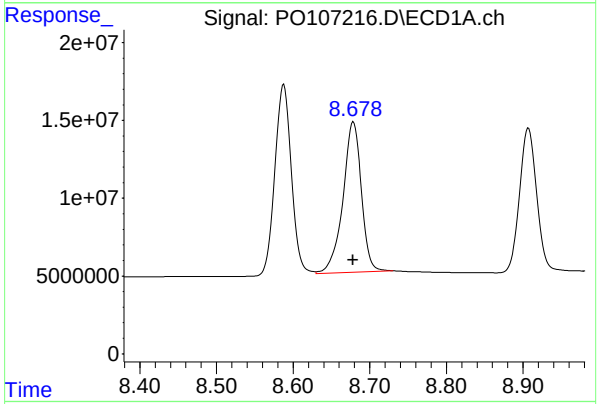
R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 182731516
Conc: 501.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



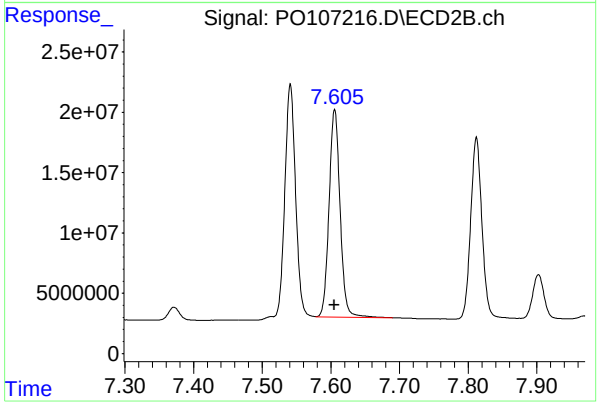
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 207394627
Conc: 501.12 ng/ml



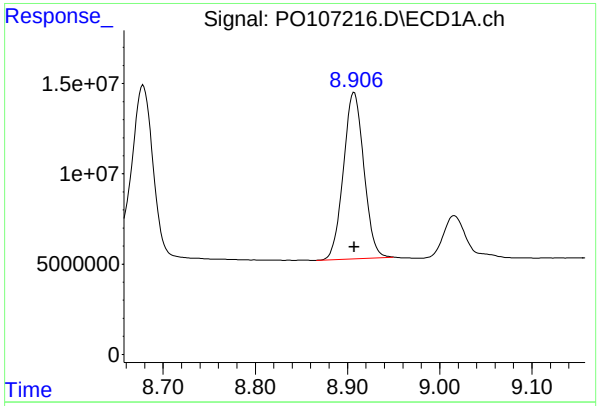
#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 162992089
Conc: 501.73 ng/ml



#42 AR-1268-2

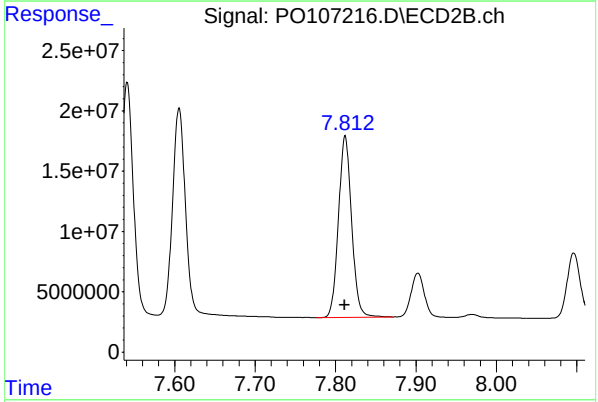
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 192310933
Conc: 501.44 ng/ml



#43 AR-1268-3

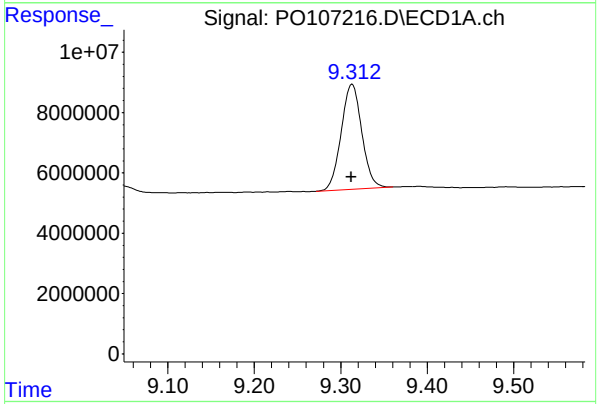
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 141671687
Conc: 501.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



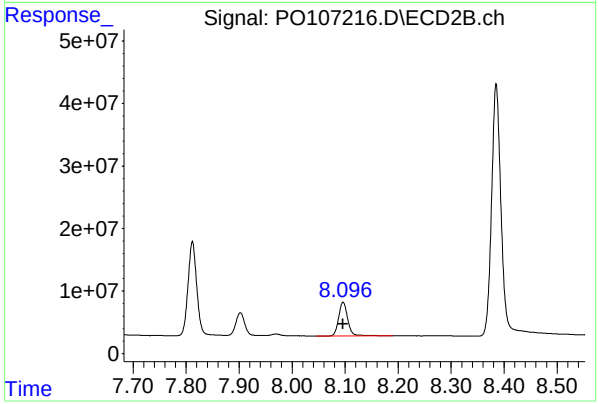
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 170906328
Conc: 503.35 ng/ml



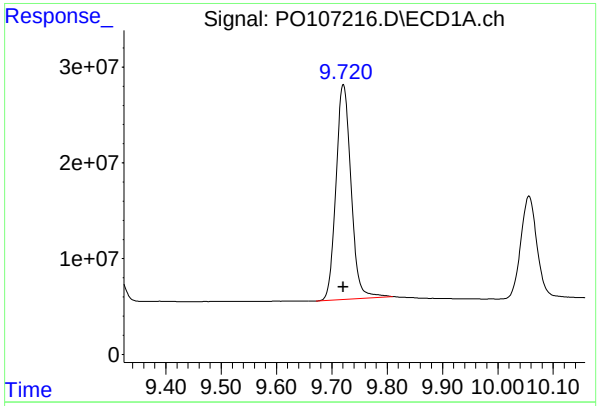
#44 AR-1268-4

R.T.: 9.313 min
Delta R.T.: 0.000 min
Response: 57558867
Conc: 501.76 ng/ml



#44 AR-1268-4

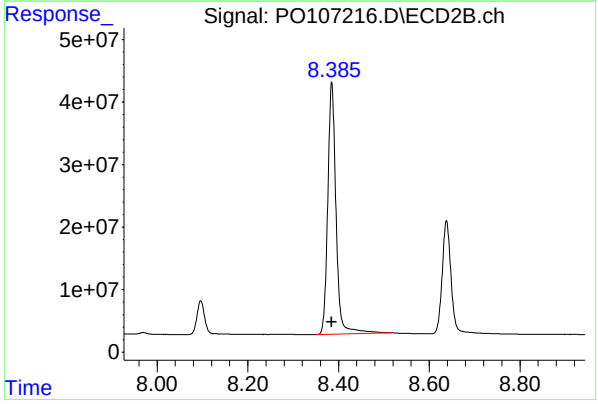
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 64279608
Conc: 505.00 ng/ml



#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 423468972
Conc: 499.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 510568070
Conc: 501.99 ng/ml

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-3	(3)	6.00	6.00	6.01	6.00	6.01	6.00	5.90	6.10
Aroclor-1016-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1016-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.77	7.77	7.78	7.77	7.77	7.77	7.67	7.87
Aroclor-1260-3	(3)	8.13	8.14	8.14	8.14	8.14	8.14	8.04	8.24
Aroclor-1260-4	(4)	8.37	8.37	8.38	8.37	8.37	8.37	8.27	8.47
Aroclor-1260-5	(5)	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.76	4.75	4.76	4.75	4.65	4.85
Aroclor-1242-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1242-3	(3)	6.01	6.01	6.00	6.01	6.01	6.01	5.91	6.11
Aroclor-1242-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.75	4.76	4.75	4.75	4.65	4.85
Aroclor-1248-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1254-1	(1)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1254-2	(2)	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.36	7.36	7.35	7.36	7.36	7.36	7.26	7.46
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1268-1	(1)	9.05	9.04	9.04	9.04	9.04	9.04	8.94	9.14
Aroclor-1268-2	(2)	9.15	9.14	9.14	9.14	9.14	9.14	9.04	9.24
Aroclor-1268-3	(3)	9.40	9.39	9.40	9.39	9.40	9.40	9.30	9.50
Aroclor-1268-4	(4)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
Aroclor-1268-5	(5)	10.30	10.29	10.29	10.29	10.29	10.29	10.19	10.39

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene	4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31263736	32233361	34196172	36221284	31418860	33066683	6
Aroclor-1016-2	(2)	45702590	47619661	49829602	53216480	47485960	48770859	6
Aroclor-1016-3	(3)	29655293	30980703	32521866	34545868	29856000	31511946	6
Aroclor-1016-4	(4)	24305642	24965132	26130902	27480568	25835960	25743641	5
Aroclor-1016-5	(5)	25253642	26507995	28106138	29556500	25910240	27066903	6
Aroclor-1260-1	(1)	48881600	51062627	53497292	60189956	56487000	54023695	8
Aroclor-1260-2	(2)	57303356	59473712	62743556	68896016	67937280	63270784	8
Aroclor-1260-3	(3)	47767972	49860571	52672962	57075820	51866880	51848841	7
Aroclor-1260-4	(4)	55679811	58146343	61152700	66302976	59690240	60194414	7
Aroclor-1260-5	(5)	101142428	103711039	108382514	116162164	109162380	107712105	5
Decachlorobiphenyl		1047572970	1092521333	1163088620	1272493760	1180845600	1151304457	8
Tetrachloro-m-xylene		918389550	937648760	969374660	977965440	824831600	925642002	7
Aroclor-1242-1	(1)	26136486	27020177	28880182	30131840	27517000	27937137	6
Aroclor-1242-2	(2)	37560737	39520053	41823206	43424048	40845460	40634701	5
Aroclor-1242-3	(3)	24775066	25964975	27626992	28013716	28443000	26964750	6
Aroclor-1242-4	(4)	19919938	20877219	22020082	22198916	22236220	21450475	5
Aroclor-1242-5	(5)	22664411	23310707	24494326	25449828	24710200	24125894	5
Decachlorobiphenyl		1049846500	1096431853	1183590260	1273416280	1210794800	1162815939	8
Tetrachloro-m-xylene		918045770	945319107	991838280	988565840	844744200	937702639	6
Aroclor-1248-1	(1)	19592099	21187299	21900336	23649416	20785280	21422886	7
Aroclor-1248-2	(2)	29912773	32262593	34275072	36926580	34706360	33616676	8
Aroclor-1248-3	(3)	33038688	35344895	37623064	40558304	36562360	36625462	8
Aroclor-1248-4	(4)	36925252	39416441	41800322	44728924	39382640	40450716	7
Aroclor-1248-5	(5)	36740691	38953265	40984016	43781648	37845340	39660992	7
Decachlorobiphenyl		1055450820	1109667187	1169649200	1282118000	1302489400	1183874921	9
Tetrachloro-m-xylene		902146960	926581653	953867240	992359080	895156800	934022347	4
Aroclor-1254-1	(1)	40350769	42082559	45284156	48868552	47326420	44782491	8
Aroclor-1254-2	(2)	59814731	62129524	65787698	71625140	71131660	66097751	8
Aroclor-1254-3	(3)	64043672	65831181	69388346	74782692	73217700	69452718	7
Aroclor-1254-4	(4)	45989306	47460167	50157578	54420004	51495700	49904551	7
Aroclor-1254-5	(5)	54192853	57072867	59852552	64108404	61236860	59292707	6
Decachlorobiphenyl		1068499200	1106116080	1182150460	1298012320	1262855400	1183526692	8
Tetrachloro-m-xylene		931363580	935898013	956149560	989159640	878805200	938275199	4
Aroclor-1268-1	(1)	139515419	144470283	150997662	162718796	165540620	152648556	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	125679796	130088461	136577130	145743784	144888120	136595458	6
Aroclor-1268-3	(3)	110668977	116741077	119635012	130534268	127010440	120917955	7
Aroclor-1268-4	(4)	48063749	49890017	52720184	55641072	47784700	50819944	7
Aroclor-1268-5	(5)	348373365	356693093	372169718	389623012	400486540	373469146	6
Decachlorobiphenyl		1758376420	1827520213	1952930880	2093924120	2163079000	1959166127	9
Tetrachloro-m-xylene		908125750	922962547	955684560	986676760	888810200	932451963	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	32214100	33511487	34894776	37855020	36460880	34987253	6
Aroclor-1016-2	(2)	45072170	46943971	48711842	52177748	47937020	48168550	5
Aroclor-1016-3	(3)	25675074	27277663	27567444	28514452	25652840	26937495	5
Aroclor-1016-4	(4)	22207756	23688287	24482426	25758704	24288360	24085107	5
Aroclor-1016-5	(5)	28303958	30184395	30998408	32062244	30500300	30409861	5
Aroclor-1260-1	(1)	51490839	53867885	56846930	62693500	59910740	56961979	8
Aroclor-1260-2	(2)	60685581	63183867	66653346	73175968	69823160	66704384	8
Aroclor-1260-3	(3)	58195863	60818087	64471984	69084640	65935040	63701123	7
Aroclor-1260-4	(4)	51141777	52463477	55669740	60213672	56975040	55292741	7
Aroclor-1260-5	(5)	115751172	117431688	122205526	128041940	128062520	122298569	5
Decachlorobiphenyl		1016699470	1064912133	1114817860	1215156720	1195705800	1121458397	8
Tetrachloro-m-xylene		976302160	1002778080	1038188640	1086259240	948485600	1010402744	5
Aroclor-1242-1	(1)	26643227	27902807	30082486	31864192	28889440	29076430	7
Aroclor-1242-2	(2)	37173910	38324184	40855302	43058560	41326680	40147727	6
Aroclor-1242-3	(3)	21209836	21846417	23389330	23608008	22421520	22495022	5
Aroclor-1242-4	(4)	21894421	22781385	24633780	25302636	24076280	23737700	6
Aroclor-1242-5	(5)	25904963	27452171	28860038	30792124	30238540	28649567	7
Decachlorobiphenyl		1030873660	1074484253	1144199140	1227463640	1208383800	1137080899	7
Tetrachloro-m-xylene		979317100	1008877893	1048426020	1079705600	995407400	1022346803	4
Aroclor-1248-1	(1)	20323070	21892911	22863994	24075660	24163260	22663779	7
Aroclor-1248-2	(2)	29599820	31598663	33173378	36121664	34985540	33095813	8
Aroclor-1248-3	(3)	31098926	33116664	34686272	37576628	35894680	34474634	7
Aroclor-1248-4	(4)	36529837	38774123	40329020	44225180	44921420	40955916	9
Aroclor-1248-5	(5)	34201195	35911461	37616042	40473884	39013140	37443144	7
Decachlorobiphenyl		1032353410	1073137907	1131465640	1215505400	1241215600	1138735591	8
Tetrachloro-m-xylene		952656120	994994613	1000591240	1068188360	991037600	1001493587	4
Aroclor-1254-1	(1)	53478224	54895953	58959138	64085456	64000720	59083898	8
Aroclor-1254-2	(2)	47135286	48672312	52146652	56922440	57444240	52464186	9
Aroclor-1254-3	(3)	76675976	78569371	83205416	89086976	88502520	83208052	7
Aroclor-1254-4	(4)	44235570	45939643	48363680	51938700	50893660	48274251	7
Aroclor-1254-5	(5)	68142947	70671431	73760414	78813244	76368180	73551243	6
Decachlorobiphenyl		1041164600	1082182560	1142537200	1244245720	1270180600	1156062136	9
Tetrachloro-m-xylene		969890570	991360533	1038975520	1064707400	994465600	1011879925	4
Aroclor-1268-1	(1)	146986557	151844596	158019168	168079912	170778780	159141803	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	133073925	137248829	142523422	151222024	151862520	143186144	6
Aroclor-1268-3	(3)	117364027	121504320	126517254	135757020	136405580	127509640	7
Aroclor-1268-4	(4)	51956547	53952379	54797154	61002600	60671520	56476040	7
Aroclor-1268-5	(5)	359344903	364434196	374618632	391618688	400161860	378035656	5
Decachlorobiphenyl		1755186720	1802467867	1889666160	2047579480	2153015200	1929583085	9
Tetrachloro-m-xylene		970169850	991215560	1007059780	1064676080	979052800	1002434814	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.96	4.86	5.06	12809900
		2	5.04	4.94	5.14	9460580
		3	5.12	5.02	5.22	28907800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	22859800
		2	5.65	5.55	5.75	11783000
		3	5.94	5.84	6.04	22275000
		4	6.10	6.00	6.20	11287400
		5	6.19	6.09	6.29	9120180
Aroclor-1262	500	1	8.37	8.27	8.47	71771400
		2	8.71	8.61	8.81	121580000
		3	9.05	8.95	9.15	88514200
		4	9.14	9.04	9.24	69944800
		5	9.84	9.74	9.94	46791200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.27	4.17	4.37	13170200
		2	4.36	4.26	4.46	9961240
		3	4.43	4.33	4.53	31131200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	24333000
		2	5.18	5.08	5.28	22365000
		3	5.36	5.26	5.46	11943800
		4	5.45	5.35	5.55	11531400
		5	5.62	5.52	5.72	13450300
Aroclor-1262	500	1	7.22	7.12	7.32	78673400
		2	7.48	7.38	7.58	70962000
		3	8.01	7.91	8.11	57099400
		4	8.07	7.97	8.17	100436000
		5	8.60	8.50	8.70	50017800

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	91838955	97630216	97.299	96.928
2)	SA Decachlor...	10.665	9.219	104.8E6	101.7E6	94.775	95.397
	Target Compounds						
3)	L1 AR-1016-1	5.918	5.161	31263736	32214100	955.203	960.055
4)	L1 AR-1016-2	5.941	5.181	45702590	45072170	956.800	961.191
5)	L1 AR-1016-3	6.004	5.362	29655293	25675074	953.897	964.458
6)	L1 AR-1016-4	6.102	5.401	24305642	22207756	963.811	951.282
7)	L1 AR-1016-5	6.397	5.620	25253642	28303958	946.542	954.564
31)	L7 AR-1260-1	7.520	6.664	48881600	51490839	954.916	950.561
32)	L7 AR-1260-2	7.773	6.851	57303356	60685581	954.683	953.135
33)	L7 AR-1260-3	8.134	7.009	47767972	58195863	951.165	948.836
34)	L7 AR-1260-4	8.373	7.484	55679811	51141777	953.156	957.608
35)	L7 AR-1260-5	8.709	7.722	101.1E6	115.8E6	965.445	972.876

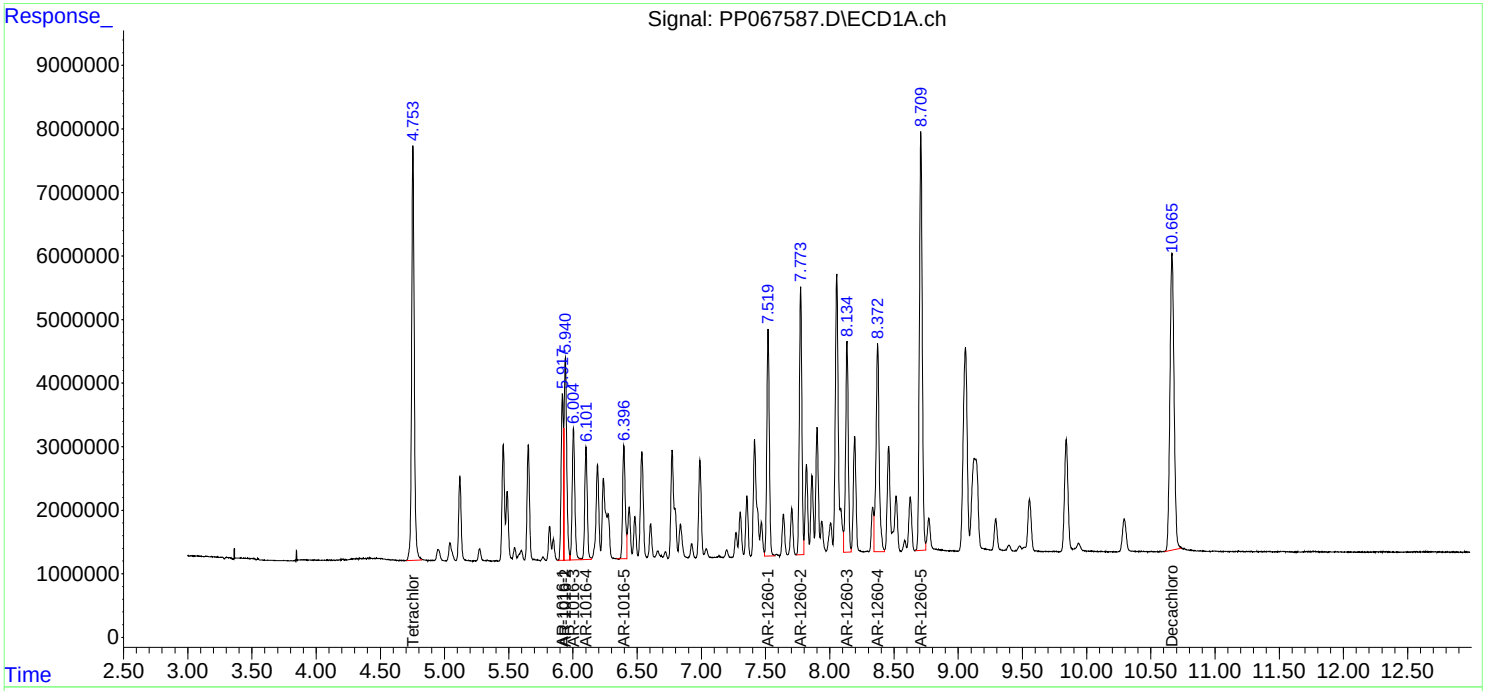
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

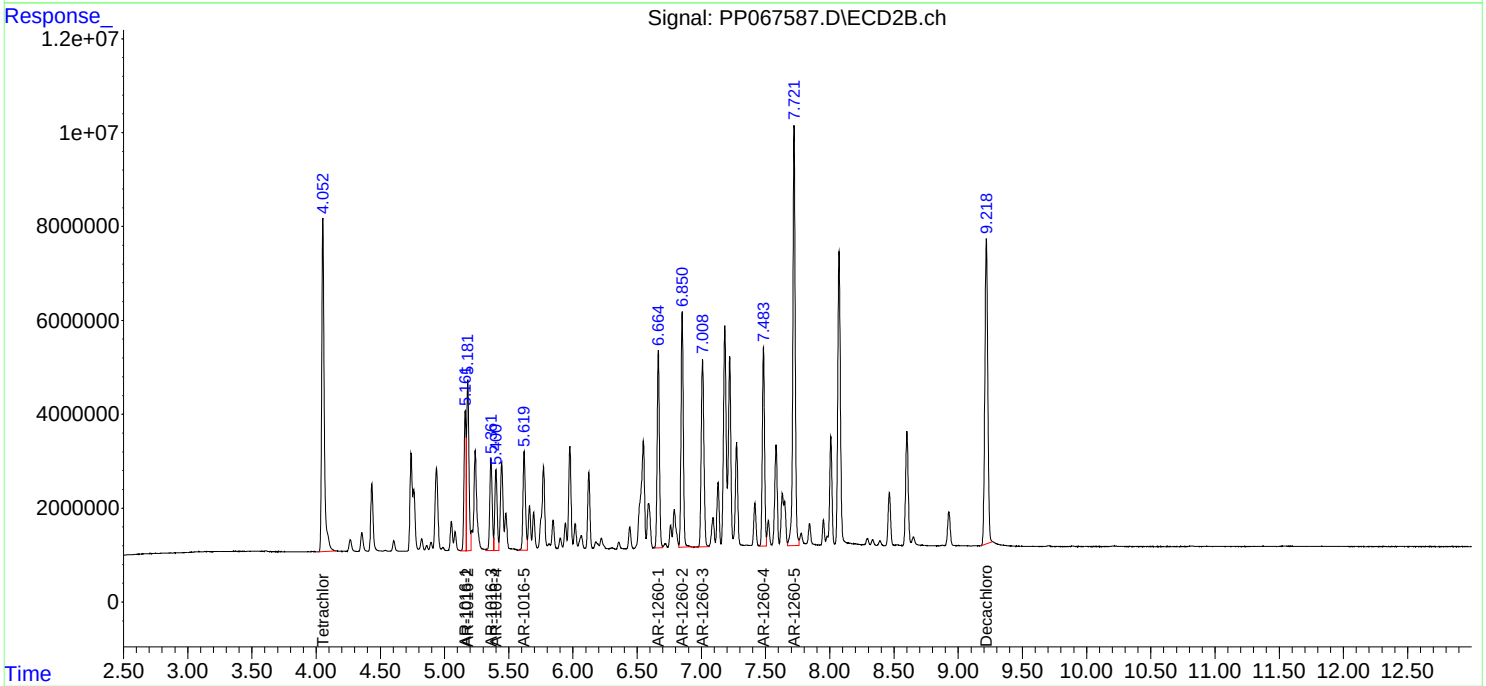
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

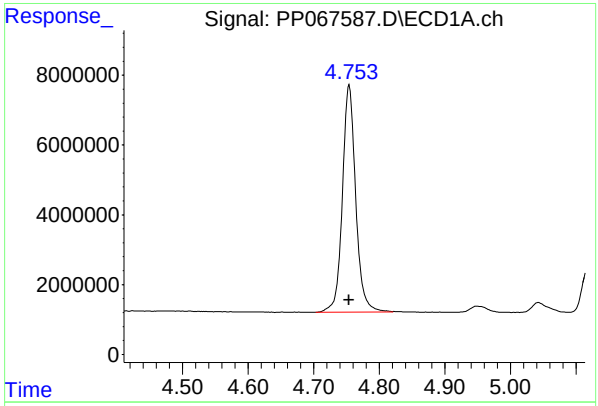
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



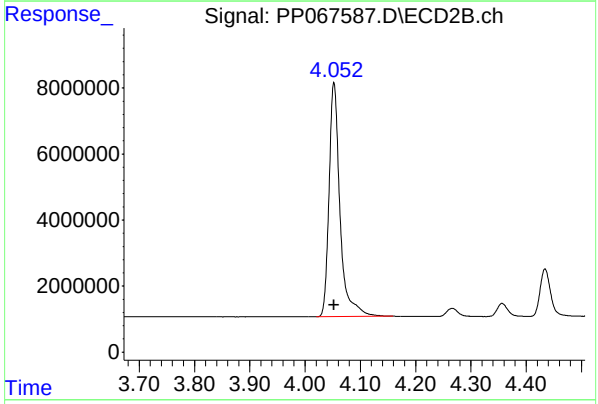




#1 Tetrachloro-m-xylene

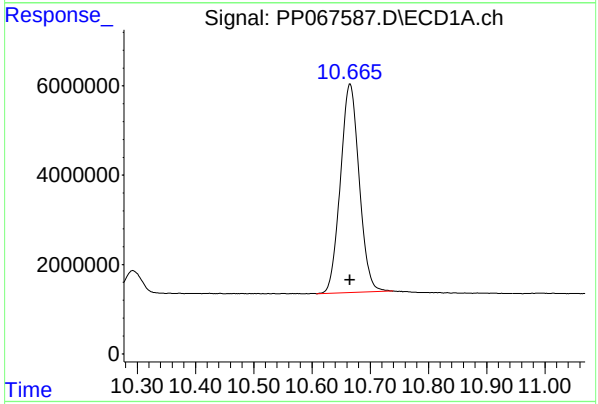
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 91838955
Conc: 97.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



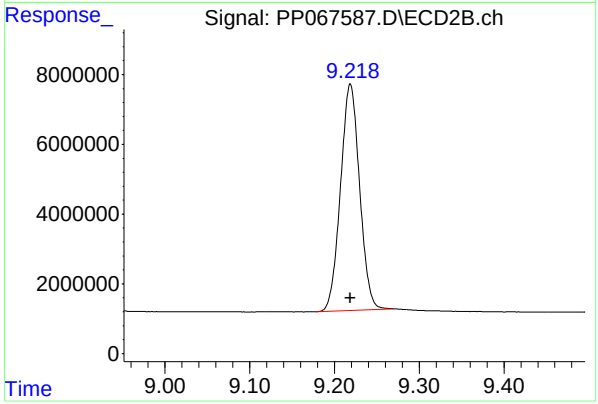
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 97630216
Conc: 96.93 ng/ml



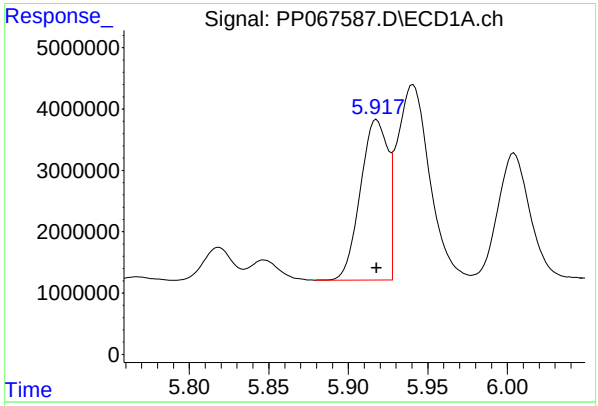
#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 104757297
Conc: 94.77 ng/ml



#2 Decachlorobiphenyl

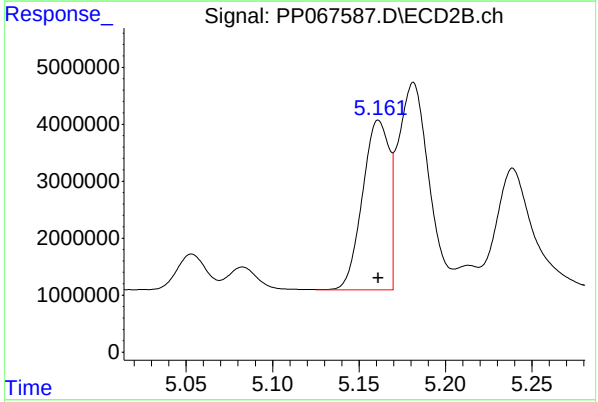
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 101669947
Conc: 95.40 ng/ml



#3 AR-1016-1

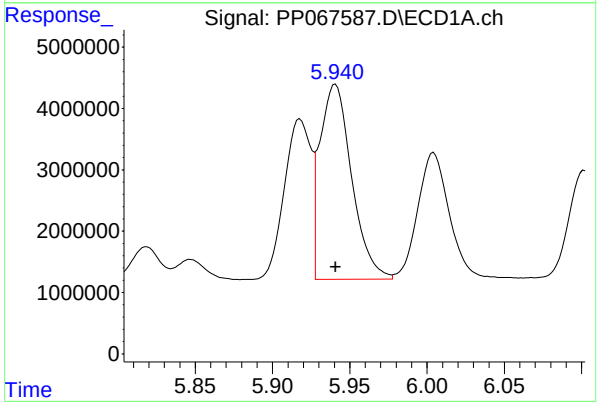
R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 31263736
Conc: 955.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



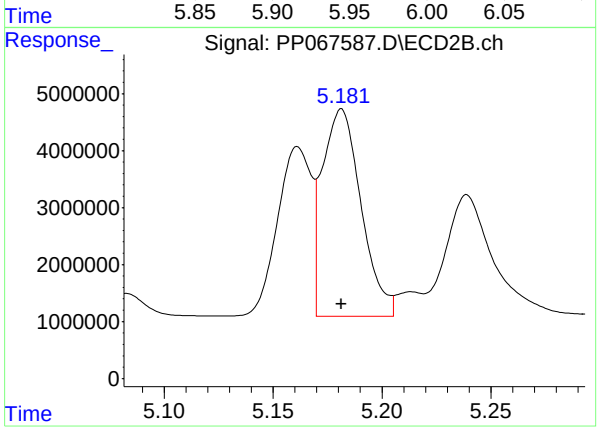
#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 32214100
Conc: 960.05 ng/ml



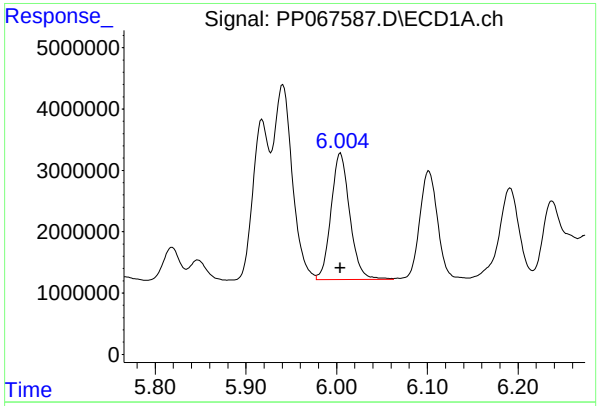
#4 AR-1016-2

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 45702590
Conc: 956.80 ng/ml



#4 AR-1016-2

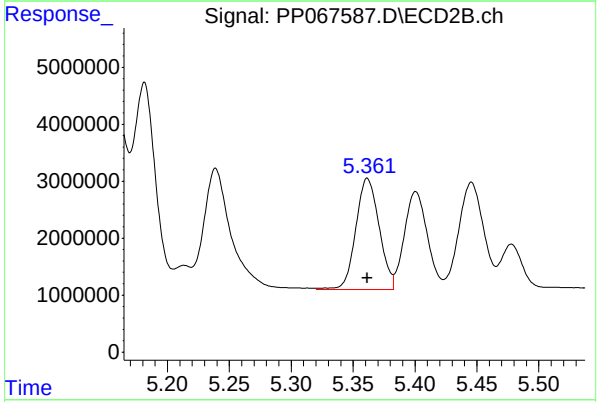
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 45072170
Conc: 961.19 ng/ml



#5 AR-1016-3

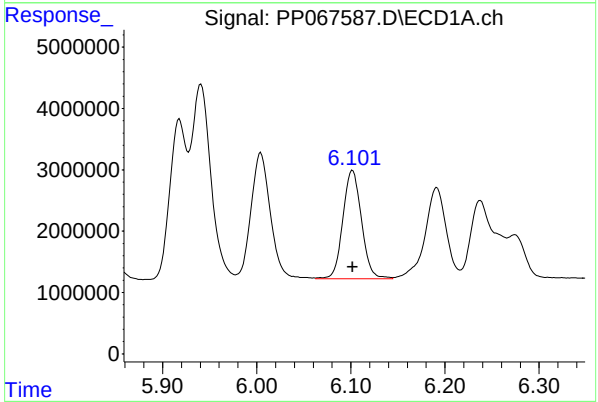
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 29655293
Conc: 953.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



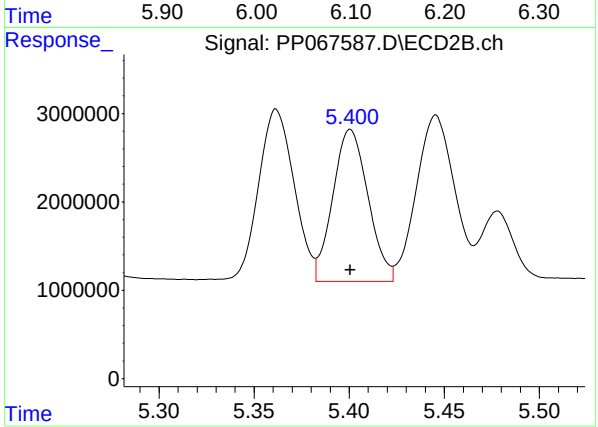
#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 25675074
Conc: 964.46 ng/ml



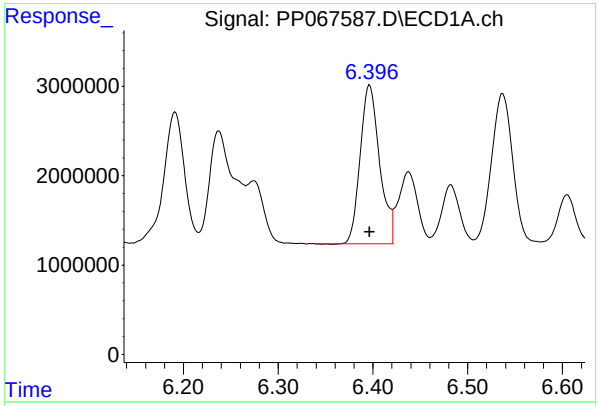
#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 24305642
Conc: 963.81 ng/ml



#6 AR-1016-4

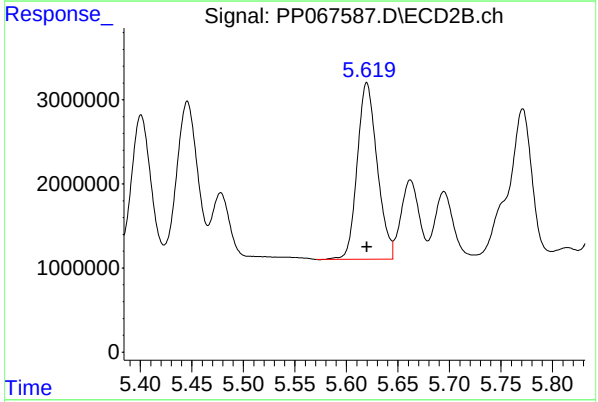
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 22207756
Conc: 951.28 ng/ml



#7 AR-1016-5

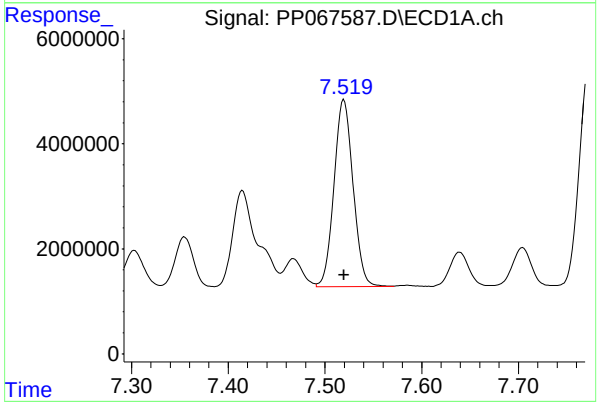
R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 25253642
Conc: 946.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



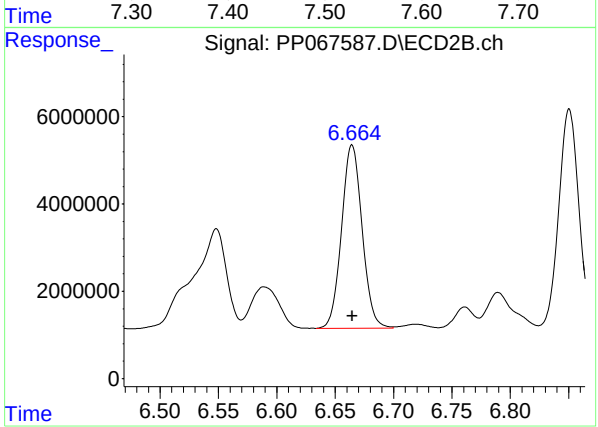
#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 28303958
Conc: 954.56 ng/ml



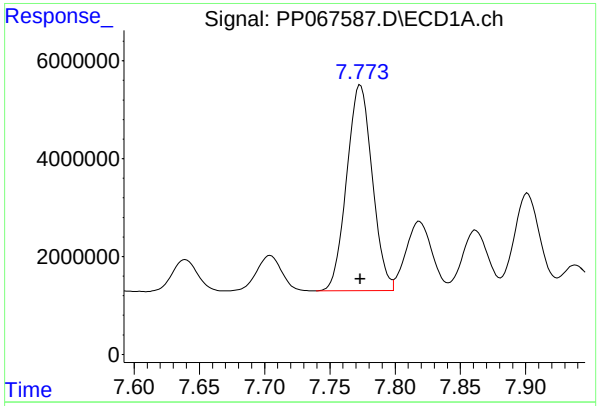
#31 AR-1260-1

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 48881600
Conc: 954.92 ng/ml



#31 AR-1260-1

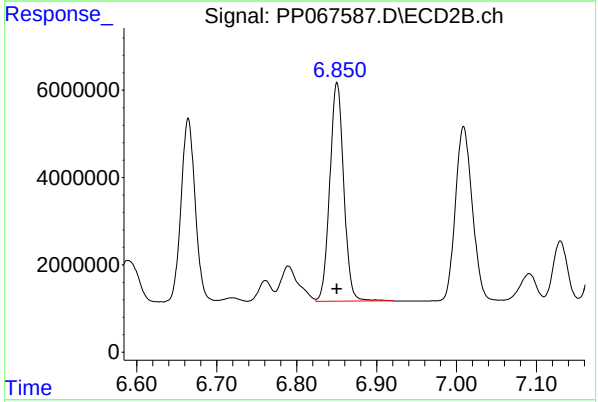
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 51490839
Conc: 950.56 ng/ml



#32 AR-1260-2

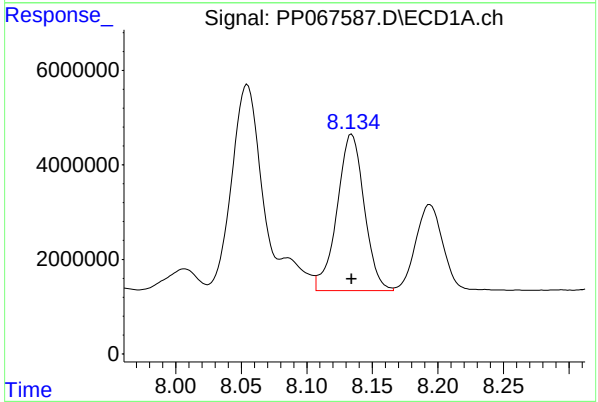
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 57303356
Conc: 954.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



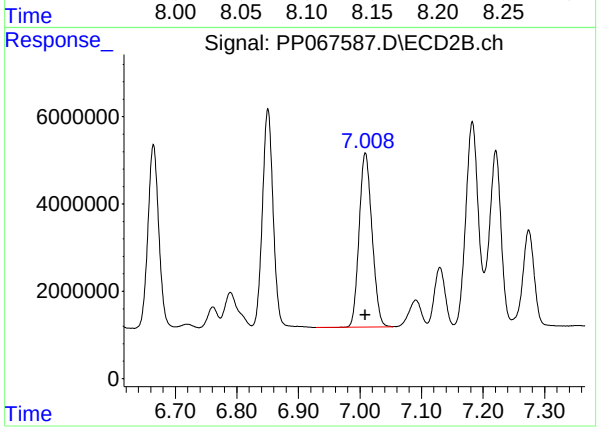
#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 60685581
Conc: 953.13 ng/ml



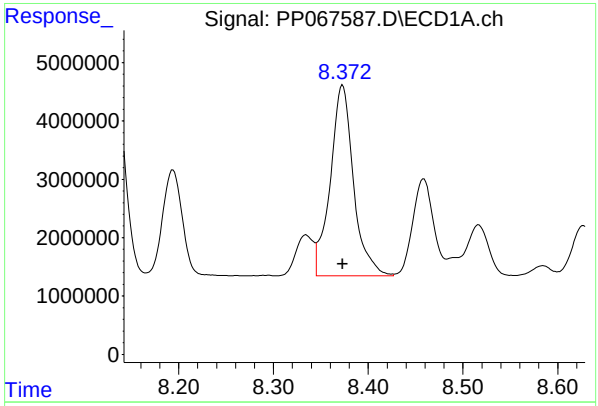
#33 AR-1260-3

R.T.: 8.134 min
Delta R.T.: 0.000 min
Response: 47767972
Conc: 951.17 ng/ml



#33 AR-1260-3

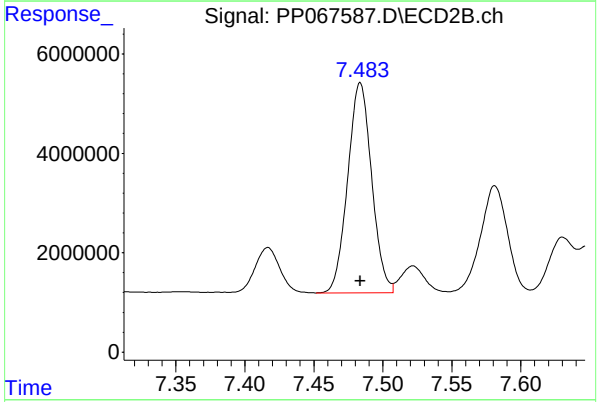
R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 58195863
Conc: 948.84 ng/ml



#34 AR-1260-4

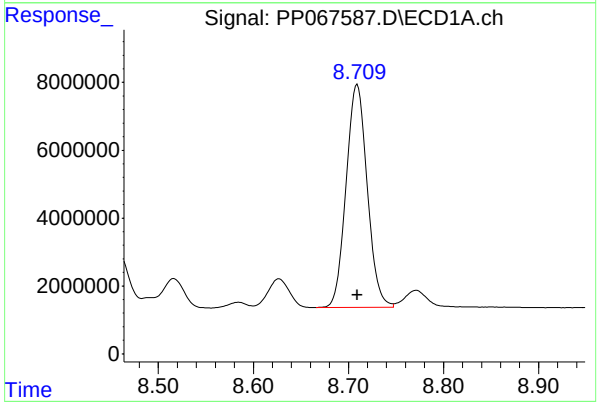
R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 55679811
Conc: 953.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



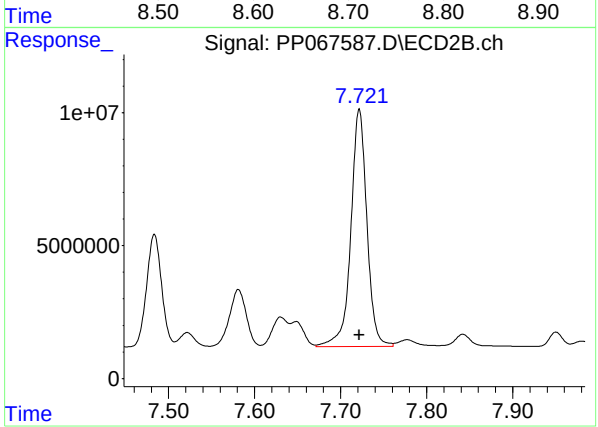
#34 AR-1260-4

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 51141777
Conc: 957.61 ng/ml



#35 AR-1260-5

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 101142428
Conc: 965.45 ng/ml



#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 115751172
Conc: 972.88 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	70323657	75208356	74.669	74.778
2)	SA Decachlor...	10.667	9.219	81939100	79868410	74.418	74.960
	Target Compounds						
3)	L1 AR-1016-1	5.918	5.160	24175021	25133615	742.375	749.360
4)	L1 AR-1016-2	5.940	5.181	35714746	35207978	748.466	750.554
5)	L1 AR-1016-3	6.004	5.362	23235527	20458247	748.263	762.228
6)	L1 AR-1016-4	6.102	5.401	18723849	17766215	744.964	757.315
7)	L1 AR-1016-5	6.397	5.620	19880996	22638296	746.772	758.938
31)	L7 AR-1260-1	7.520	6.664	38296970	40400914	748.760	747.217
32)	L7 AR-1260-2	7.773	6.851	44605284	47387900	745.407	746.177
33)	L7 AR-1260-3	8.135	7.009	37395428	45613565	746.408	745.783
34)	L7 AR-1260-4	8.373	7.484	43609757	39347608	747.686	741.126
35)	L7 AR-1260-5	8.710	7.722	77783279	88073766	744.965	743.472

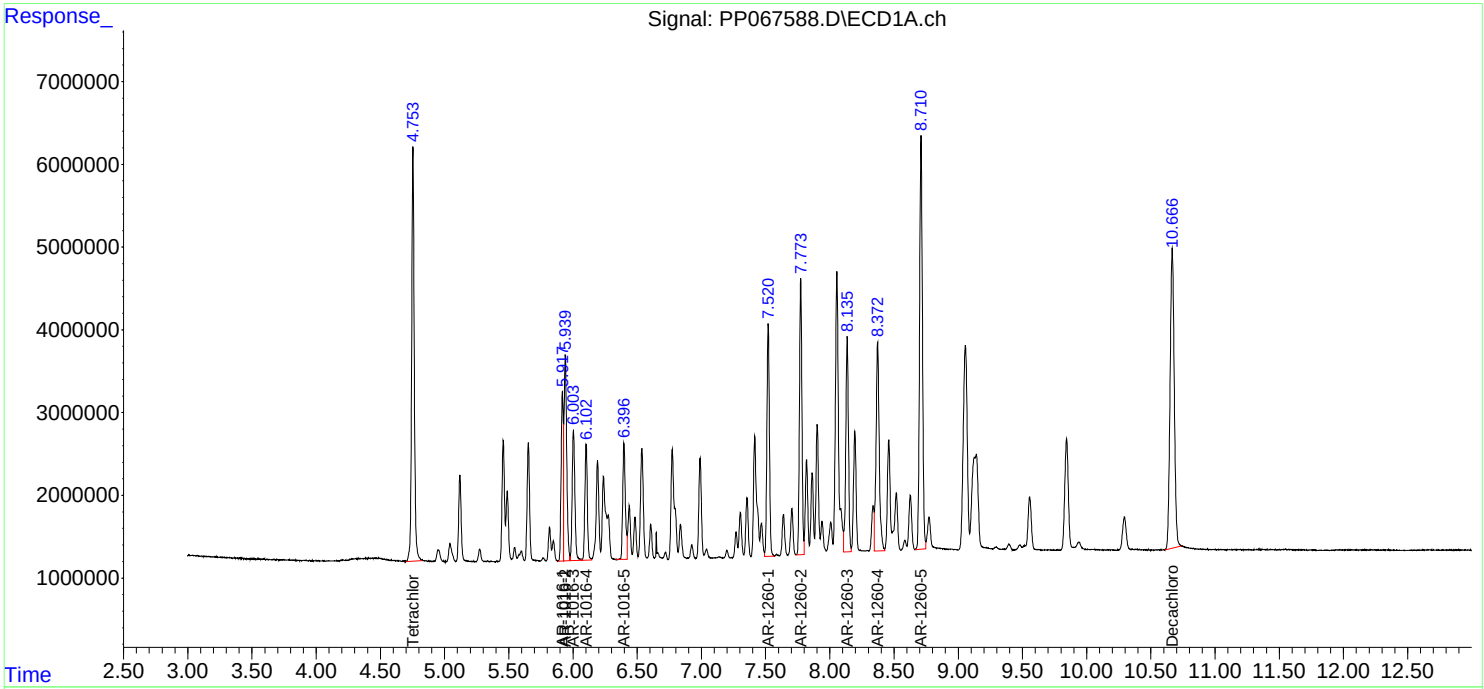
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

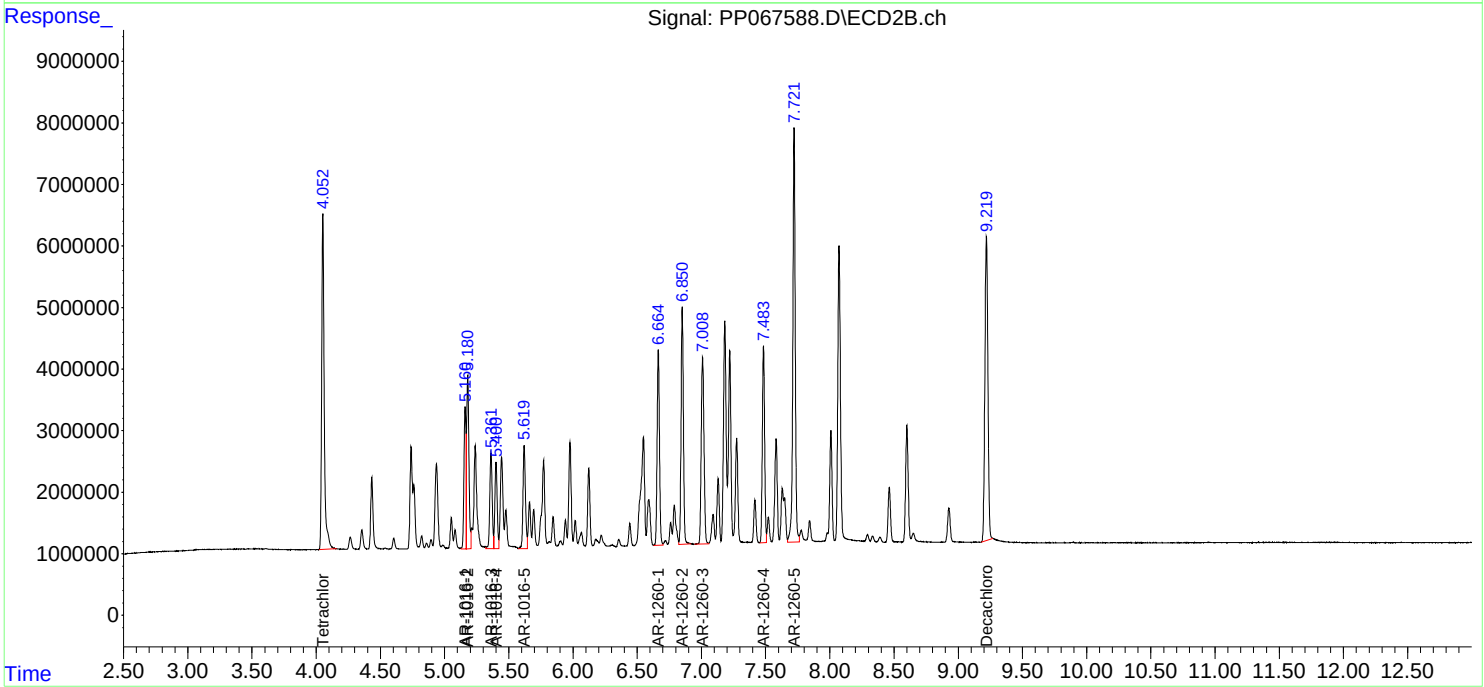
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

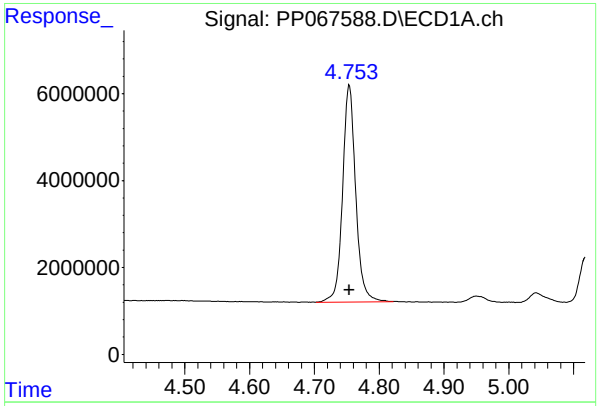
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



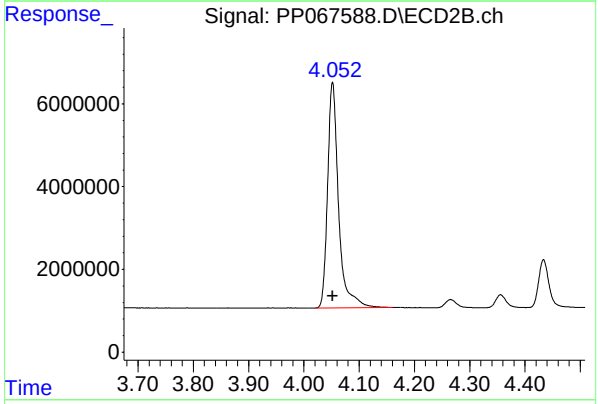




#1 Tetrachloro-m-xylene

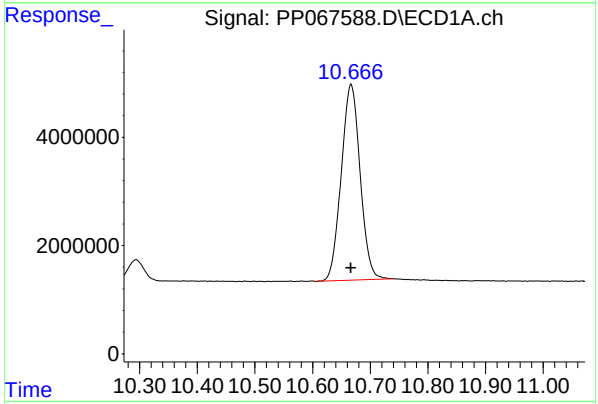
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 70323657
Conc: 74.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



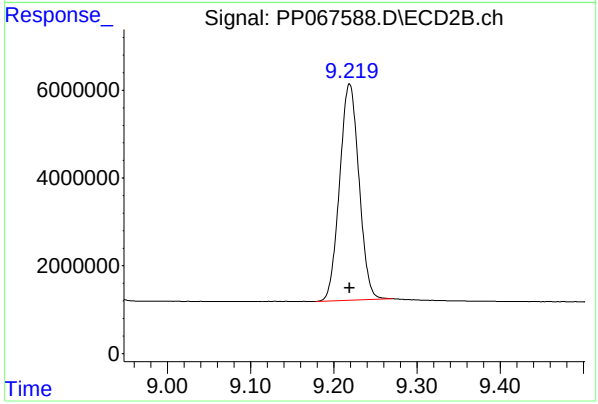
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 75208356
Conc: 74.78 ng/ml



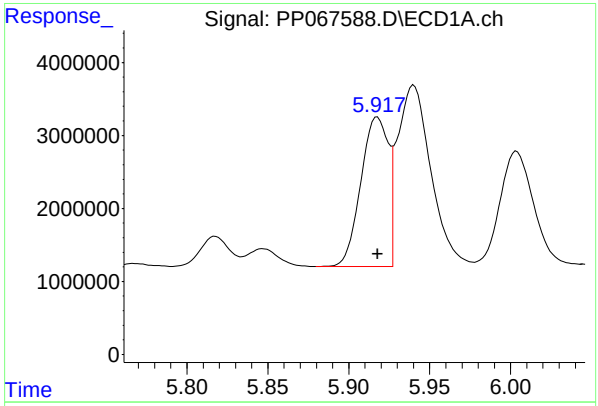
#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 81939100
Conc: 74.42 ng/ml



#2 Decachlorobiphenyl

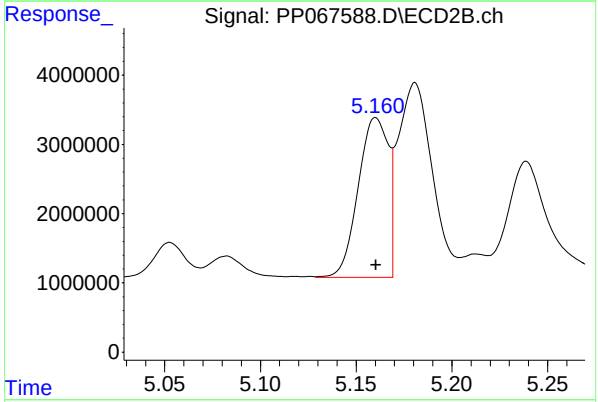
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 79868410
Conc: 74.96 ng/ml



#3 AR-1016-1

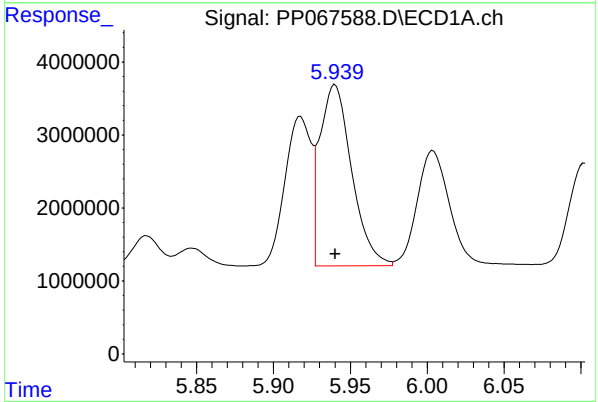
R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 24175021
Conc: 742.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



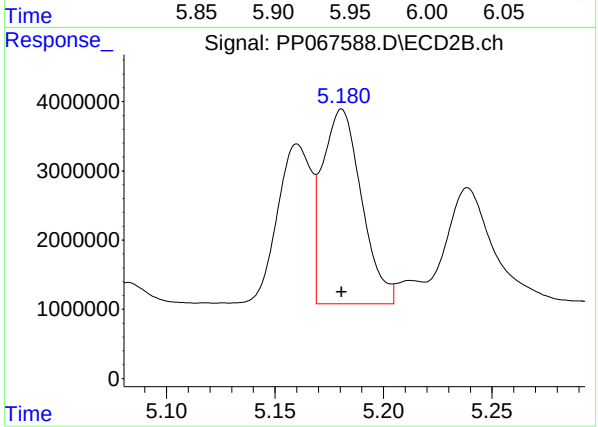
#3 AR-1016-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 25133615
Conc: 749.36 ng/ml



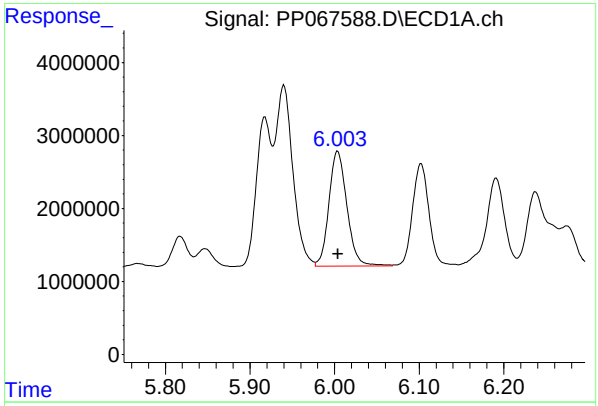
#4 AR-1016-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 35714746
Conc: 748.47 ng/ml



#4 AR-1016-2

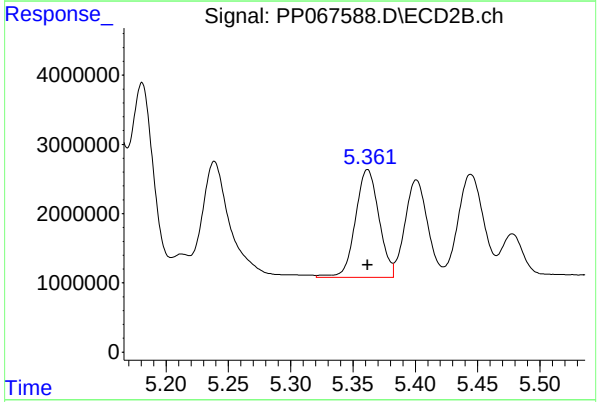
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 35207978
Conc: 750.55 ng/ml



#5 AR-1016-3

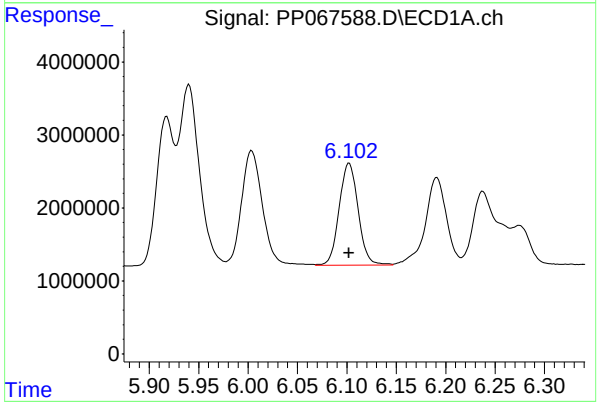
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 23235527
Conc: 748.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



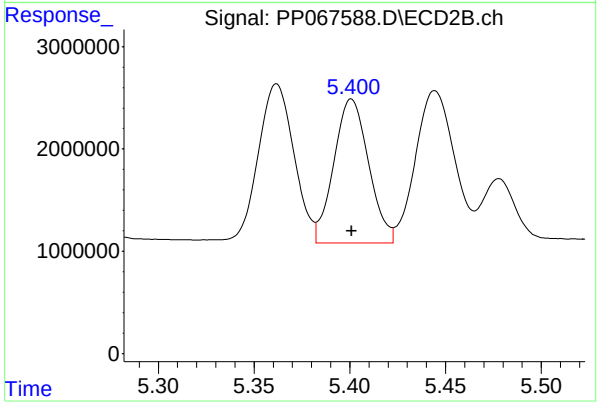
#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 20458247
Conc: 762.23 ng/ml



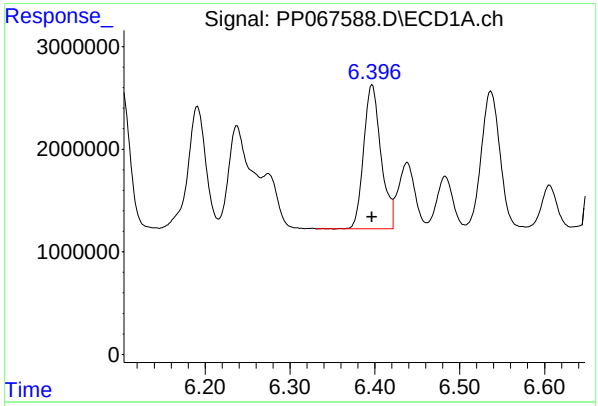
#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 18723849
Conc: 744.96 ng/ml



#6 AR-1016-4

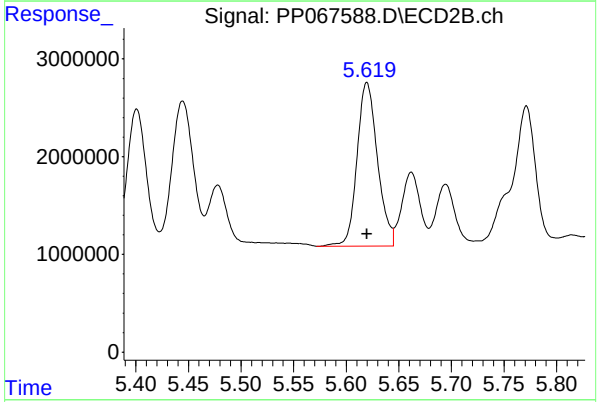
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 17766215
Conc: 757.31 ng/ml



#7 AR-1016-5

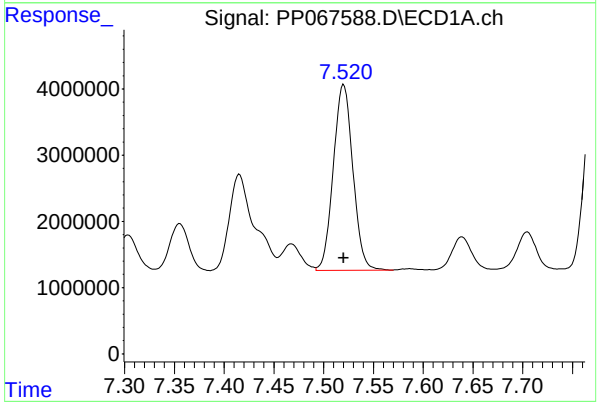
R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 19880996
Conc: 746.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



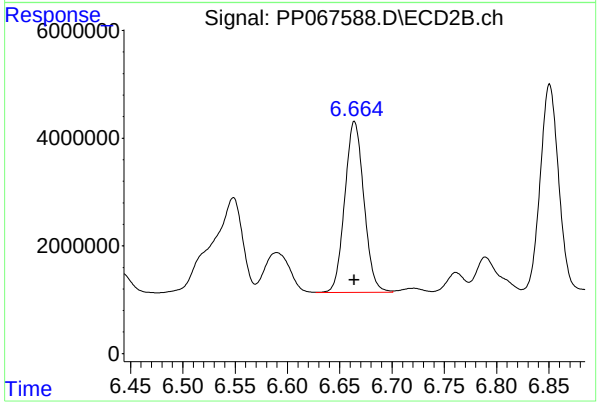
#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 22638296
Conc: 758.94 ng/ml



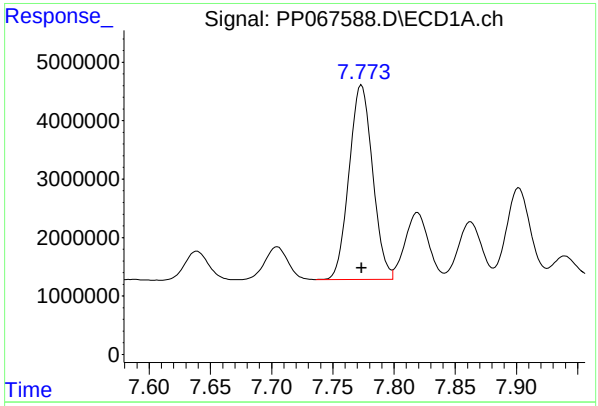
#31 AR-1260-1

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 38296970
Conc: 748.76 ng/ml



#31 AR-1260-1

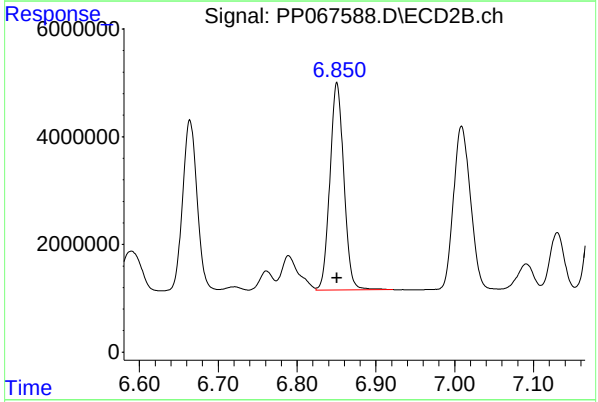
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 40400914
Conc: 747.22 ng/ml



#32 AR-1260-2

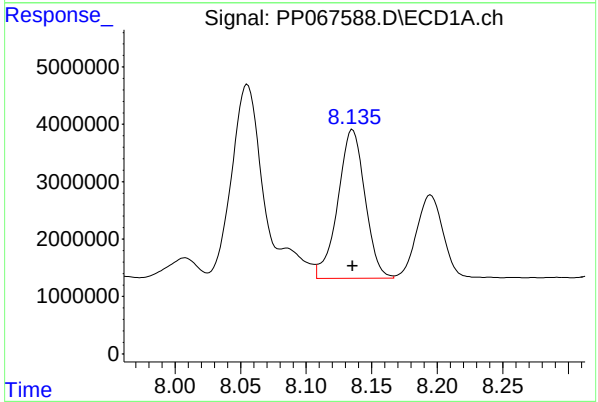
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 44605284
Conc: 745.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



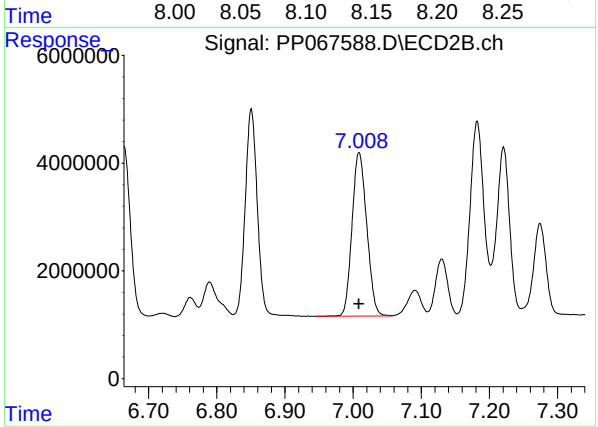
#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 47387900
Conc: 746.18 ng/ml



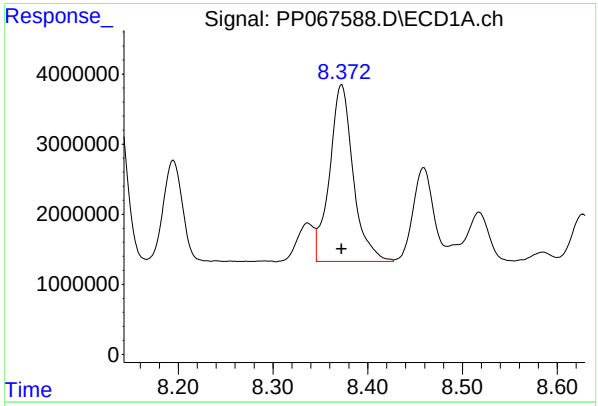
#33 AR-1260-3

R.T.: 8.135 min
Delta R.T.: 0.000 min
Response: 37395428
Conc: 746.41 ng/ml



#33 AR-1260-3

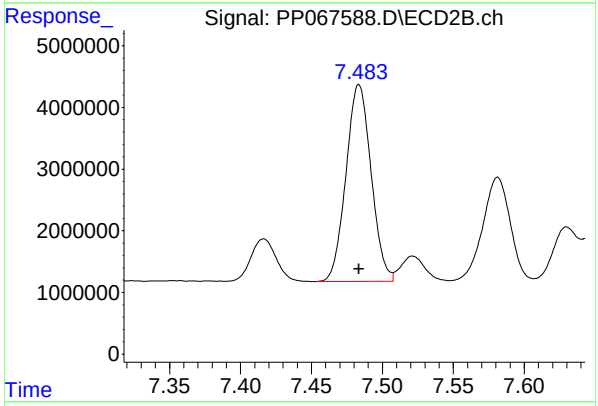
R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 45613565
Conc: 745.78 ng/ml



#34 AR-1260-4

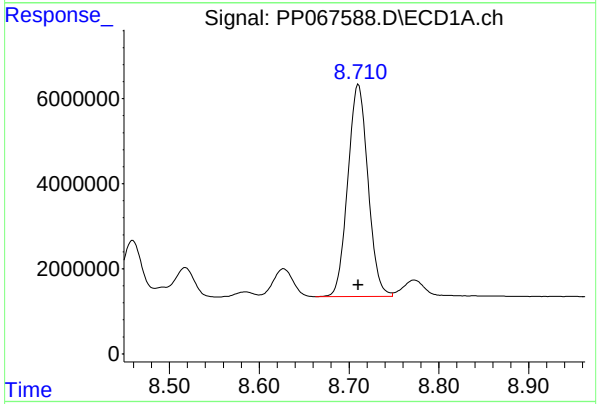
R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 43609757
Conc: 747.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



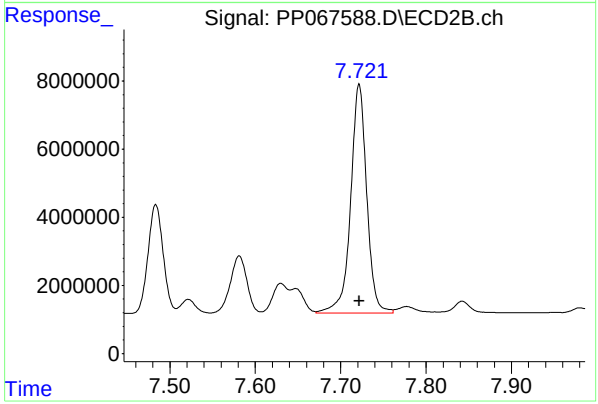
#34 AR-1260-4

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 39347608
Conc: 741.13 ng/ml



#35 AR-1260-5

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 77783279
Conc: 744.96 ng/ml



#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 88073766
Conc: 743.47 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.755	4.052	48468733	51909432	50.000	50.000
2)	SA Decachlor...	10.669	9.219	58154431	55740893	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.919	5.161	17098086	17447388	500.000	500.000
4)	L1 AR-1016-2	5.942	5.181	24914801	24355921	500.000	500.000
5)	L1 AR-1016-3	6.005	5.362	16260933	13783722	500.000	500.000
6)	L1 AR-1016-4	6.103	5.401	13065451	12241213	500.000	500.000
7)	L1 AR-1016-5	6.398	5.620	14053069	15499204	500.000	500.000
31)	L7 AR-1260-1	7.522	6.664	26748646	28423465	500.000	500.000
32)	L7 AR-1260-2	7.775	6.850	31371778	33326673	500.000	500.000
33)	L7 AR-1260-3	8.137	7.008	26336481	32235992	500.000	500.000
34)	L7 AR-1260-4	8.375	7.483	30576350	27834870	500.000	500.000
35)	L7 AR-1260-5	8.712	7.722	54191257	61102763	500.000	500.000

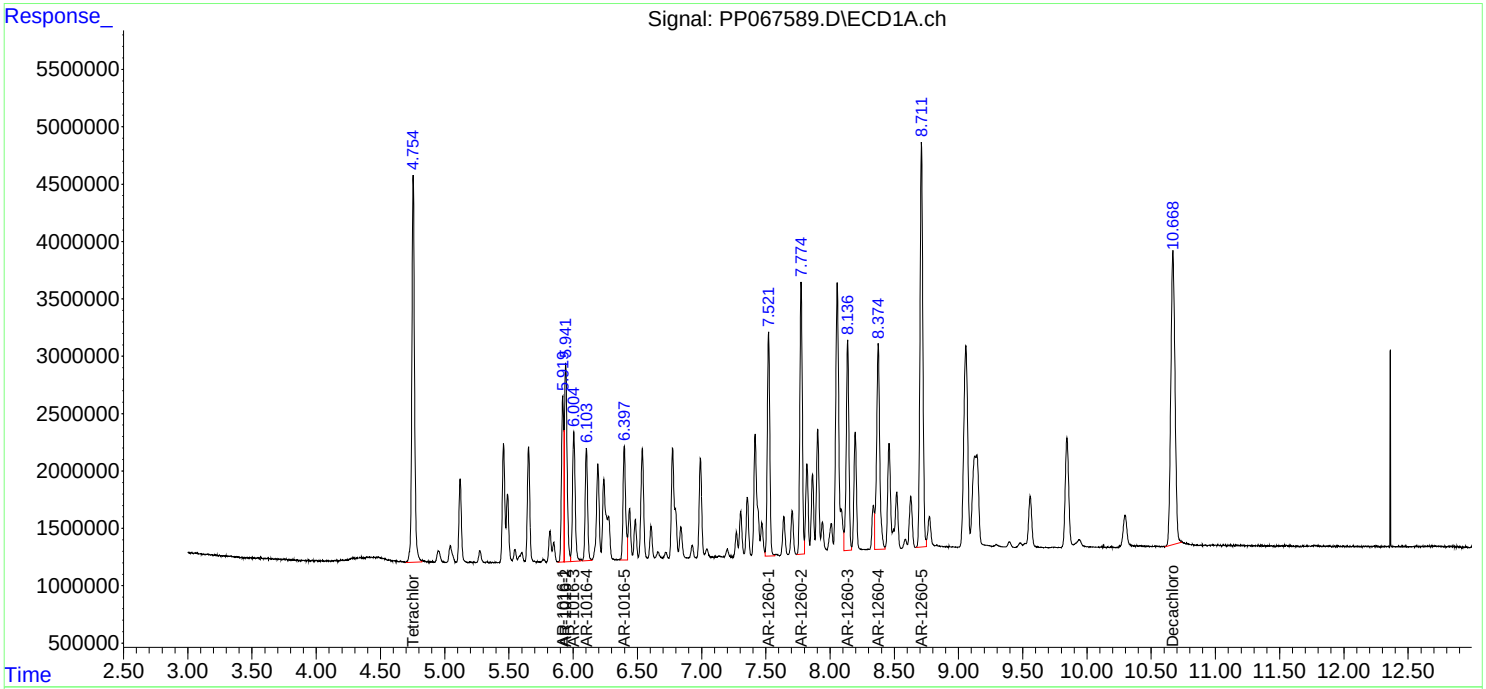
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

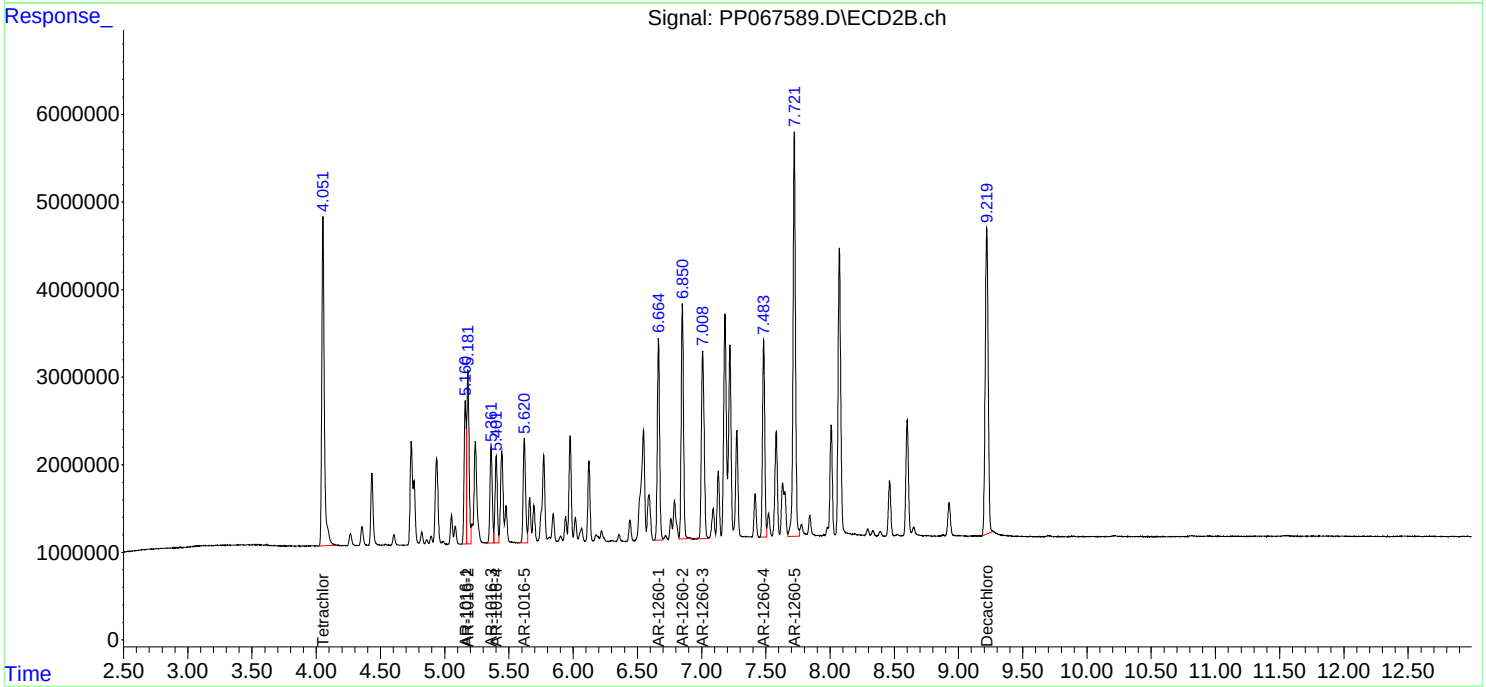
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

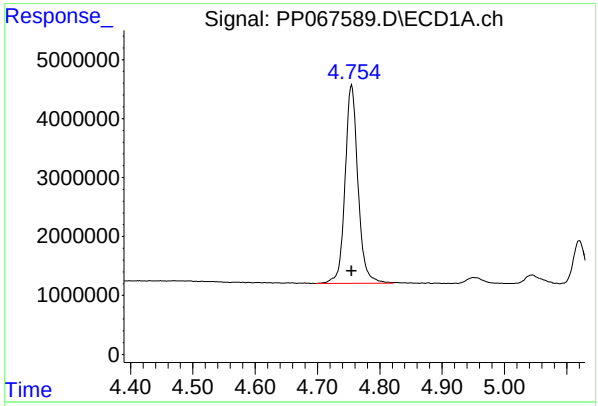
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



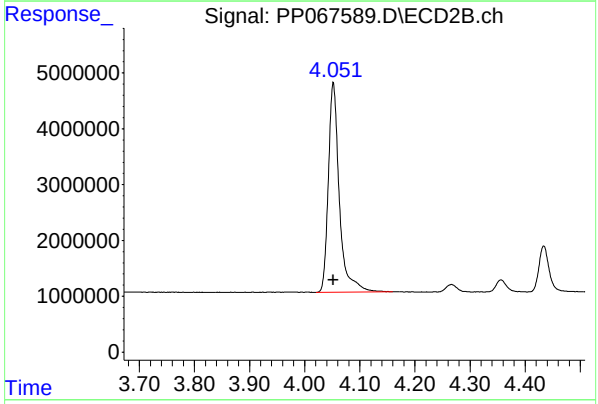




#1 Tetrachloro-m-xylene

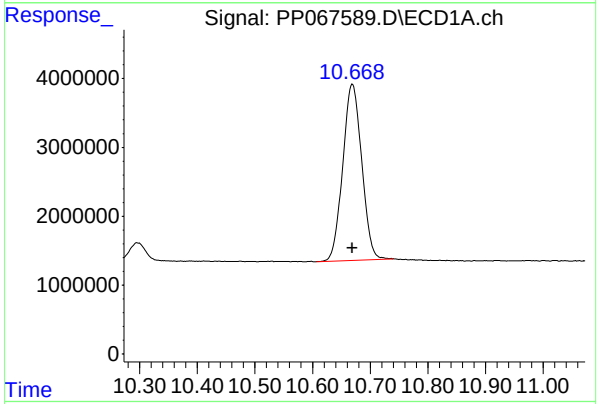
R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 48468733
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



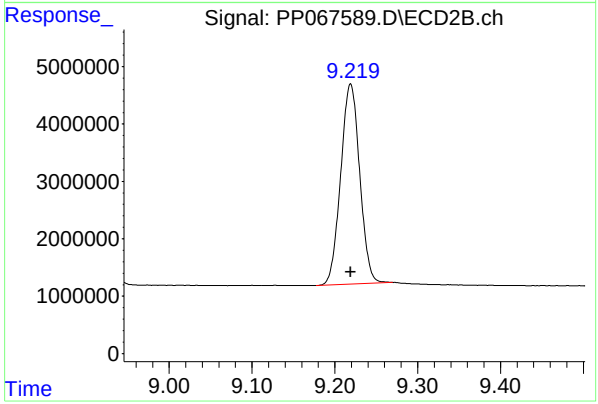
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51909432
Conc: 50.00 ng/ml



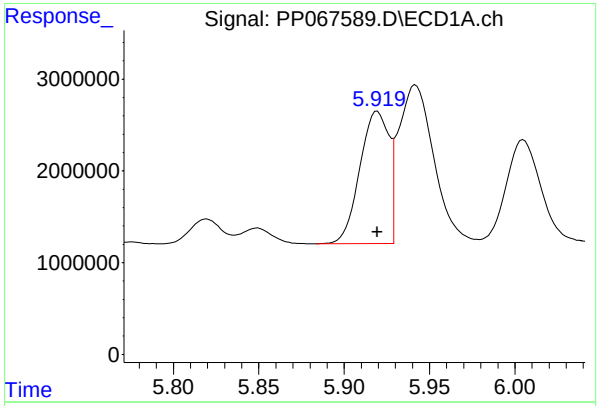
#2 Decachlorobiphenyl

R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 58154431
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

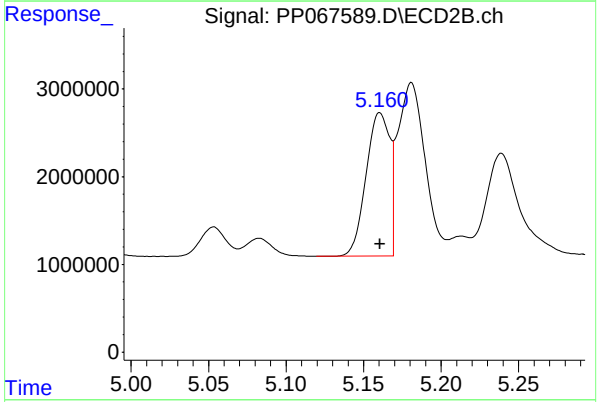
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 55740893
Conc: 50.00 ng/ml



#3 AR-1016-1

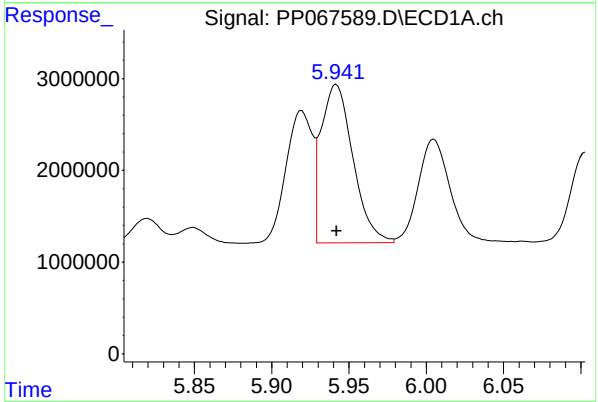
R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 17098086
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



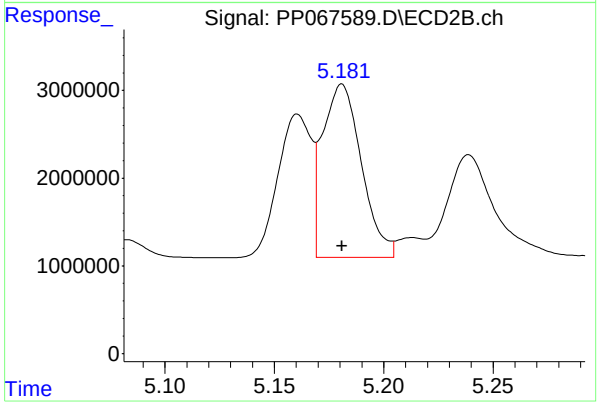
#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 17447388
Conc: 500.00 ng/ml



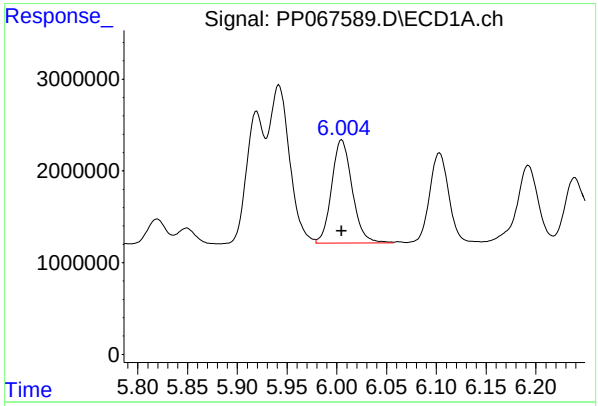
#4 AR-1016-2

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 24914801
Conc: 500.00 ng/ml



#4 AR-1016-2

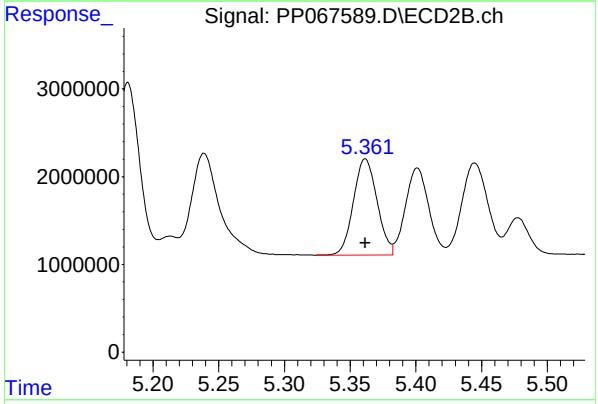
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 24355921
Conc: 500.00 ng/ml



#5 AR-1016-3

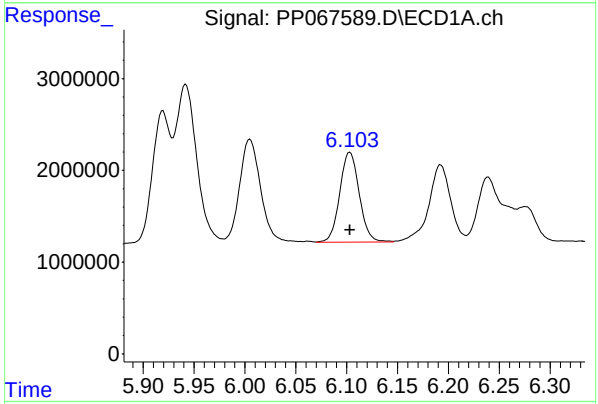
R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 16260933
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



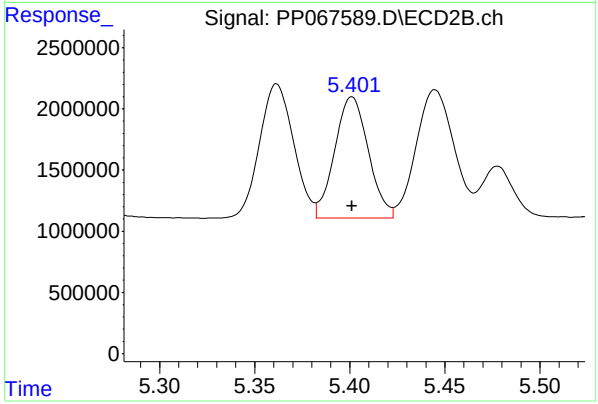
#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 13783722
Conc: 500.00 ng/ml



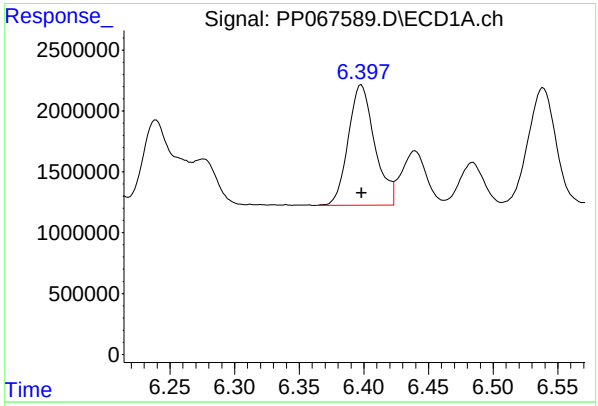
#6 AR-1016-4

R.T.: 6.103 min
Delta R.T.: 0.000 min
Response: 13065451
Conc: 500.00 ng/ml



#6 AR-1016-4

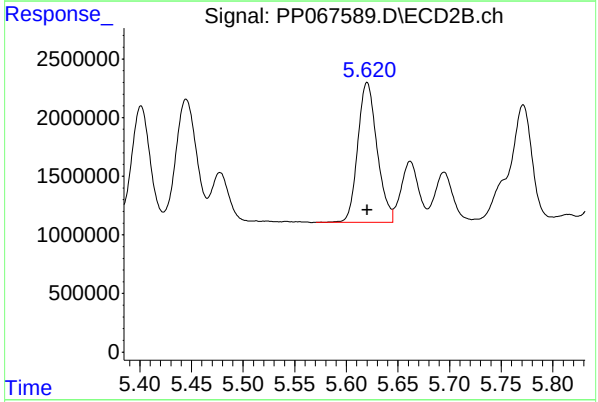
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 12241213
Conc: 500.00 ng/ml



#7 AR-1016-5

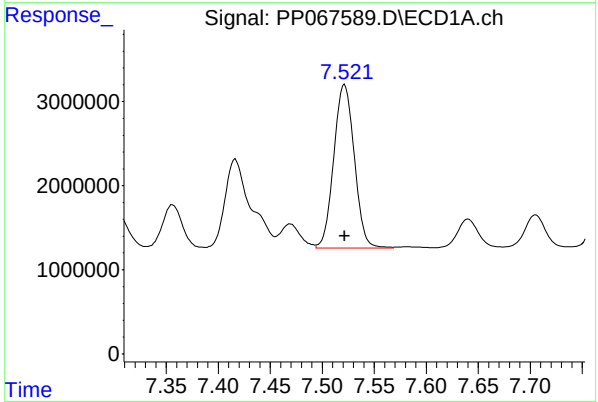
R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 14053069
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



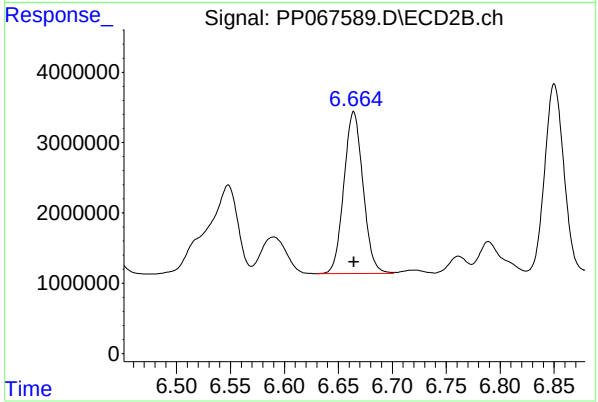
#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 15499204
Conc: 500.00 ng/ml



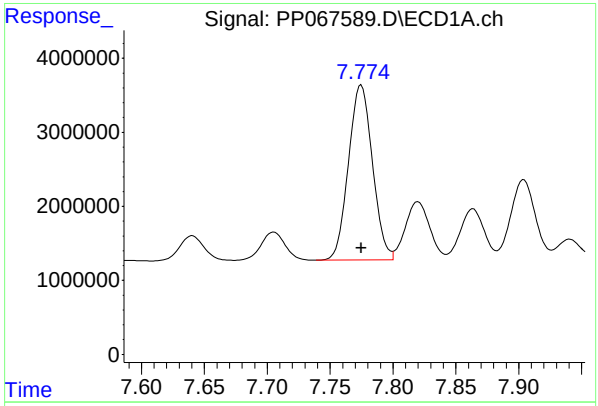
#31 AR-1260-1

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 26748646
Conc: 500.00 ng/ml



#31 AR-1260-1

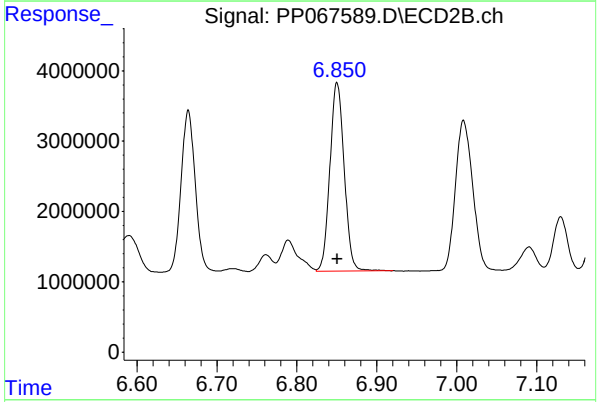
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 28423465
Conc: 500.00 ng/ml



#32 AR-1260-2

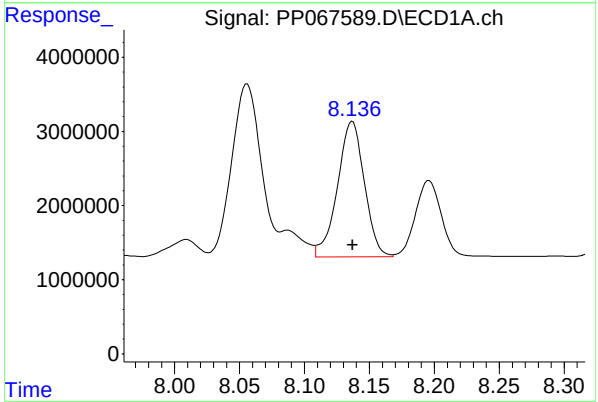
R.T.: 7.775 min
Delta R.T.: 0.000 min
Response: 31371778
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



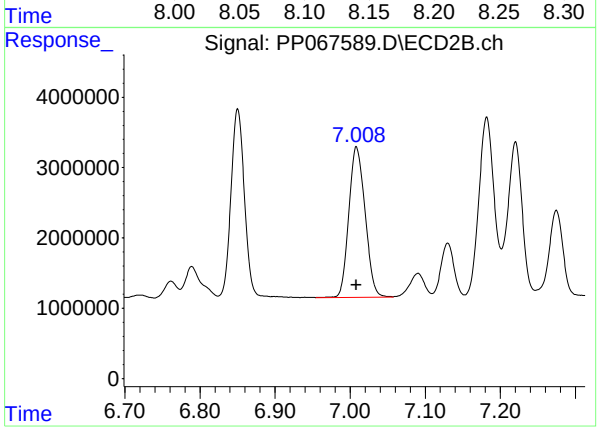
#32 AR-1260-2

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 33326673
Conc: 500.00 ng/ml



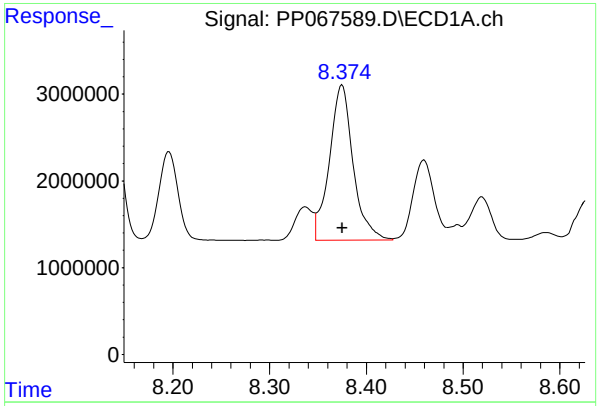
#33 AR-1260-3

R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 26336481
Conc: 500.00 ng/ml



#33 AR-1260-3

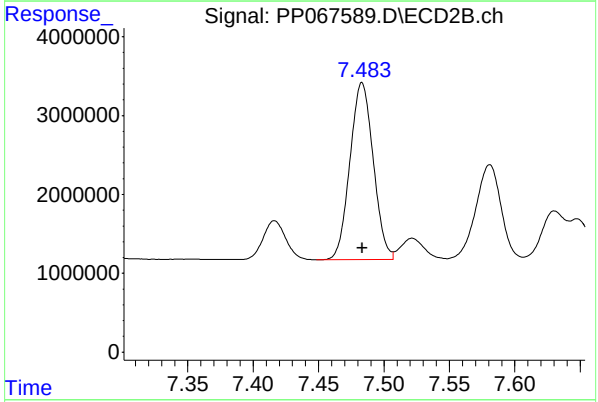
R.T.: 7.008 min
Delta R.T.: 0.000 min
Response: 32235992
Conc: 500.00 ng/ml



#34 AR-1260-4

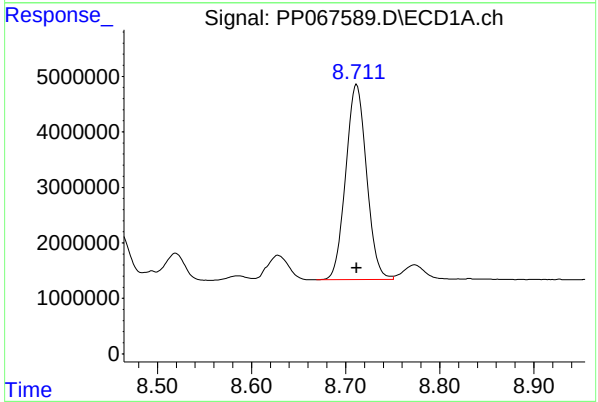
R.T.: 8.375 min
Delta R.T.: 0.000 min
Response: 30576350
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



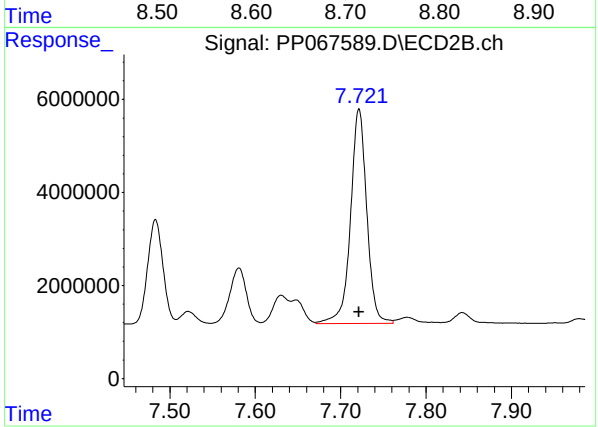
#34 AR-1260-4

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 27834870
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 54191257
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 61102763
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	24449136	27156481	25.713	26.471
2)	SA Decachlor...	10.667	9.219	31812344	30378918	27.810	27.545
	Target Compounds						
3)	L1 AR-1016-1	5.918	5.161	9055321	9463755	270.481	273.370
4)	L1 AR-1016-2	5.940	5.181	13304120	13044437	271.003	270.483
5)	L1 AR-1016-3	6.004	5.362	8636467	7128613	270.516	261.517
6)	L1 AR-1016-4	6.102	5.401	6870142	6439676	267.107	267.937
7)	L1 AR-1016-5	6.397	5.620	7389125	8015561	270.109	262.746m
31)	L7 AR-1260-1	7.520	6.664	15047489	15673375	281.747	278.763
32)	L7 AR-1260-2	7.774	6.851	17224004	18293992	277.341	277.498
33)	L7 AR-1260-3	8.135	7.010	14268955	17271160	275.227	273.526
34)	L7 AR-1260-4	8.373	7.484	16575744	15053418	274.795	274.336
35)	L7 AR-1260-5	8.710	7.722	29040541	32010485	270.523	264.861

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

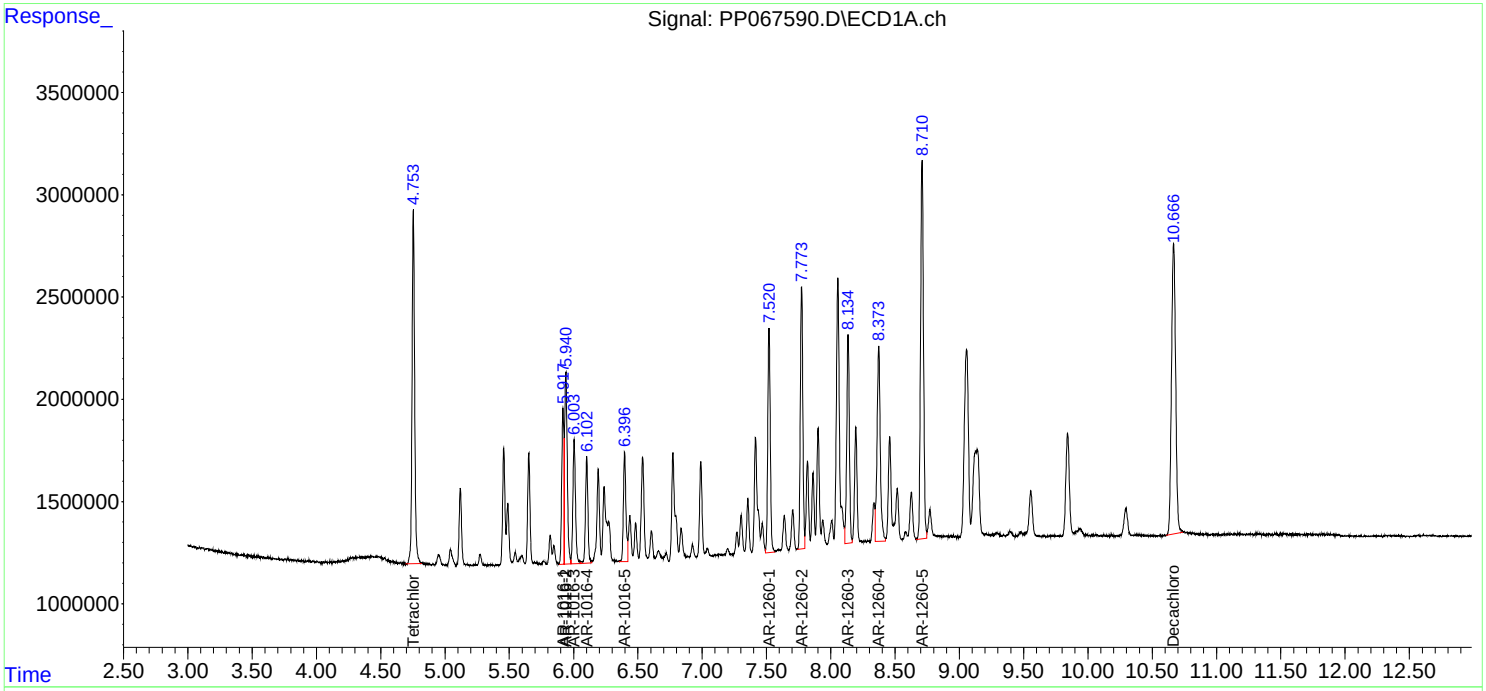
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

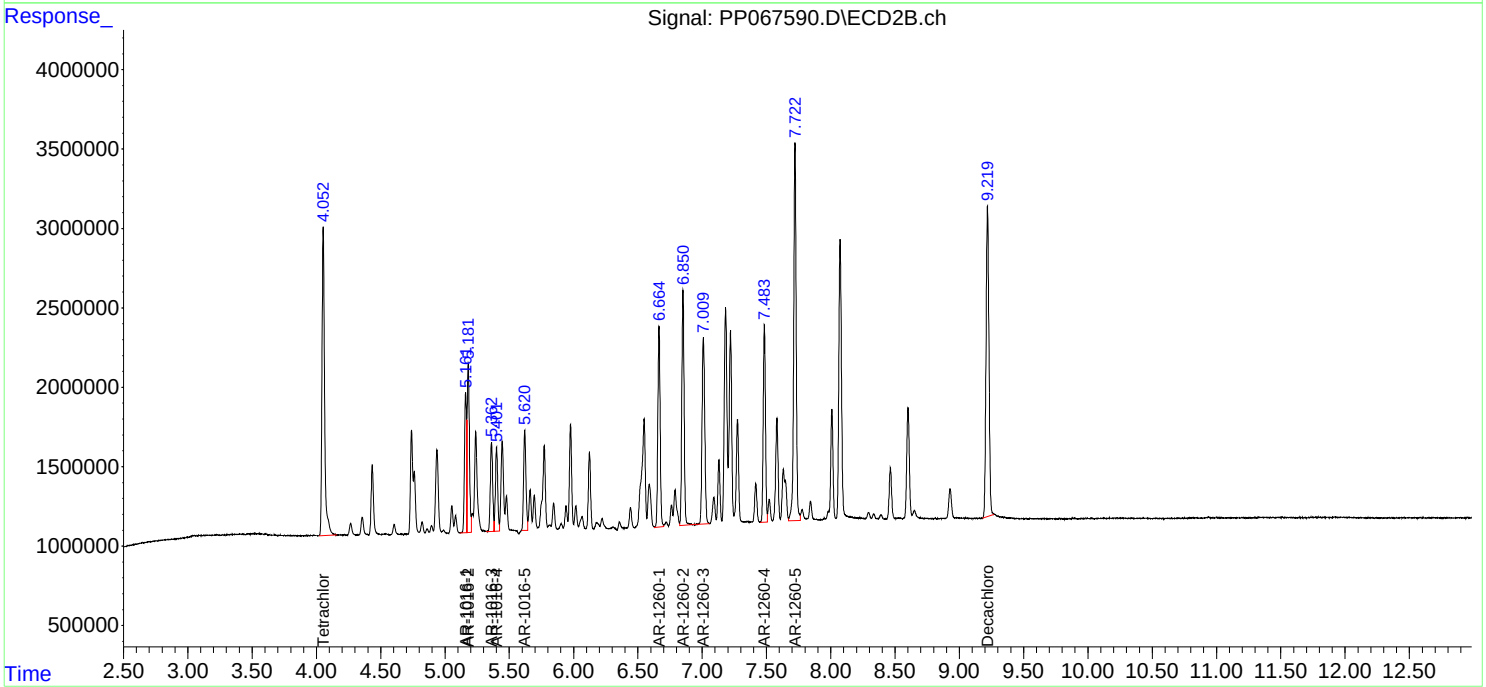
Manual Integrations APPROVED

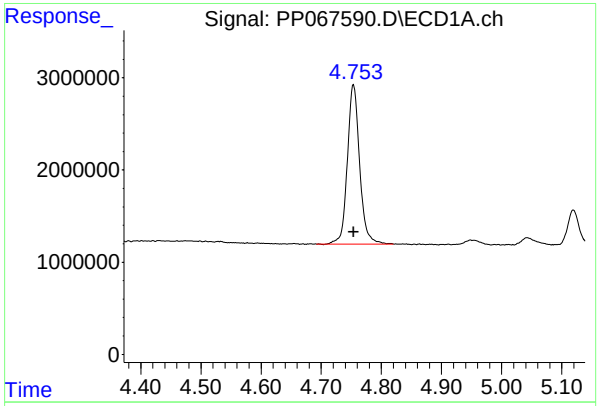
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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







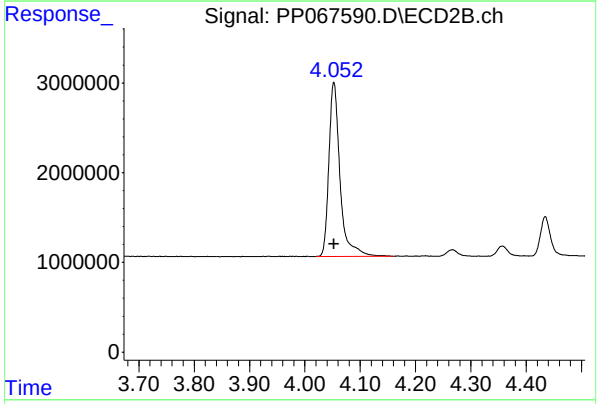
#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 24449136
Conc: 25.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

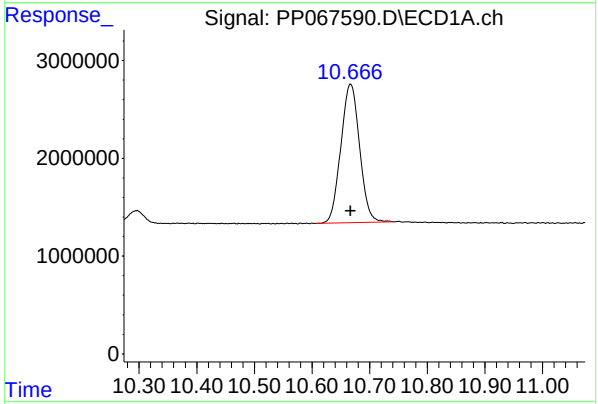
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



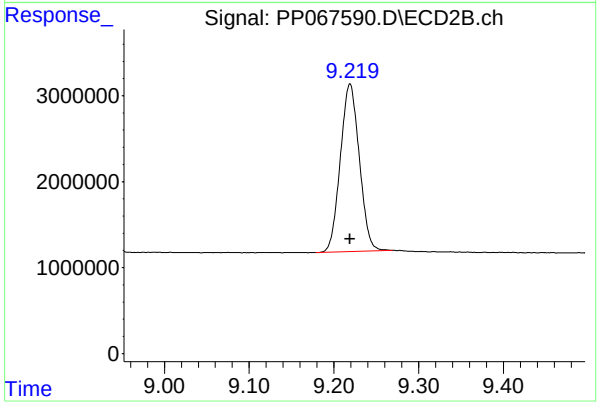
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 27156481
Conc: 26.47 ng/ml



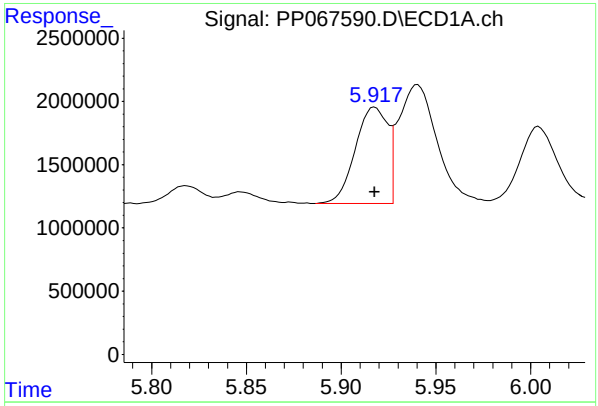
#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 31812344
Conc: 27.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 30378918
Conc: 27.54 ng/ml



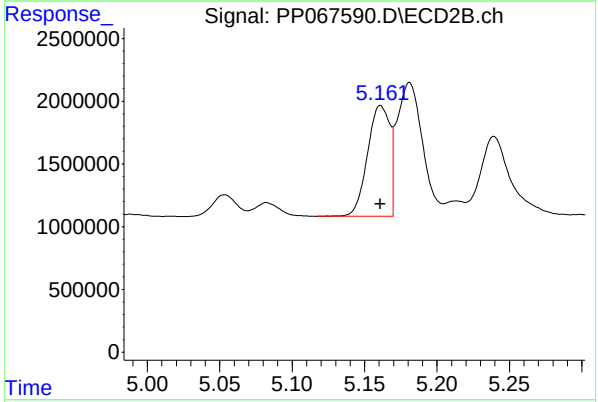
#3 AR-1016-1

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 9055321
Conc: 270.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

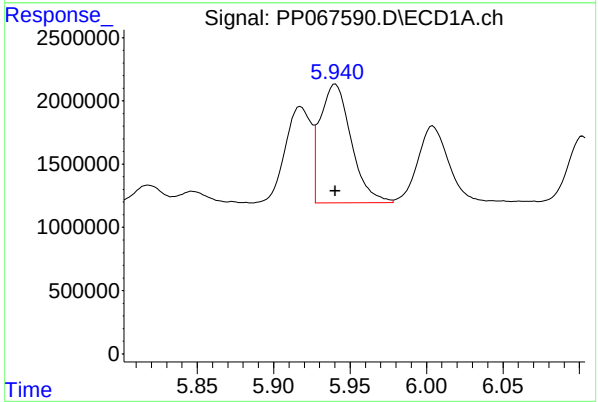
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



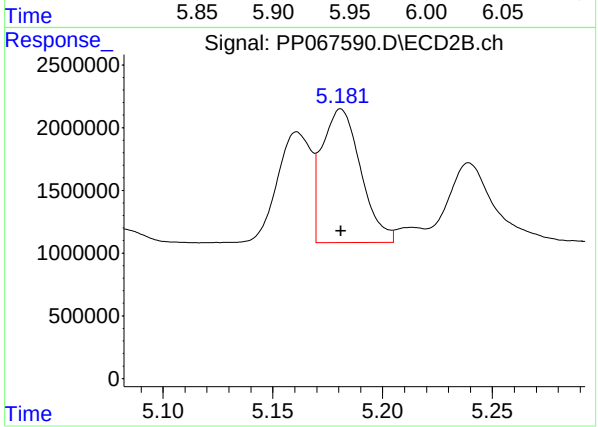
#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 9463755
Conc: 273.37 ng/ml



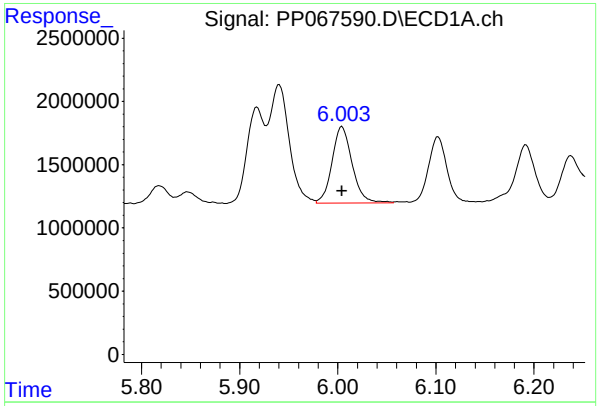
#4 AR-1016-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 13304120
Conc: 271.00 ng/ml



#4 AR-1016-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 13044437
Conc: 270.48 ng/ml



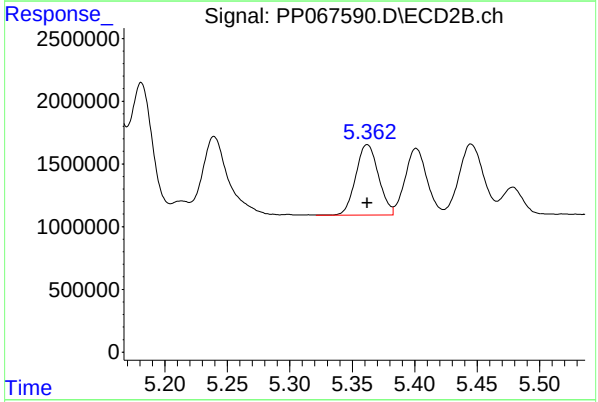
#5 AR-1016-3

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 8636467
Conc: 270.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

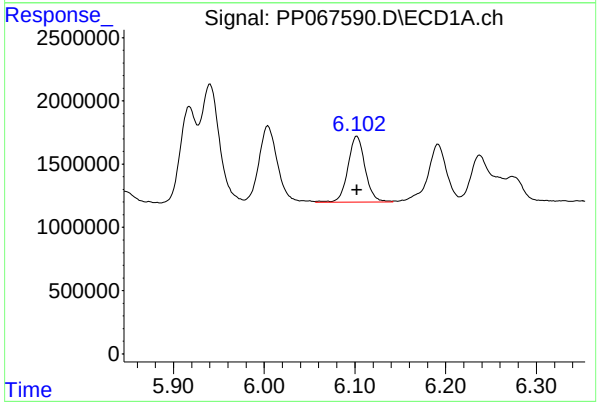
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



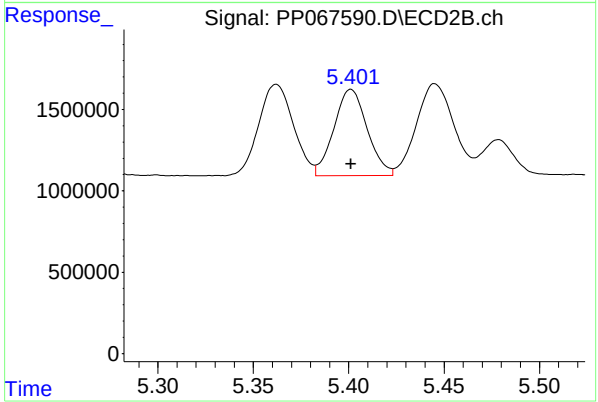
#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 7128613
Conc: 261.52 ng/ml



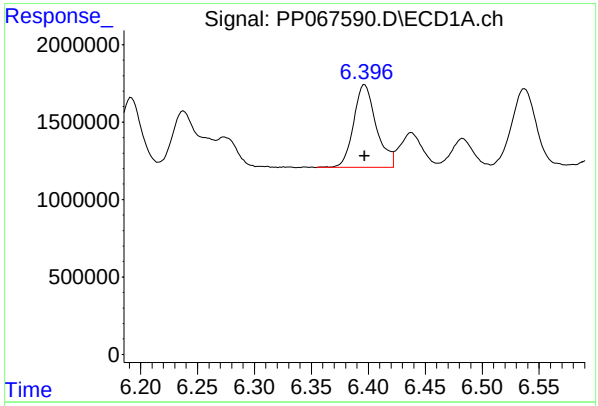
#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 6870142
Conc: 267.11 ng/ml



#6 AR-1016-4

R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 6439676
Conc: 267.94 ng/ml



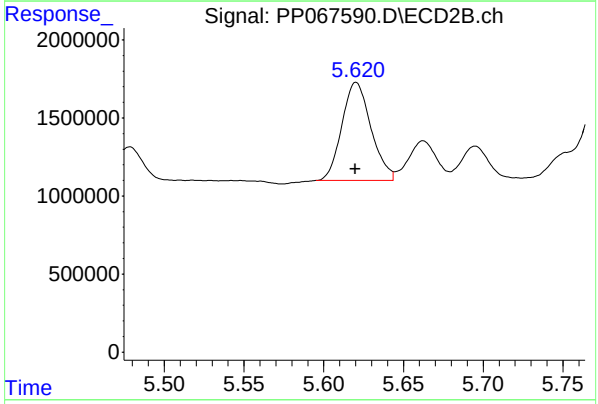
#7 AR-1016-5

R.T.: 6.397 min
Delta R.T.: 0.000 mi
Response: 7389125
Conc: 270.11 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

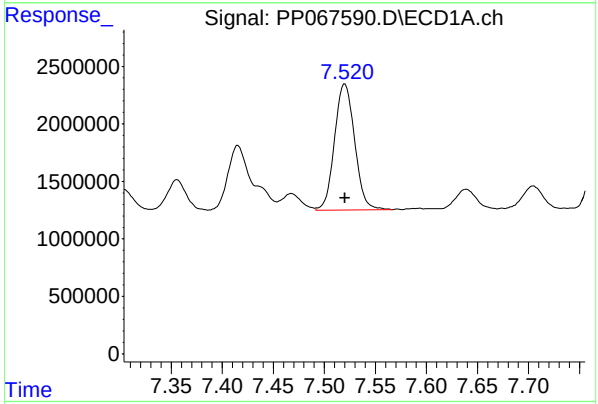
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



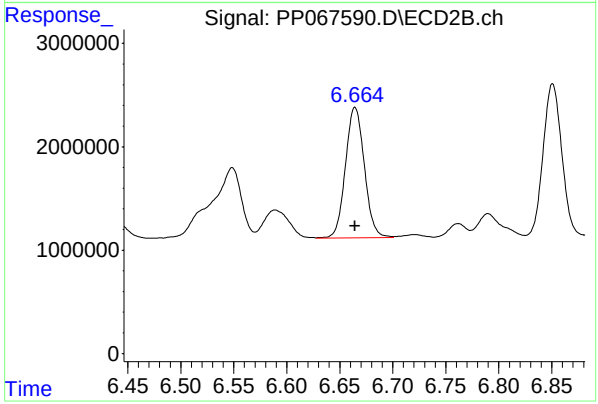
#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 8015561
Conc: 262.75 ng/ml m



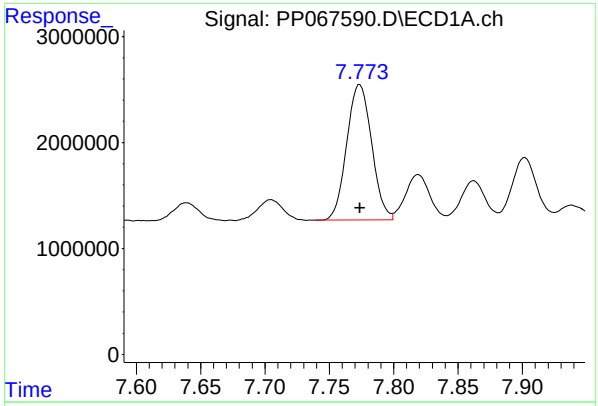
#31 AR-1260-1

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 15047489
Conc: 281.75 ng/ml



#31 AR-1260-1

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 15673375
Conc: 278.76 ng/ml



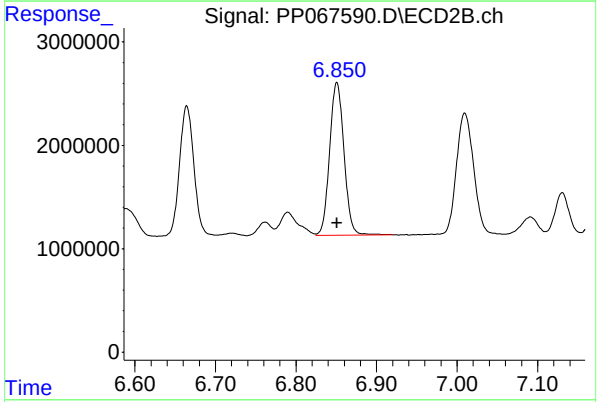
#32 AR-1260-2

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 17224004
Conc: 277.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

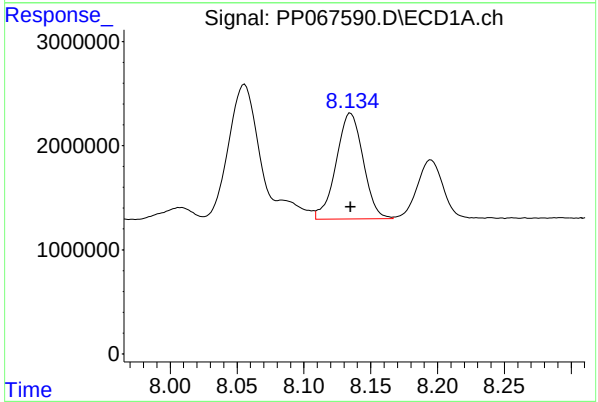
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



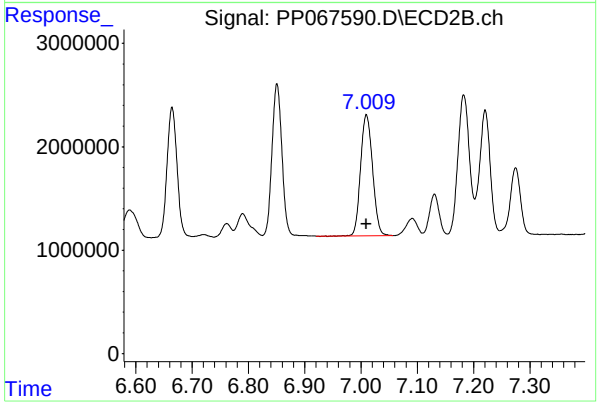
#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 18293992
Conc: 277.50 ng/ml



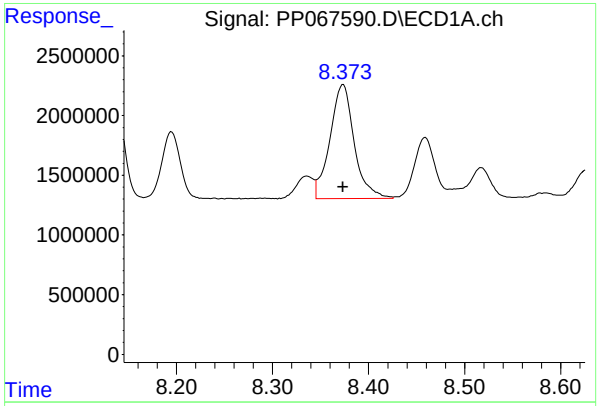
#33 AR-1260-3

R.T.: 8.135 min
Delta R.T.: 0.000 min
Response: 14268955
Conc: 275.23 ng/ml



#33 AR-1260-3

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 17271160
Conc: 273.53 ng/ml



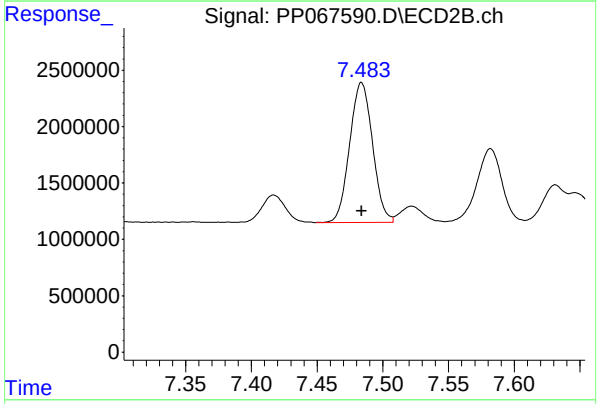
#34 AR-1260-4

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 16575744
Conc: 274.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

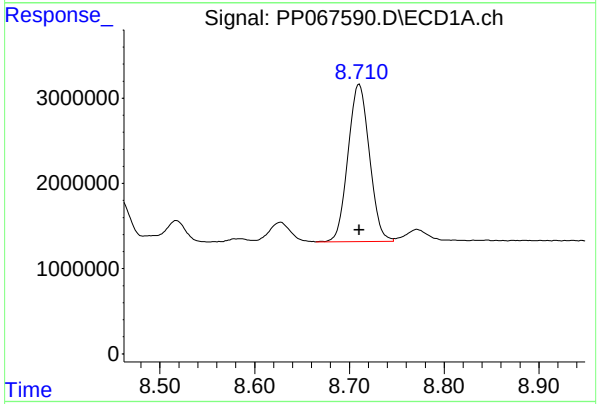
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



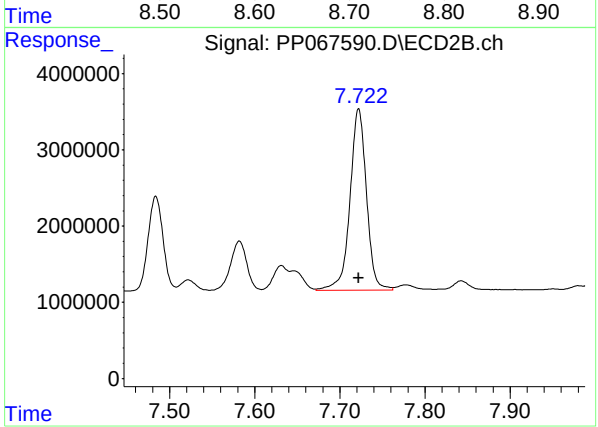
#34 AR-1260-4

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 15053418
Conc: 274.34 ng/ml



#35 AR-1260-5

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 29040541
Conc: 270.52 ng/ml



#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 32010485
Conc: 264.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.755	4.052	4124158	4742428	4.455	4.694
2)	SA Decachlor...	10.668	9.218	5904228	5978529	5.128	5.331
	Target Compounds						
3)	L1 AR-1016-1	5.918	5.161	1570943	1823044	47.508	52.106
4)	L1 AR-1016-2	5.941	5.181	2374298	2396851	48.683	49.760
5)	L1 AR-1016-3	6.005	5.362	1492800	1282642	47.373	47.615
6)	L1 AR-1016-4	6.103	5.401	1291798	1214418	50.179	50.422
7)	L1 AR-1016-5	6.398	5.619	1295512	1525015	47.863	50.109m
31)	L7 AR-1260-1	7.521	6.664	2824350	2995537	52.280	52.588
32)	L7 AR-1260-2	7.774	6.851	3396864	3491158	53.688	52.338
33)	L7 AR-1260-3	8.136	7.009	2593344	3296752	50.017	51.753
34)	L7 AR-1260-4	8.373	7.483	2984512	2848752	49.581	51.521
35)	L7 AR-1260-5	8.711	7.721	5458119	6403126	50.673	52.357

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

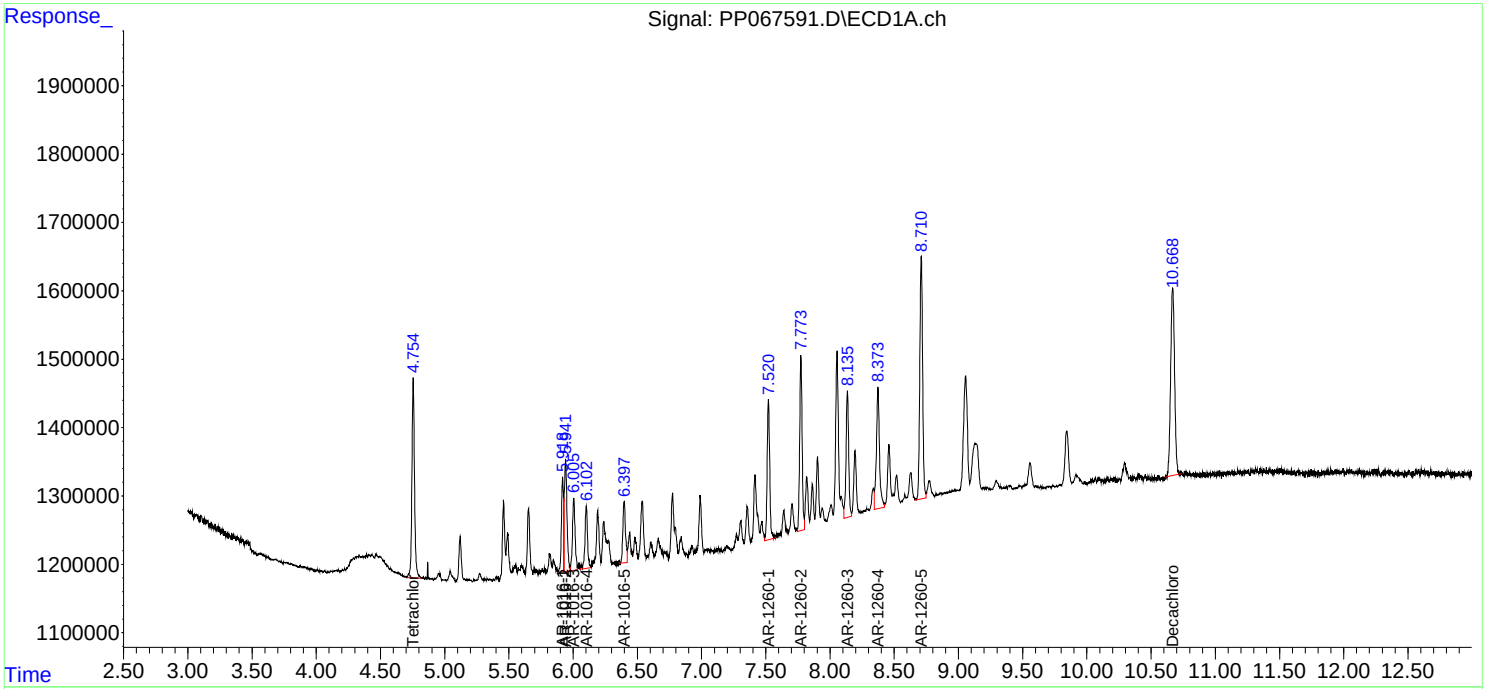
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

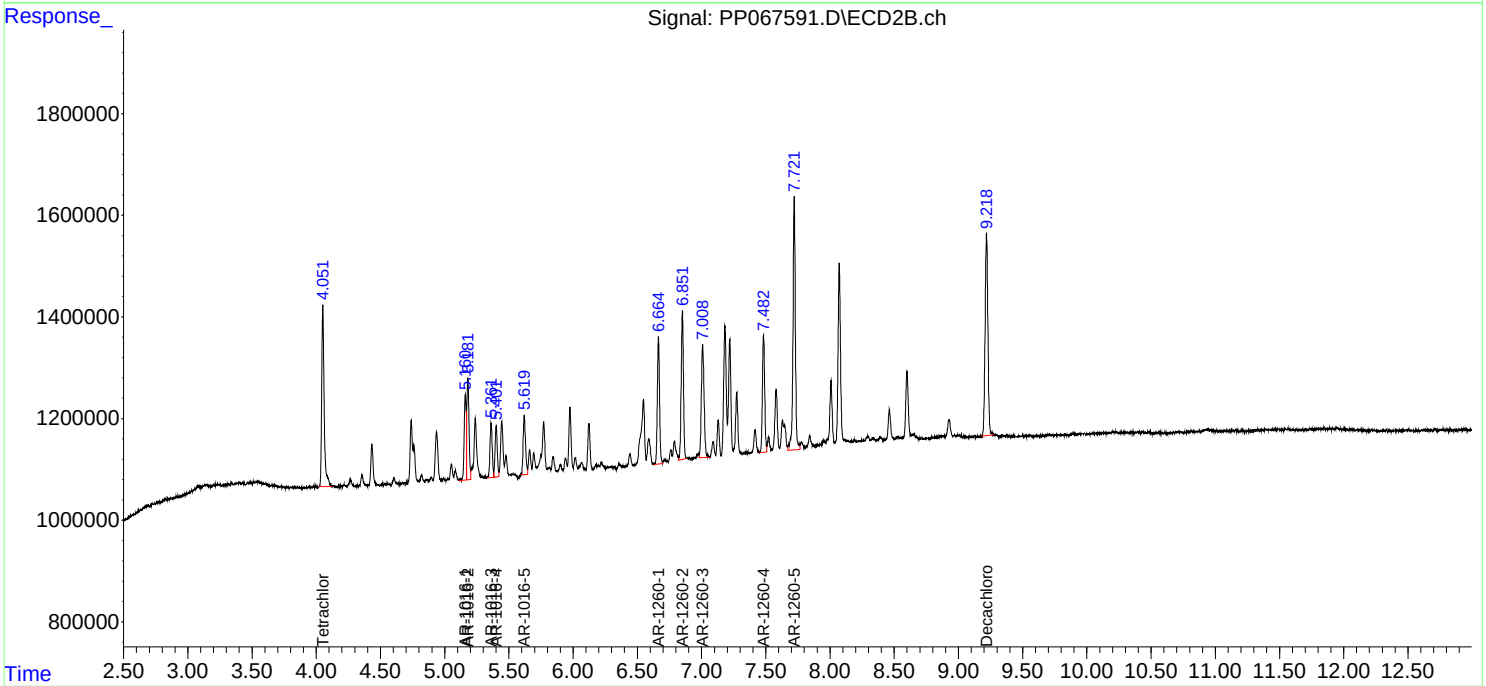
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

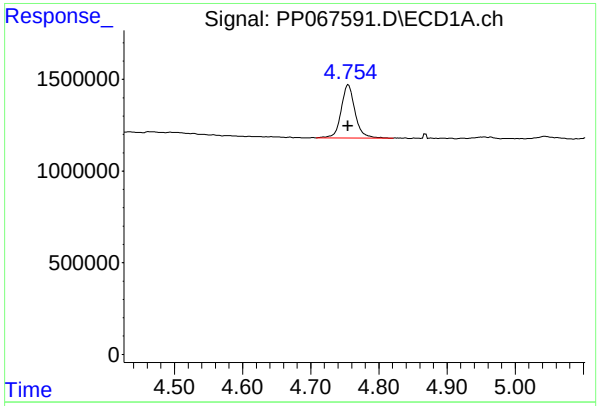
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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







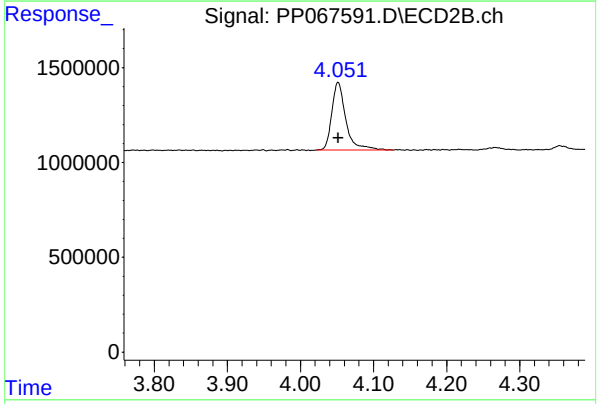
#1 Tetrachloro-m-xylene

R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 4124158
Conc: 4.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

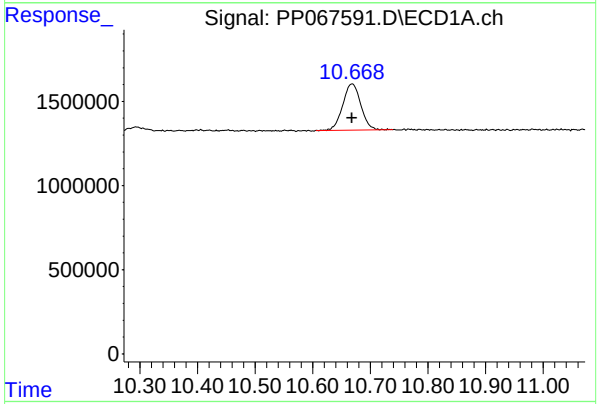
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



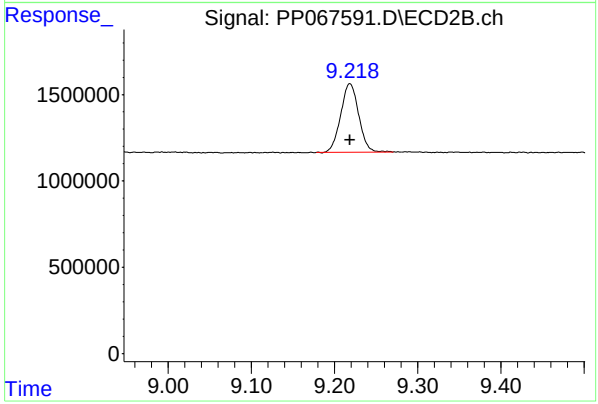
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4742428
Conc: 4.69 ng/ml



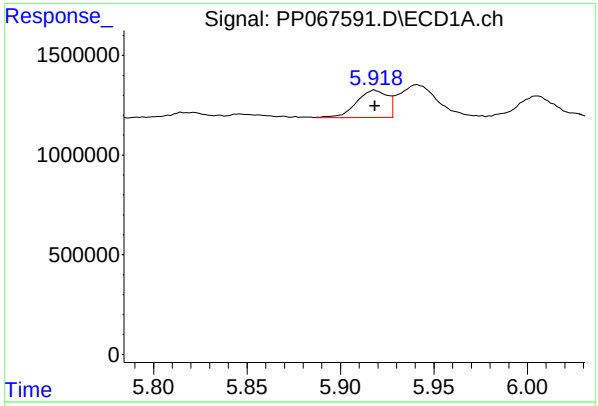
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 5904228
Conc: 5.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 5978529
Conc: 5.33 ng/ml



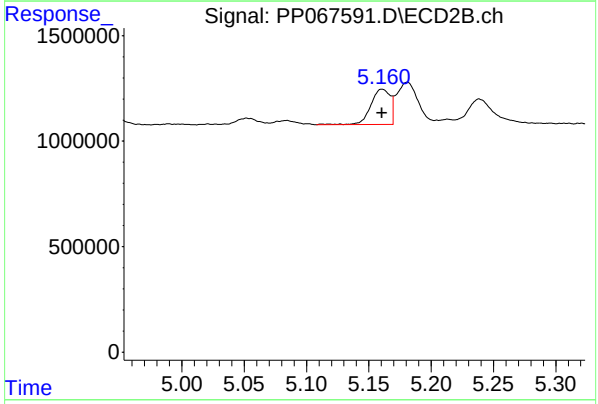
#3 AR-1016-1

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 1570943
Conc: 47.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

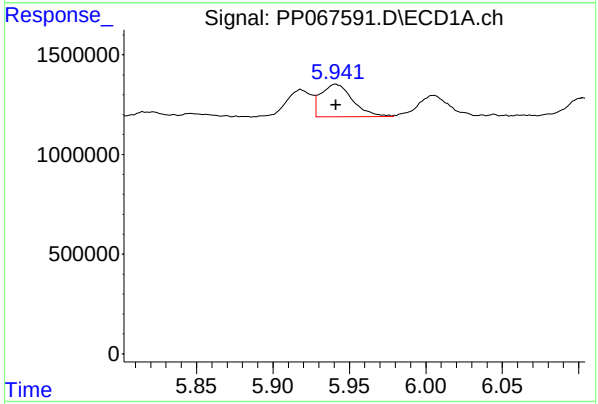
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



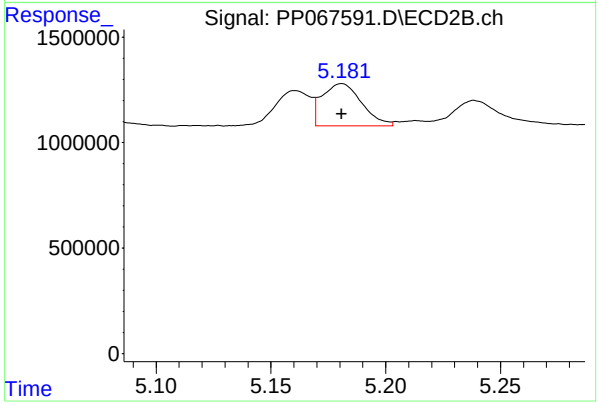
#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1823044
Conc: 52.11 ng/ml



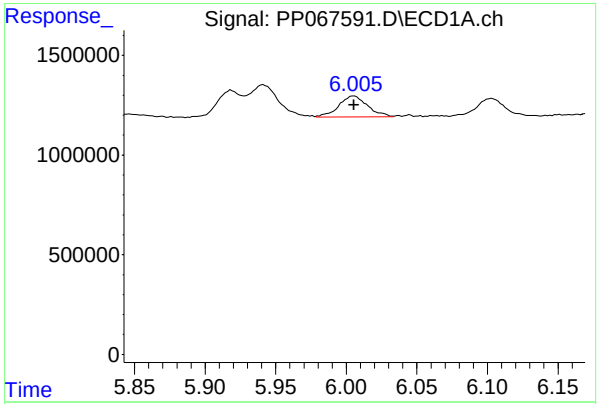
#4 AR-1016-2

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 2374298
Conc: 48.68 ng/ml



#4 AR-1016-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2396851
Conc: 49.76 ng/ml



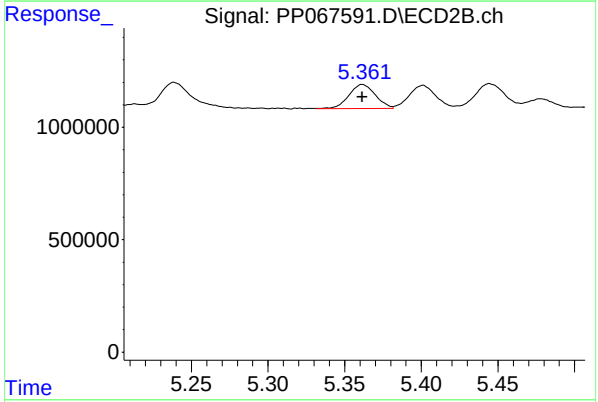
#5 AR-1016-3

R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 1492800
Conc: 47.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

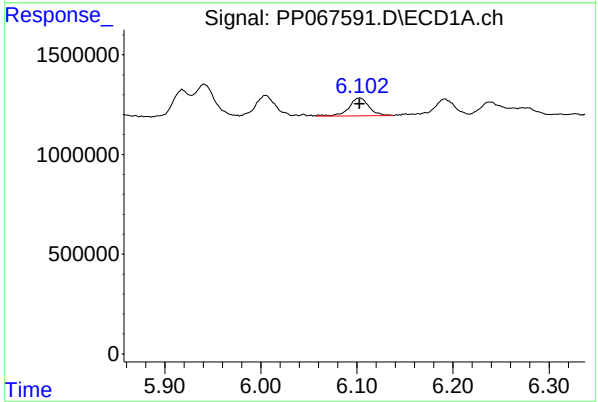
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



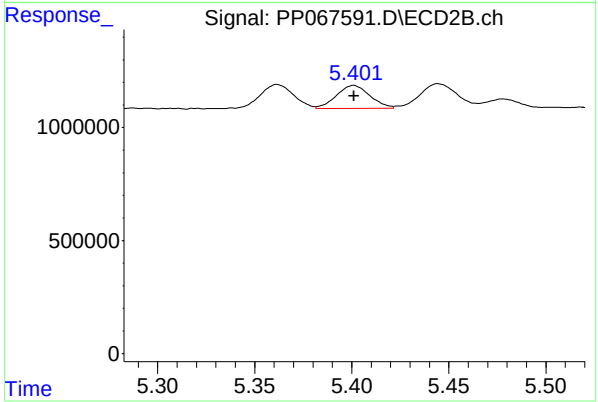
#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 1282642
Conc: 47.62 ng/ml



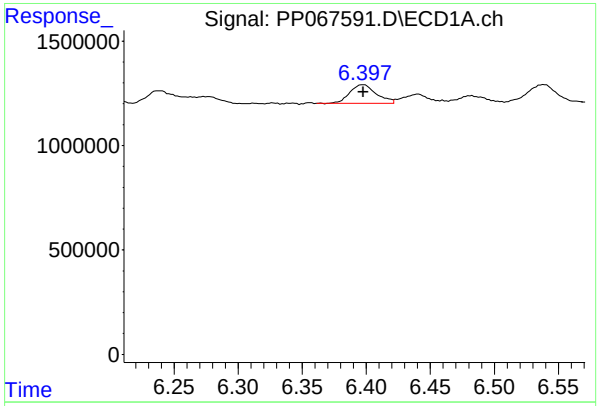
#6 AR-1016-4

R.T.: 6.103 min
Delta R.T.: 0.000 min
Response: 1291798
Conc: 50.18 ng/ml



#6 AR-1016-4

R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 1214418
Conc: 50.42 ng/ml



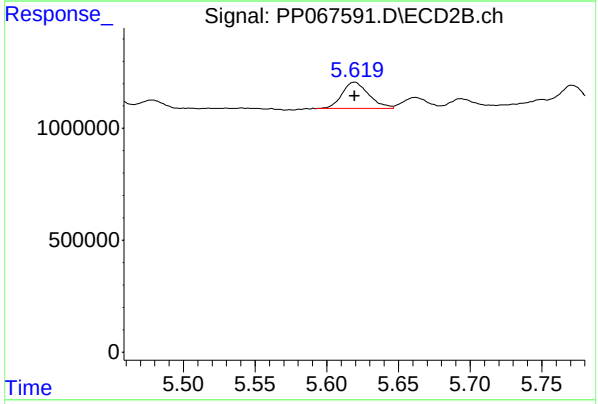
#7 AR-1016-5

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 1295512
Conc: 47.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

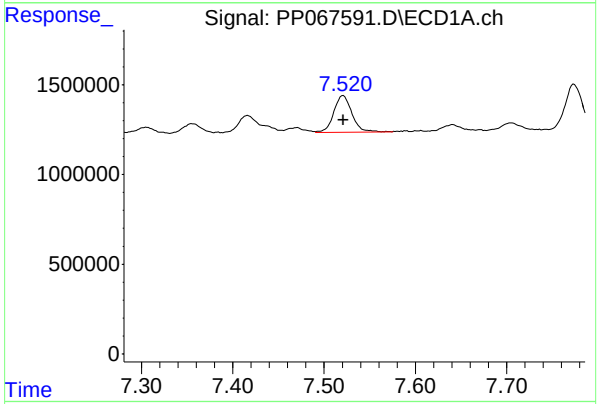
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



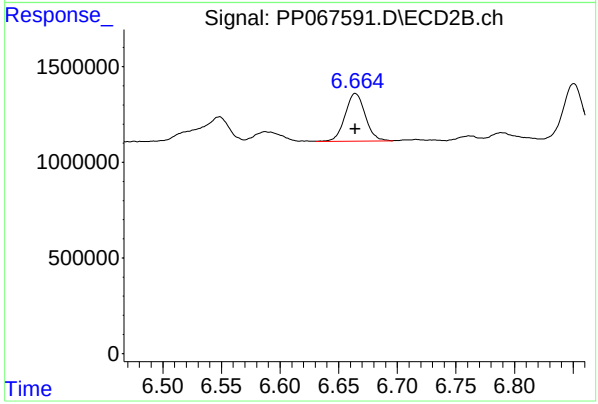
#7 AR-1016-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 1525015
Conc: 50.11 ng/ml m



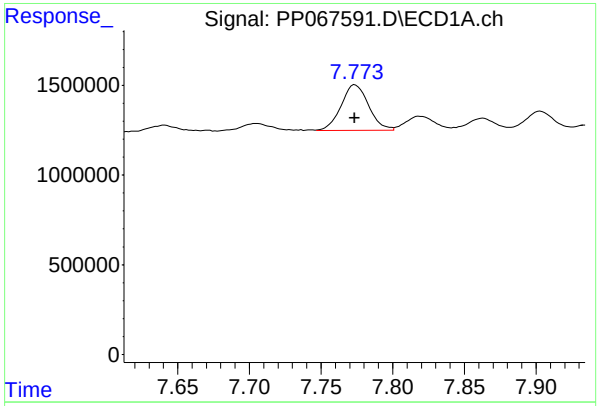
#31 AR-1260-1

R.T.: 7.521 min
Delta R.T.: 0.000 min
Response: 2824350
Conc: 52.28 ng/ml



#31 AR-1260-1

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 2995537
Conc: 52.59 ng/ml



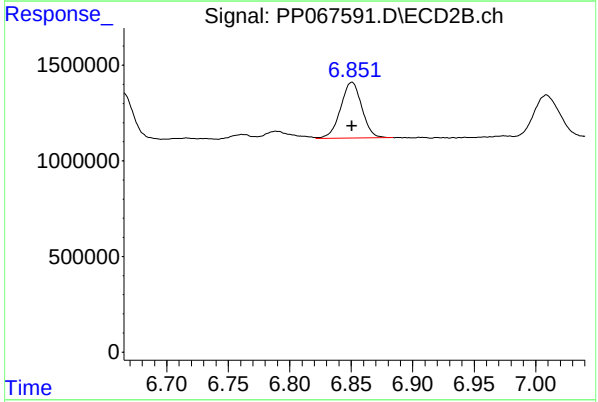
#32 AR-1260-2

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 3396864
Conc: 53.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

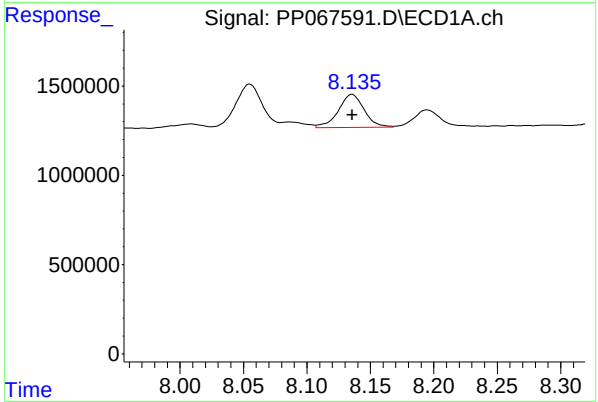
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



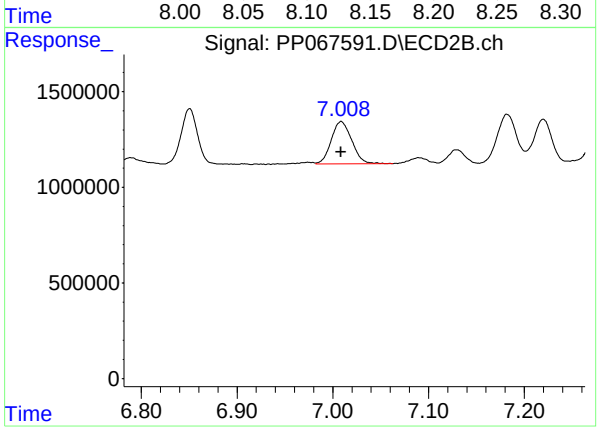
#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 3491158
Conc: 52.34 ng/ml



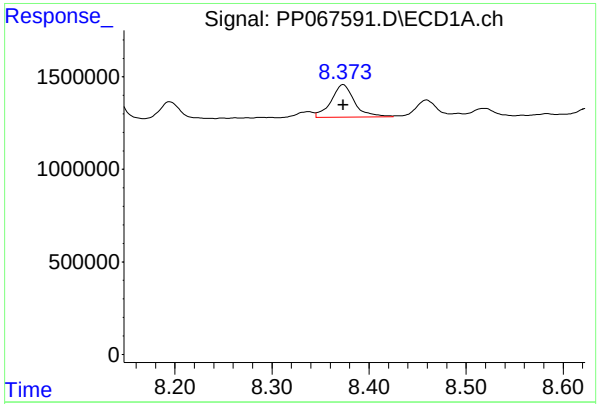
#33 AR-1260-3

R.T.: 8.136 min
Delta R.T.: 0.000 min
Response: 2593344
Conc: 50.02 ng/ml



#33 AR-1260-3

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 3296752
Conc: 51.75 ng/ml



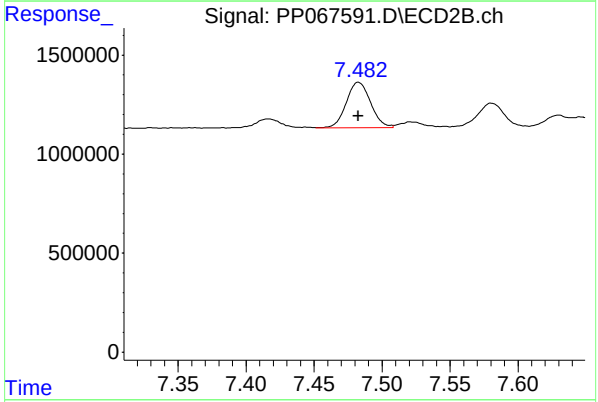
#34 AR-1260-4

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 2984512
Conc: 49.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

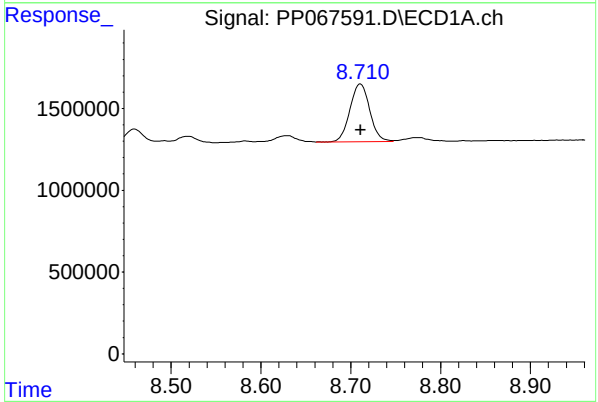
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



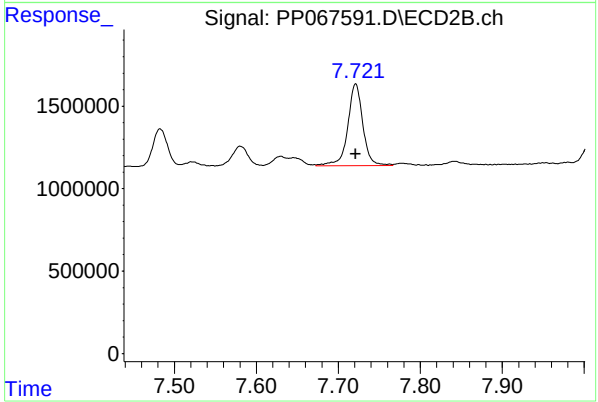
#34 AR-1260-4

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 2848752
Conc: 51.52 ng/ml



#35 AR-1260-5

R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 5458119
Conc: 50.67 ng/ml



#35 AR-1260-5

R.T.: 7.721 min
Delta R.T.: 0.000 min
Response: 6403126
Conc: 52.36 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	47679737	52733461	50.000	50.000
2)	SA Decachlor...	10.668	9.219	57899448	56082979	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.955	4.267	6404930	6585095	500.000	500.000
9)	L2 AR-1221-2	5.041	4.356	4730292	4980620	500.000	500.000
10)	L2 AR-1221-3	5.119	4.434	14453920	15565562	500.000	500.000

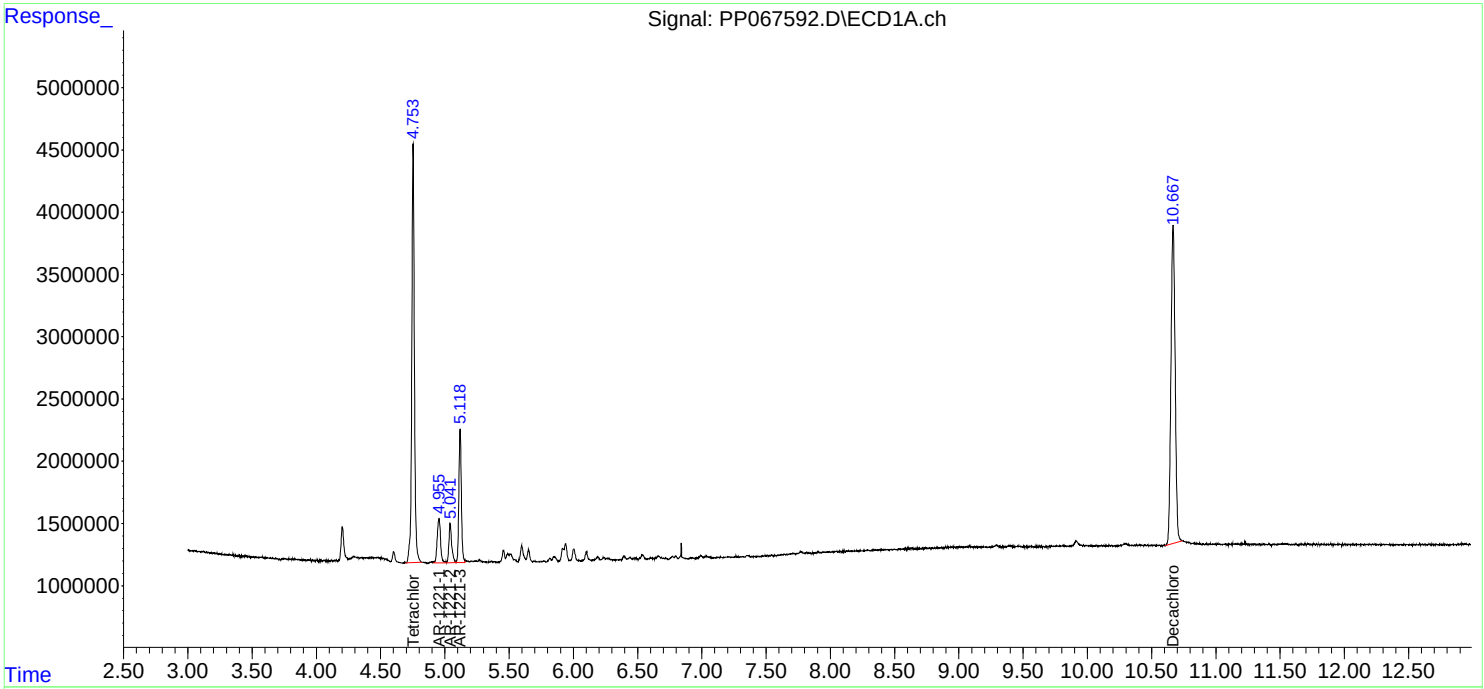
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

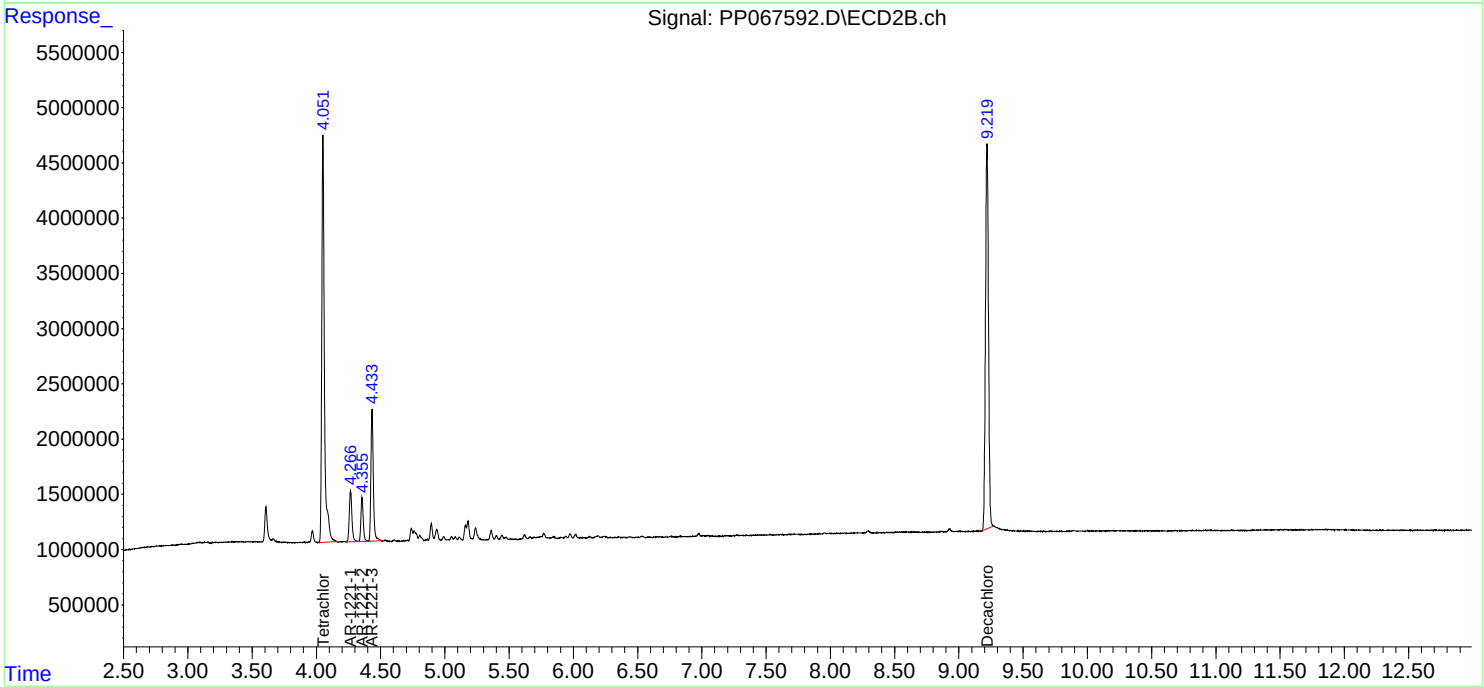
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

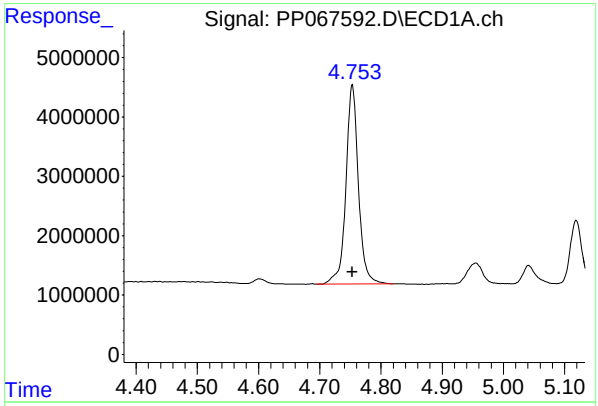
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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



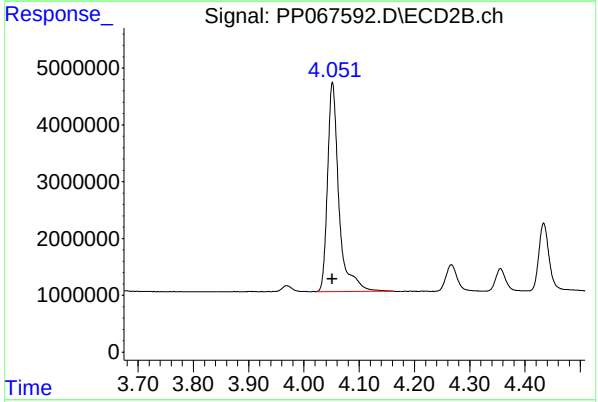




#1 Tetrachloro-m-xylene

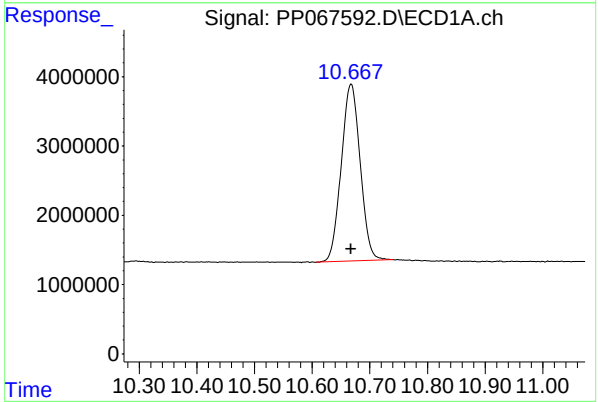
R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 47679737
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



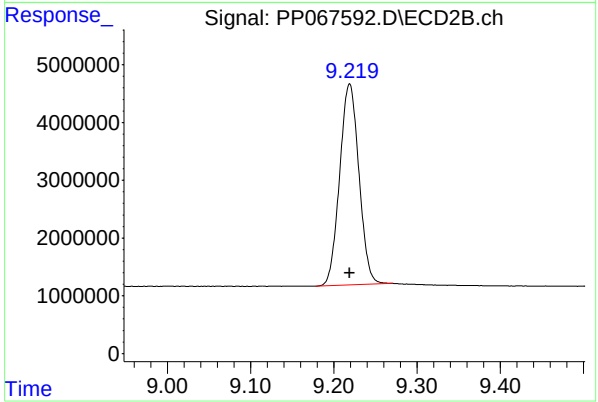
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 52733461
Conc: 50.00 ng/ml



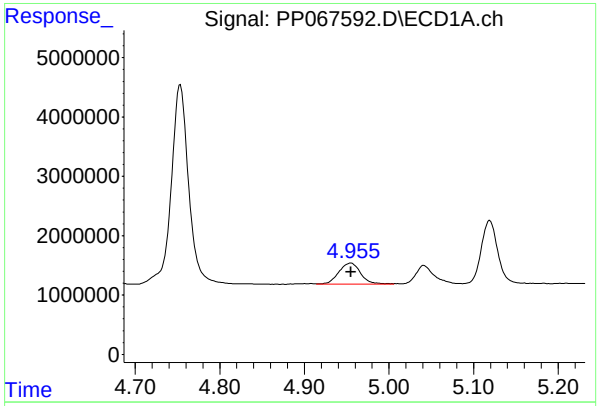
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 57899448
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

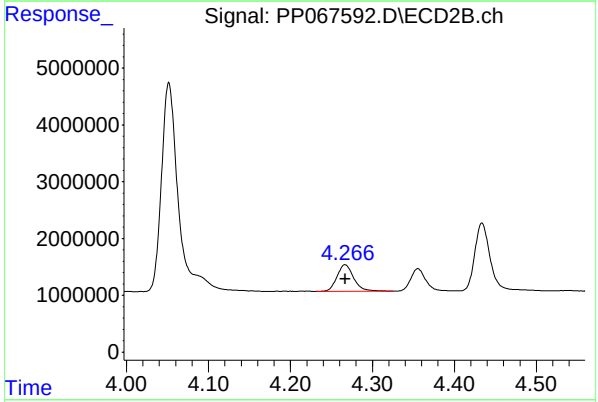
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 56082979
Conc: 50.00 ng/ml



#8 AR-1221-1

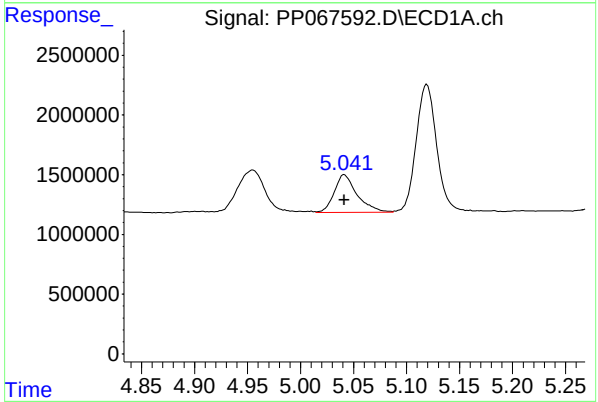
R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 6404930
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



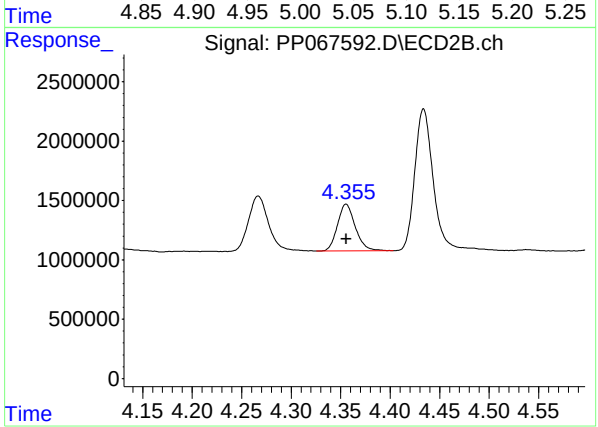
#8 AR-1221-1

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 6585095
Conc: 500.00 ng/ml



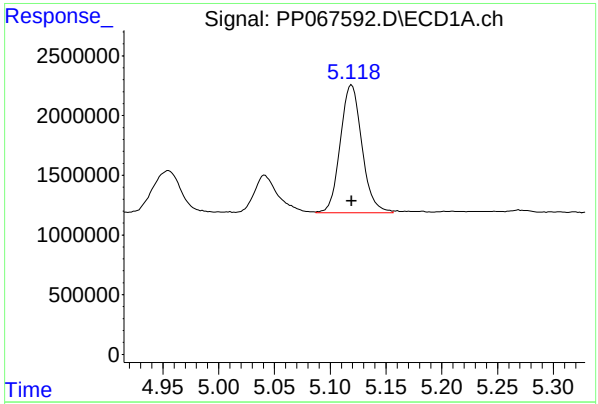
#9 AR-1221-2

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 4730292
Conc: 500.00 ng/ml



#9 AR-1221-2

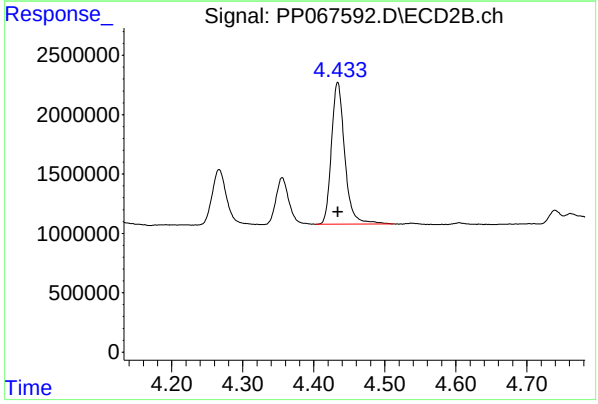
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 4980620
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 14453920
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.434 min
Delta R.T.: 0.000 min
Response: 15565562
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.754	4.052	46649380	50505300	50.000	50.000
2) SA	Decachlor...	10.666	9.219	56517304	54410300	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	5.119	4.434	11429914	12166488	500.000	500.000
12) L3	AR-1232-2	5.651	5.181	5891516	11182496	500.000	500.000
13) L3	AR-1232-3	5.940	5.361	11137505	5971903	500.000	500.000
14) L3	AR-1232-4	6.101	5.445	5643711	5765679	500.000	500.000
15) L3	AR-1232-5	6.191	5.620	4560092	6725151	500.000	500.000

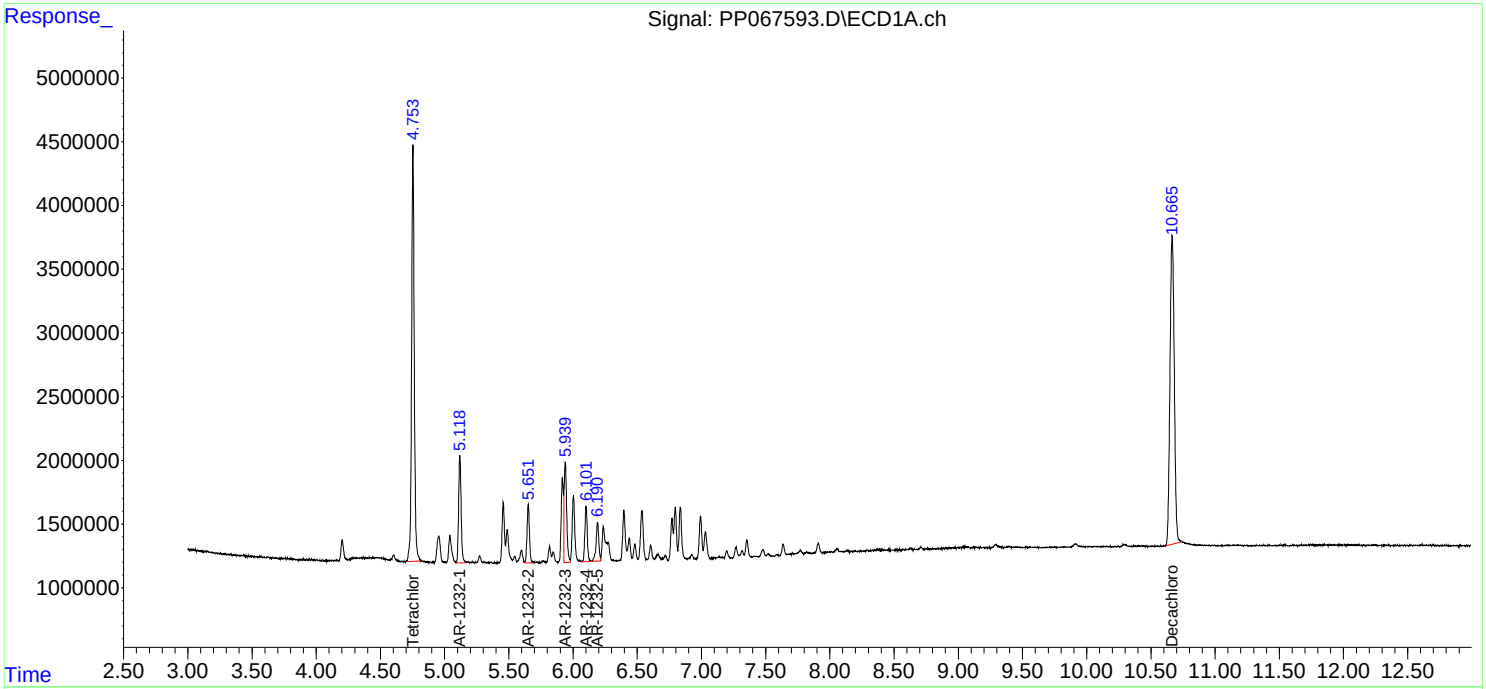
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

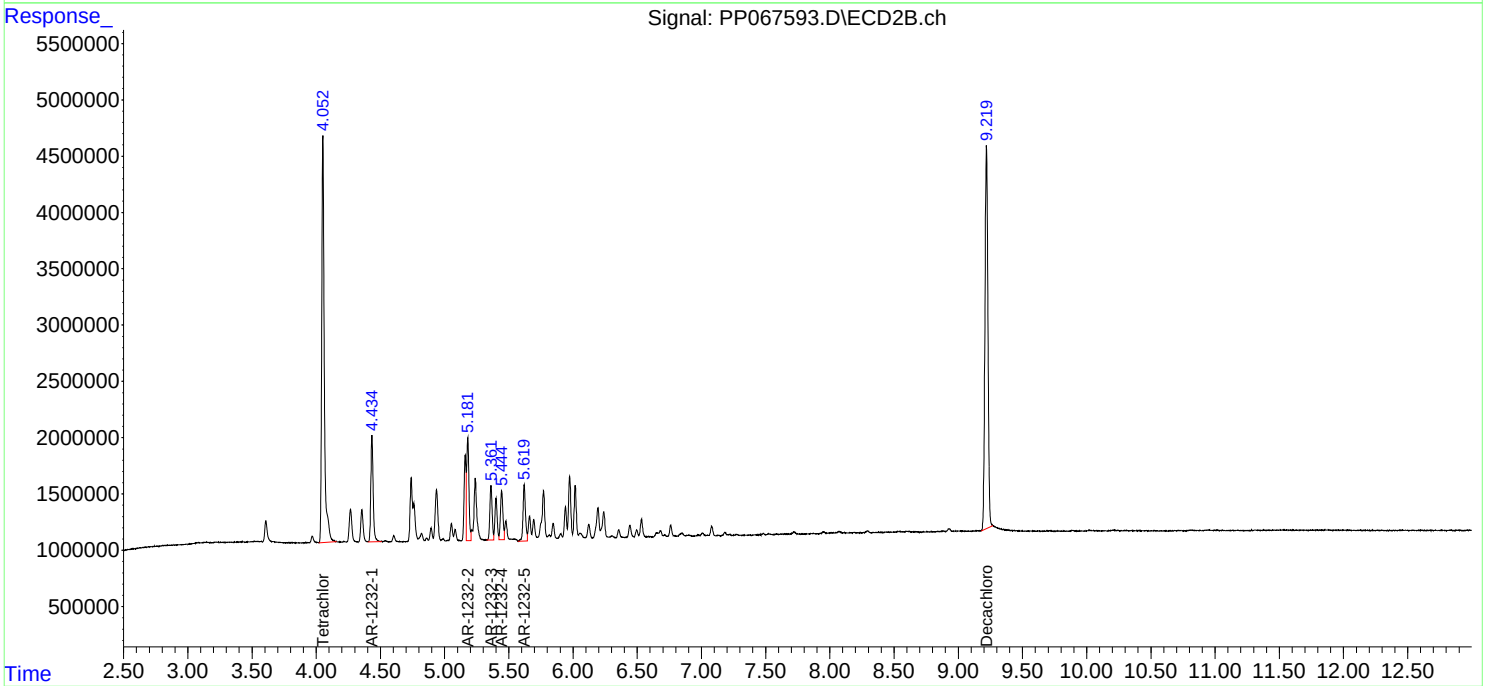
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

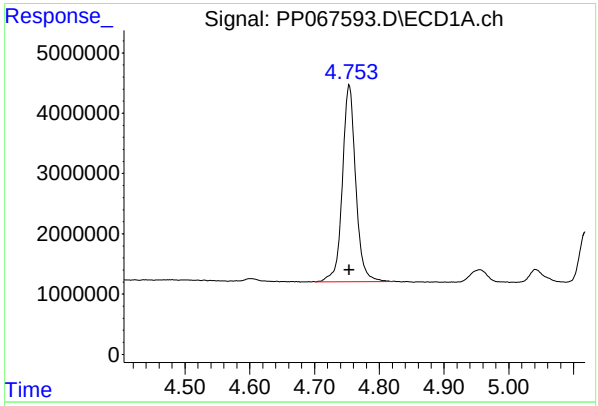
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 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



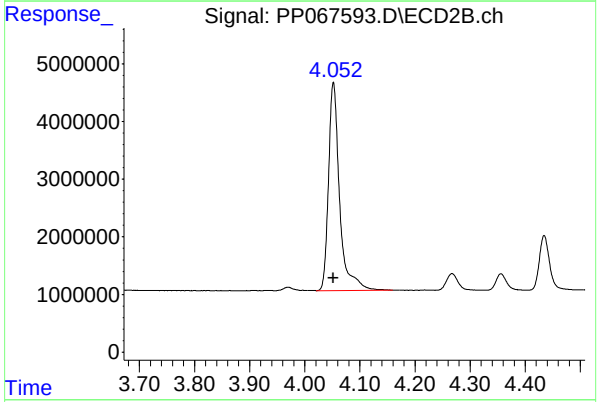




#1 Tetrachloro-m-xylene

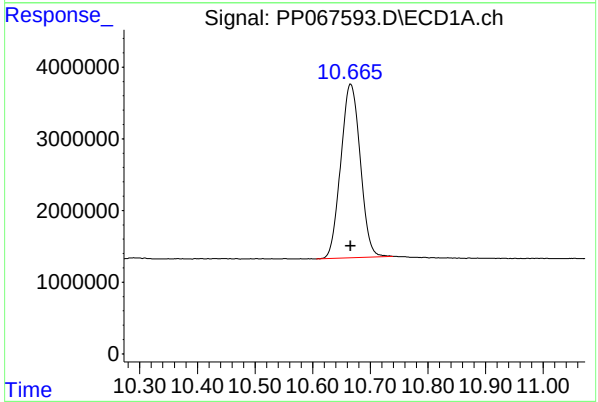
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 46649380
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



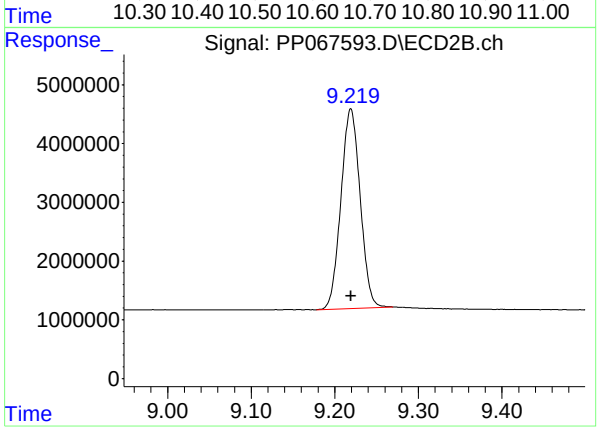
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 50505300
Conc: 50.00 ng/ml



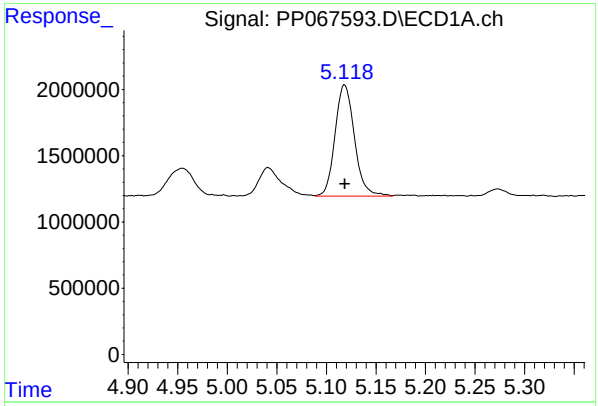
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 56517304
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

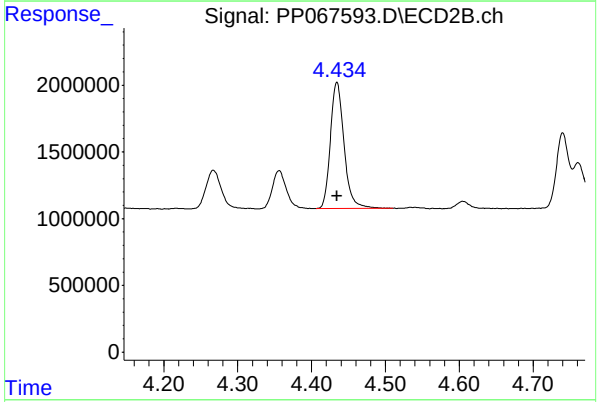
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 54410300
Conc: 50.00 ng/ml



#11 AR-1232-1

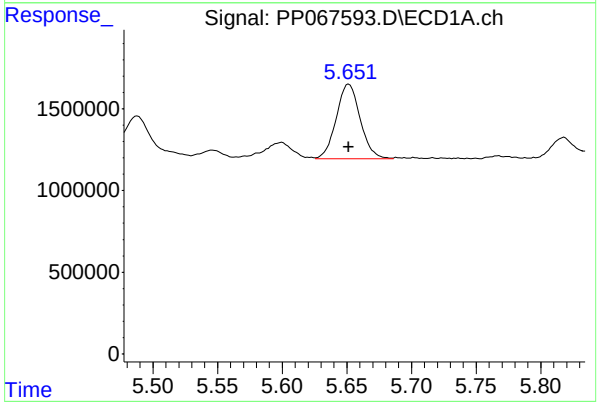
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 11429914
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



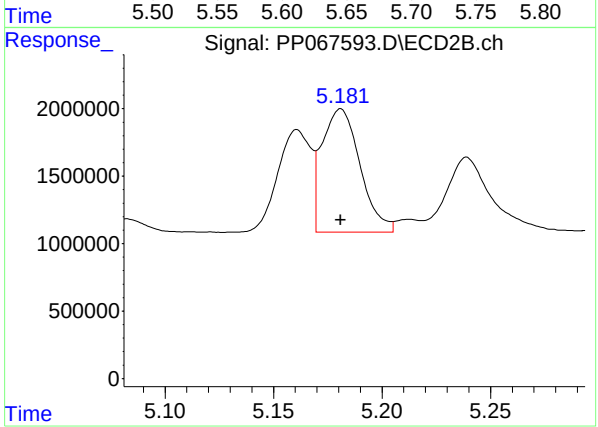
#11 AR-1232-1

R.T.: 4.434 min
Delta R.T.: 0.000 min
Response: 12166488
Conc: 500.00 ng/ml



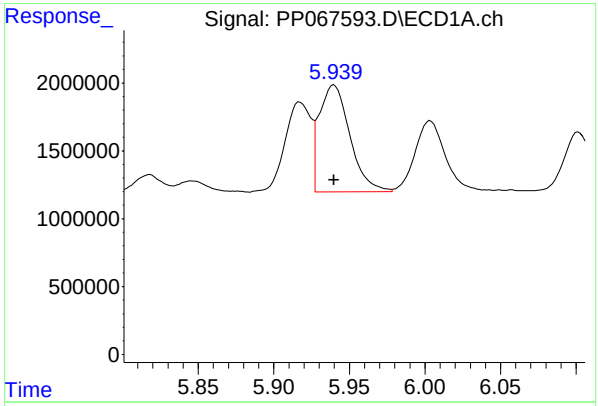
#12 AR-1232-2

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 5891516
Conc: 500.00 ng/ml



#12 AR-1232-2

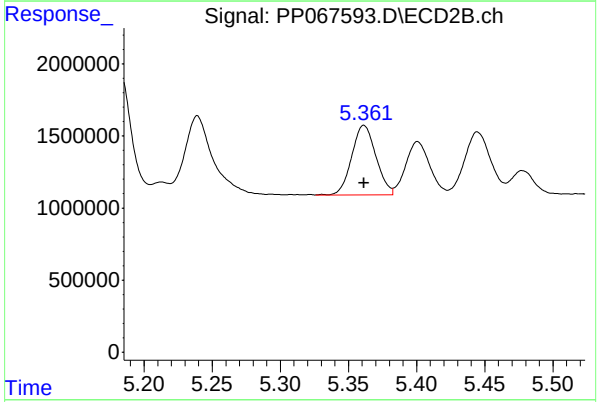
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 11182496
Conc: 500.00 ng/ml



#13 AR-1232-3

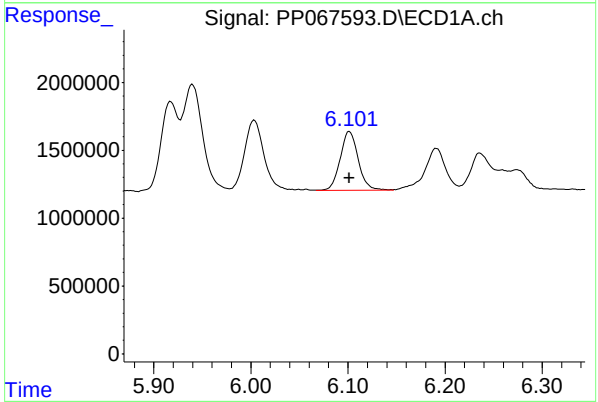
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 11137505
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



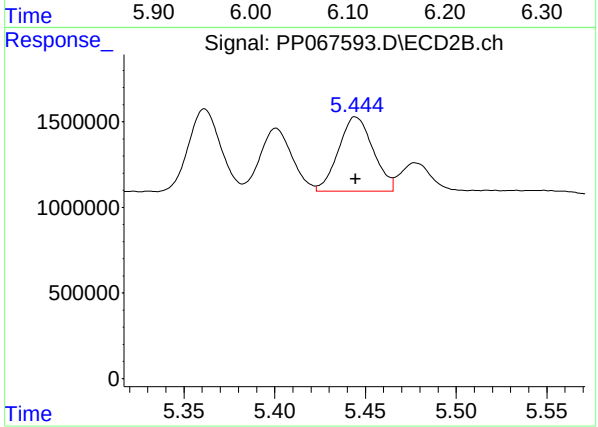
#13 AR-1232-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 5971903
Conc: 500.00 ng/ml



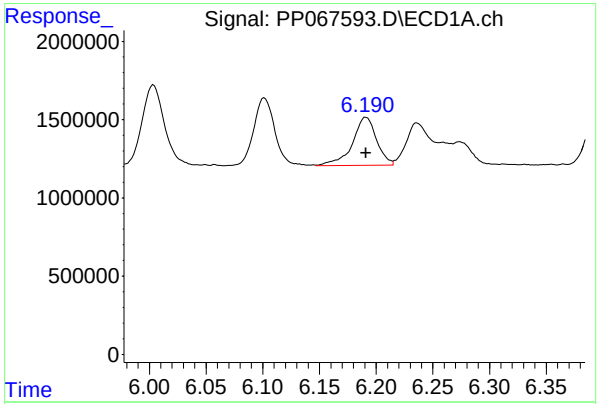
#14 AR-1232-4

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 5643711
Conc: 500.00 ng/ml



#14 AR-1232-4

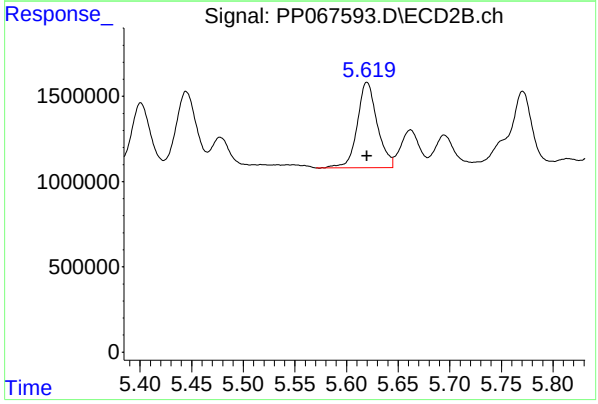
R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 5765679
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 4560092
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 6725151
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.756	4.052	91804577	97931710	92.720	93.408
2)	SA Decachlor...	10.670	9.219	105.0E6	103.1E6	88.700	90.096
	Target Compounds						
16)	L4 AR-1242-1	5.920	5.161	26136486	26643227	904.997	885.672
17)	L4 AR-1242-2	5.942	5.181	37560737	37173910	898.084	909.892
18)	L4 AR-1242-3	6.006	5.361	24775066	21209836	896.770	906.817
19)	L4 AR-1242-4	6.104	5.445	19919938	21894421	904.626	888.797
20)	L4 AR-1242-5	6.838	5.974	22664411	25904963	925.292	897.607

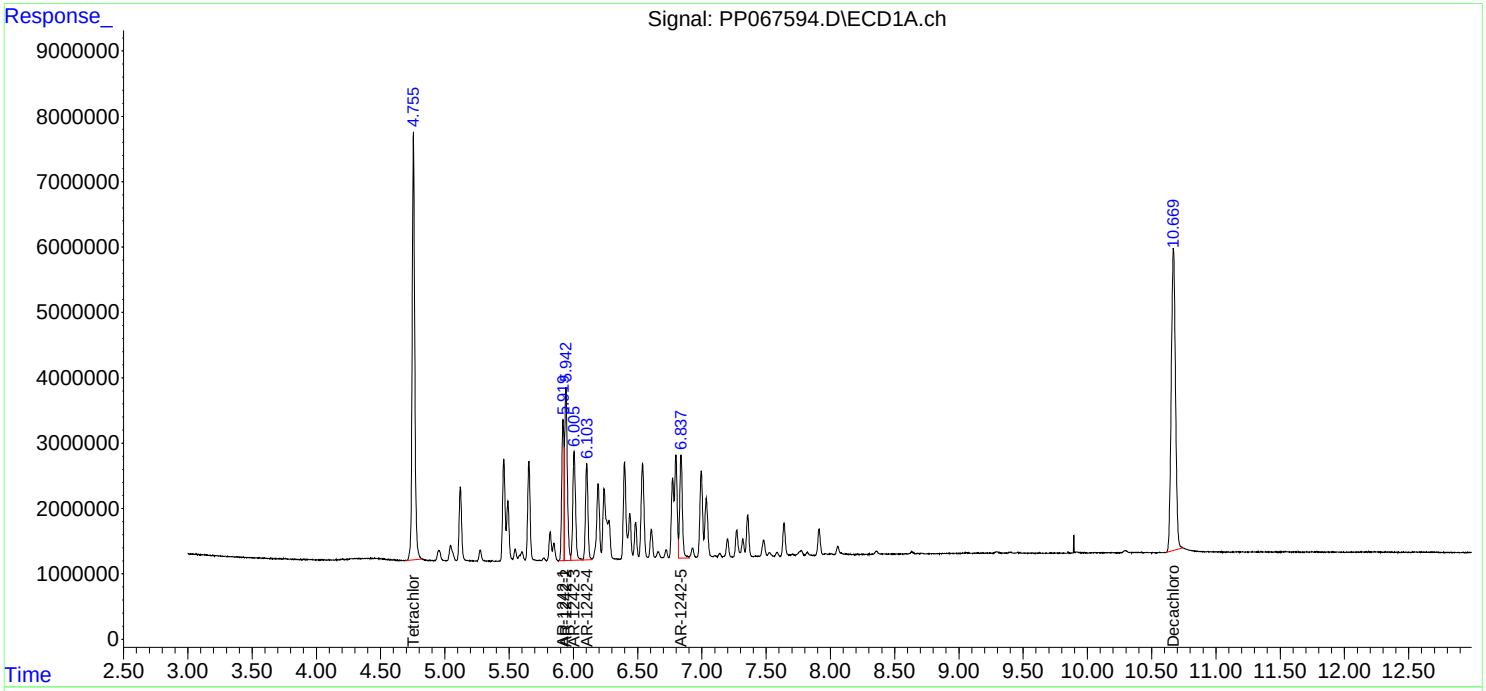
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

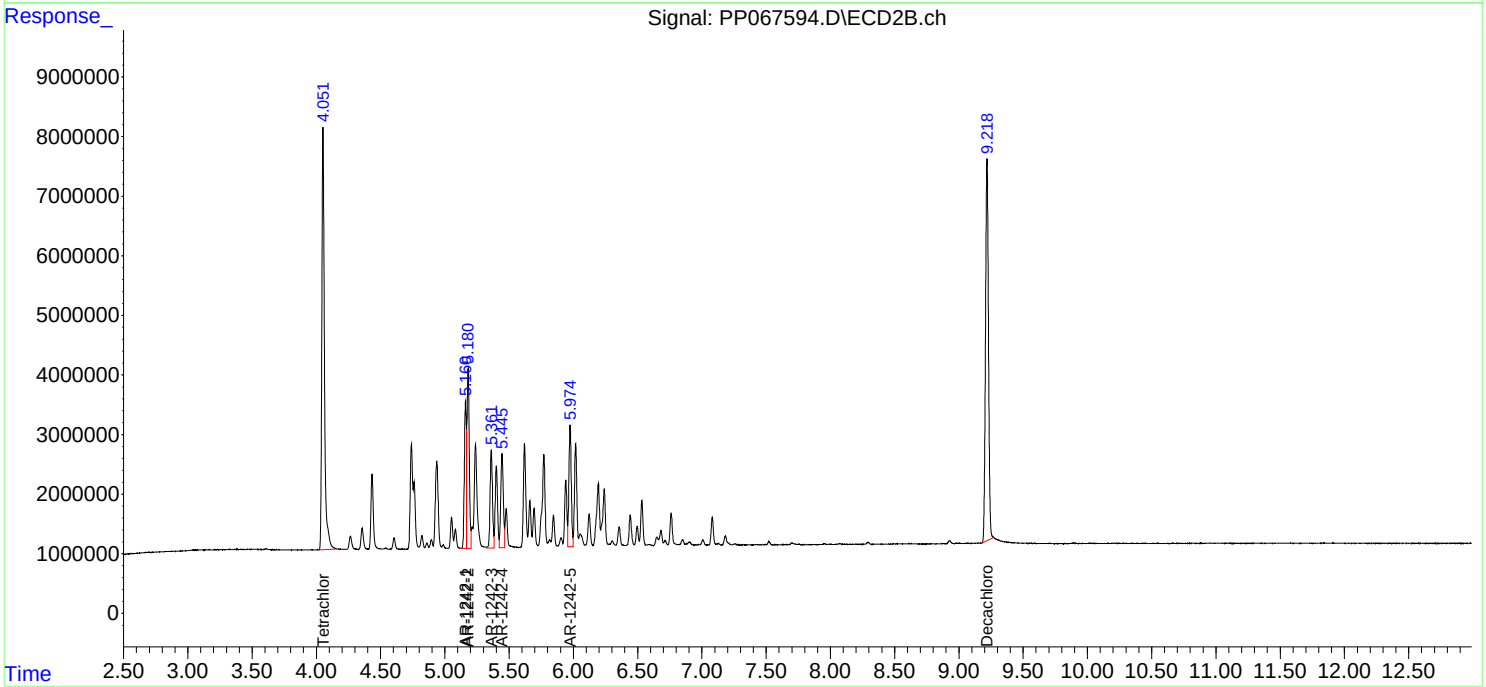
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

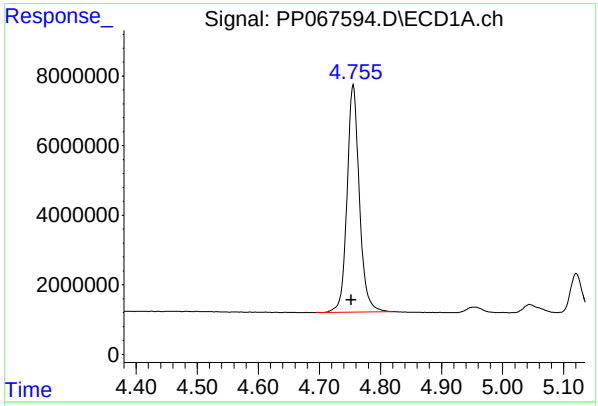
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



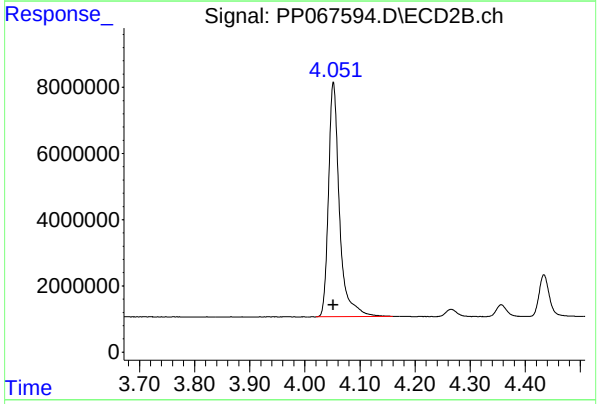




#1 Tetrachloro-m-xylene

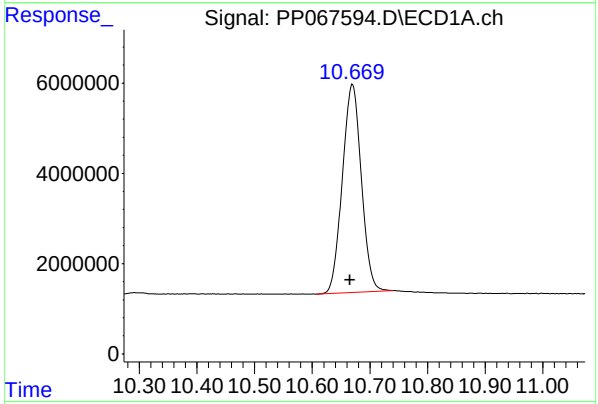
R.T.: 4.756 min
Delta R.T.: 0.004 min
Response: 91804577
Conc: 92.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



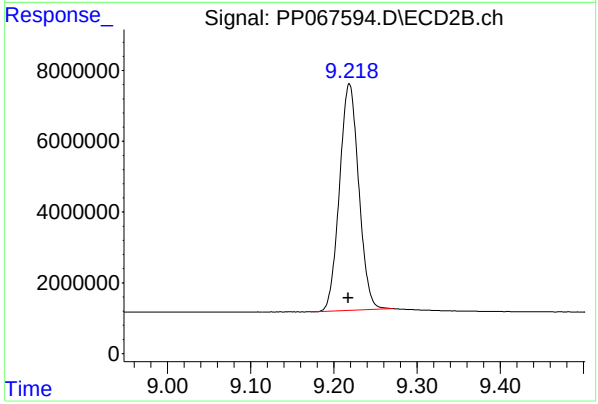
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 97931710
Conc: 93.41 ng/ml



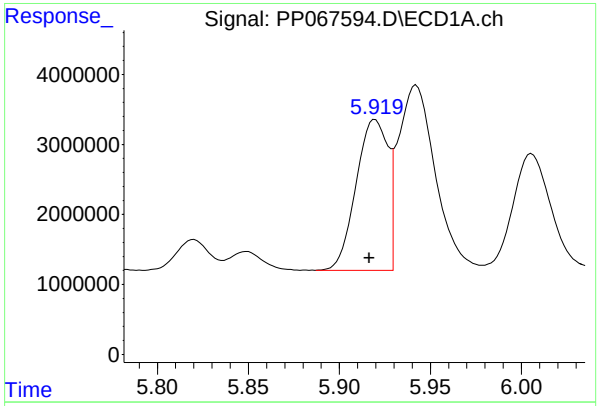
#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.004 min
Response: 104984650
Conc: 88.70 ng/ml



#2 Decachlorobiphenyl

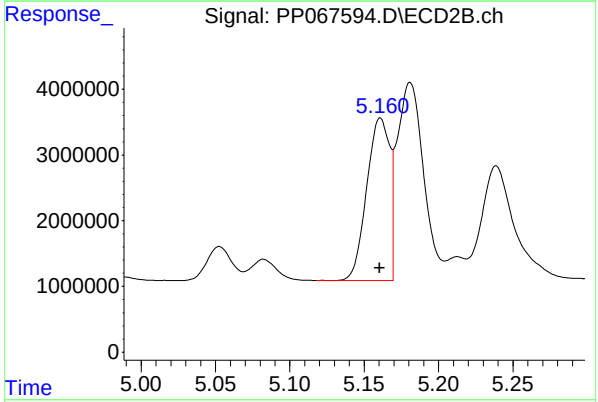
R.T.: 9.219 min
Delta R.T.: 0.001 min
Response: 103087366
Conc: 90.10 ng/ml



#16 AR-1242-1

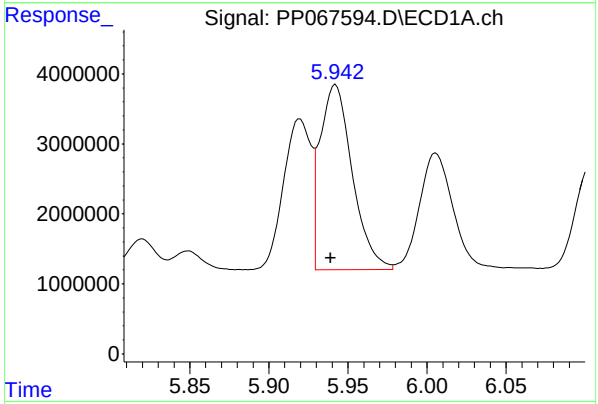
R.T.: 5.920 min
Delta R.T.: 0.003 min
Response: 26136486
Conc: 905.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



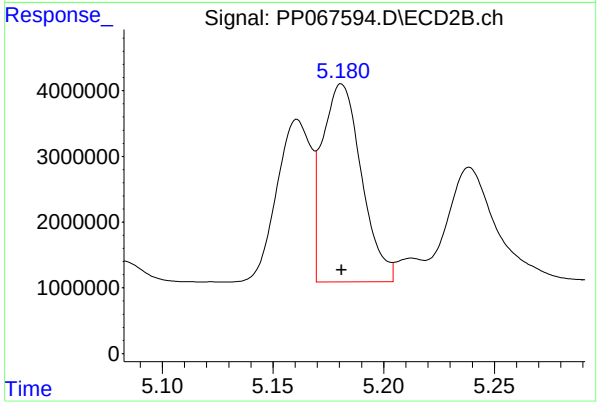
#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 26643227
Conc: 885.67 ng/ml



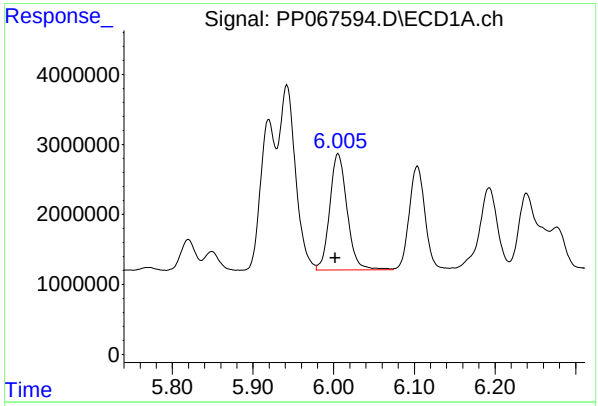
#17 AR-1242-2

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 37560737
Conc: 898.08 ng/ml



#17 AR-1242-2

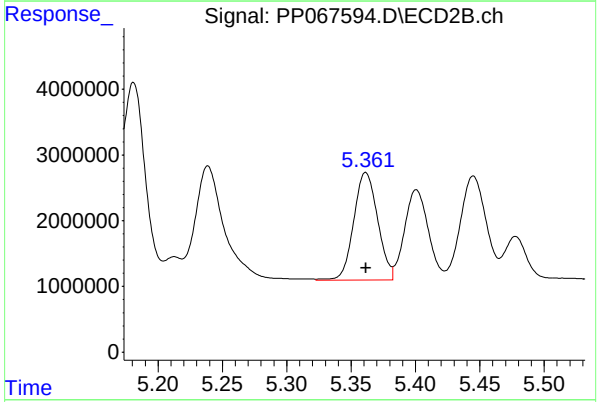
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 37173910
Conc: 909.89 ng/ml



#18 AR-1242-3

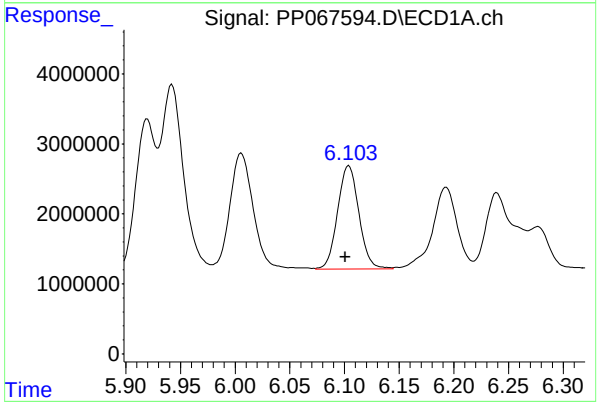
R.T.: 6.006 min
Delta R.T.: 0.004 min
Response: 24775066
Conc: 896.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



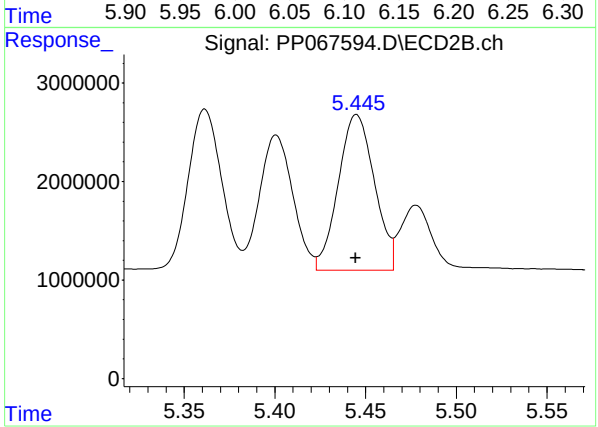
#18 AR-1242-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 21209836
Conc: 906.82 ng/ml



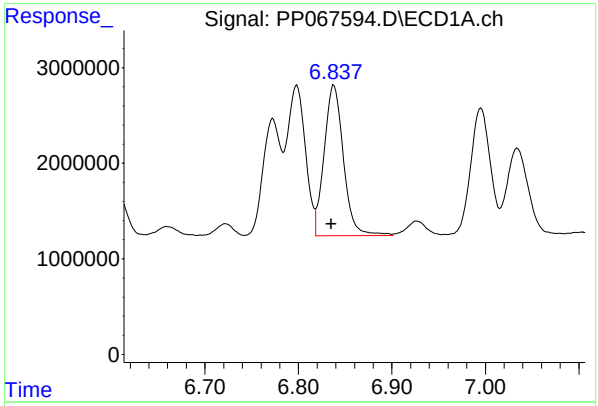
#19 AR-1242-4

R.T.: 6.104 min
Delta R.T.: 0.003 min
Response: 19919938
Conc: 904.63 ng/ml



#19 AR-1242-4

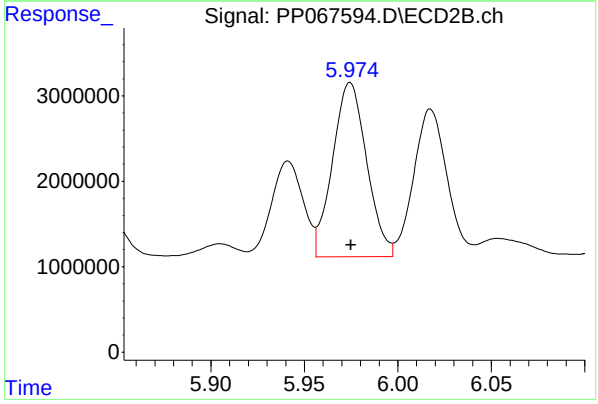
R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 21894421
Conc: 888.80 ng/ml



#20 AR-1242-5

R.T.: 6.838 min
Delta R.T.: 0.003 min
Response: 22664411
Conc: 925.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 25904963
Conc: 897.61 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.755	4.052	70898933	75665842	71.606	72.171
2)	SA Decachlor...	10.668	9.219	82232389	80586319	69.477	70.430
	Target Compounds						
16)	L4 AR-1242-1	5.919	5.161	20265133	20927105	701.697	695.657
17)	L4 AR-1242-2	5.942	5.181	29640040	28743138	708.698	703.535
18)	L4 AR-1242-3	6.005	5.362	19473731	16384813	704.881	700.525
19)	L4 AR-1242-4	6.104	5.445	15657914	17086039	711.074	693.602
20)	L4 AR-1242-5	6.838	5.975	17483030	20589128	713.758	713.413

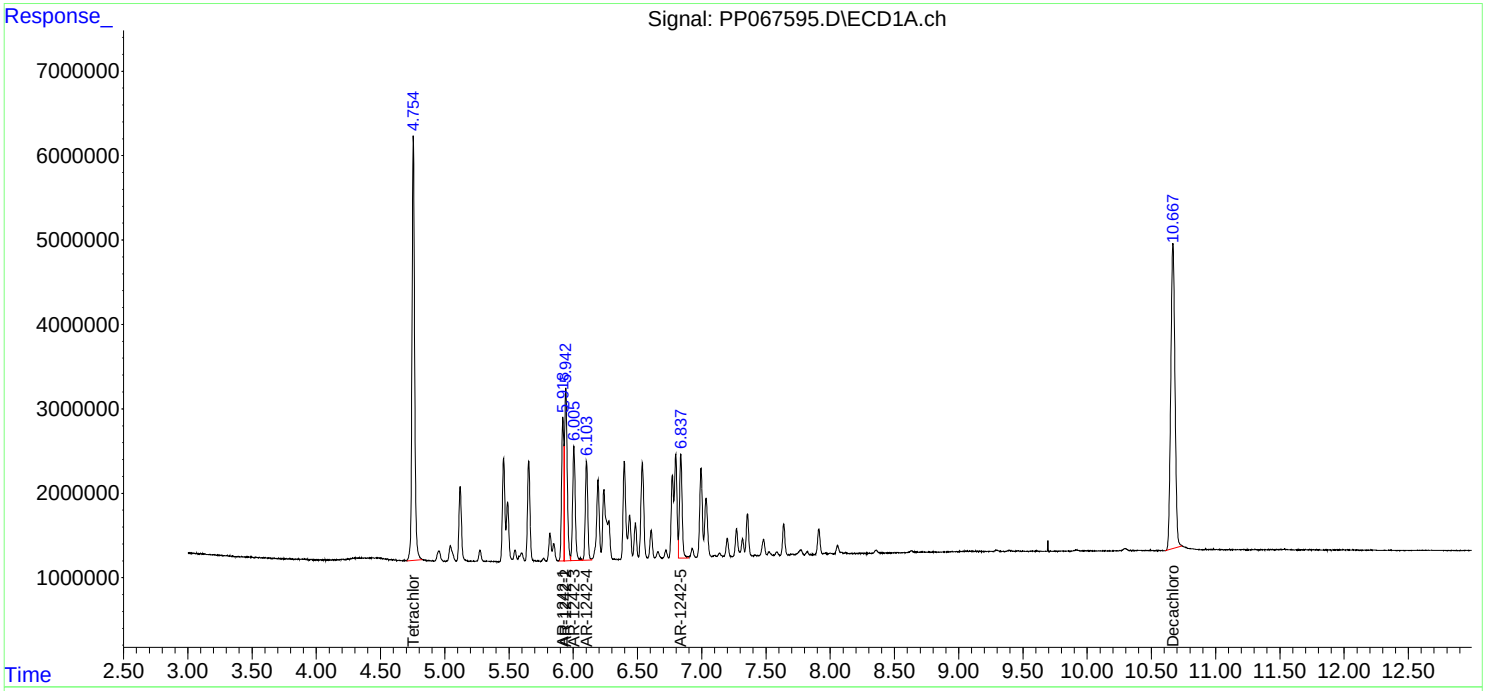
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

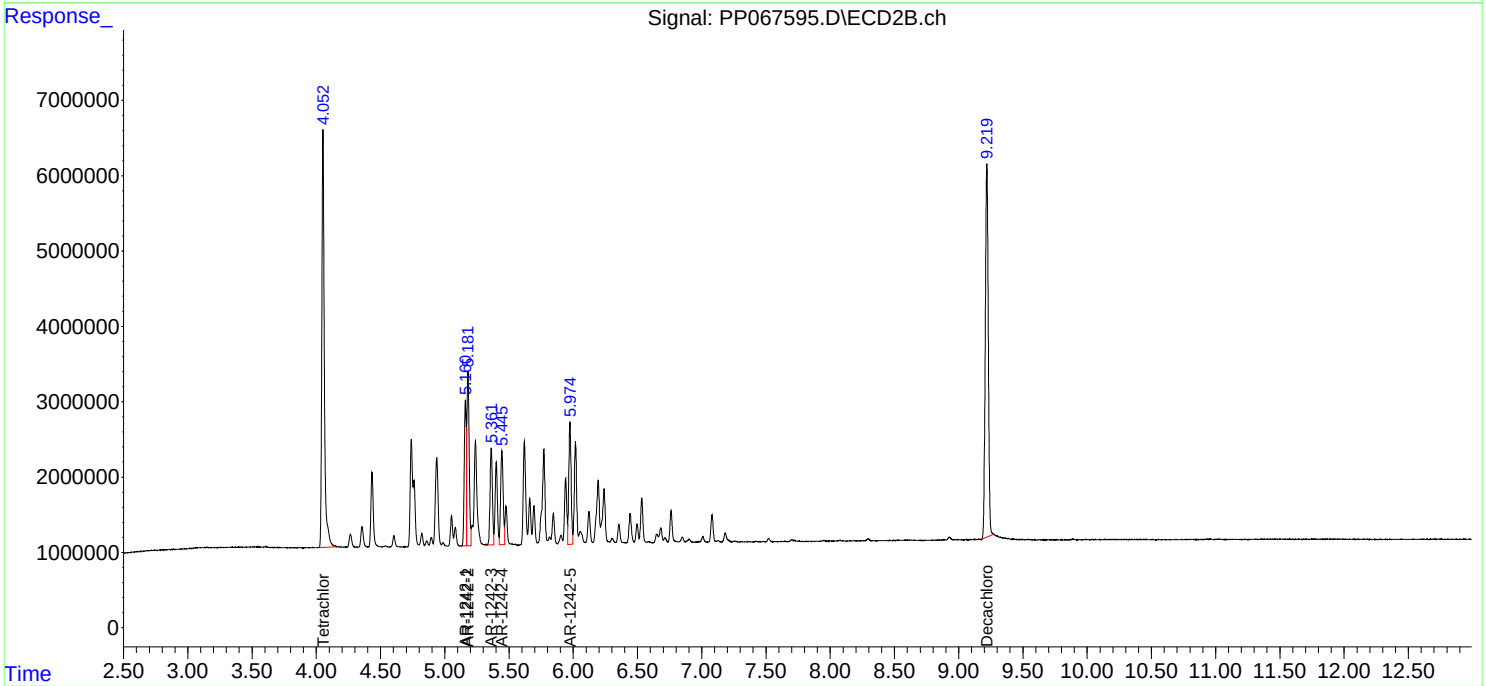
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

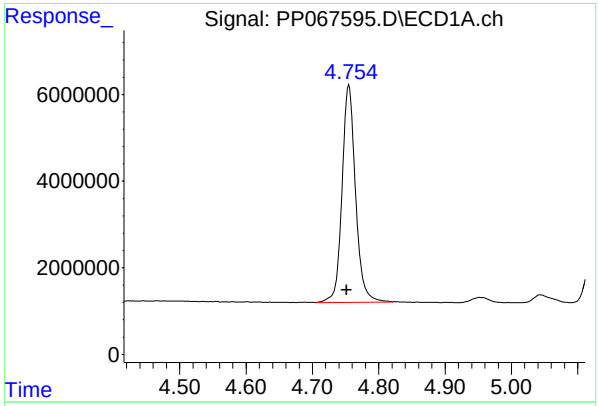
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



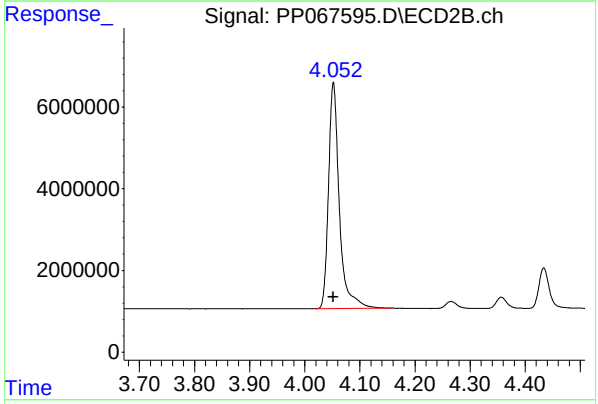




#1 Tetrachloro-m-xylene

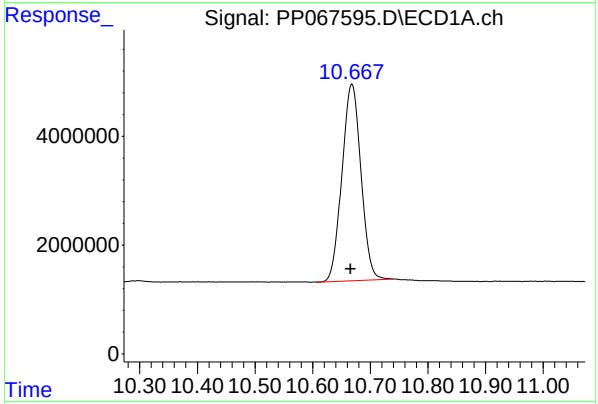
R.T.: 4.755 min
Delta R.T.: 0.003 min
Response: 70898933
Conc: 71.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



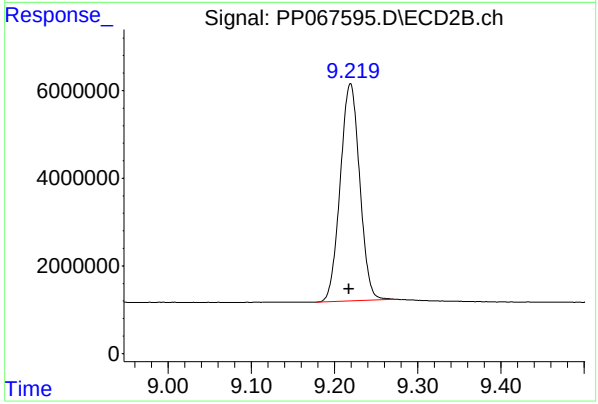
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 75665842
Conc: 72.17 ng/ml



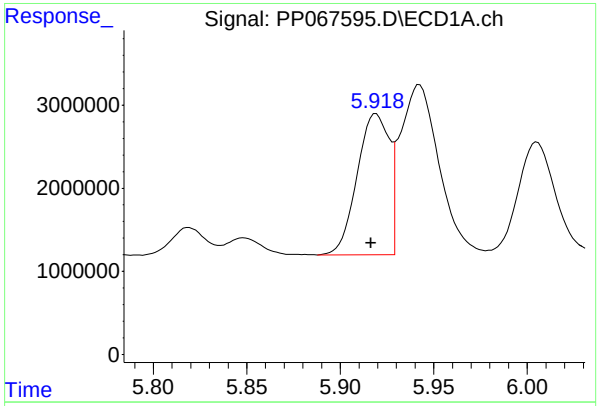
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.002 min
Response: 82232389
Conc: 69.48 ng/ml



#2 Decachlorobiphenyl

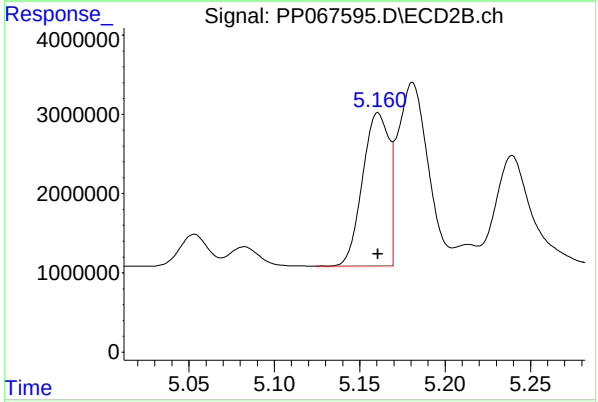
R.T.: 9.219 min
Delta R.T.: 0.002 min
Response: 80586319
Conc: 70.43 ng/ml



#16 AR-1242-1

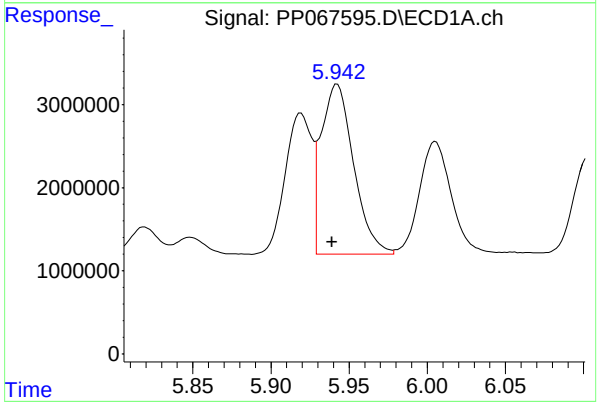
R.T.: 5.919 min
Delta R.T.: 0.003 min
Response: 20265133
Conc: 701.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



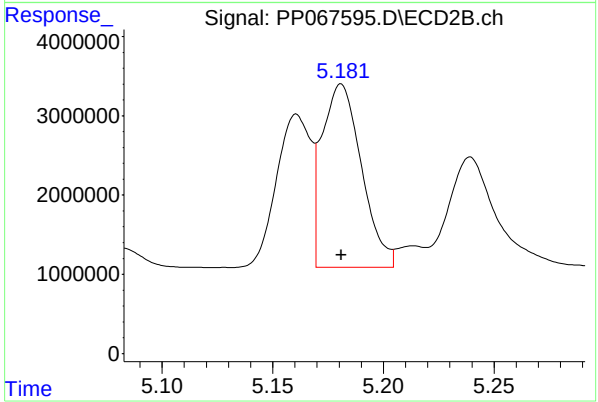
#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 20927105
Conc: 695.66 ng/ml



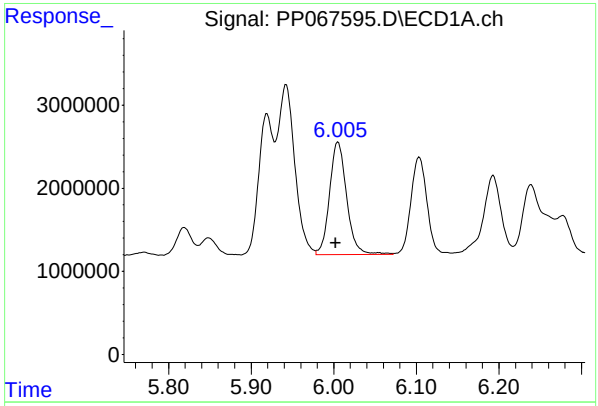
#17 AR-1242-2

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 29640040
Conc: 708.70 ng/ml



#17 AR-1242-2

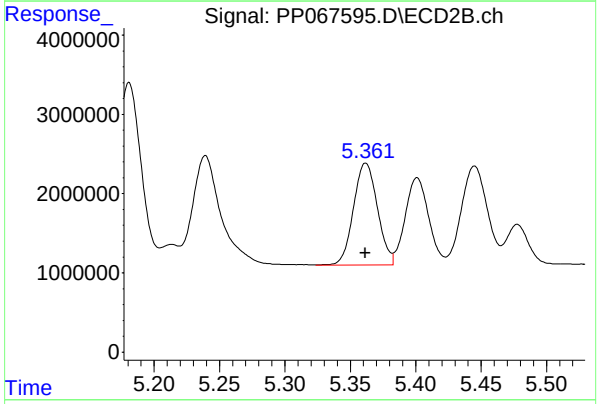
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 28743138
Conc: 703.54 ng/ml



#18 AR-1242-3

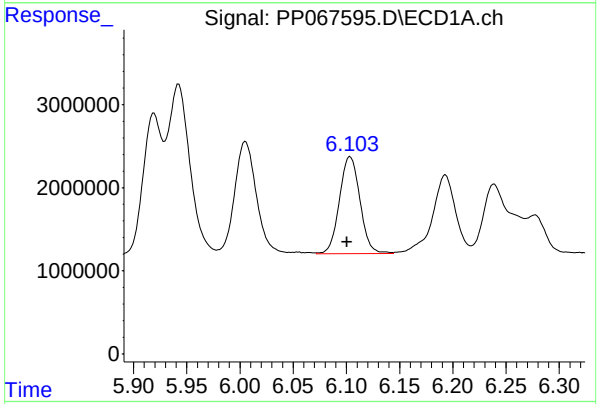
R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 19473731
Conc: 704.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



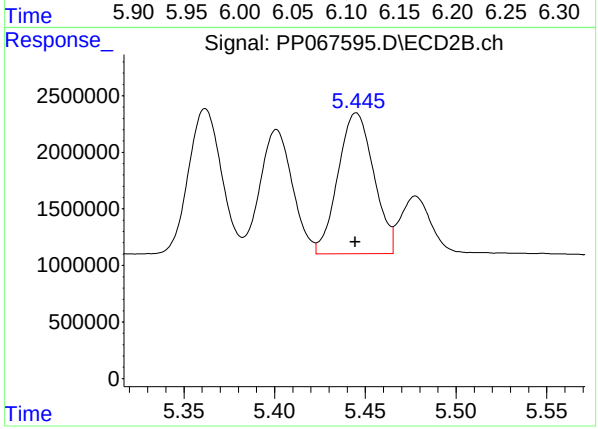
#18 AR-1242-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 16384813
Conc: 700.53 ng/ml



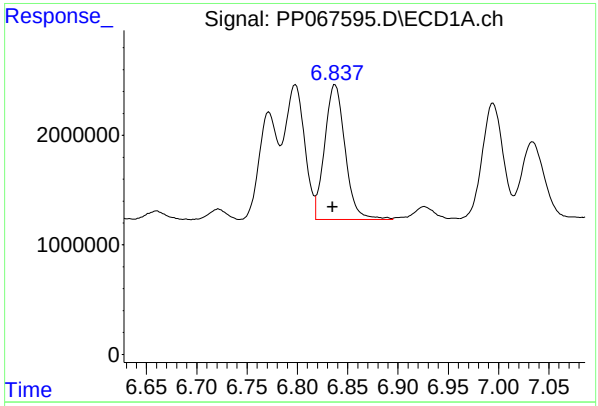
#19 AR-1242-4

R.T.: 6.104 min
Delta R.T.: 0.003 min
Response: 15657914
Conc: 711.07 ng/ml



#19 AR-1242-4

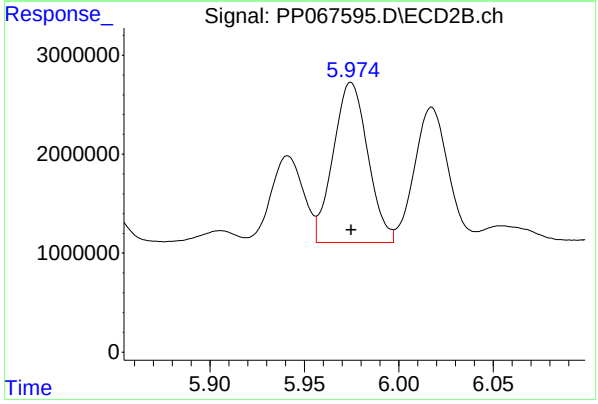
R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 17086039
Conc: 693.60 ng/ml



#20 AR-1242-5

R.T.: 6.838 min
Delta R.T.: 0.002 min
Response: 17483030
Conc: 713.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 20589128
Conc: 713.41 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.052	49591914	52421301	50.087m	50.000
2)	SA Decachlor...	10.666	9.218	59179513	57209957	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.916	5.161	14440091	15041243	500.000	500.000
17)	L4 AR-1242-2	5.939	5.181	20911603	20427651	500.000	500.000
18)	L4 AR-1242-3	6.002	5.362	13813496	11694665	500.000	500.000
19)	L4 AR-1242-4	6.101	5.445	11010041	12316890	500.000	500.000
20)	L4 AR-1242-5	6.835	5.975	12247163	14430019	500.000	500.000

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

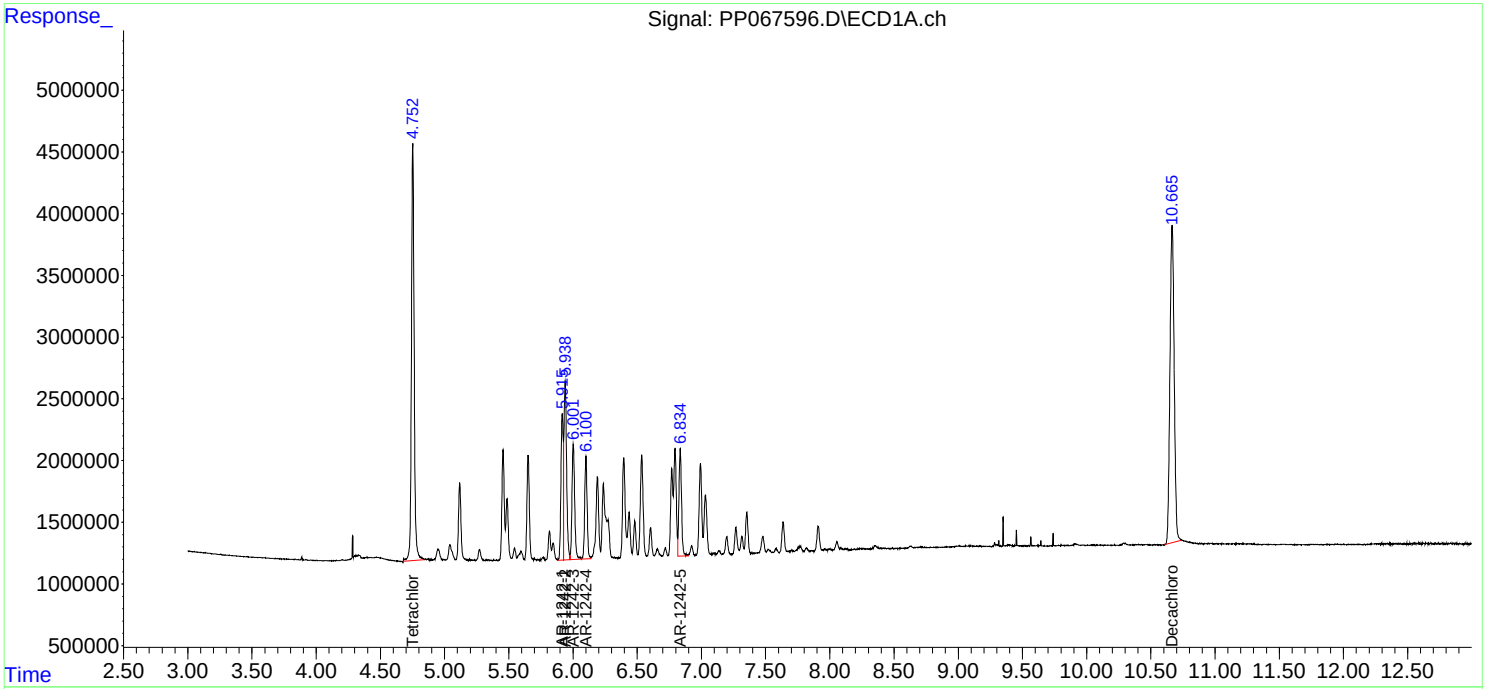
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

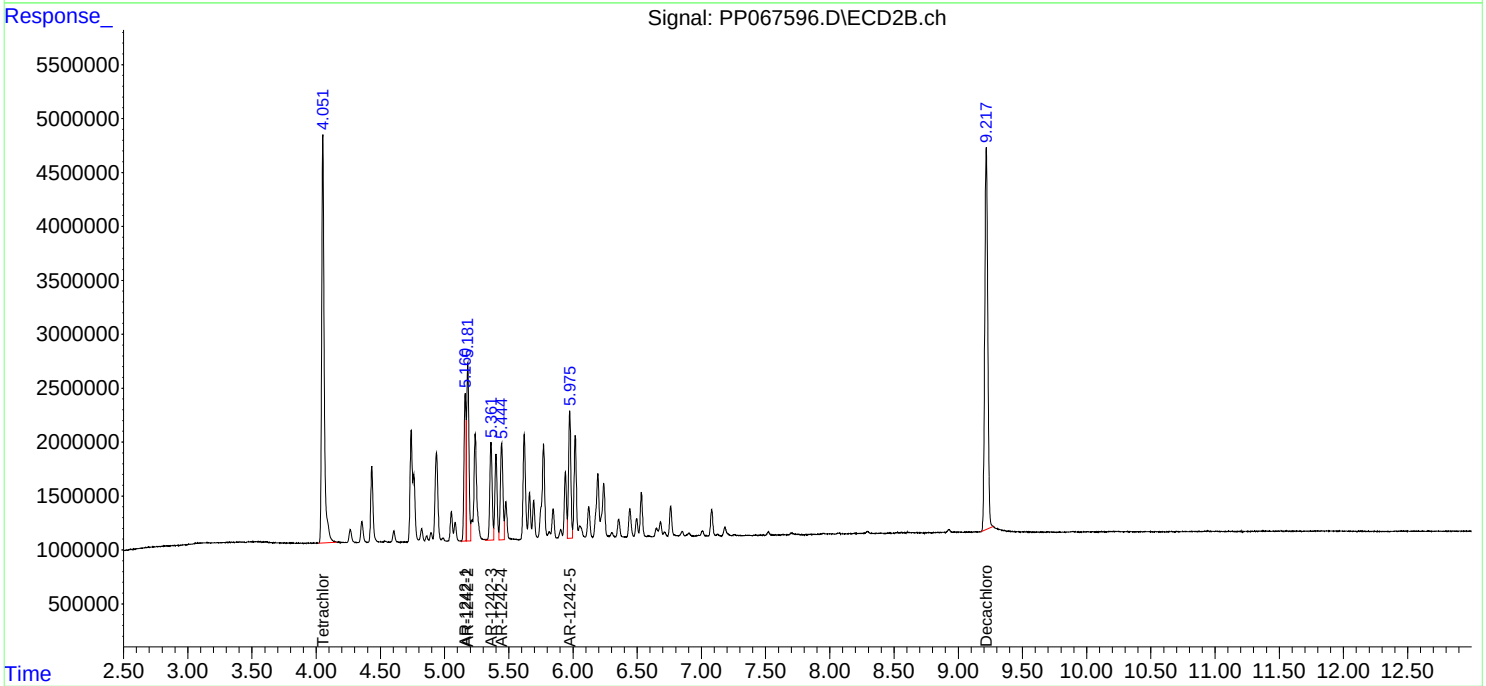
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

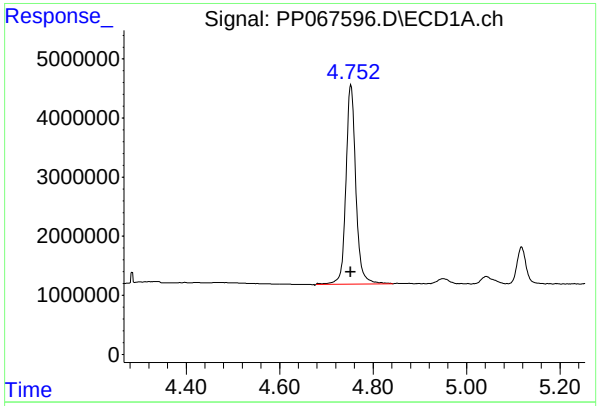
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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







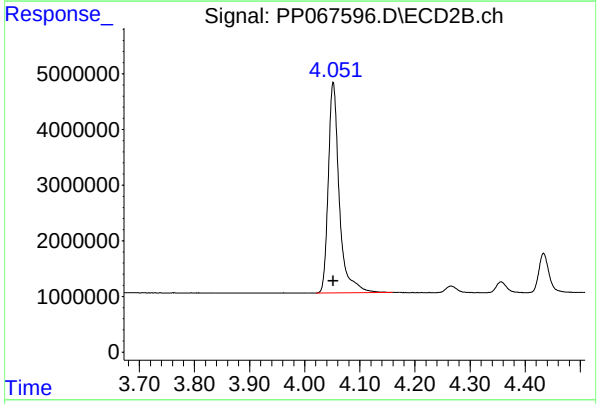
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: 0.000 min
Response: 49591914
Conc: 50.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

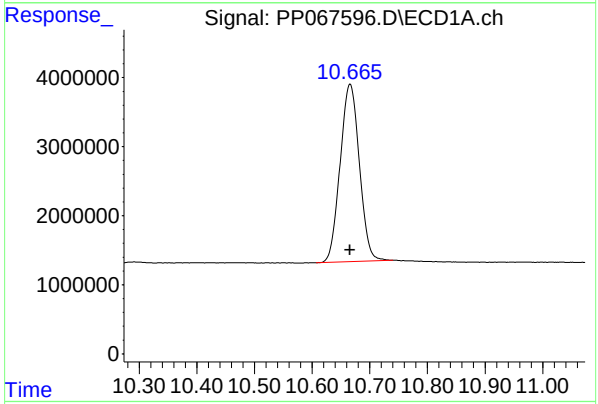
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



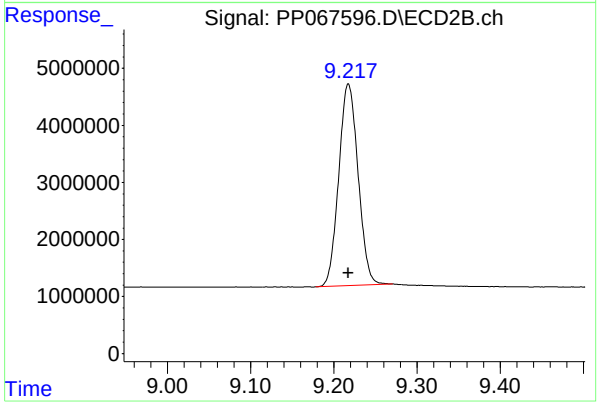
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 52421301
Conc: 50.00 ng/ml



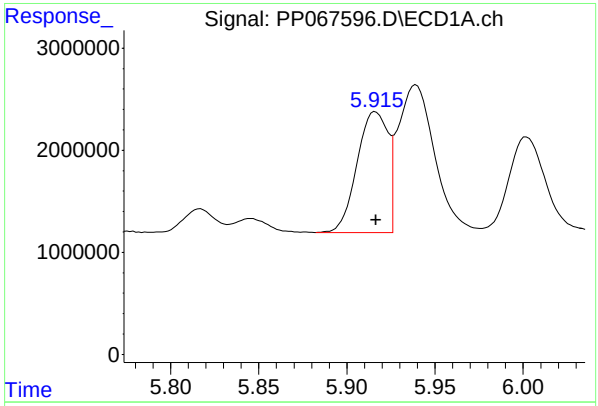
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 59179513
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 57209957
Conc: 50.00 ng/ml



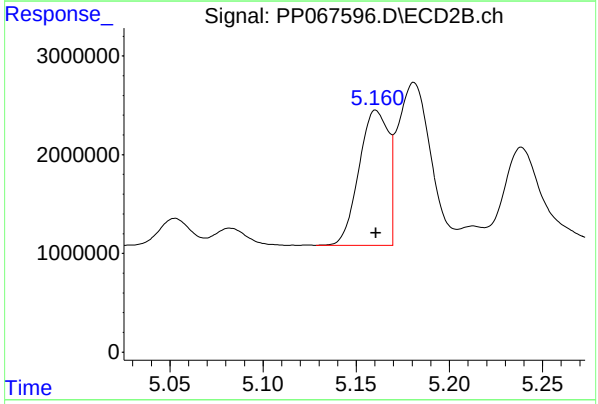
#16 AR-1242-1

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 14440091
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

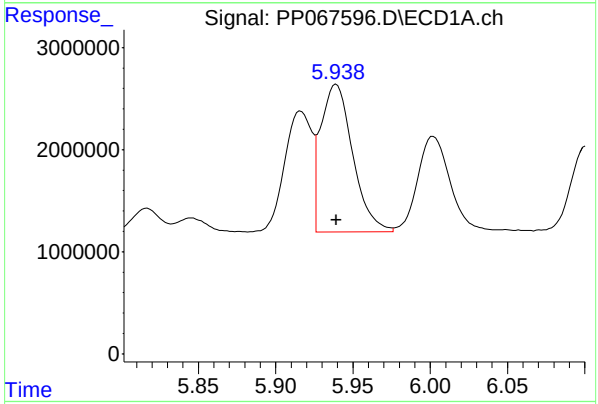
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



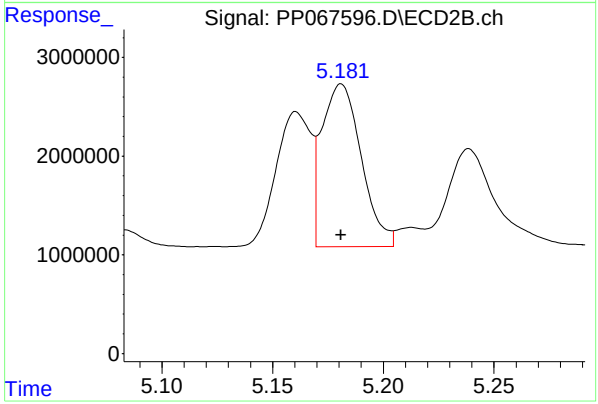
#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 15041243
Conc: 500.00 ng/ml



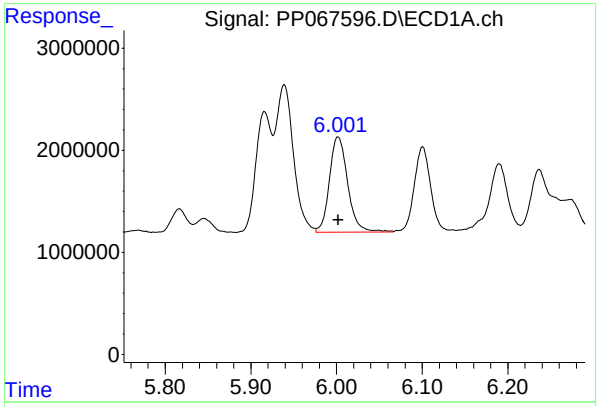
#17 AR-1242-2

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 20911603
Conc: 500.00 ng/ml



#17 AR-1242-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 20427651
Conc: 500.00 ng/ml



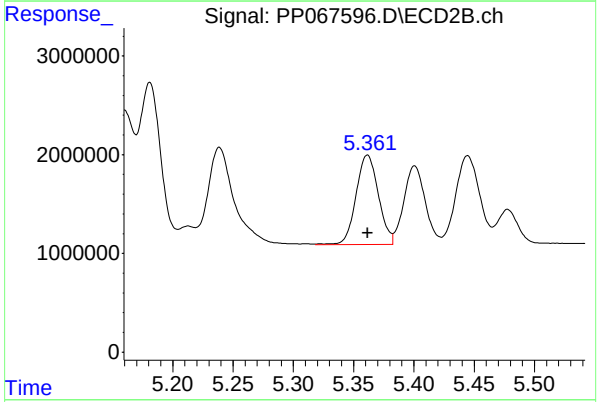
#18 AR-1242-3

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 13813496
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

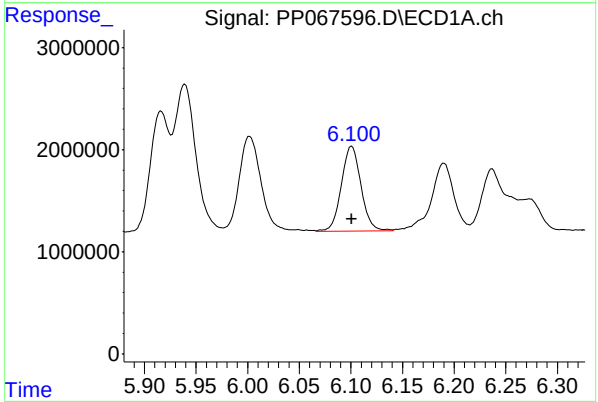
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



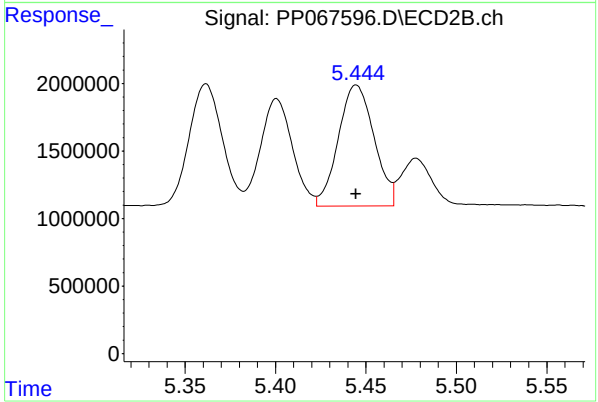
#18 AR-1242-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 11694665
Conc: 500.00 ng/ml



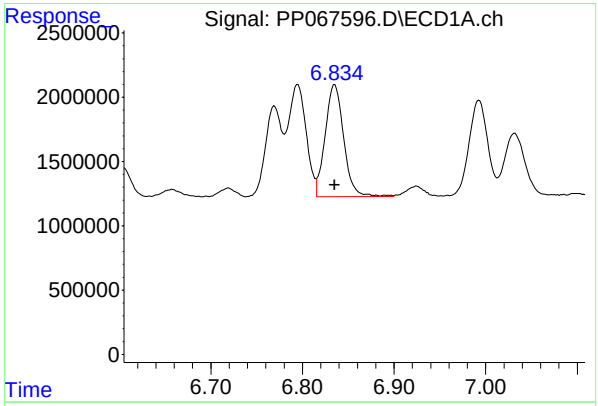
#19 AR-1242-4

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 11010041
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 12316890
Conc: 500.00 ng/ml



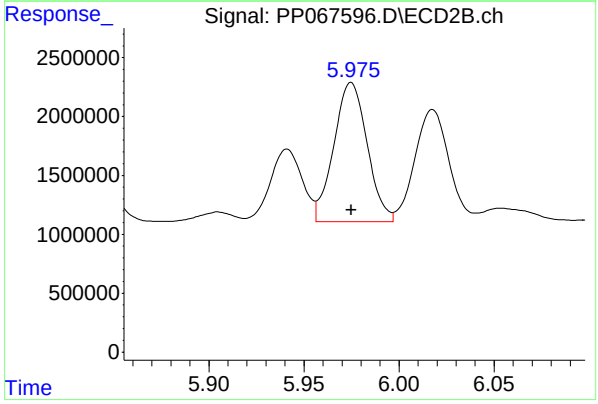
#20 AR-1242-5

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 12247163
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#20 AR-1242-5

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 14430019
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.755	4.051	24714146	26992640	24.961	25.746
2)	SA Decachlor...	10.666	9.218	31835407	30686591	26.897	26.819
	Target Compounds						
16)	L4 AR-1242-1	5.919	5.160	7532960	7966048	260.835	264.807
17)	L4 AR-1242-2	5.942	5.181	10856012	10764640	259.569	263.482
18)	L4 AR-1242-3	6.005	5.361	7003429	5902002	253.500	252.337
19)	L4 AR-1242-4	6.103	5.444	5549729	6325659	252.030	256.788
20)	L4 AR-1242-5	6.837	5.974	6362457	7698031	259.752	266.737

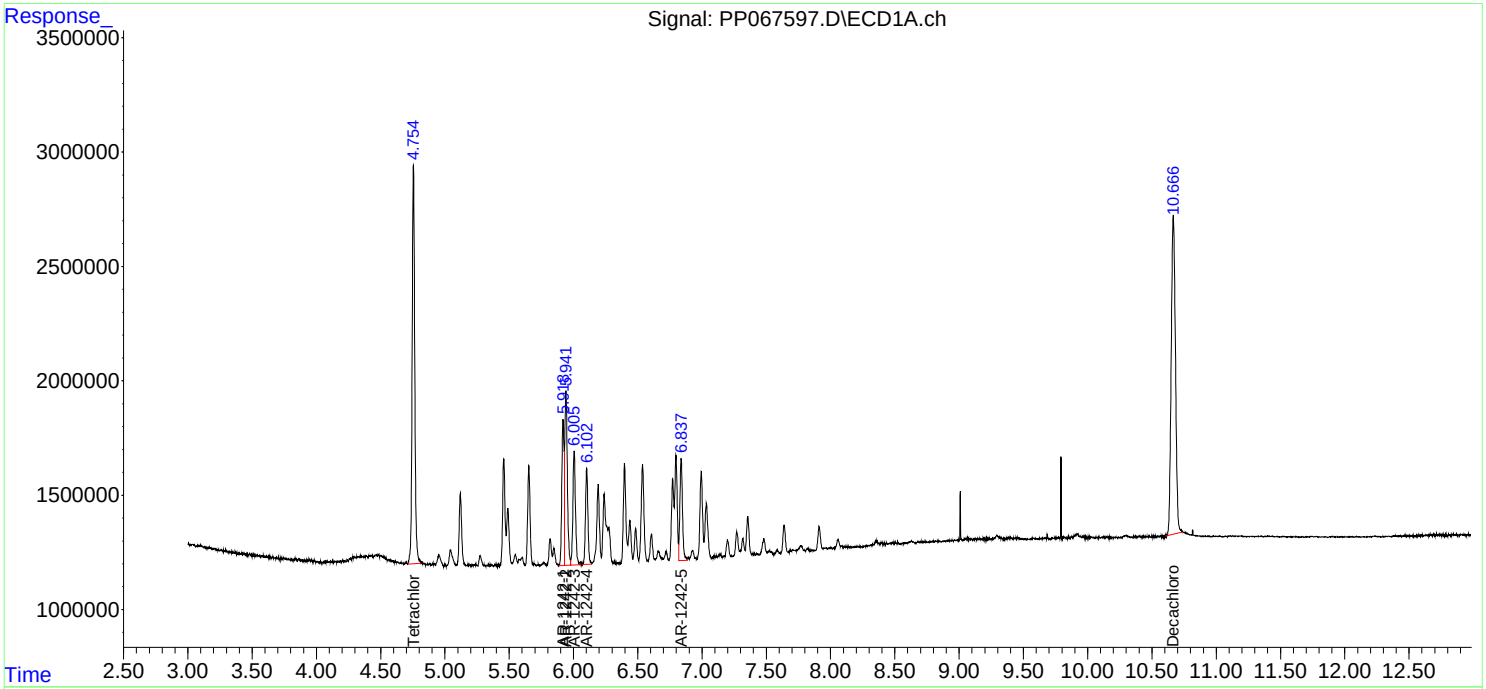
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

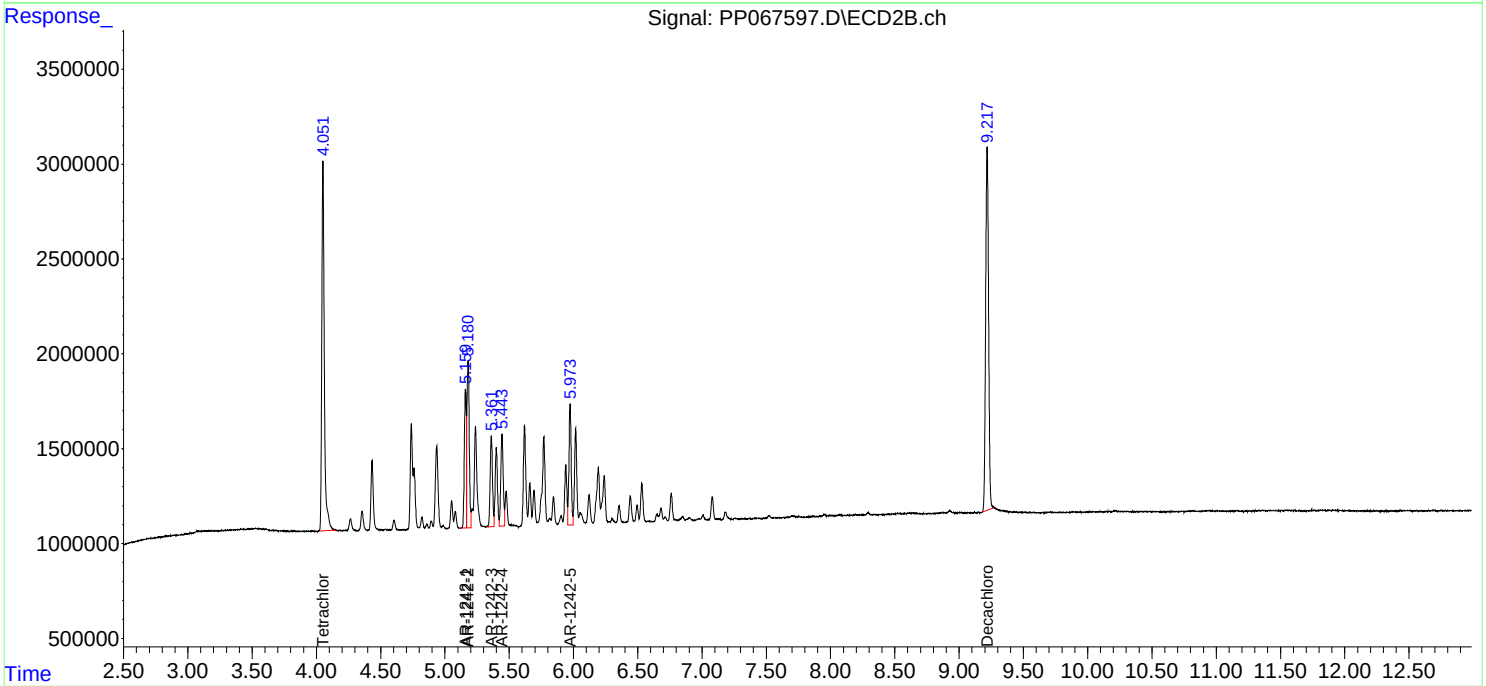
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

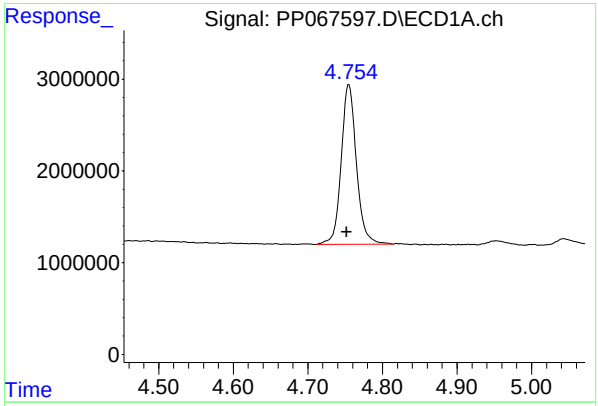
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



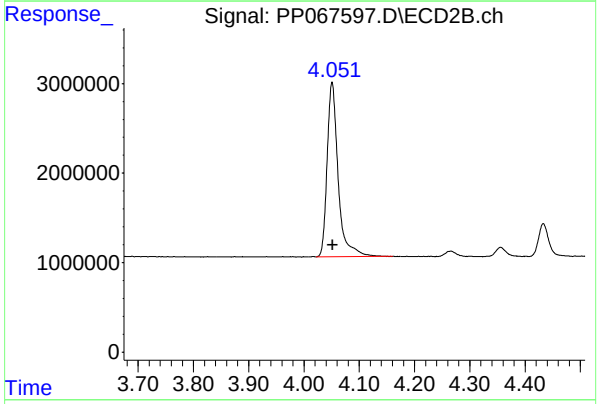




#1 Tetrachloro-m-xylene

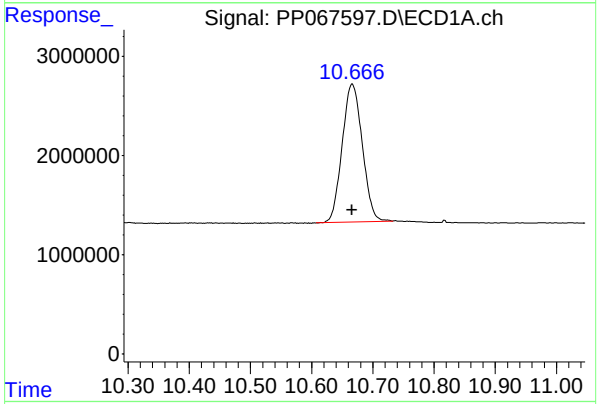
R.T.: 4.755 min
Delta R.T.: 0.003 min
Response: 24714146
Conc: 24.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



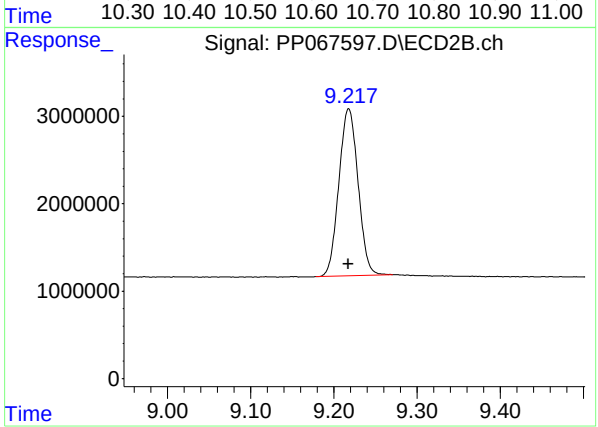
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 26992640
Conc: 25.75 ng/ml



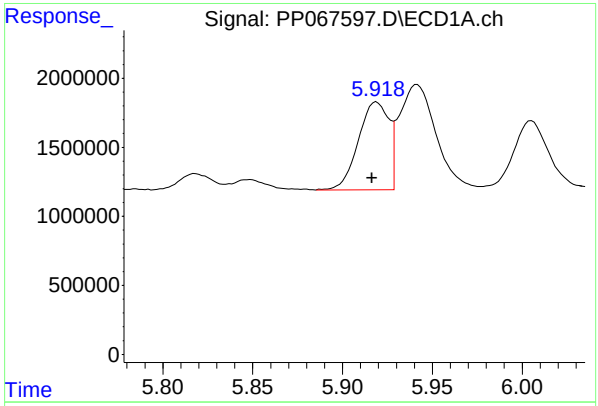
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 31835407
Conc: 26.90 ng/ml



#2 Decachlorobiphenyl

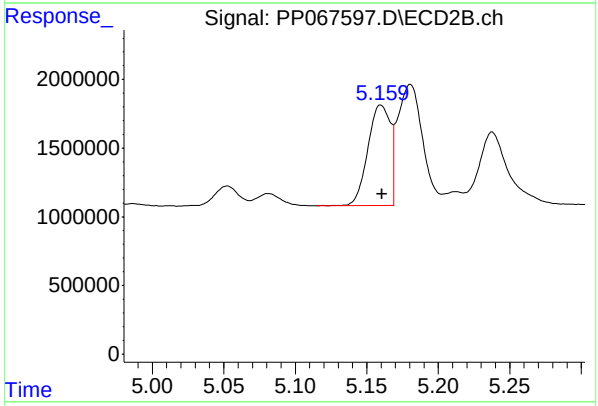
R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 30686591
Conc: 26.82 ng/ml



#16 AR-1242-1

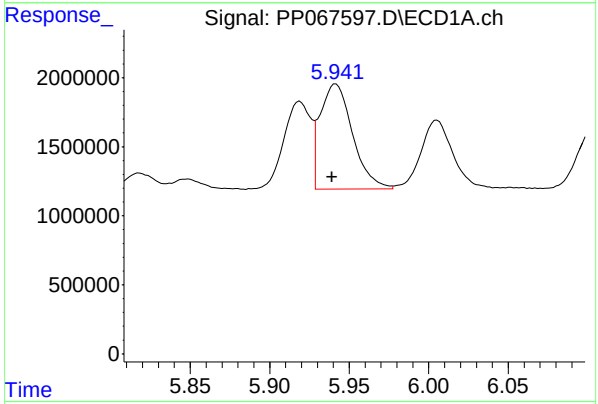
R.T.: 5.919 min
Delta R.T.: 0.003 min
Response: 7532960
Conc: 260.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



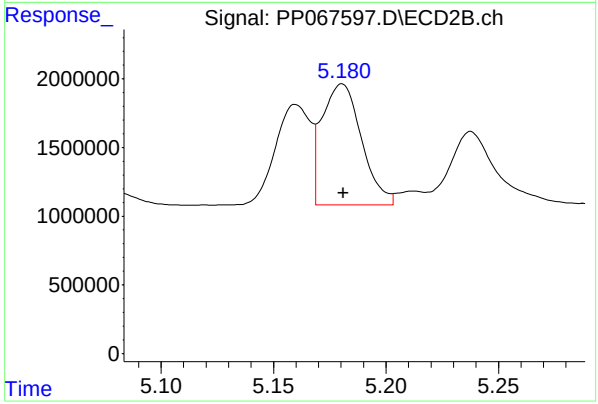
#16 AR-1242-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 7966048
Conc: 264.81 ng/ml



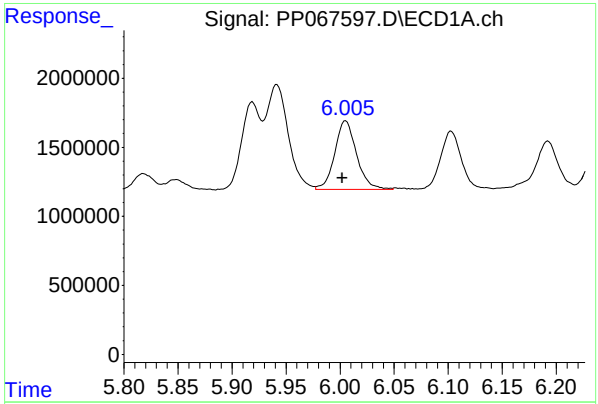
#17 AR-1242-2

R.T.: 5.942 min
Delta R.T.: 0.002 min
Response: 10856012
Conc: 259.57 ng/ml



#17 AR-1242-2

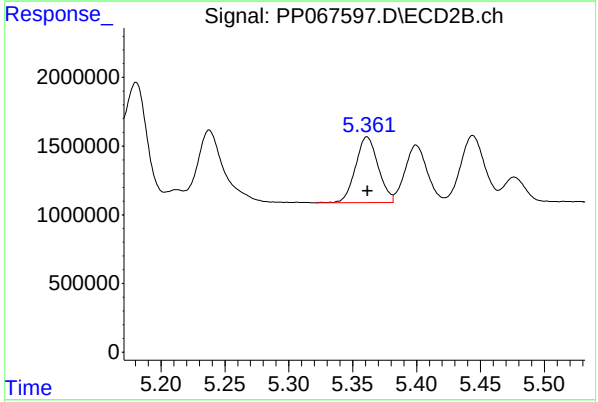
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 10764640
Conc: 263.48 ng/ml



#18 AR-1242-3

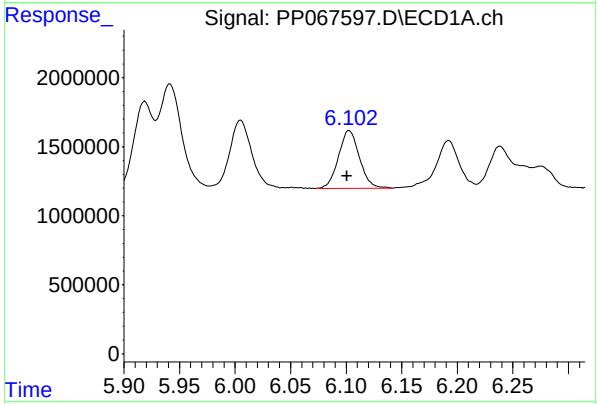
R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 7003429
Conc: 253.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



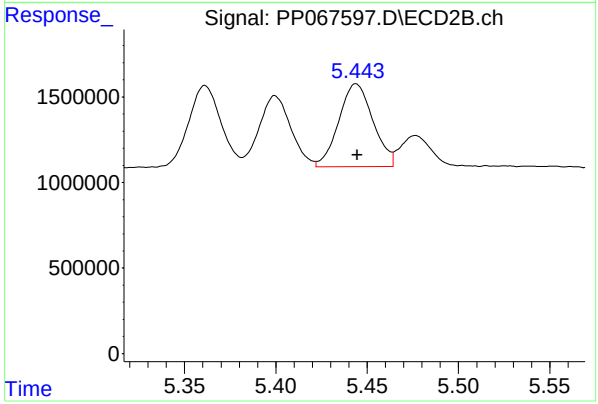
#18 AR-1242-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 5902002
Conc: 252.34 ng/ml



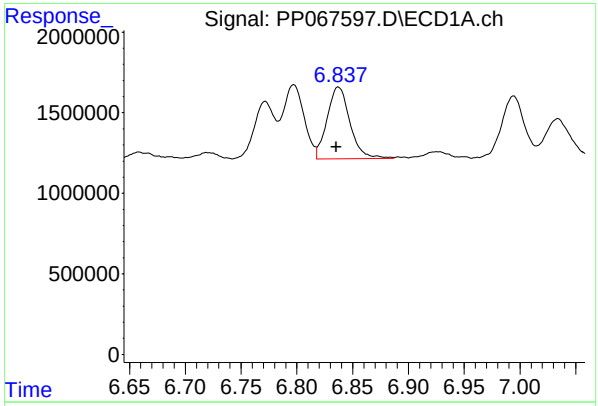
#19 AR-1242-4

R.T.: 6.103 min
Delta R.T.: 0.002 min
Response: 5549729
Conc: 252.03 ng/ml



#19 AR-1242-4

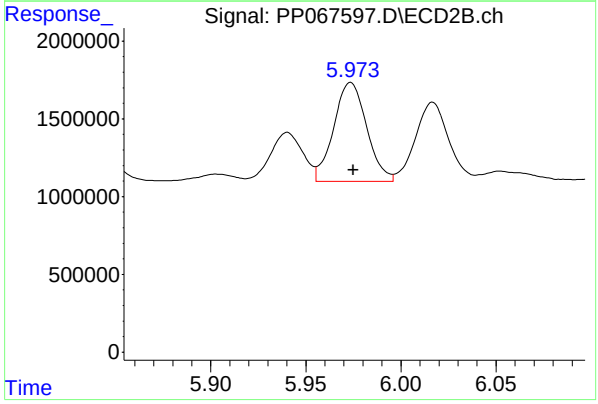
R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 6325659
Conc: 256.79 ng/ml



#20 AR-1242-5

R.T.: 6.837 min
Delta R.T.: 0.002 min
Response: 6362457
Conc: 259.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.974 min
Delta R.T.: -0.001 min
Response: 7698031
Conc: 266.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	4223721	4977037	4.266m	4.747
2)	SA Decachlor...	10.668	9.219	6053974	6041919	5.115	5.280
	Target Compounds						
16)	L4 AR-1242-1	5.918	5.161	1375850	1444472	47.640	48.017
17)	L4 AR-1242-2	5.940	5.181	2042273	2066334	48.831	50.577
18)	L4 AR-1242-3	6.005	5.362	1422150	1121076	51.477	47.931
19)	L4 AR-1242-4	6.103	5.445	1111811	1203814	50.491	48.868
20)	L4 AR-1242-5	6.836	5.975	1235510	1511927	50.441	52.388

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

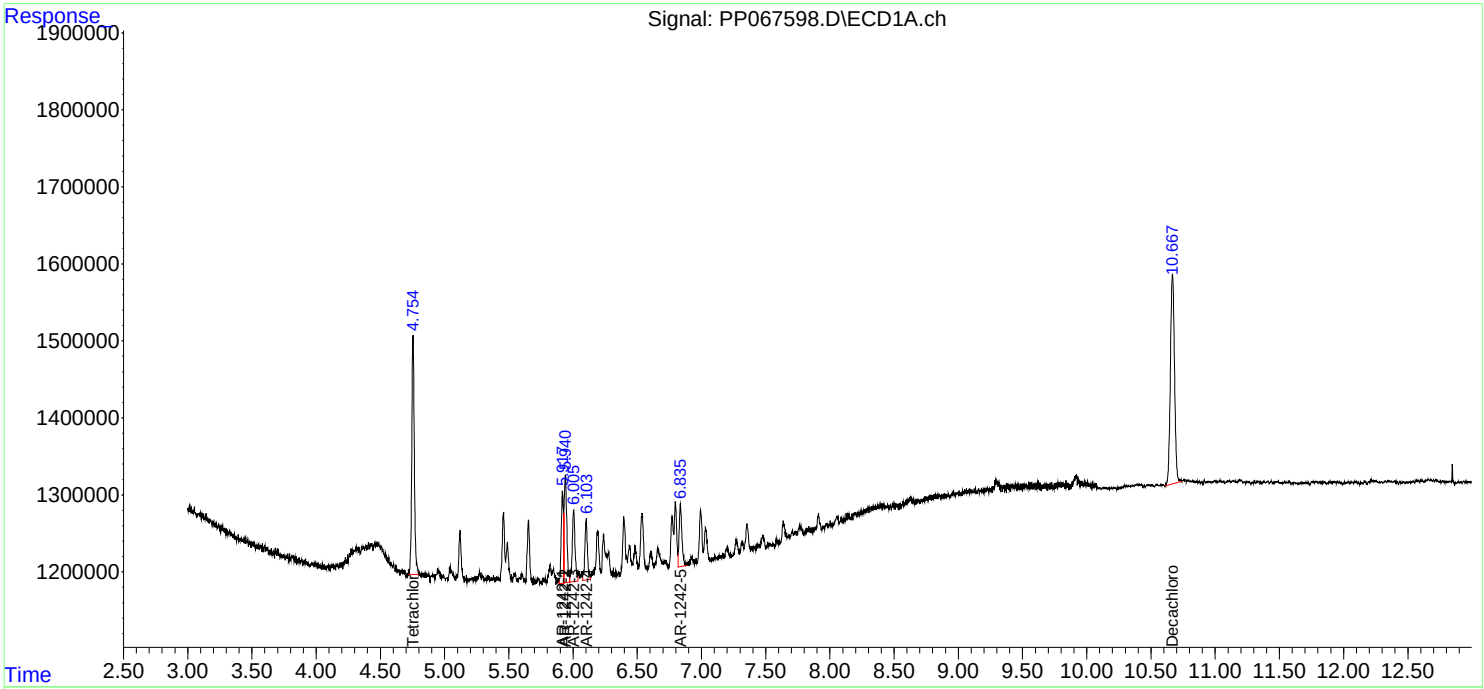
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

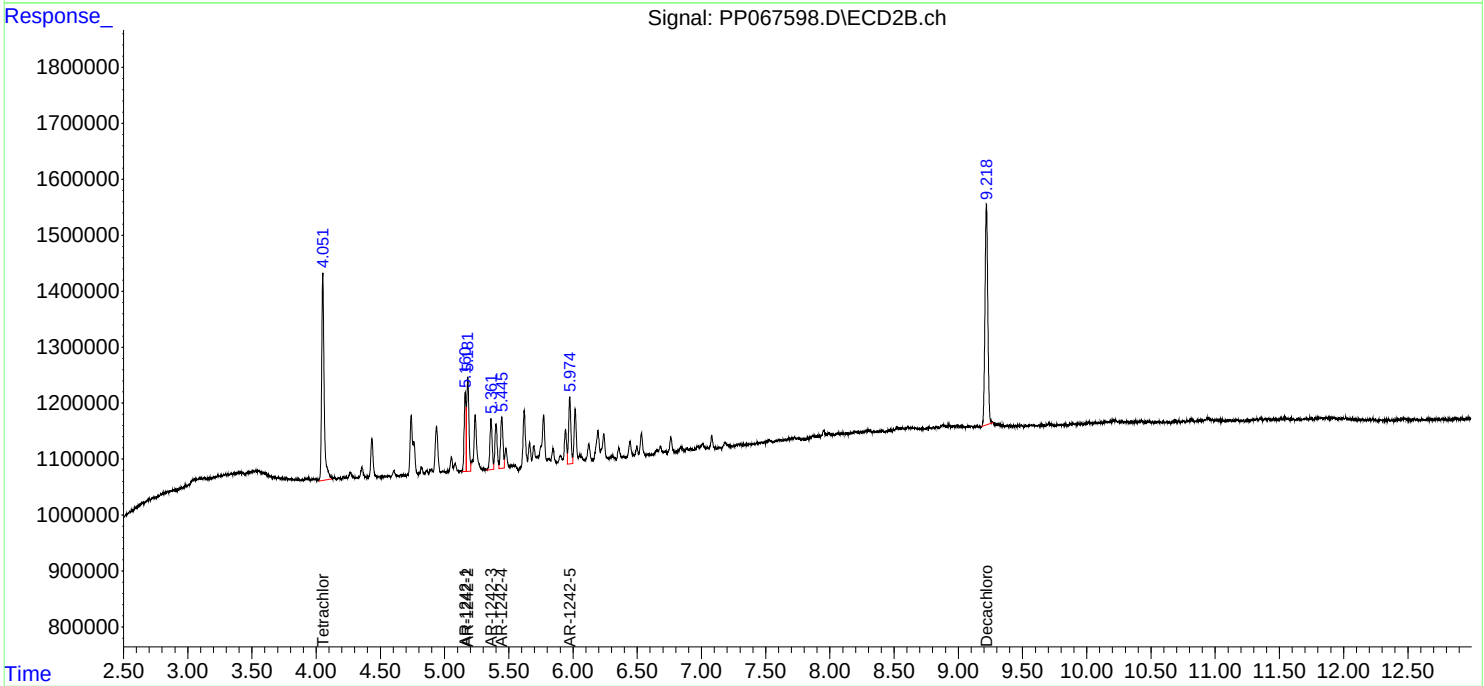
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

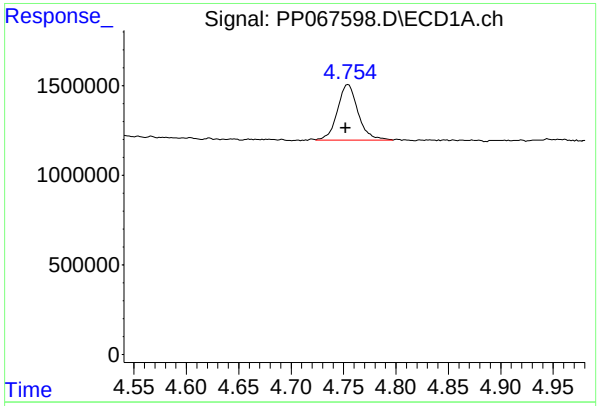
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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







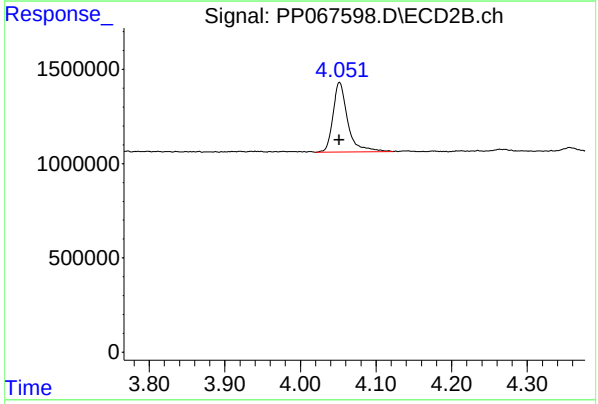
#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.002 min
Response: 4223721
Conc: 4.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

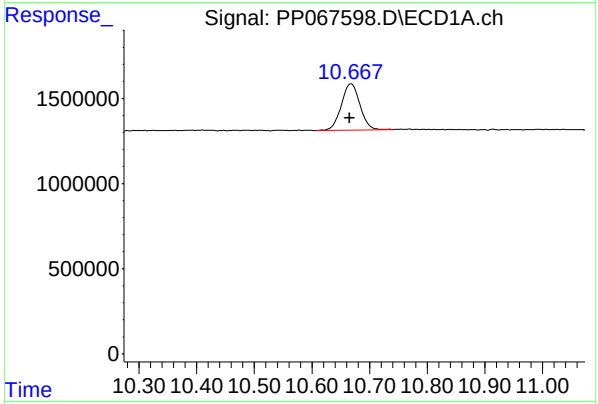
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



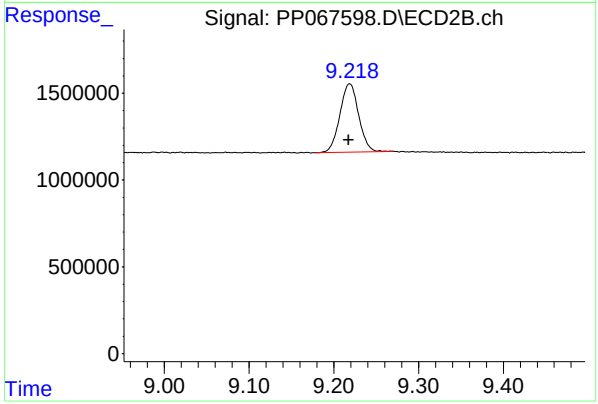
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4977037
Conc: 4.75 ng/ml



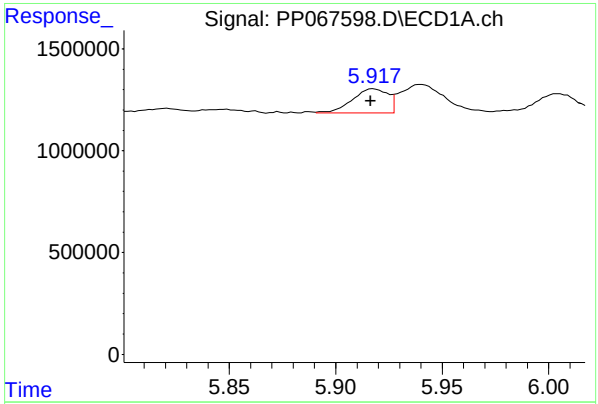
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.002 min
Response: 6053974
Conc: 5.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: 0.001 min
Response: 6041919
Conc: 5.28 ng/ml



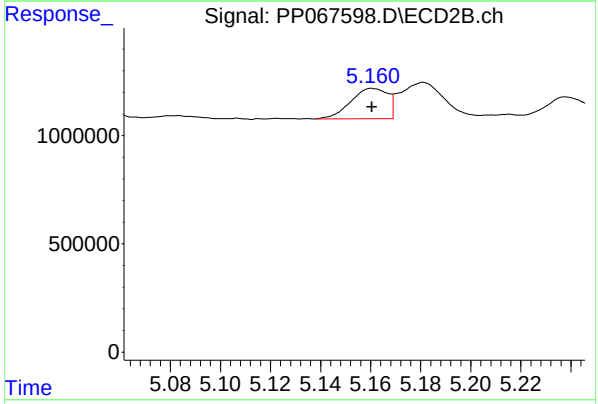
#16 AR-1242-1

R.T.: 5.918 min
Delta R.T.: 0.001 min
Response: 1375850
Conc: 47.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

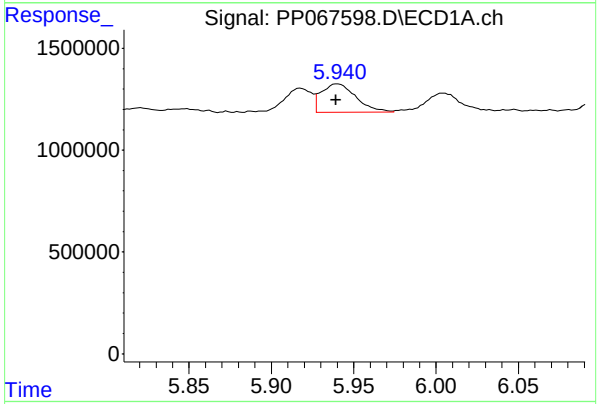
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



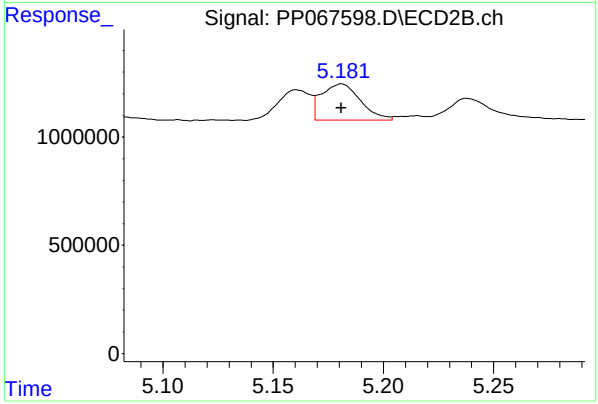
#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1444472
Conc: 48.02 ng/ml



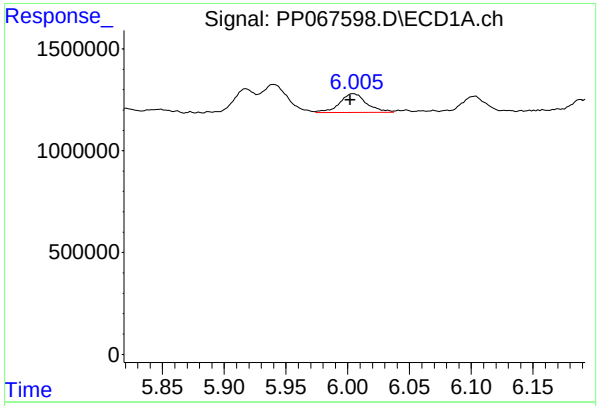
#17 AR-1242-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 2042273
Conc: 48.83 ng/ml



#17 AR-1242-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2066334
Conc: 50.58 ng/ml



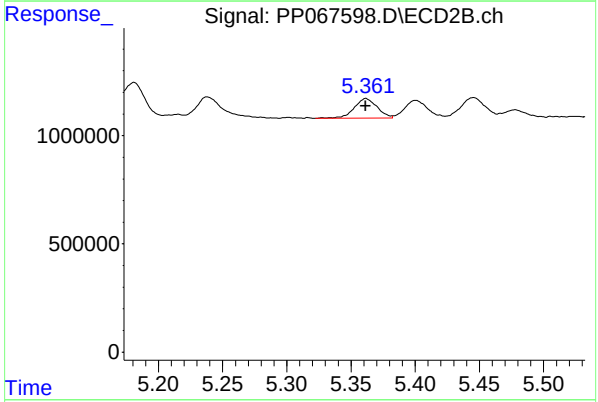
#18 AR-1242-3

R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 1422150
Conc: 51.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

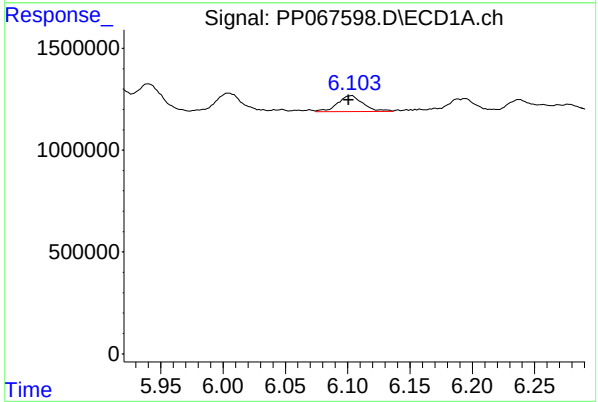
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



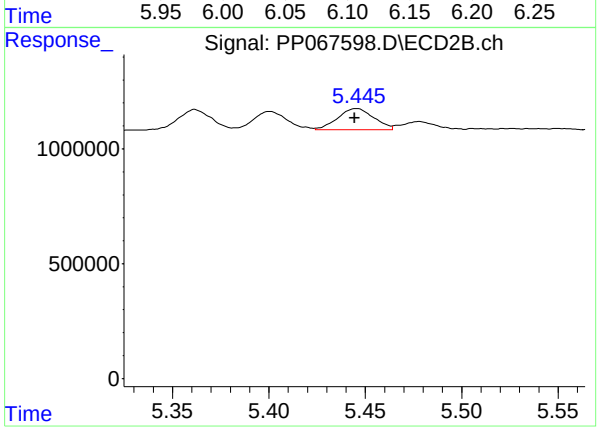
#18 AR-1242-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 1121076
Conc: 47.93 ng/ml



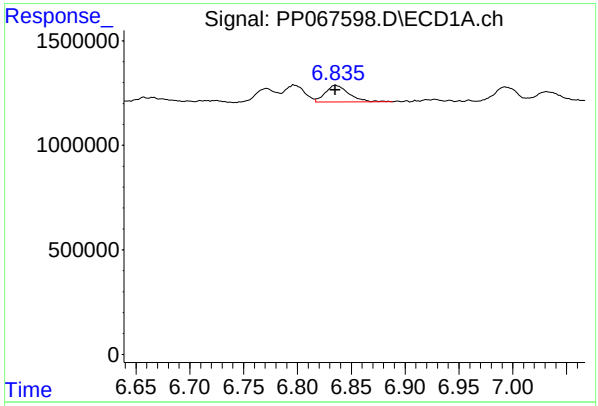
#19 AR-1242-4

R.T.: 6.103 min
Delta R.T.: 0.002 min
Response: 1111811
Conc: 50.49 ng/ml



#19 AR-1242-4

R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 1203814
Conc: 48.87 ng/ml



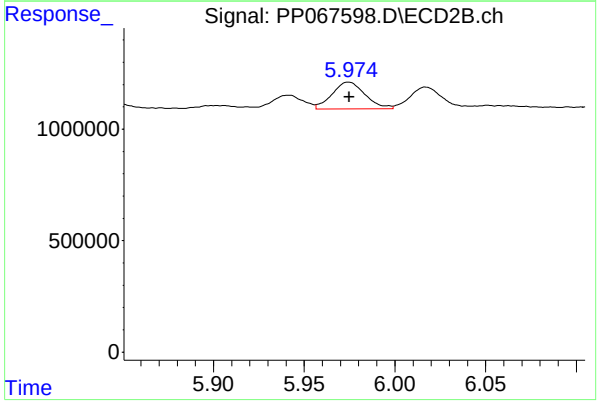
#20 AR-1242-5

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 1235510
Conc: 50.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#20 AR-1242-5

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 1511927
Conc: 52.39 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	90214696	95265612	94.578	95.209
2)	SA Decachlor...	10.665	9.217	105.5E6	103.2E6	90.237	91.240
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.160	19592099	20323070	894.603	888.868
22)	L5 AR-1248-2	6.192	5.400	29912773	29599820	872.727	892.276
23)	L5 AR-1248-3	6.396	5.444	33038688	31098926	878.150	896.577
24)	L5 AR-1248-4	6.797	5.619	36925252	36529837	883.372	905.795
25)	L5 AR-1248-5	6.837	6.017	36740691	34201195	896.464	909.218

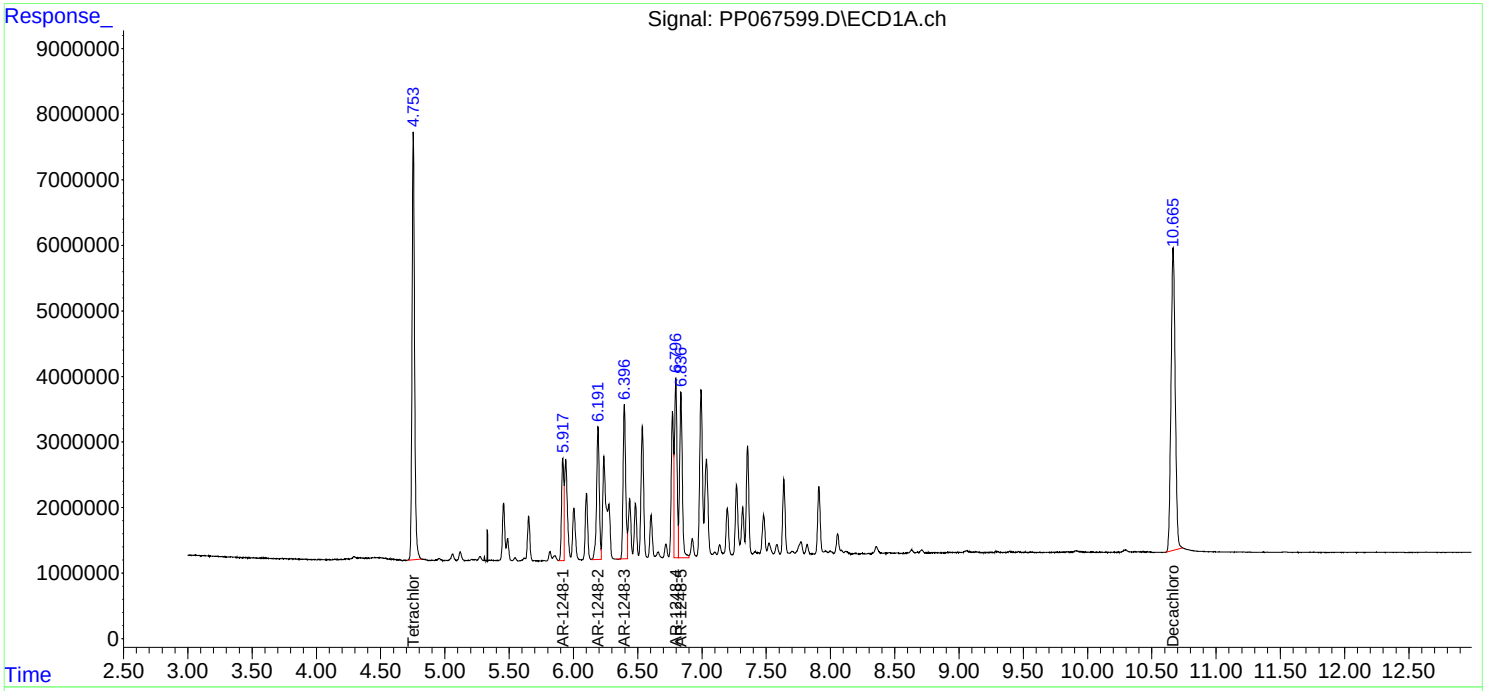
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

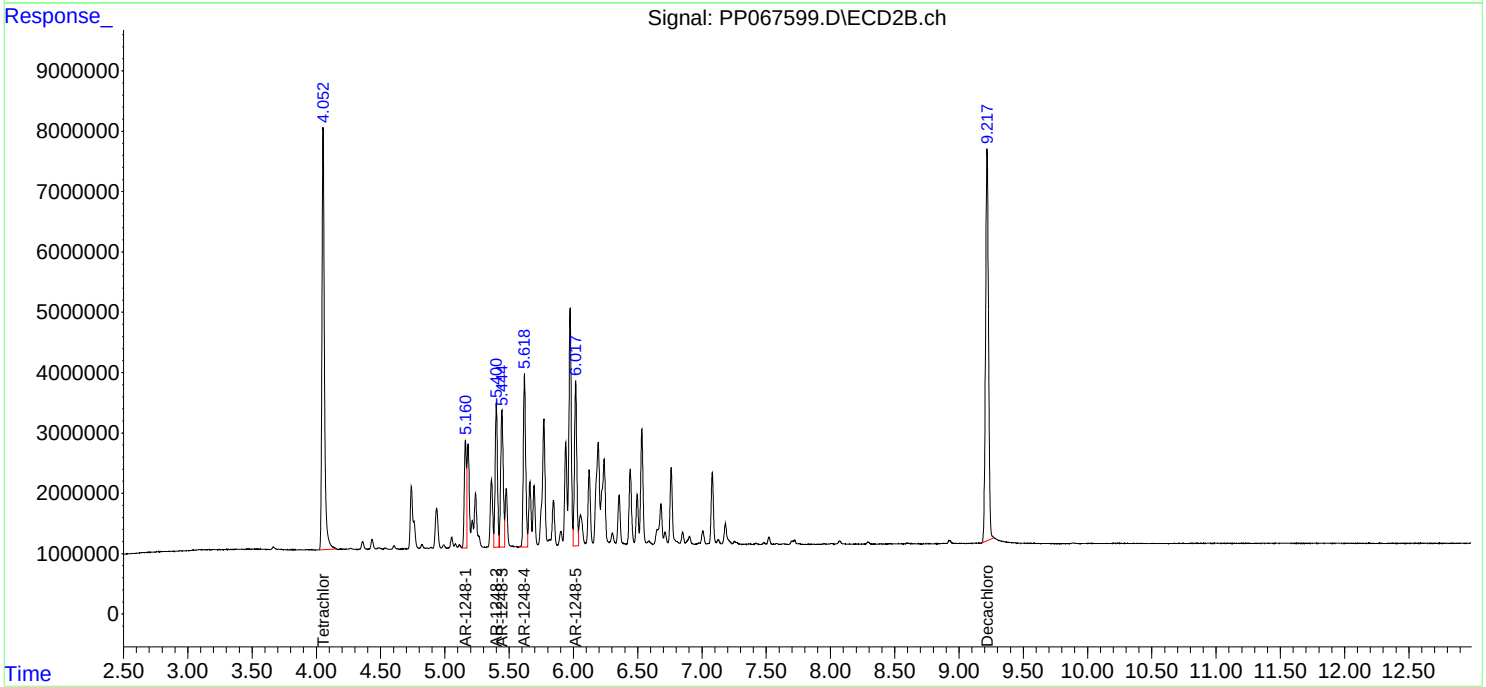
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

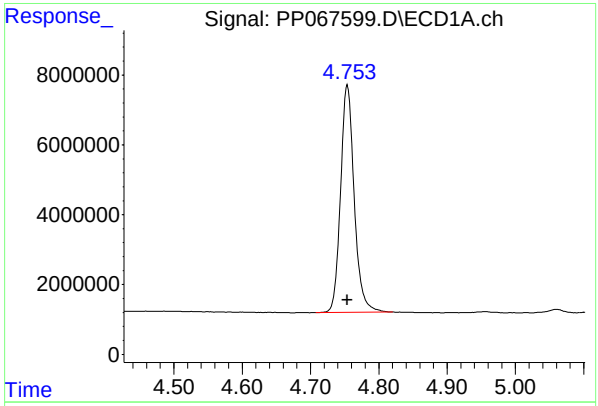
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



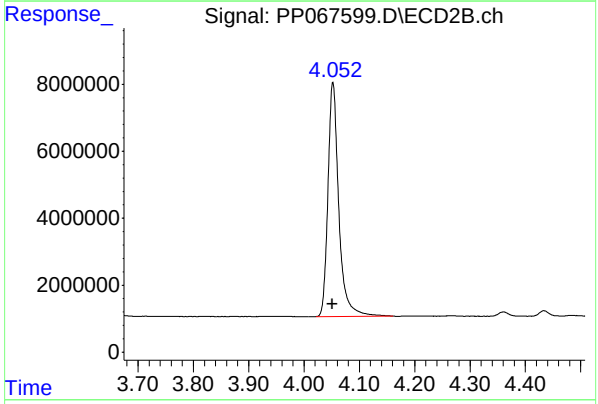




#1 Tetrachloro-m-xylene

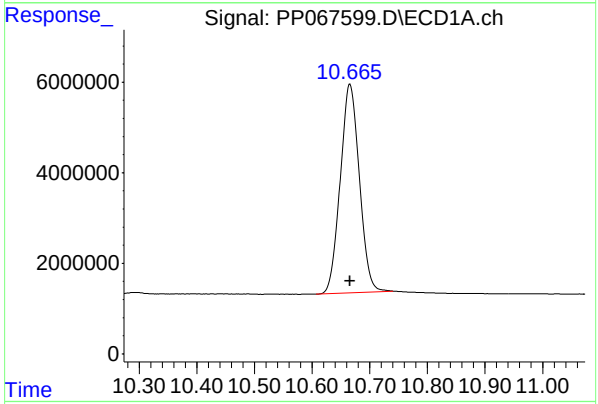
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 90214696
Conc: 94.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



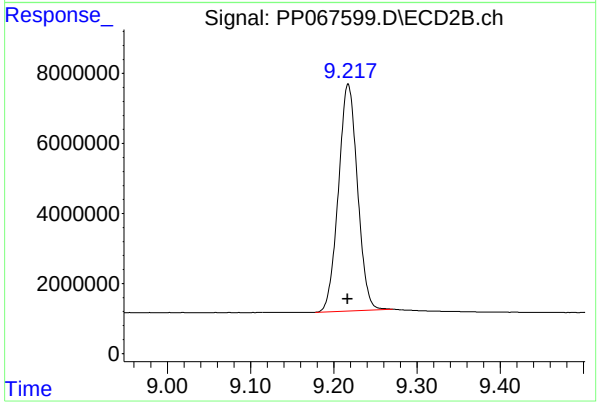
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 95265612
Conc: 95.21 ng/ml



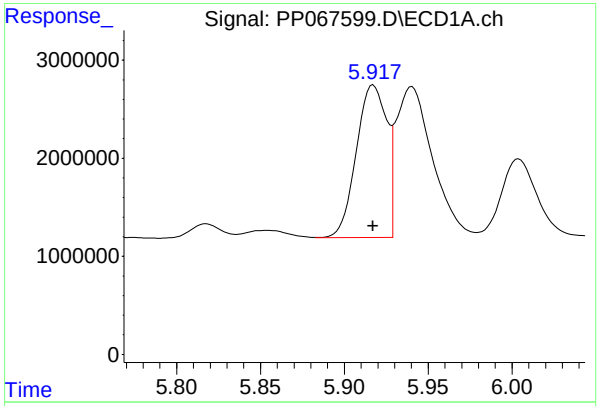
#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 105545082
Conc: 90.24 ng/ml



#2 Decachlorobiphenyl

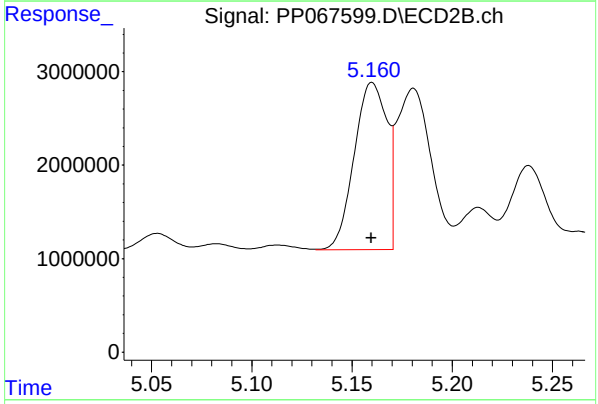
R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 103235341
Conc: 91.24 ng/ml



#21 AR-1248-1

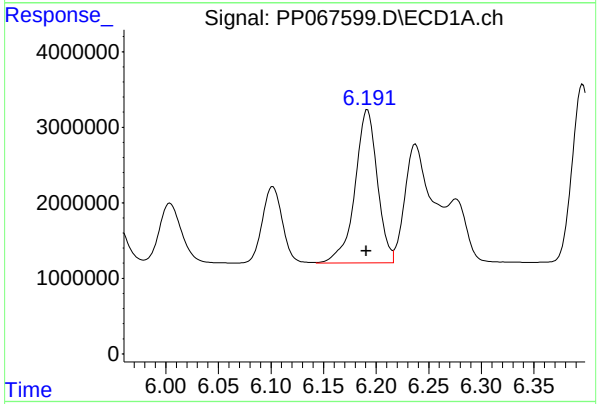
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 19592099
Conc: 894.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



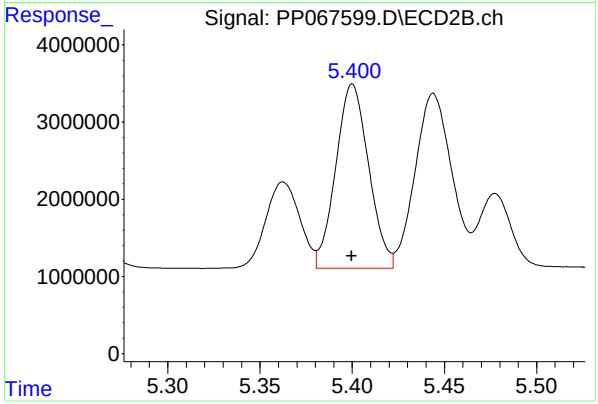
#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 20323070
Conc: 888.87 ng/ml



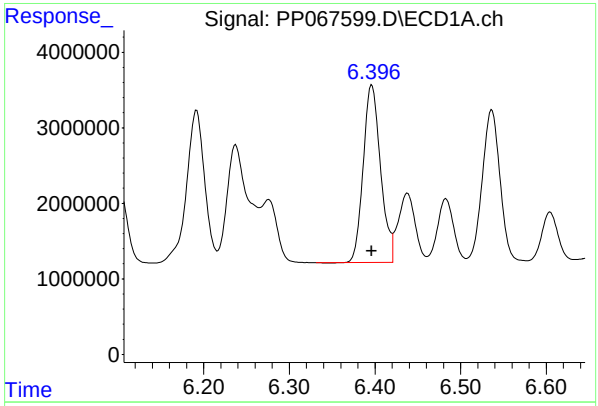
#22 AR-1248-2

R.T.: 6.192 min
Delta R.T.: 0.001 min
Response: 29912773
Conc: 872.73 ng/ml



#22 AR-1248-2

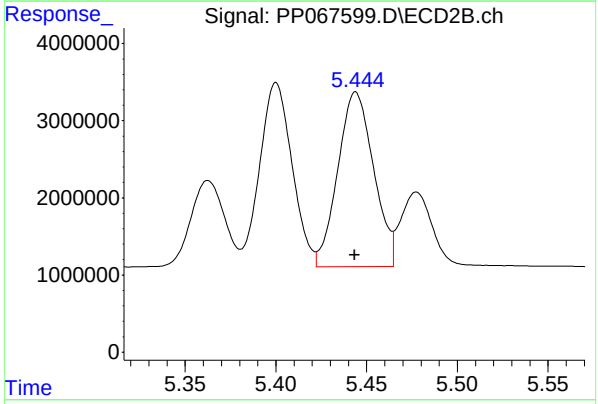
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 29599820
Conc: 892.28 ng/ml



#23 AR-1248-3

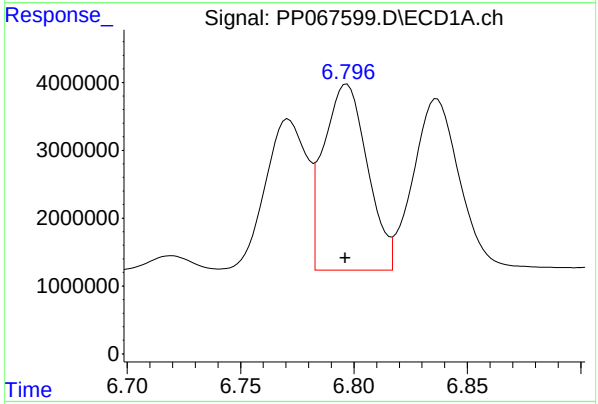
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 33038688
Conc: 878.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



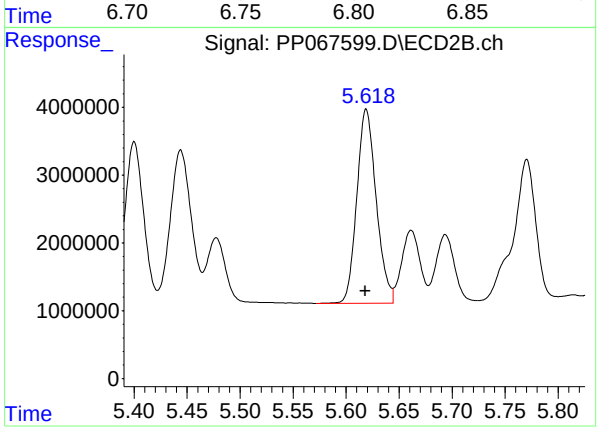
#23 AR-1248-3

R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 31098926
Conc: 896.58 ng/ml



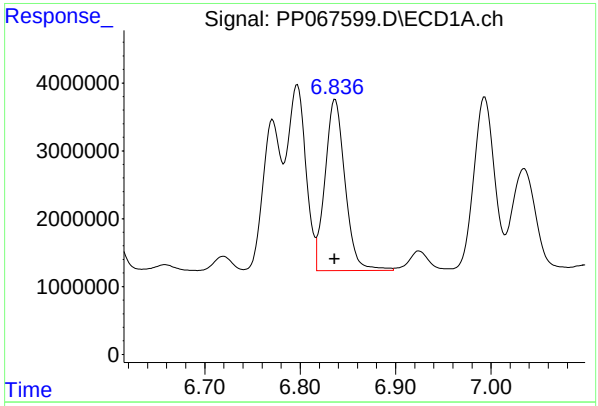
#24 AR-1248-4

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 36925252
Conc: 883.37 ng/ml



#24 AR-1248-4

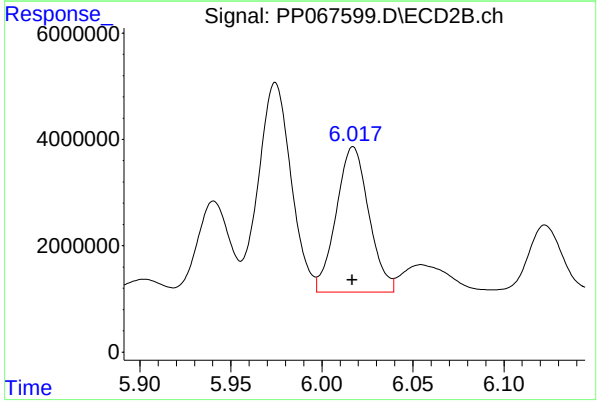
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 36529837
Conc: 905.80 ng/ml



#25 AR-1248-5

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 36740691
Conc: 896.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 34201195
Conc: 909.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	69493624	74624596	72.855	74.581
2)	SA Decachlor...	10.666	9.218	83225039	80485343	71.154	71.134
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.160	15890474	16419683	725.581	718.146
22)	L5 AR-1248-2	6.191	5.401	24196945	23698997	705.963	714.398
23)	L5 AR-1248-3	6.396	5.445	26508671	24837498	704.586	716.061
24)	L5 AR-1248-4	6.796	5.619	29562331	29080592	707.227	721.084
25)	L5 AR-1248-5	6.837	6.017	29214949	26933596	712.838	716.014

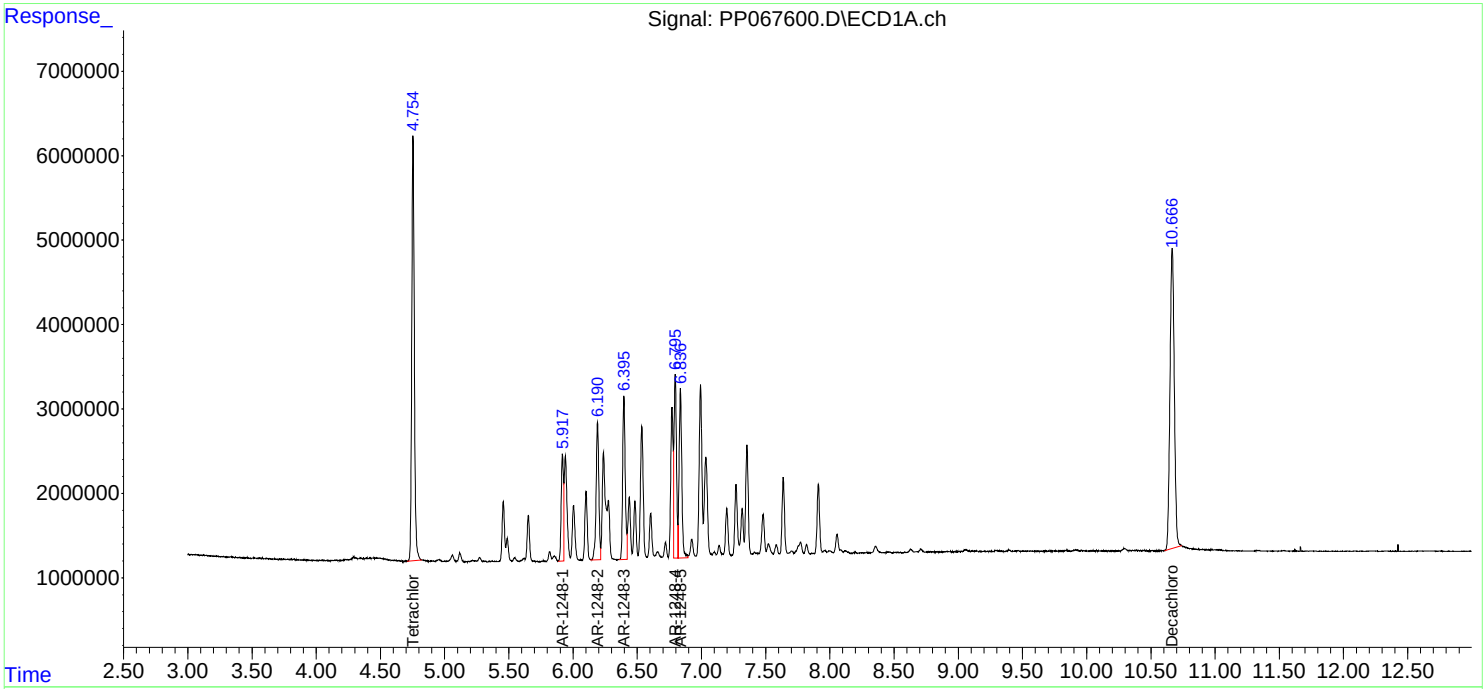
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

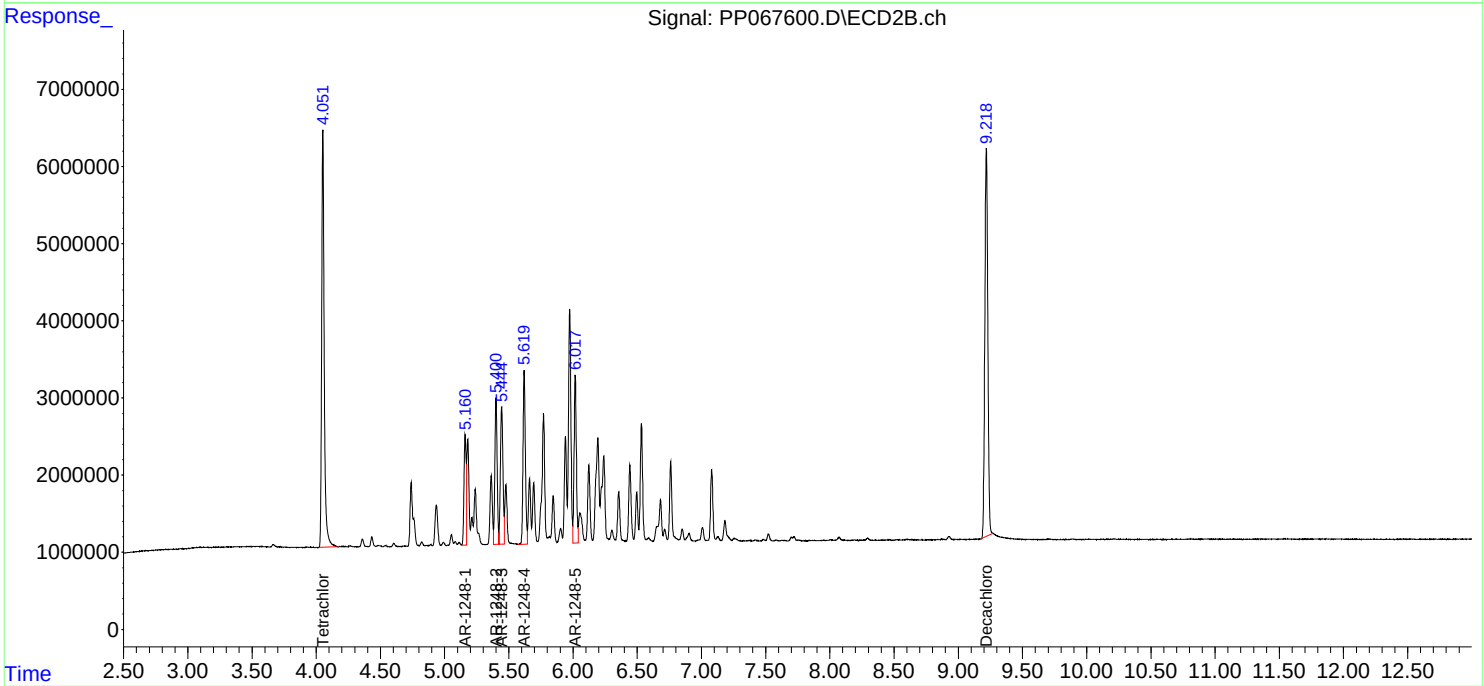
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

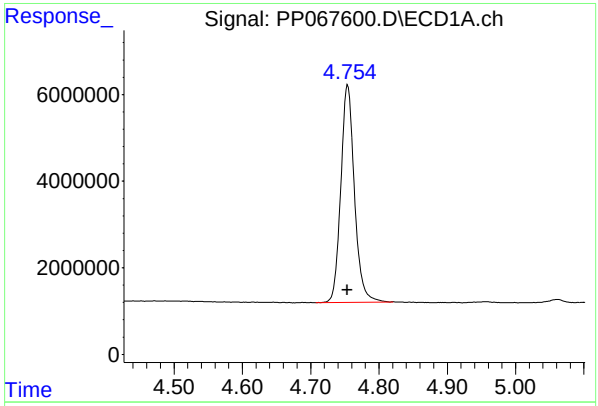
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



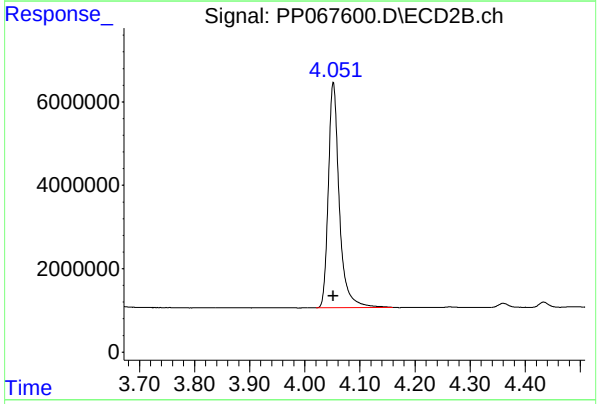




#1 Tetrachloro-m-xylene

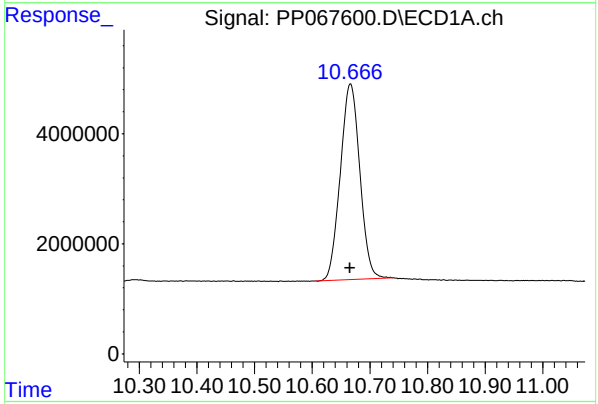
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 69493624
Conc: 72.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



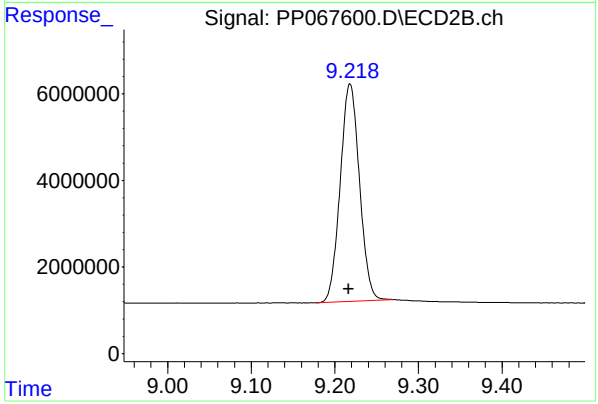
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 74624596
Conc: 74.58 ng/ml



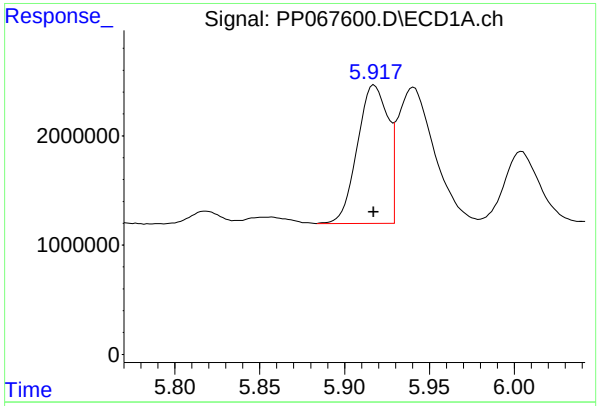
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 83225039
Conc: 71.15 ng/ml



#2 Decachlorobiphenyl

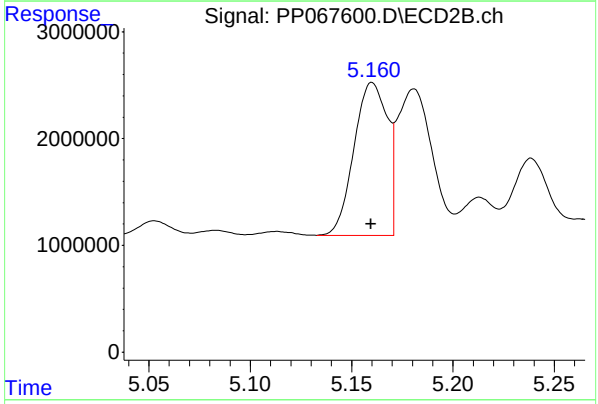
R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 80485343
Conc: 71.13 ng/ml



#21 AR-1248-1

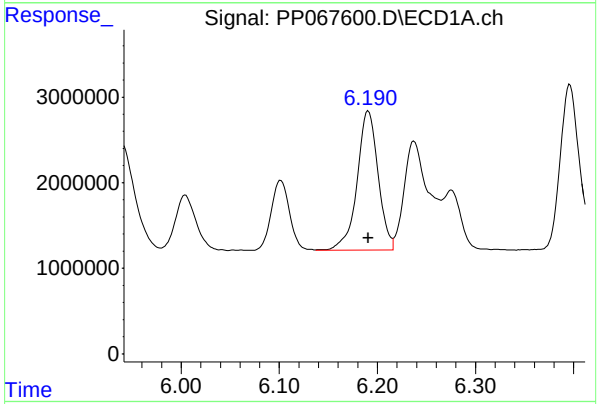
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 15890474
Conc: 725.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



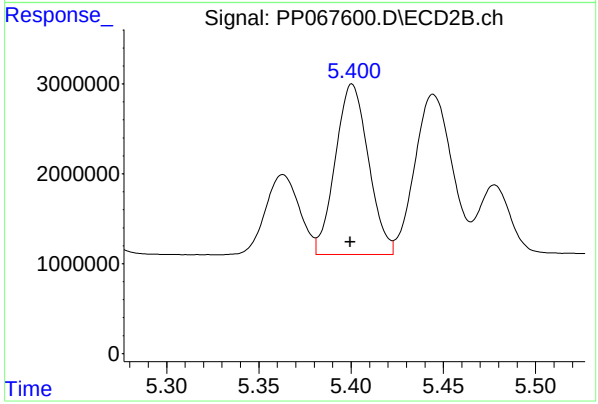
#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 16419683
Conc: 718.15 ng/ml



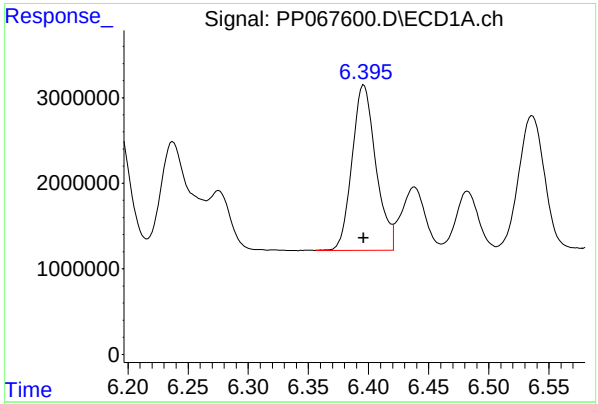
#22 AR-1248-2

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 24196945
Conc: 705.96 ng/ml



#22 AR-1248-2

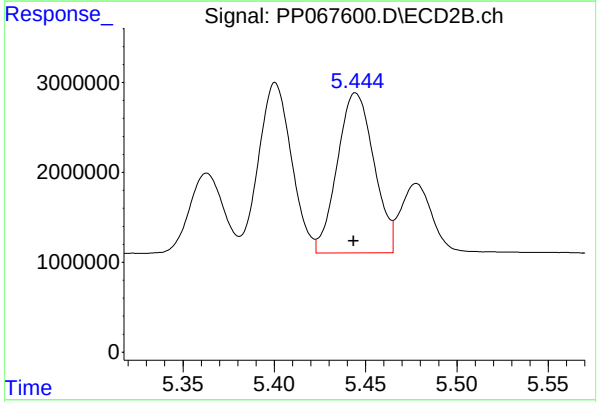
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 23698997
Conc: 714.40 ng/ml



#23 AR-1248-3

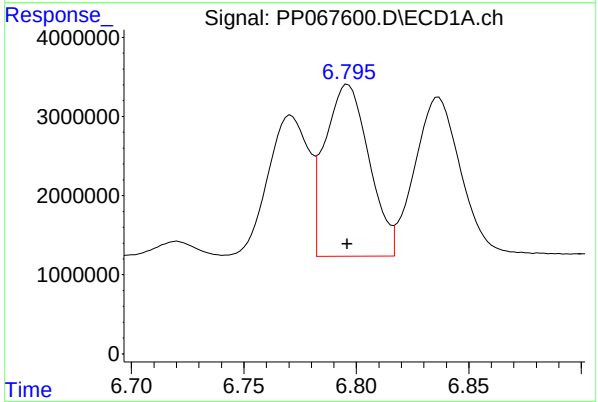
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 26508671
Conc: 704.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



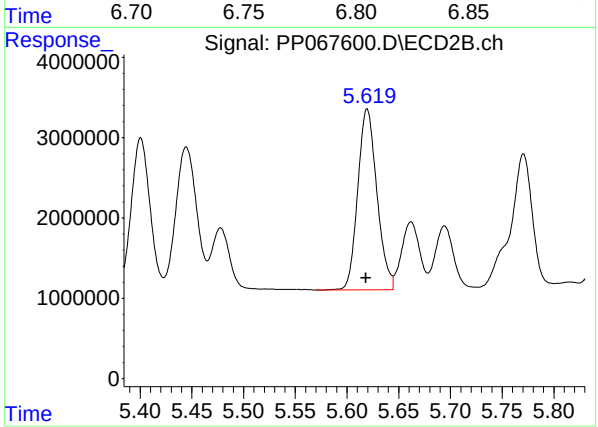
#23 AR-1248-3

R.T.: 5.445 min
Delta R.T.: 0.001 min
Response: 24837498
Conc: 716.06 ng/ml



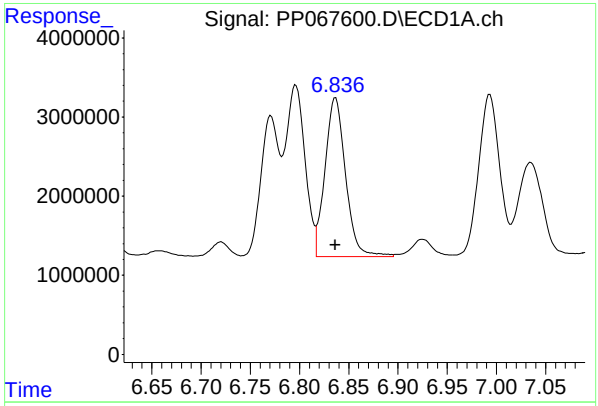
#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 29562331
Conc: 707.23 ng/ml



#24 AR-1248-4

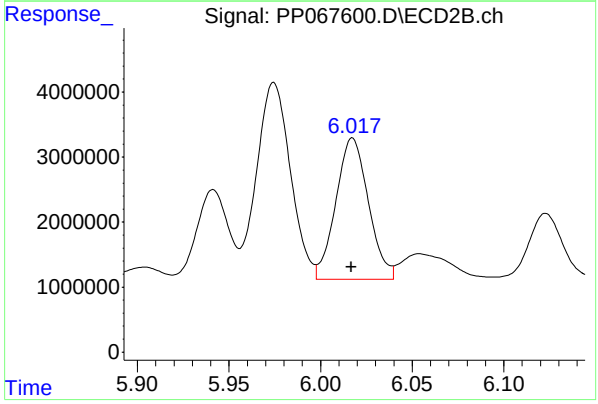
R.T.: 5.619 min
Delta R.T.: 0.001 min
Response: 29080592
Conc: 721.08 ng/ml



#25 AR-1248-5

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 29214949
Conc: 712.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 26933596
Conc: 716.01 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	47693362	50029562	50.000	50.000
2)	SA Decachlor...	10.666	9.217	58482460	56573282	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.160	10950168	11431997	500.000	500.000
22)	L5 AR-1248-2	6.191	5.400	17137536	16586689	500.000	500.000
23)	L5 AR-1248-3	6.396	5.443	18811532	17343136	500.000	500.000
24)	L5 AR-1248-4	6.796	5.618	20900161	20164510	500.000	500.000
25)	L5 AR-1248-5	6.836	6.017	20492008	18808021	500.000	500.000

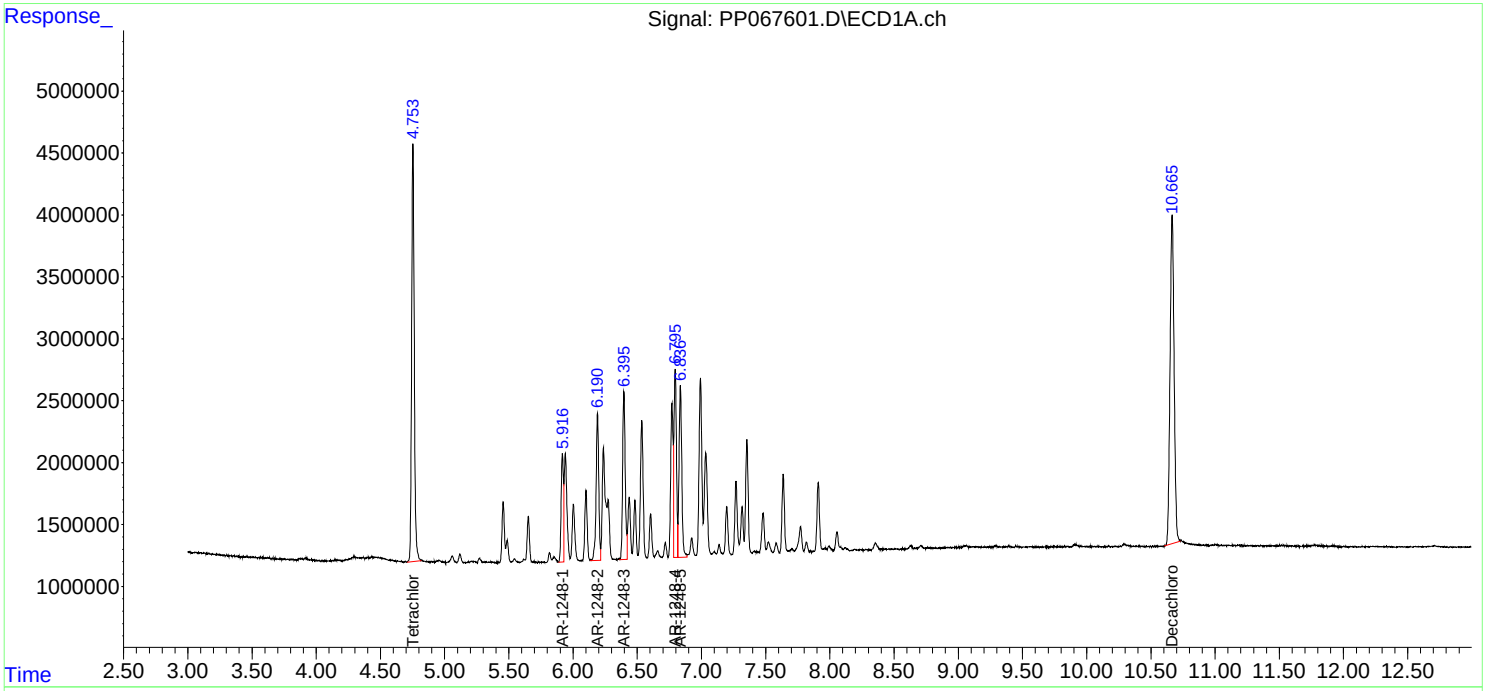
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

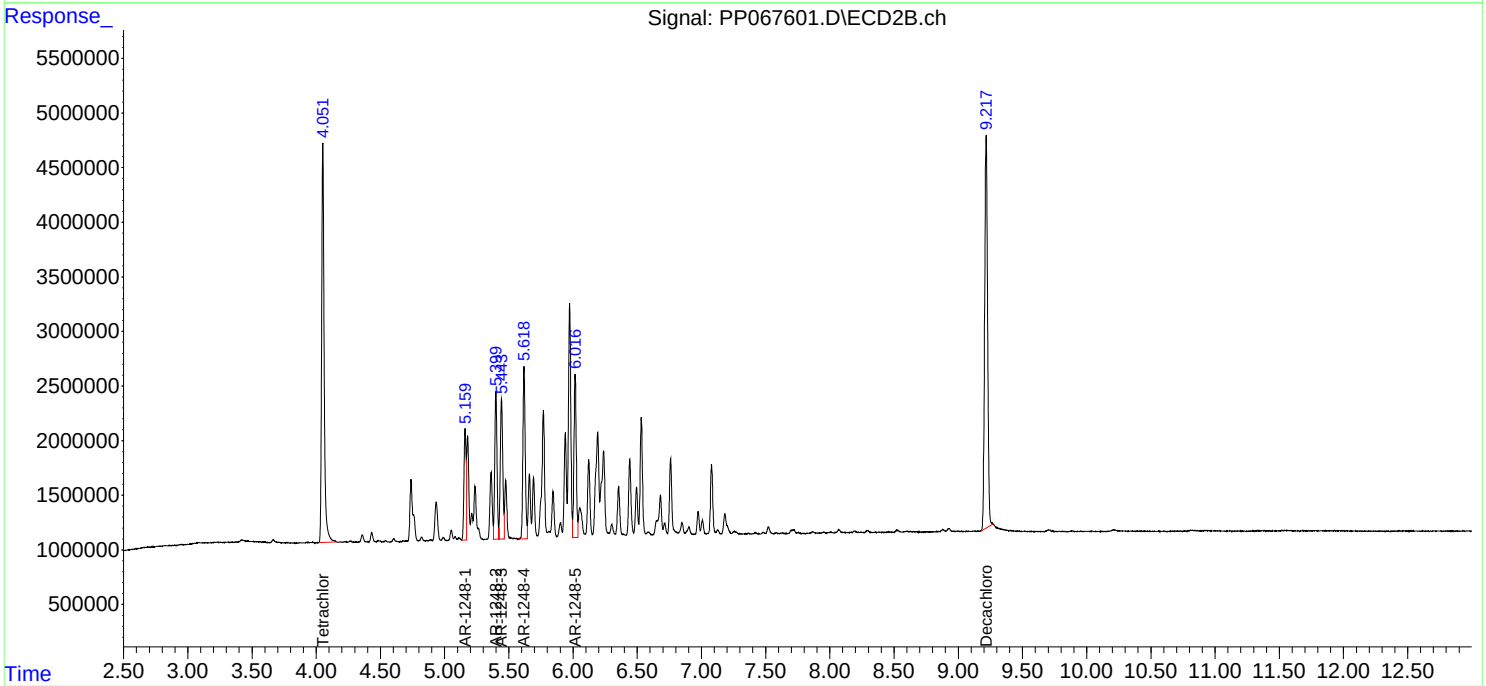
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

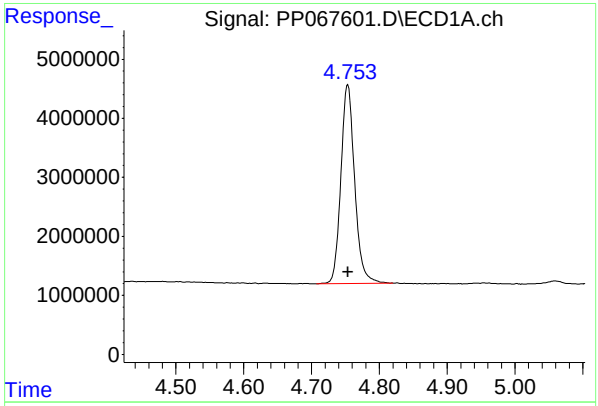
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



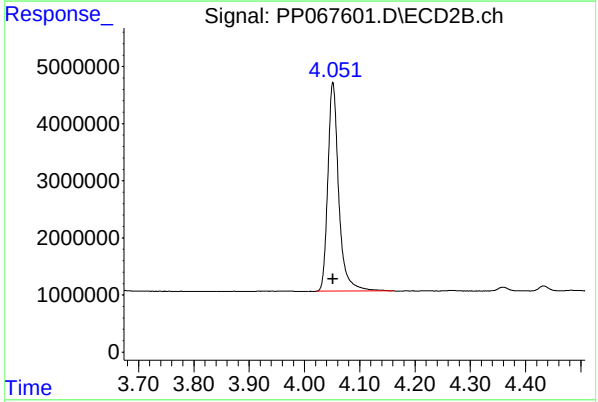




#1 Tetrachloro-m-xylene

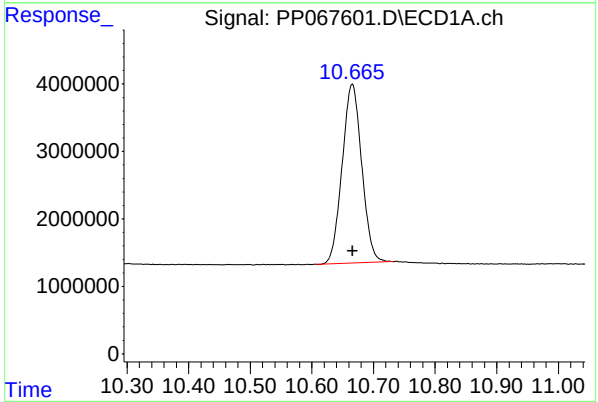
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 47693362
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



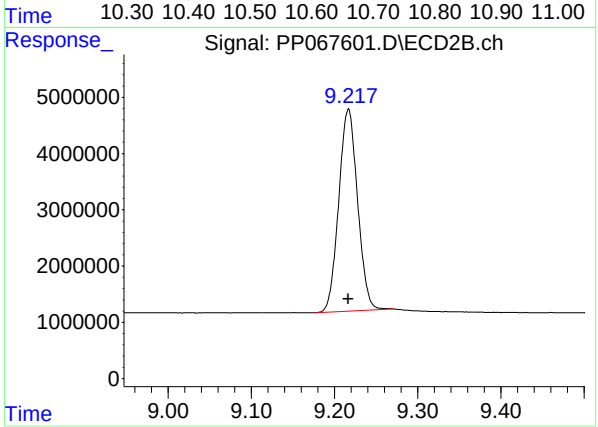
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 50029562
Conc: 50.00 ng/ml



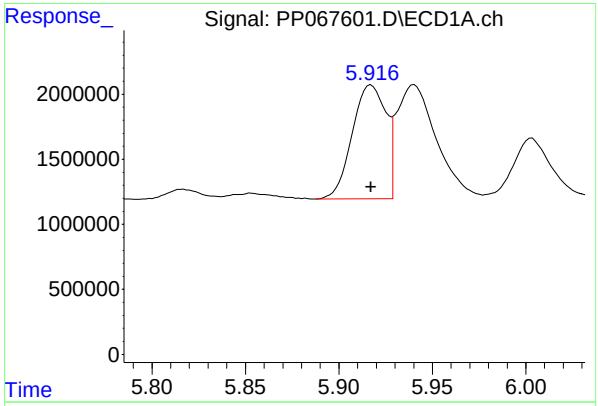
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 58482460
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

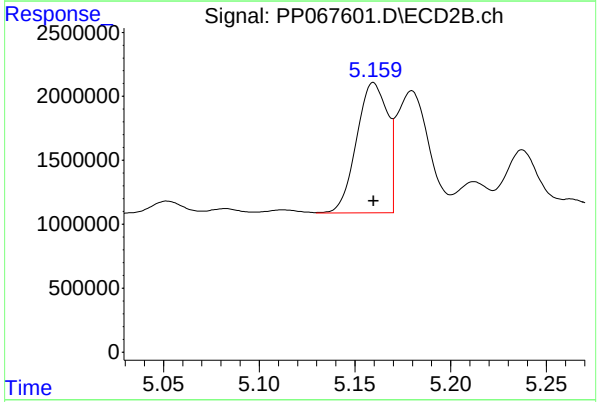
R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 56573282
Conc: 50.00 ng/ml



#21 AR-1248-1

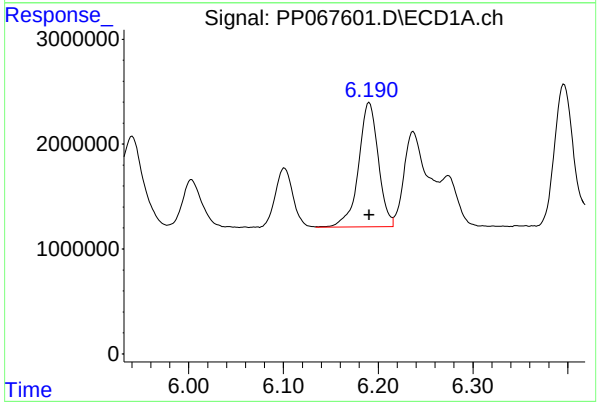
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 10950168
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



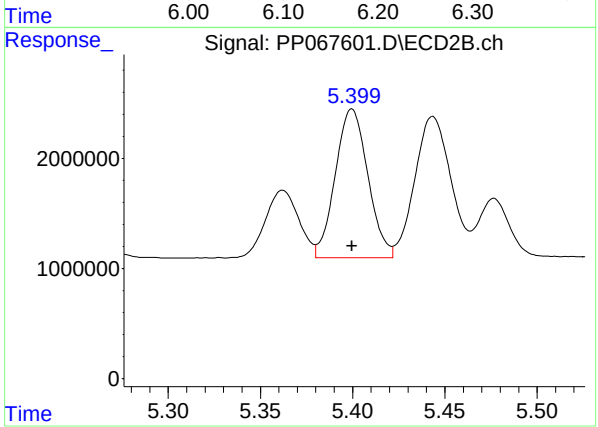
#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 11431997
Conc: 500.00 ng/ml



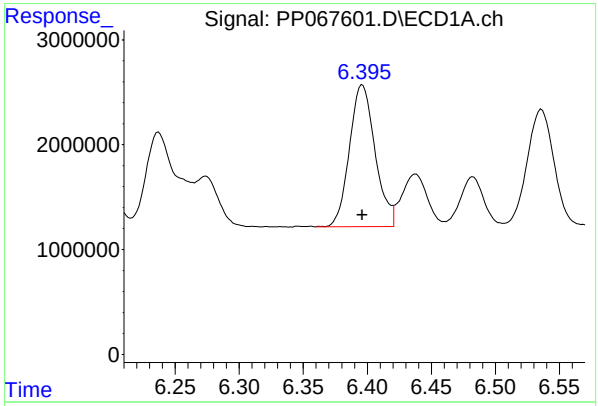
#22 AR-1248-2

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 17137536
Conc: 500.00 ng/ml



#22 AR-1248-2

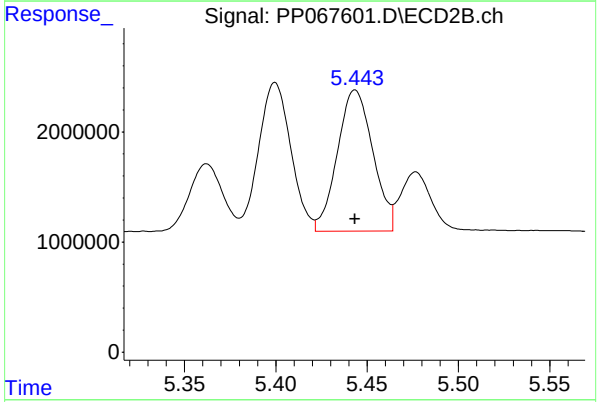
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 16586689
Conc: 500.00 ng/ml



#23 AR-1248-3

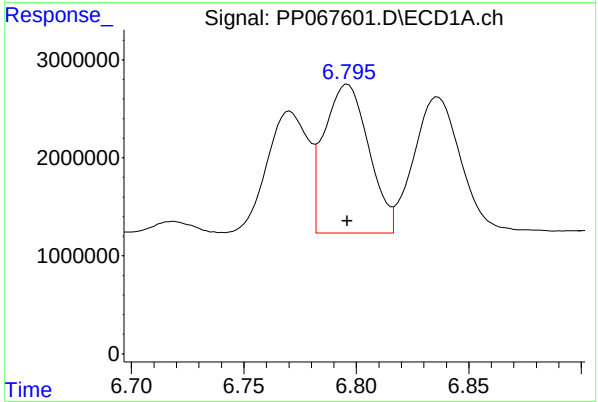
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 18811532
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



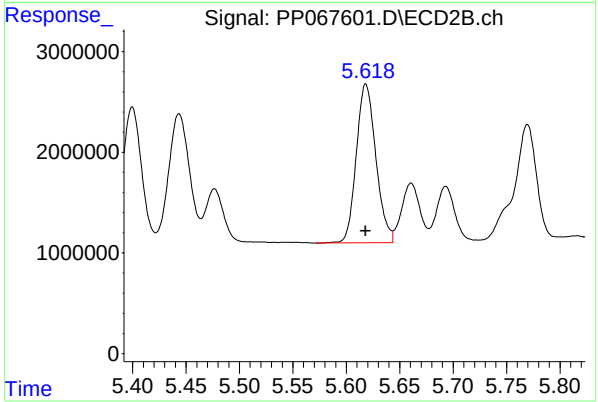
#23 AR-1248-3

R.T.: 5.443 min
Delta R.T.: 0.000 min
Response: 17343136
Conc: 500.00 ng/ml



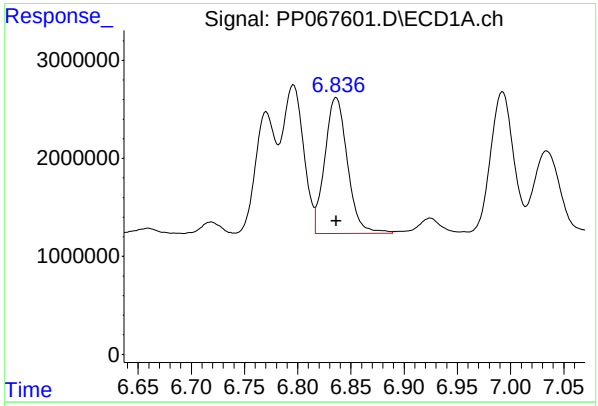
#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 20900161
Conc: 500.00 ng/ml



#24 AR-1248-4

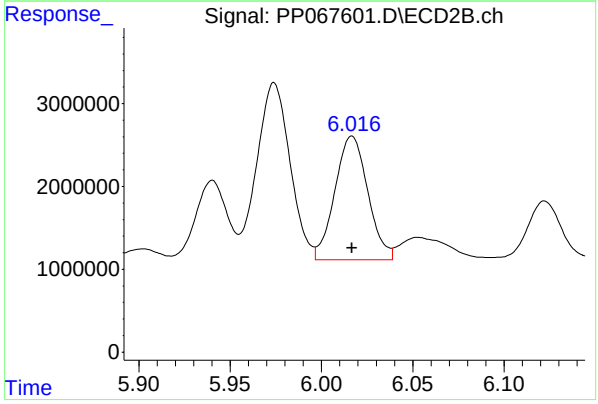
R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 20164510
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 20492008
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 18808021
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	24808977	26704709	26.009	26.689
2)	SA Decachlor...	10.668	9.218	32052950	30387635	27.404	26.857
	Target Compounds						
21)	L5 AR-1248-1	5.918	5.161	5912354	6018915	269.966	263.249
22)	L5 AR-1248-2	6.192	5.400	9231645	9030416	269.340	272.219
23)	L5 AR-1248-3	6.397	5.444	10139576	9394157	269.504	270.832
24)	L5 AR-1248-4	6.797	5.619	11182231	11056295	267.515	274.152
25)	L5 AR-1248-5	6.836	6.017	10945412	10118471	267.065	268.994

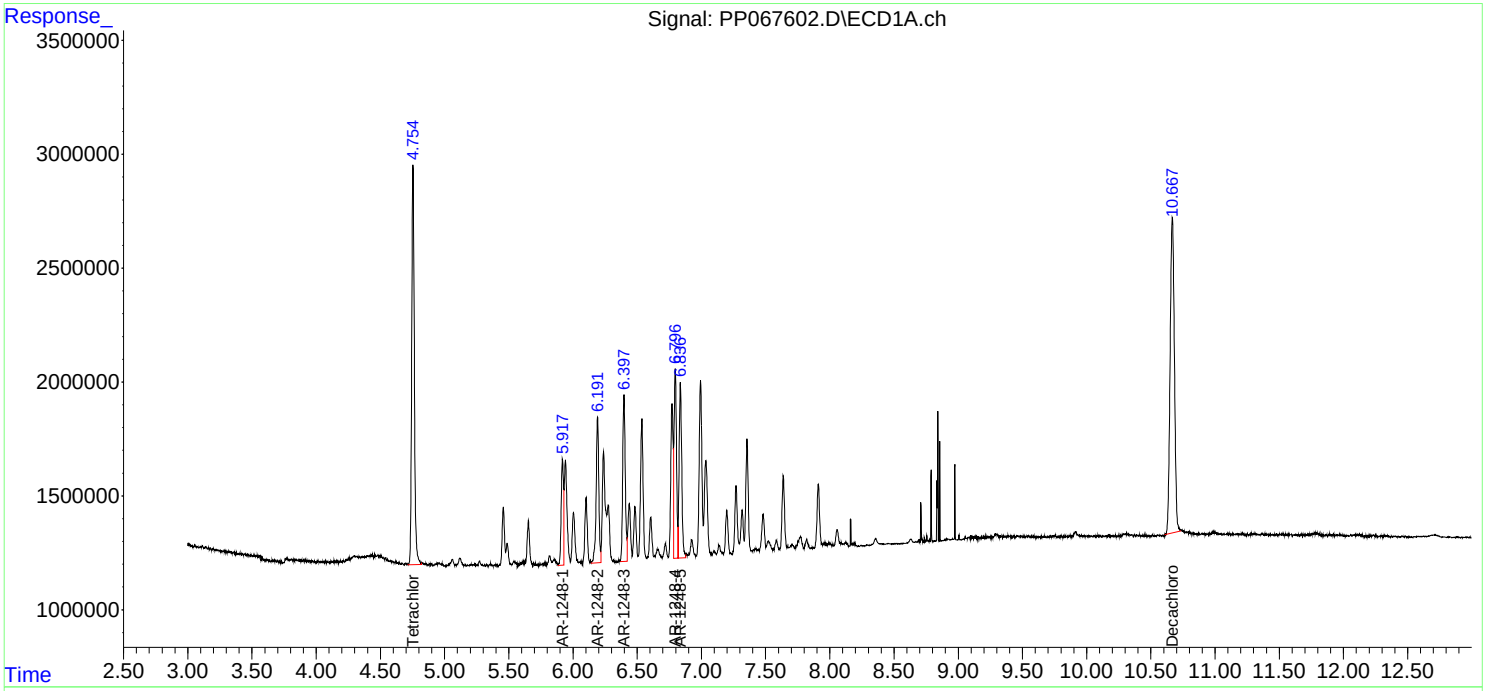
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

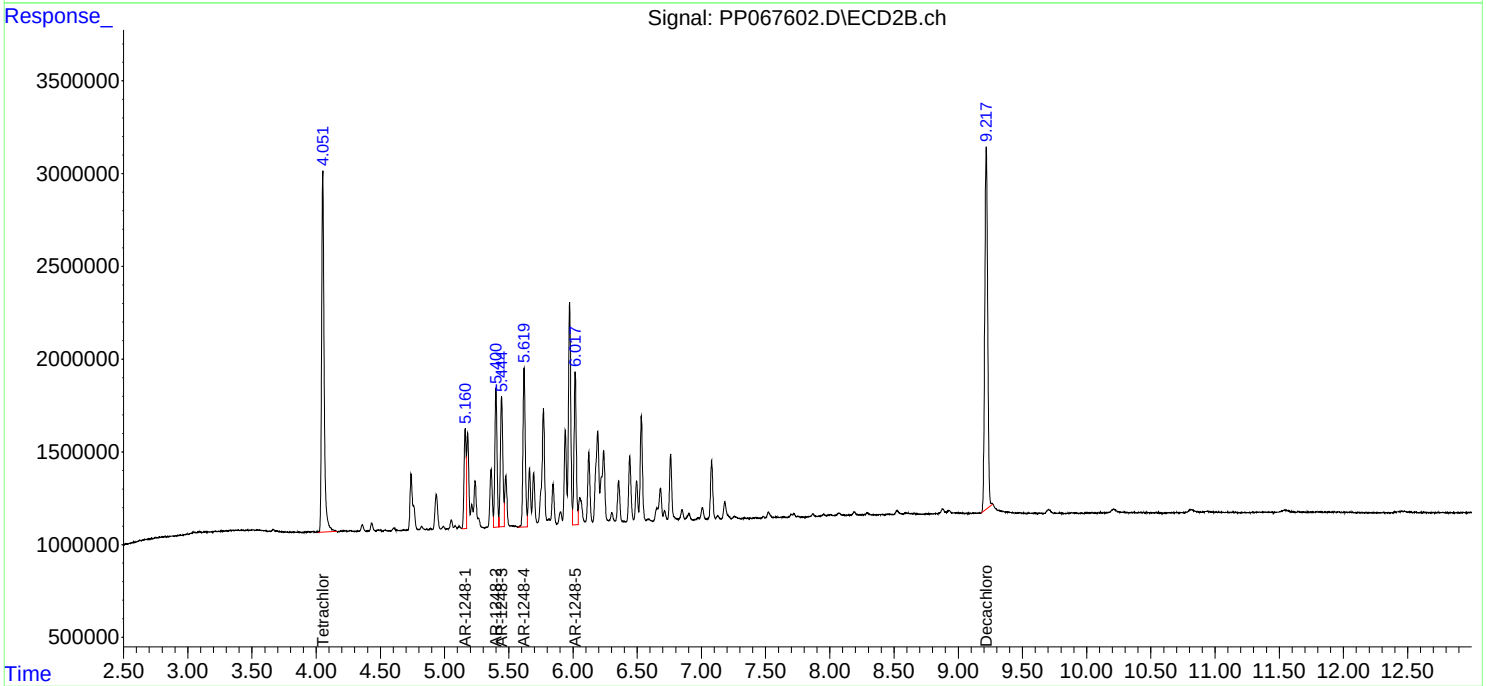
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

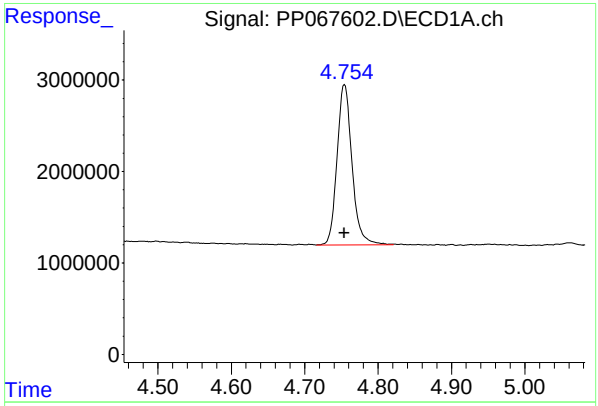
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



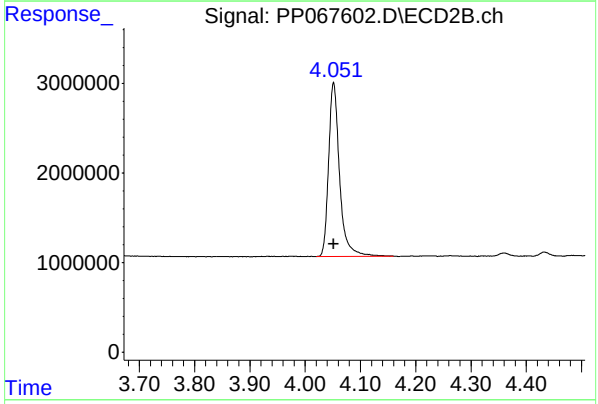




#1 Tetrachloro-m-xylene

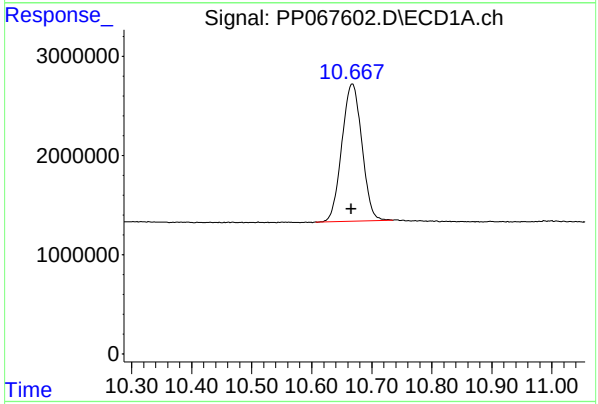
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 24808977
Conc: 26.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



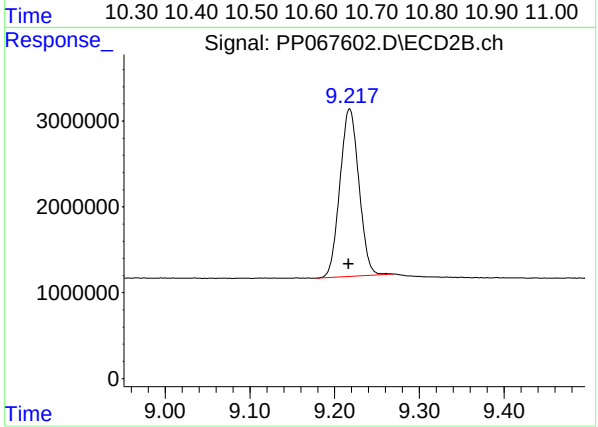
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 26704709
Conc: 26.69 ng/ml



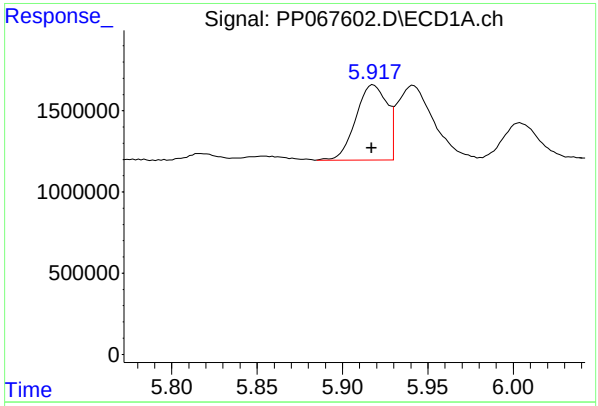
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.002 min
Response: 32052950
Conc: 27.40 ng/ml



#2 Decachlorobiphenyl

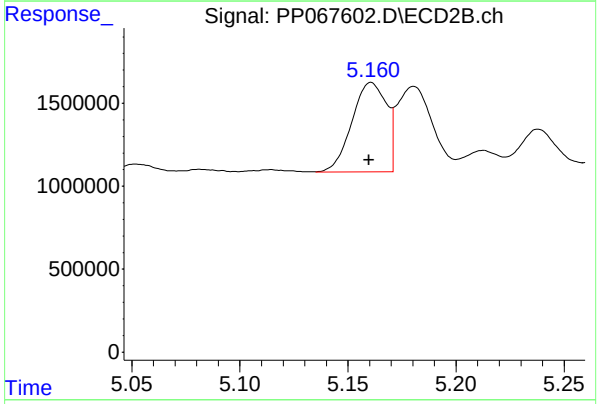
R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 30387635
Conc: 26.86 ng/ml



#21 AR-1248-1

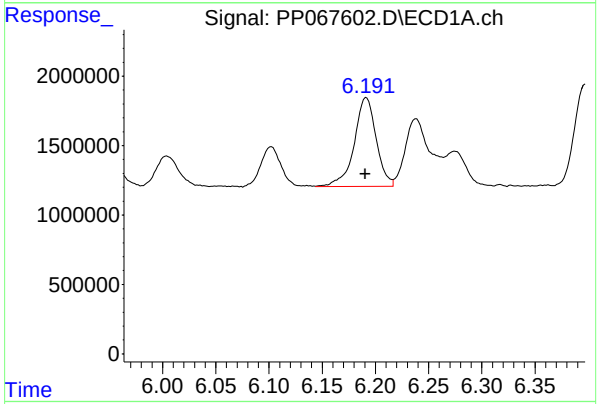
R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 5912354
Conc: 269.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



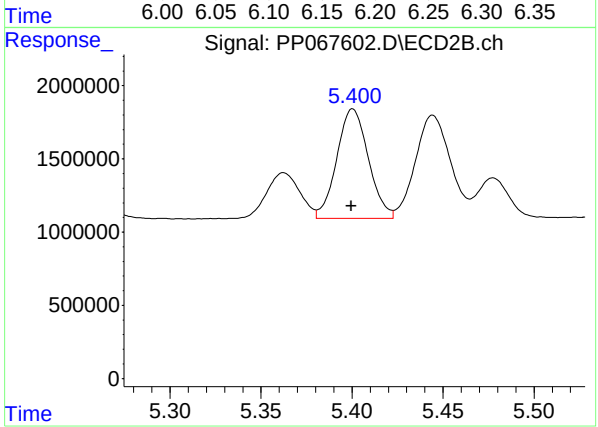
#21 AR-1248-1

R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 6018915
Conc: 263.25 ng/ml



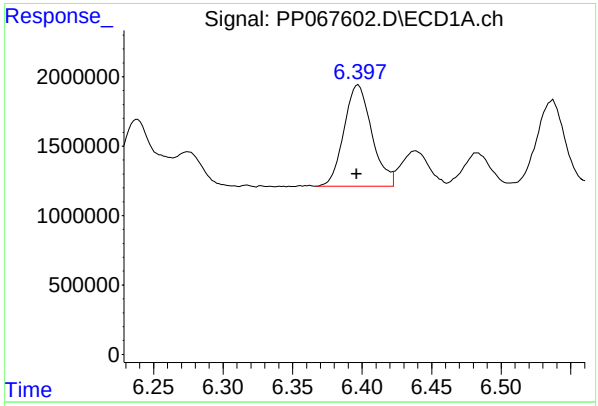
#22 AR-1248-2

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 9231645
Conc: 269.34 ng/ml



#22 AR-1248-2

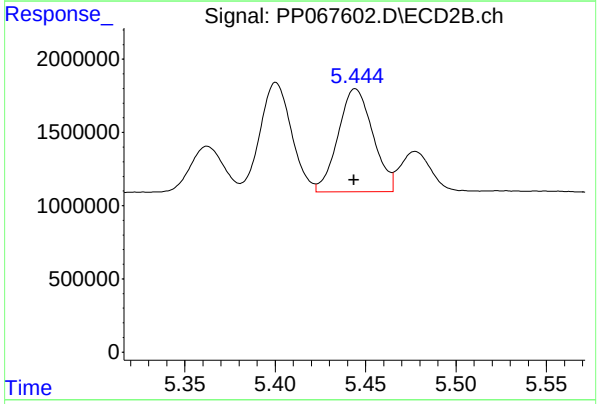
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 9030416
Conc: 272.22 ng/ml



#23 AR-1248-3

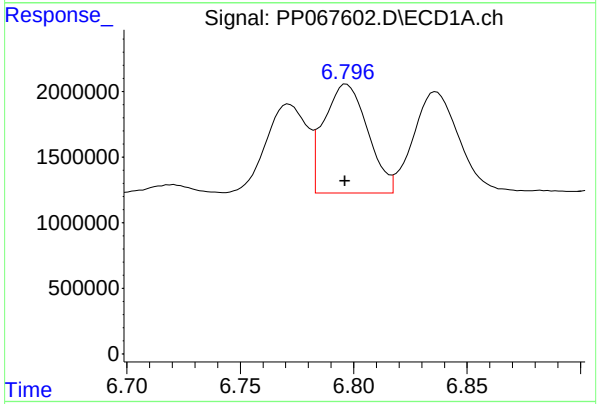
R.T.: 6.397 min
Delta R.T.: 0.001 min
Response: 10139576
Conc: 269.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



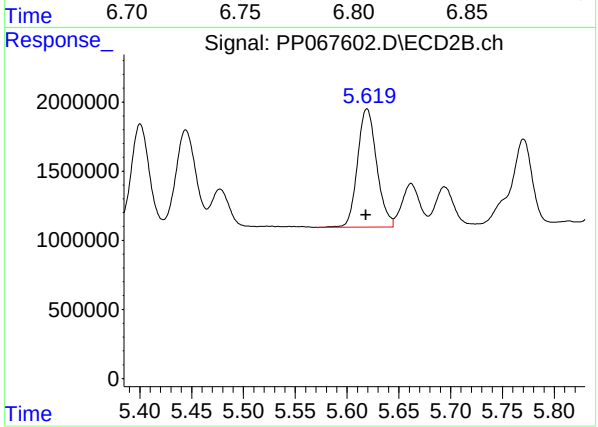
#23 AR-1248-3

R.T.: 5.444 min
Delta R.T.: 0.001 min
Response: 9394157
Conc: 270.83 ng/ml



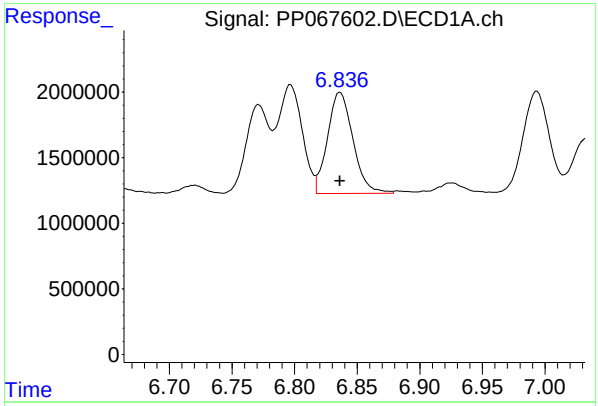
#24 AR-1248-4

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 11182231
Conc: 267.52 ng/ml



#24 AR-1248-4

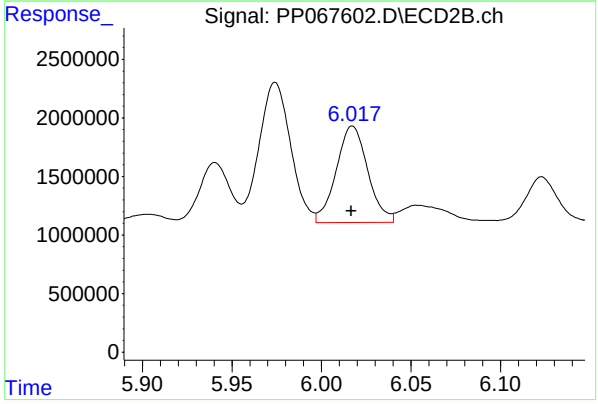
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 11056295
Conc: 274.15 ng/ml



#25 AR-1248-5

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 10945412
Conc: 267.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 10118471
Conc: 268.99 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.753	4.051	4475784	4955188	4.692	4.952
2) SA	Decachlor...	10.664	9.218	6512447	6206078	5.568	5.485
	Target Compounds						
21) L5	AR-1248-1	5.918	5.161	1039264	1208163	47.454	52.841
22) L5	AR-1248-2	6.190	5.401	1735318	1749277	50.629	52.731
23) L5	AR-1248-3	6.396	5.445	1828118	1794734	48.590	51.742
24) L5	AR-1248-4	6.796	5.619	1969132	2246071	47.108	55.694
25) L5	AR-1248-5	6.835	6.017	1892267	1950657	46.171	51.857

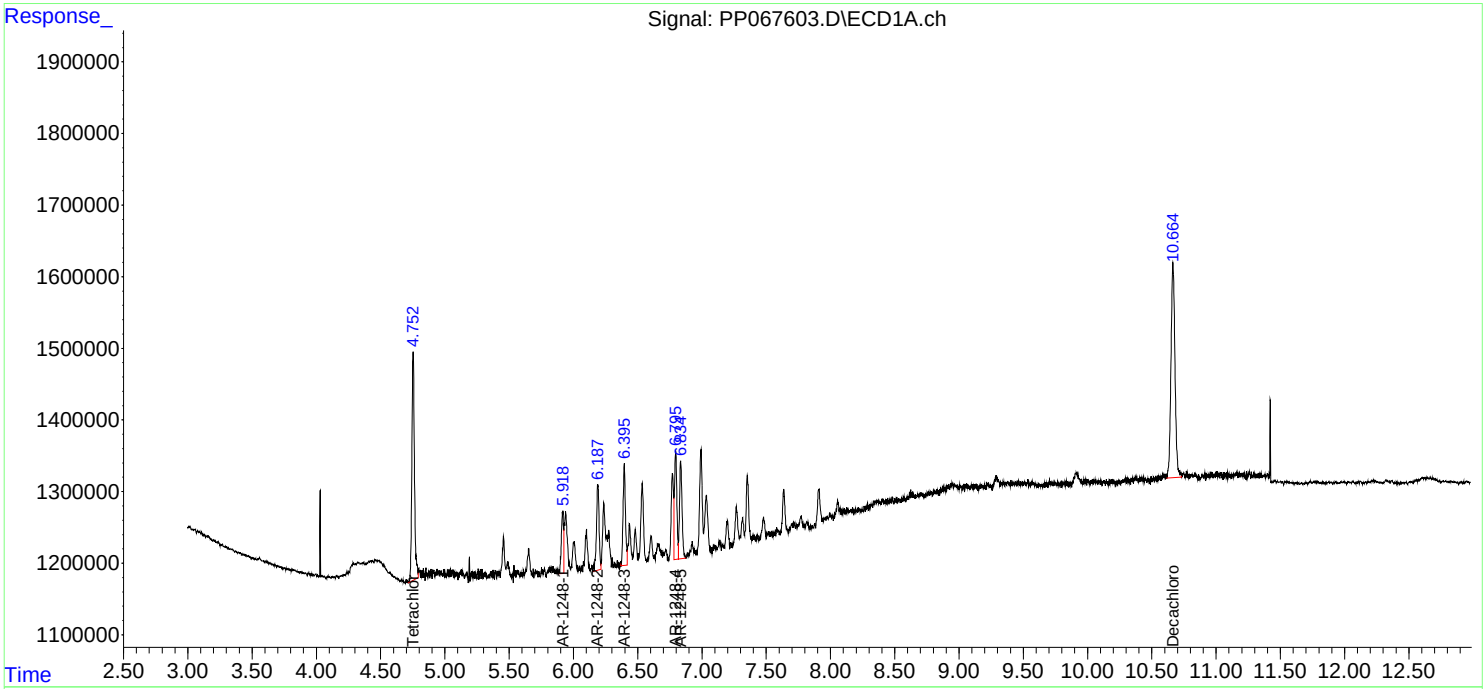
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

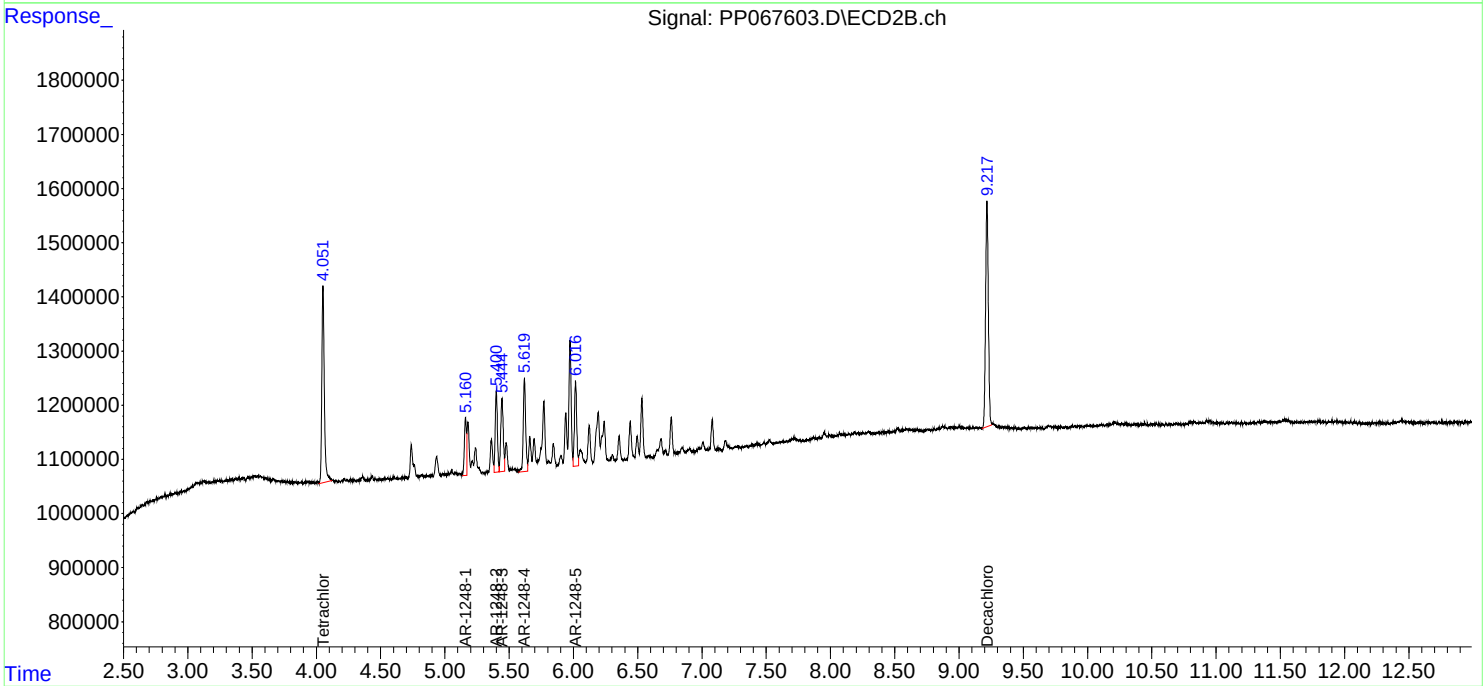
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

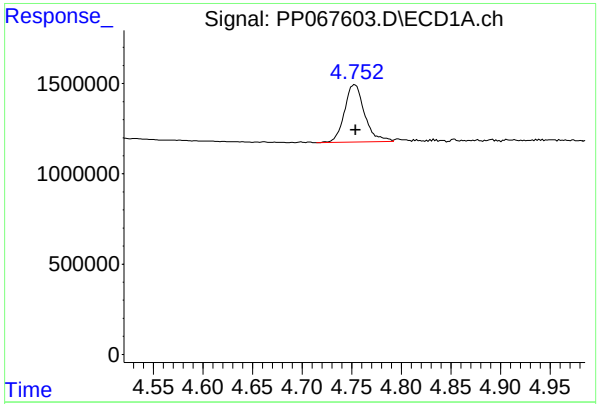
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



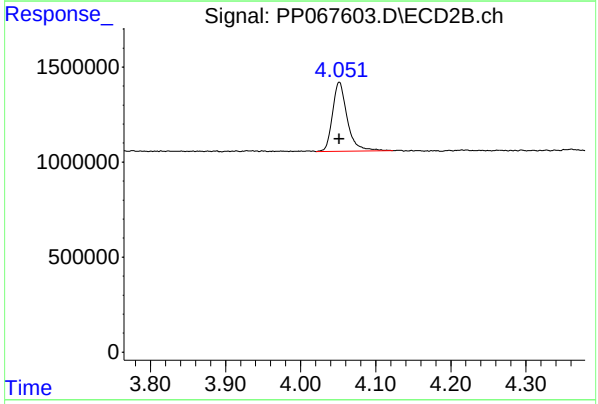




#1 Tetrachloro-m-xylene

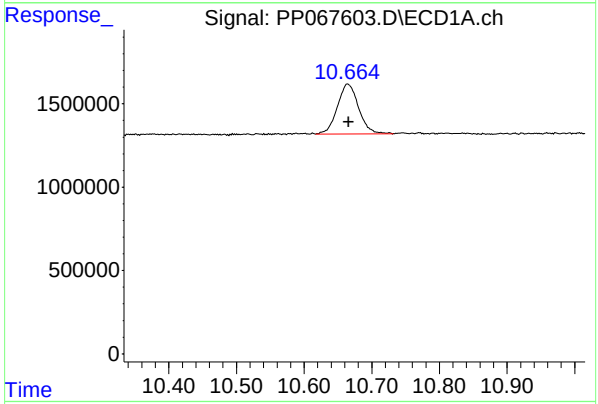
R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 4475784
Conc: 4.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



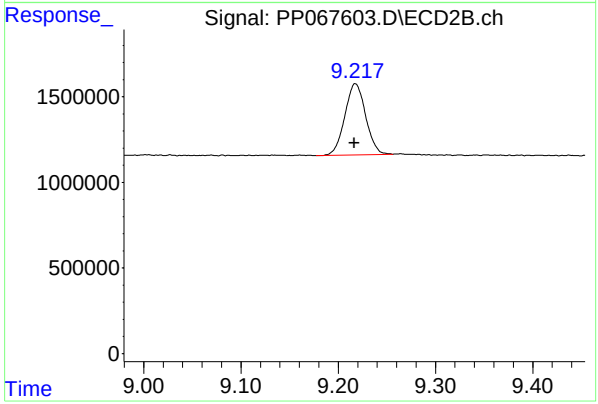
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 4955188
Conc: 4.95 ng/ml



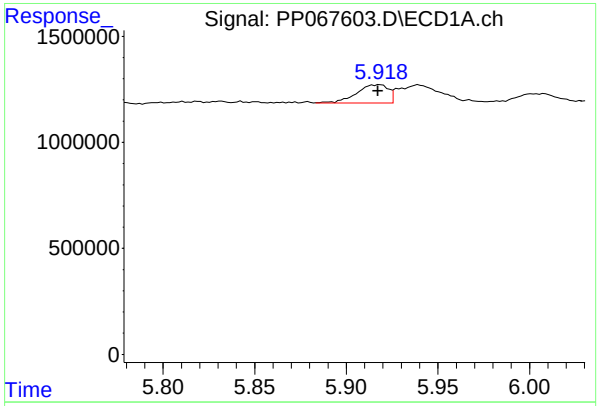
#2 Decachlorobiphenyl

R.T.: 10.664 min
Delta R.T.: -0.001 min
Response: 6512447
Conc: 5.57 ng/ml



#2 Decachlorobiphenyl

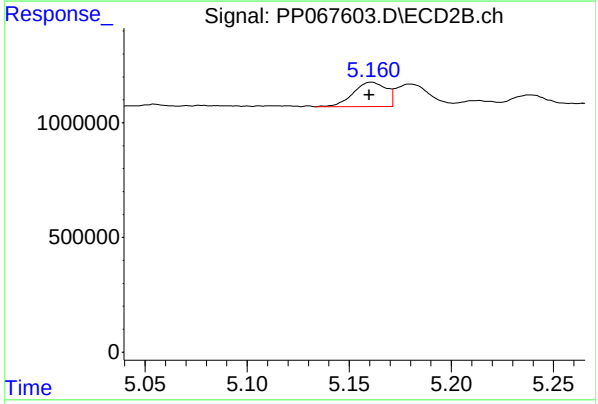
R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 6206078
Conc: 5.48 ng/ml



#21 AR-1248-1

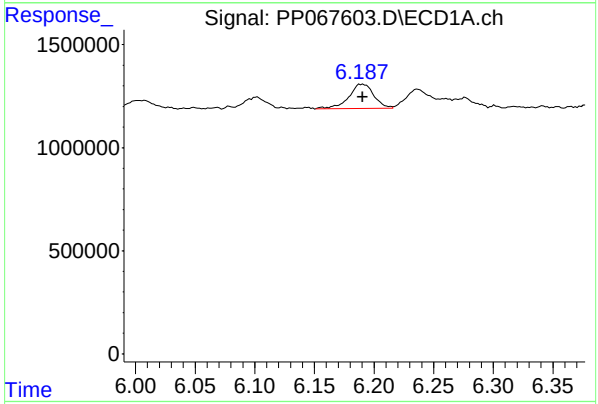
R.T.: 5.918 min
Delta R.T.: 0.001 min
Response: 1039264
Conc: 47.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



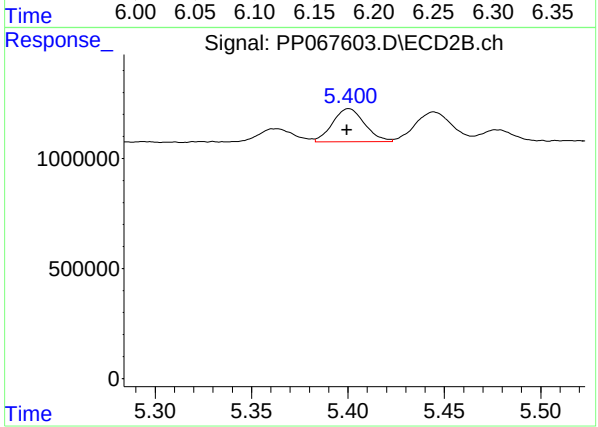
#21 AR-1248-1

R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 1208163
Conc: 52.84 ng/ml



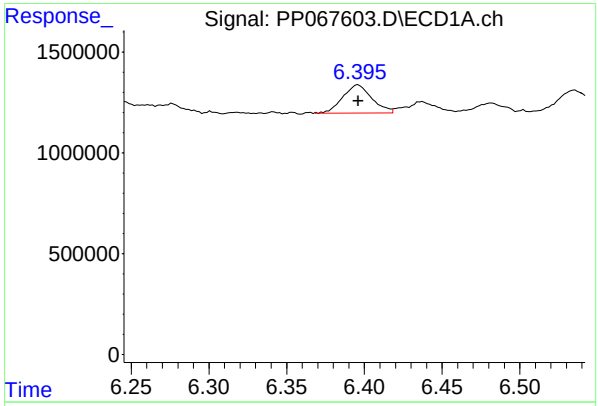
#22 AR-1248-2

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 1735318
Conc: 50.63 ng/ml



#22 AR-1248-2

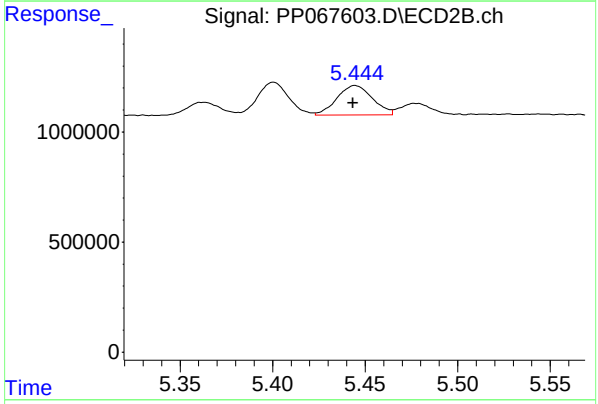
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 1749277
Conc: 52.73 ng/ml



#23 AR-1248-3

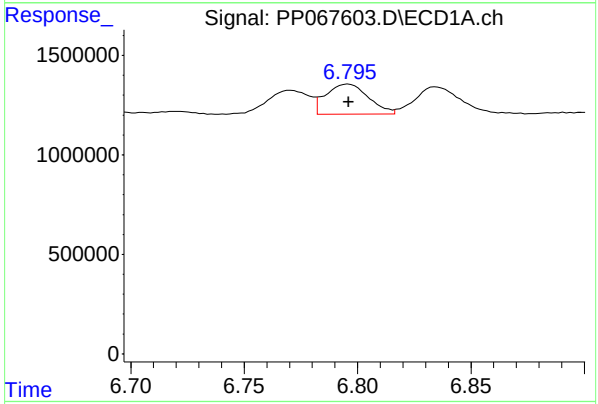
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 1828118
Conc: 48.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



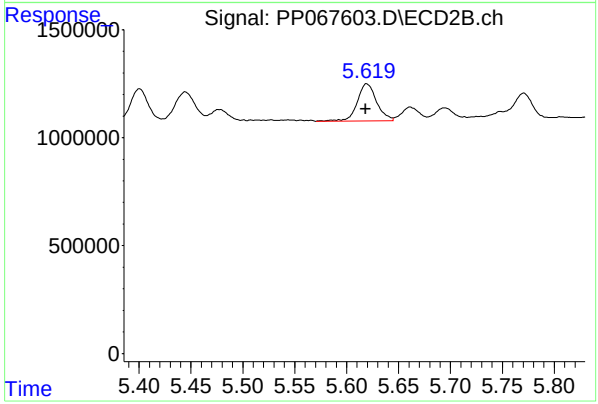
#23 AR-1248-3

R.T.: 5.445 min
Delta R.T.: 0.001 min
Response: 1794734
Conc: 51.74 ng/ml



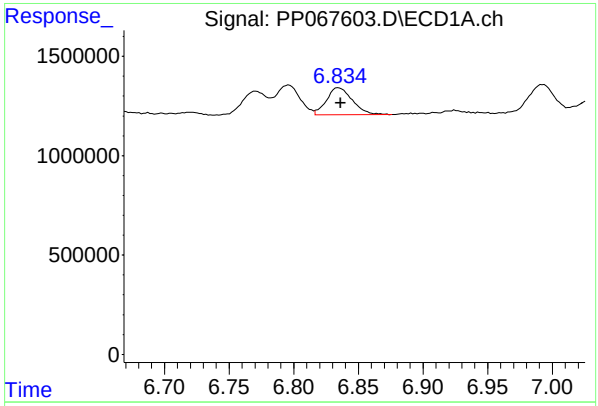
#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 1969132
Conc: 47.11 ng/ml



#24 AR-1248-4

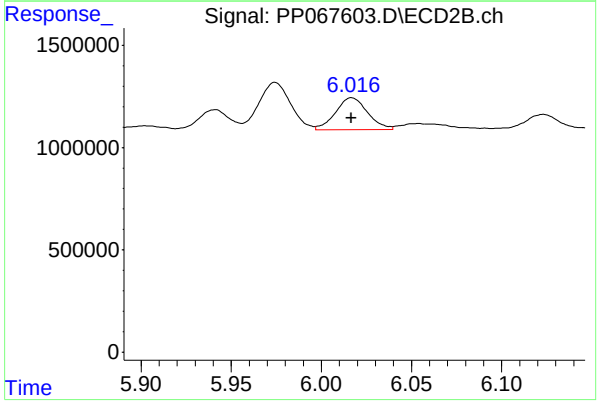
R.T.: 5.619 min
Delta R.T.: 0.001 min
Response: 2246071
Conc: 55.69 ng/ml



#25 AR-1248-5

R.T.: 6.835 min
Delta R.T.: -0.002 mi
Response: 1892267
Conc: 46.17 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 1950657
Conc: 51.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.755	4.052	93136358	96989057	97.408	93.351
2)	SA Decachlor...	10.668	9.218	106.8E6	104.1E6	90.386	91.127
	Target Compounds						
26)	L6 AR-1254-1	6.774	5.976	40350769	53478224	891.057	907.039
27)	L6 AR-1254-2	6.992	6.123	59814731	47135286	909.208	903.899
28)	L6 AR-1254-3	7.356	6.533	64043672	76675976	922.974	921.526
29)	L6 AR-1254-4	7.639	6.761	45989306	44235570	916.896	914.644
30)	L6 AR-1254-5	8.057	7.183	54192853	68142947	907.279	923.842

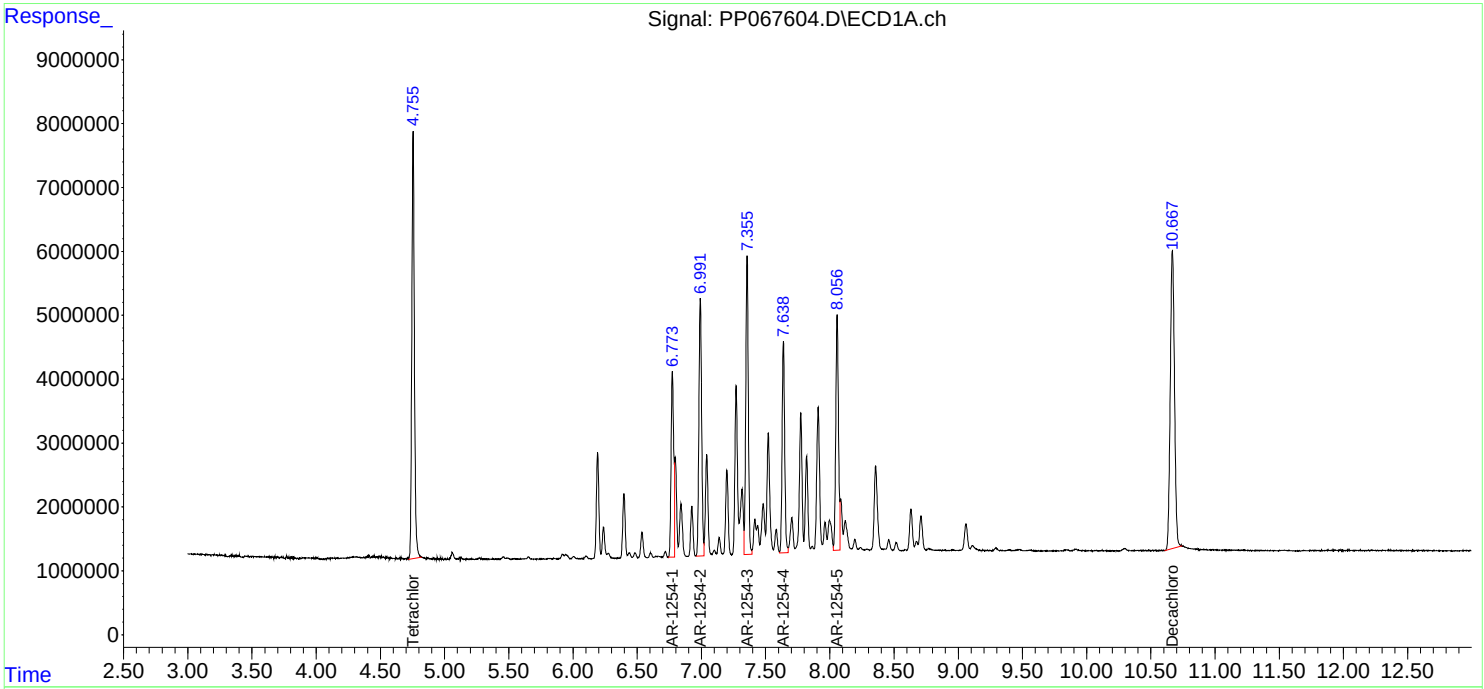
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

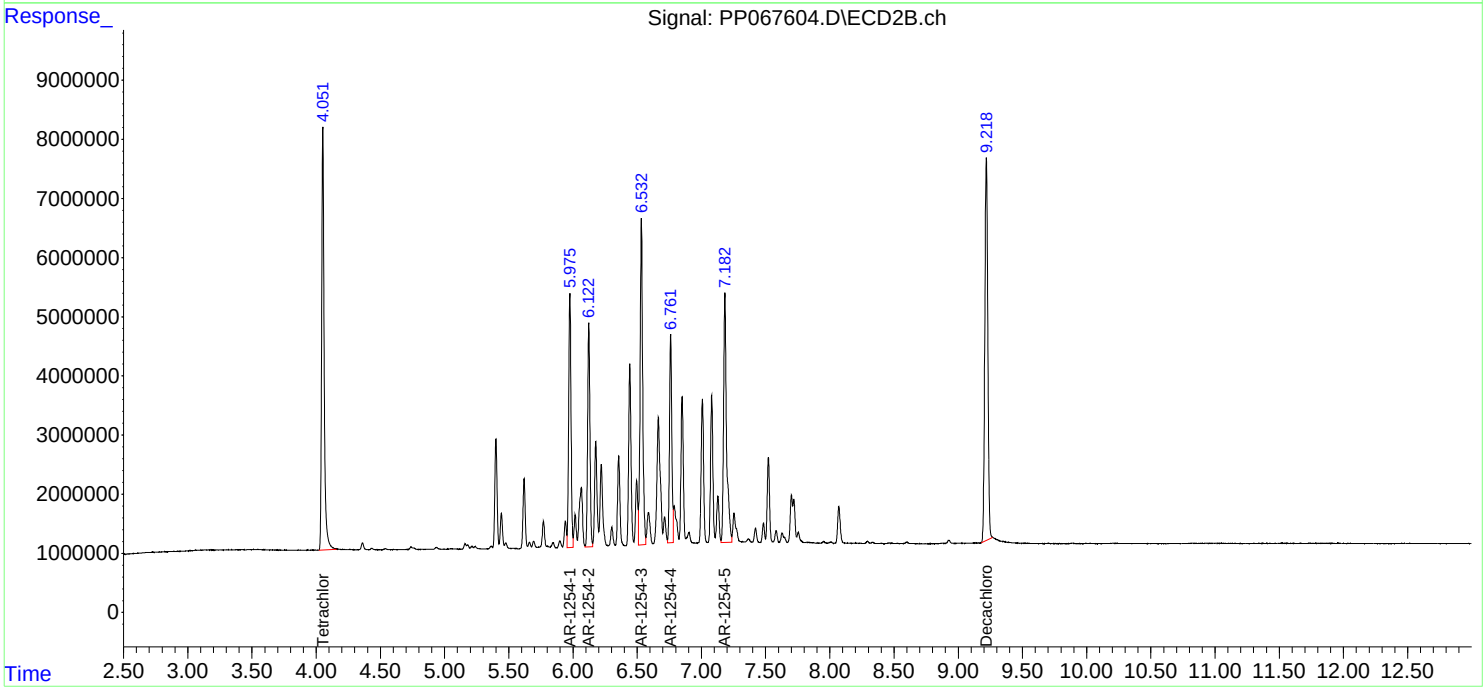
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

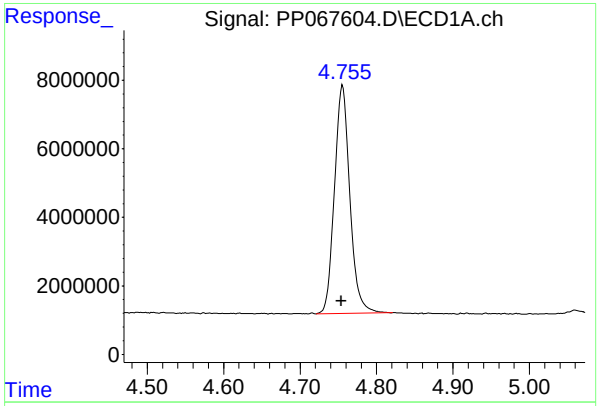
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



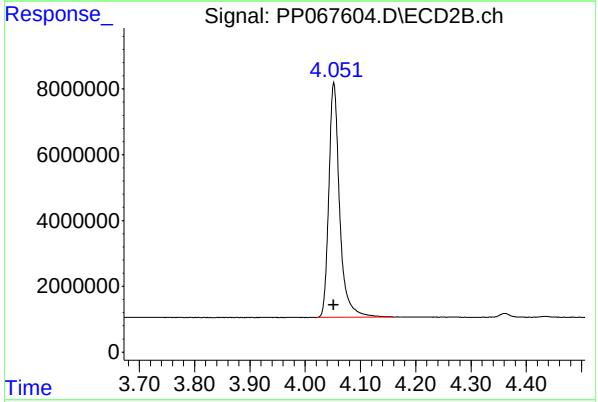




#1 Tetrachloro-m-xylene

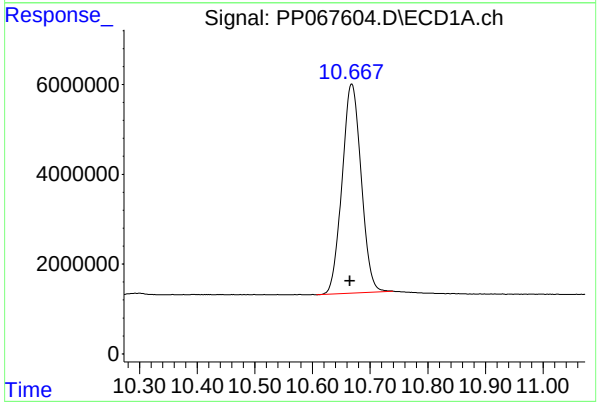
R.T.: 4.755 min
Delta R.T.: 0.001 min
Response: 93136358
Conc: 97.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



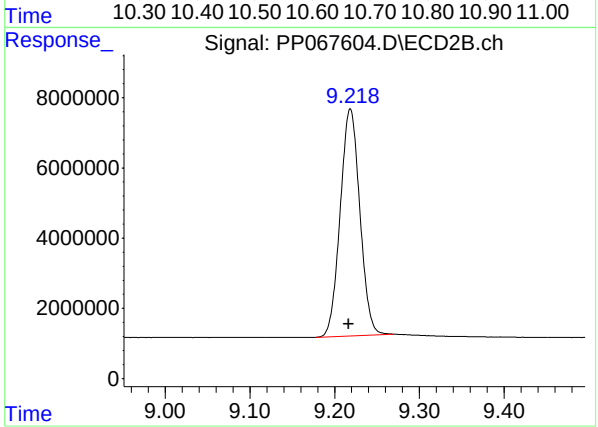
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 96989057
Conc: 93.35 ng/ml



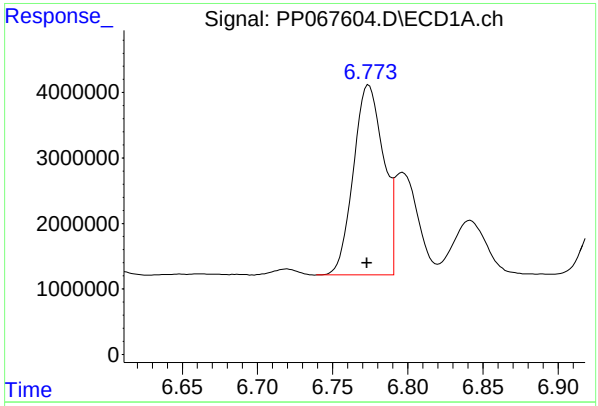
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.003 min
Response: 106849920
Conc: 90.39 ng/ml



#2 Decachlorobiphenyl

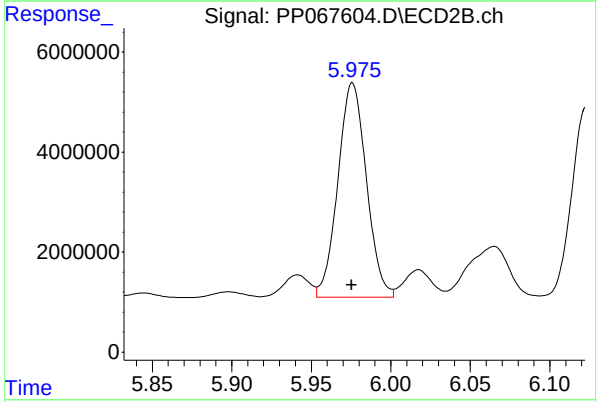
R.T.: 9.218 min
Delta R.T.: 0.002 min
Response: 104116460
Conc: 91.13 ng/ml



#26 AR-1254-1

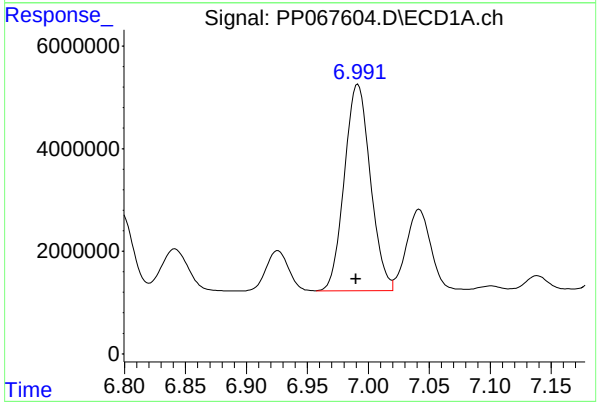
R.T.: 6.774 min
Delta R.T.: 0.001 min
Response: 40350769
Conc: 891.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



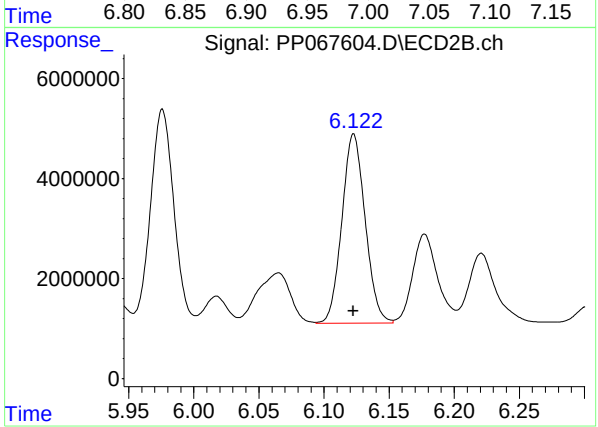
#26 AR-1254-1

R.T.: 5.976 min
Delta R.T.: 0.000 min
Response: 53478224
Conc: 907.04 ng/ml



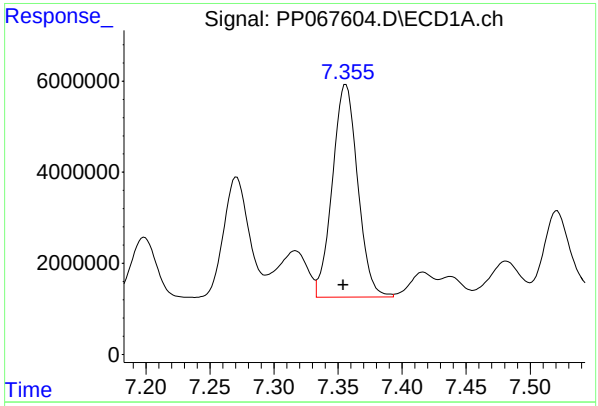
#27 AR-1254-2

R.T.: 6.992 min
Delta R.T.: 0.002 min
Response: 59814731
Conc: 909.21 ng/ml



#27 AR-1254-2

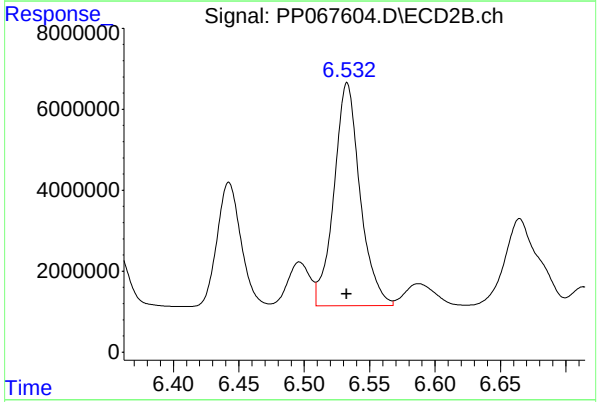
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 47135286
Conc: 903.90 ng/ml



#28 AR-1254-3

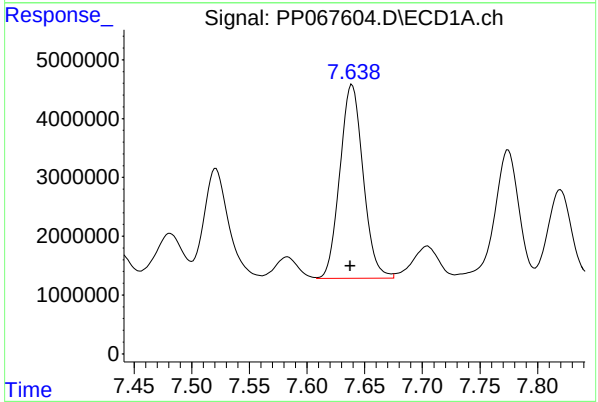
R.T.: 7.356 min
Delta R.T.: 0.002 min
Response: 64043672
Conc: 922.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



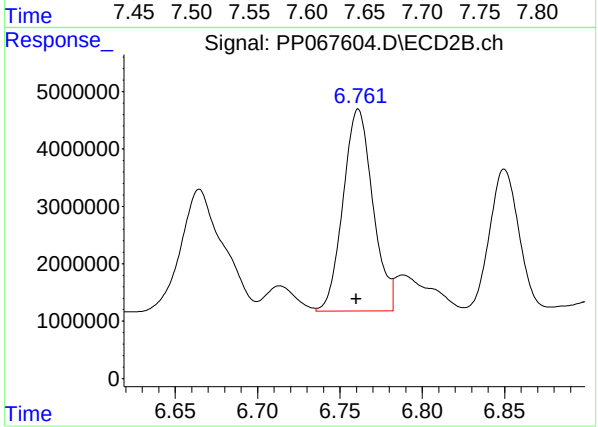
#28 AR-1254-3

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 76675976
Conc: 921.53 ng/ml



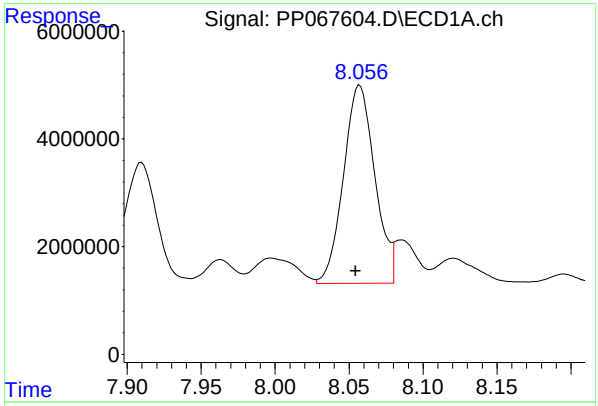
#29 AR-1254-4

R.T.: 7.639 min
Delta R.T.: 0.002 min
Response: 45989306
Conc: 916.90 ng/ml



#29 AR-1254-4

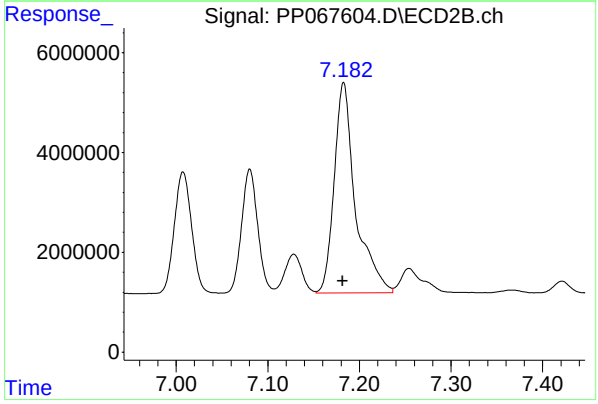
R.T.: 6.761 min
Delta R.T.: 0.001 min
Response: 44235570
Conc: 914.64 ng/ml



#30 AR-1254-5

R.T.: 8.057 min
Delta R.T.: 0.003 min
Response: 54192853
Conc: 907.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 7.183 min
Delta R.T.: 0.001 min
Response: 68142947
Conc: 923.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.051	70192351	74352040	73.411	71.563
2)	SA Decachlor...	10.667	9.217	82958706	81163692	70.176	71.038
	Target Compounds						
26)	L6 AR-1254-1	6.773	5.974	31561919	41171965	696.975	698.314
27)	L6 AR-1254-2	6.990	6.122	46597143	36504234	708.296	700.030
28)	L6 AR-1254-3	7.355	6.532	49373386	58927028	711.552	708.211
29)	L6 AR-1254-4	7.637	6.760	35595125	34454732	709.666	712.409
30)	L6 AR-1254-5	8.055	7.181	42804650	53003573	716.622m	718.591

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

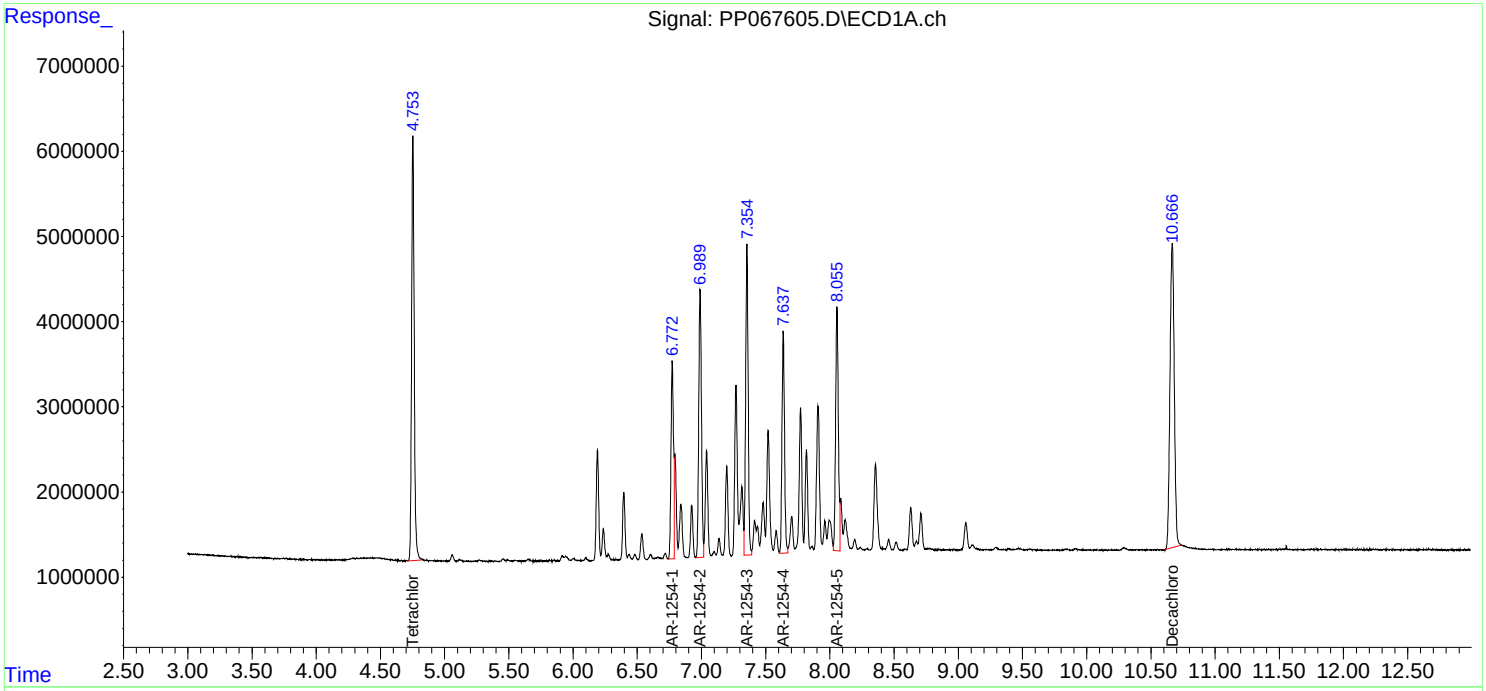
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

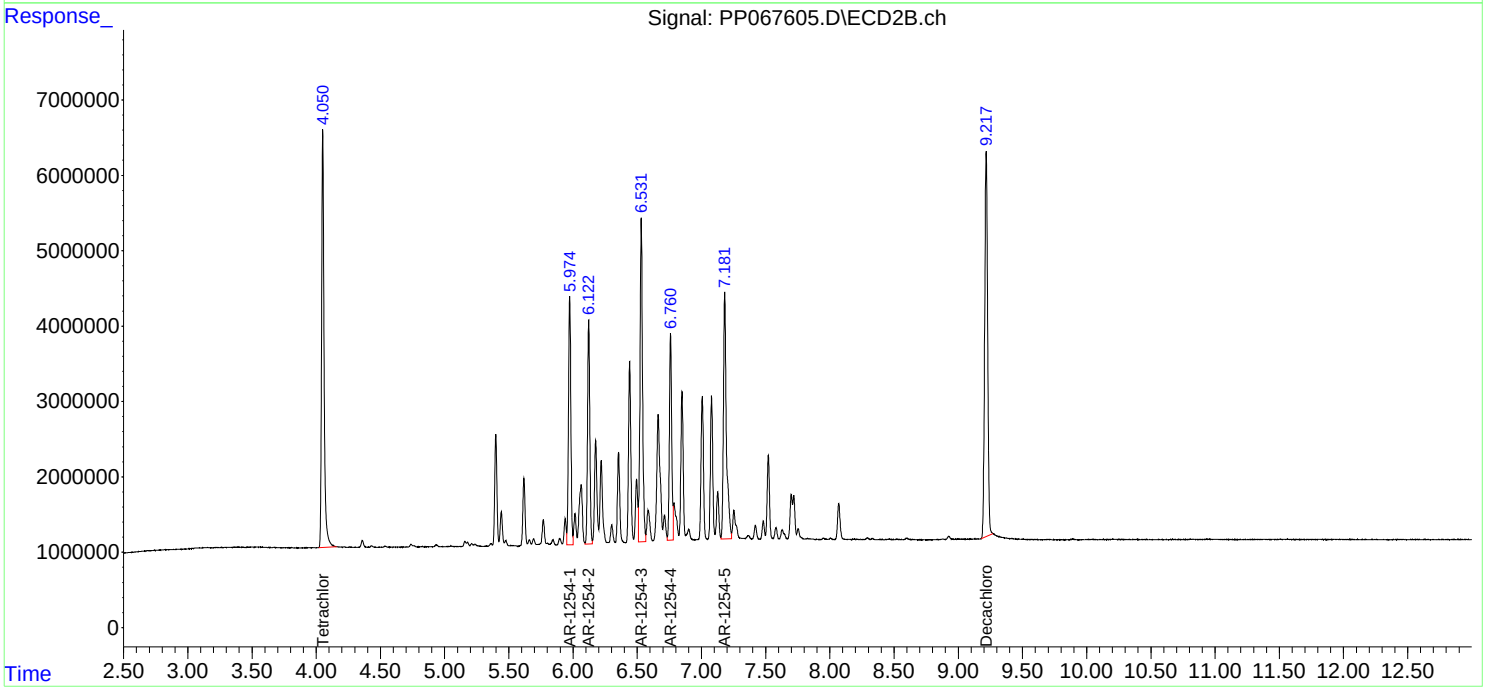
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

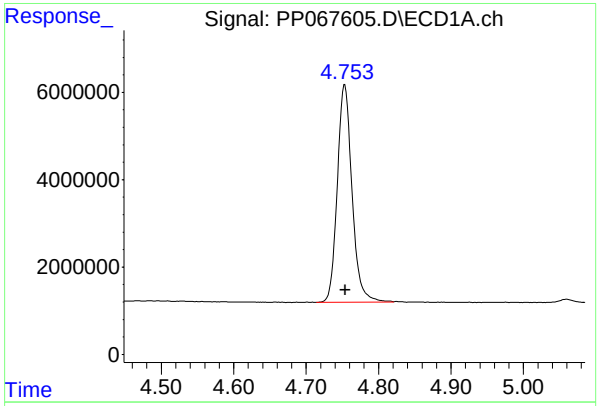
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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







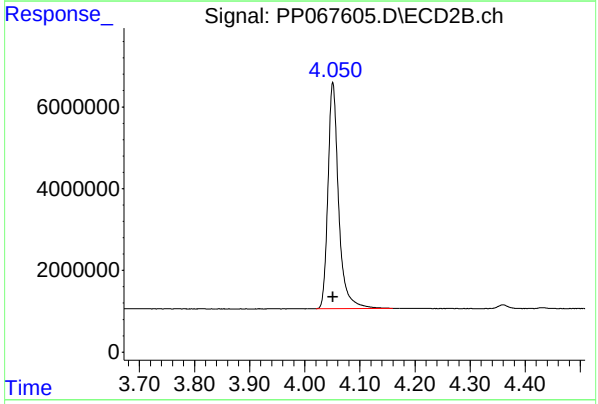
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 70192351
Conc: 73.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

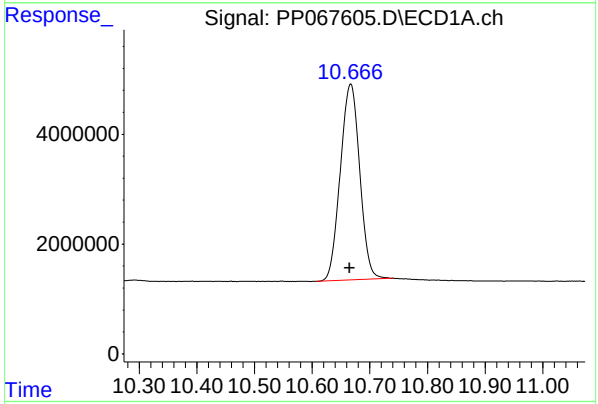
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



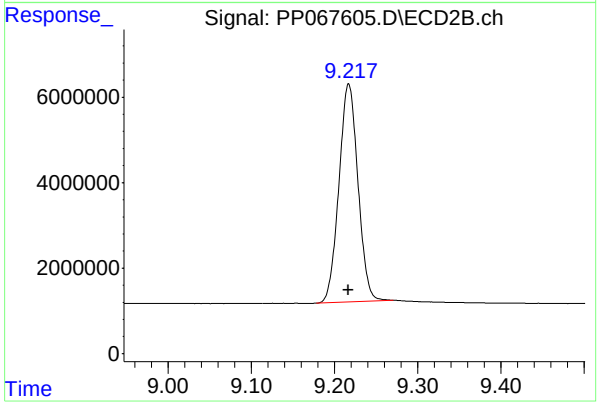
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 74352040
Conc: 71.56 ng/ml



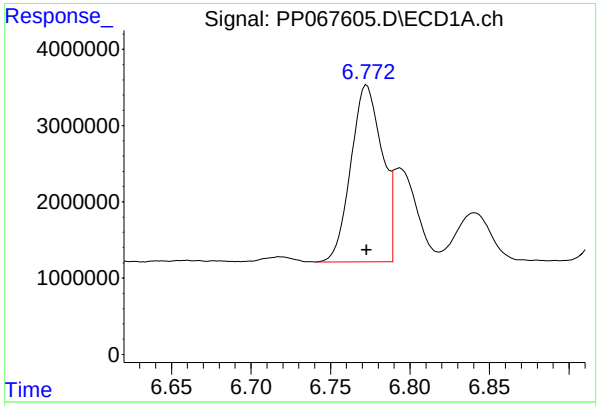
#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.002 min
Response: 82958706
Conc: 70.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 81163692
Conc: 71.04 ng/ml



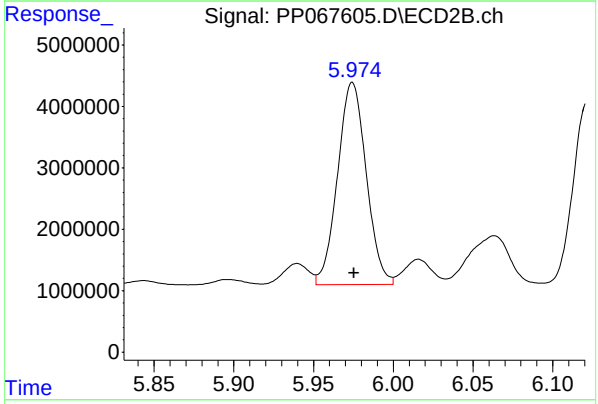
#26 AR-1254-1

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 31561919
Conc: 696.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

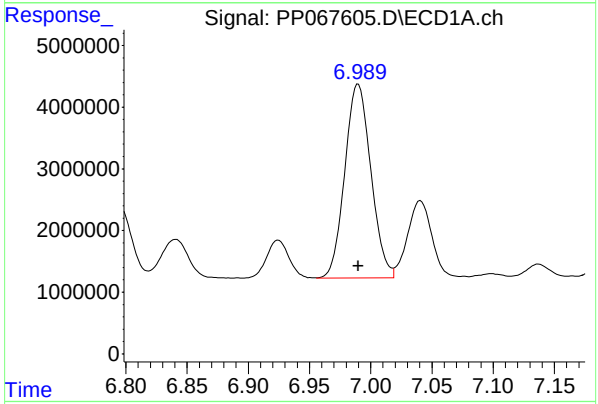
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



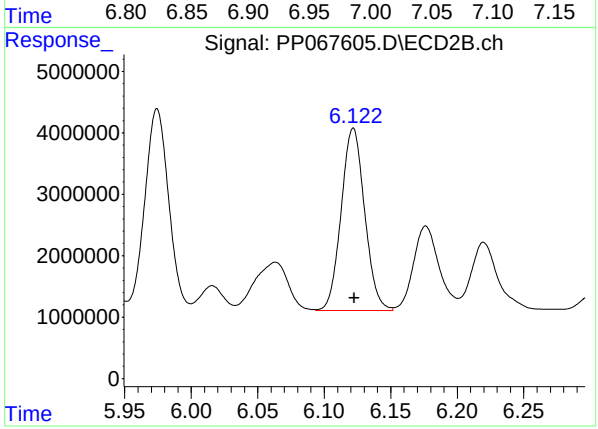
#26 AR-1254-1

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 41171965
Conc: 698.31 ng/ml



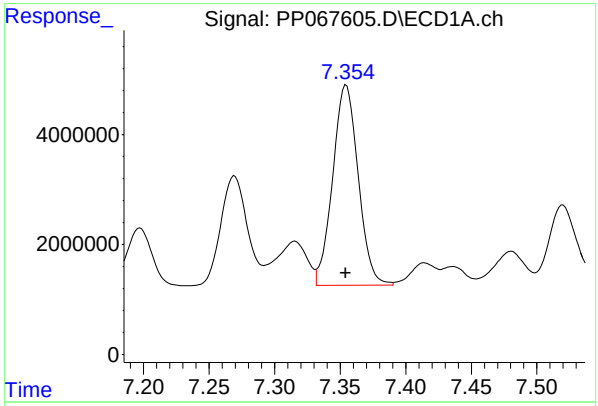
#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 46597143
Conc: 708.30 ng/ml



#27 AR-1254-2

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 36504234
Conc: 700.03 ng/ml



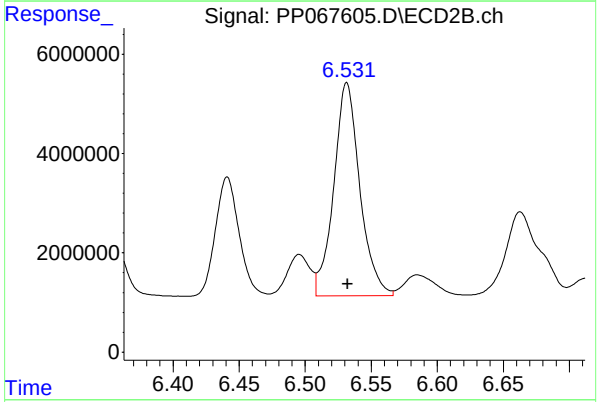
#28 AR-1254-3

R.T.: 7.355 min
Delta R.T.: 0.000 min
Response: 49373386
Conc: 711.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

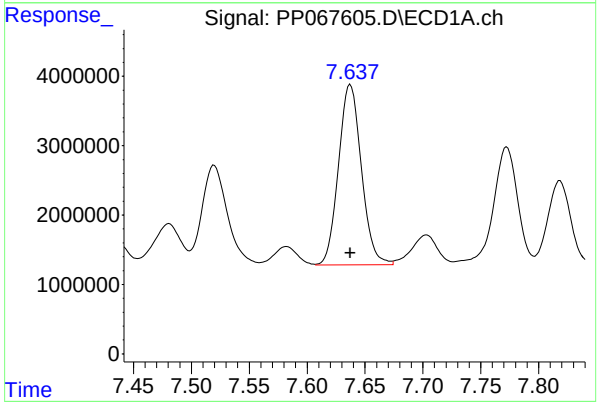
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



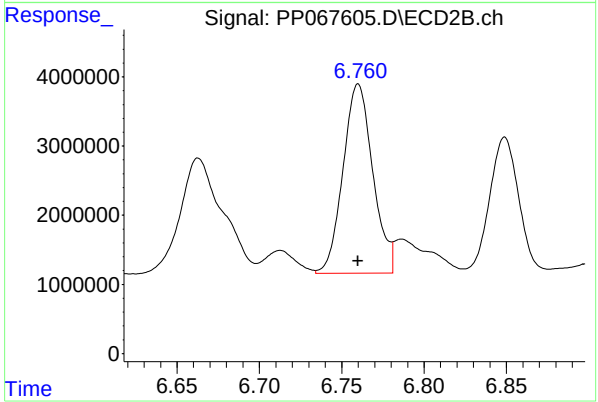
#28 AR-1254-3

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 58927028
Conc: 708.21 ng/ml



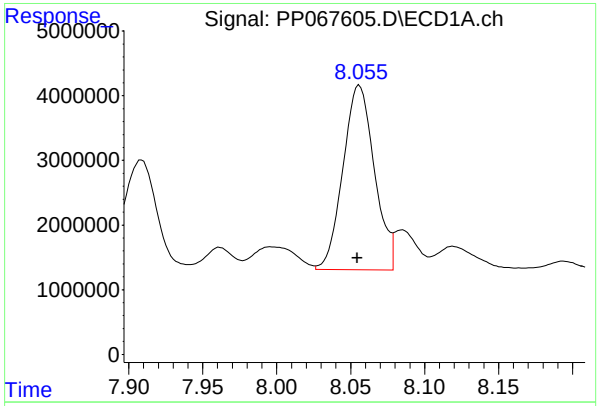
#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 35595125
Conc: 709.67 ng/ml



#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 34454732
Conc: 712.41 ng/ml



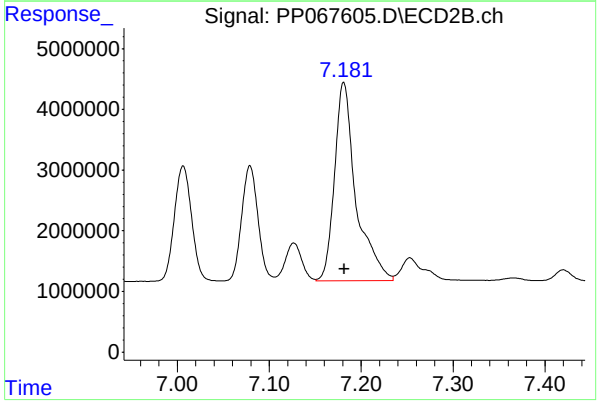
#30 AR-1254-5

R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 42804650
Conc: 716.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#30 AR-1254-5

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 53003573
Conc: 718.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	47807478	51948776	50.000	50.000
2)	SA Decachlor...	10.665	9.217	59107523	57126860	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.773	5.975	22642078	29479569	500.000	500.000
27)	L6 AR-1254-2	6.990	6.122	32893849	26073326	500.000	500.000
28)	L6 AR-1254-3	7.354	6.532	34694173	41602708	500.000	500.000
29)	L6 AR-1254-4	7.637	6.760	25078789	24181840	500.000	500.000
30)	L6 AR-1254-5	8.055	7.182	29926276	36880207	501.016m	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

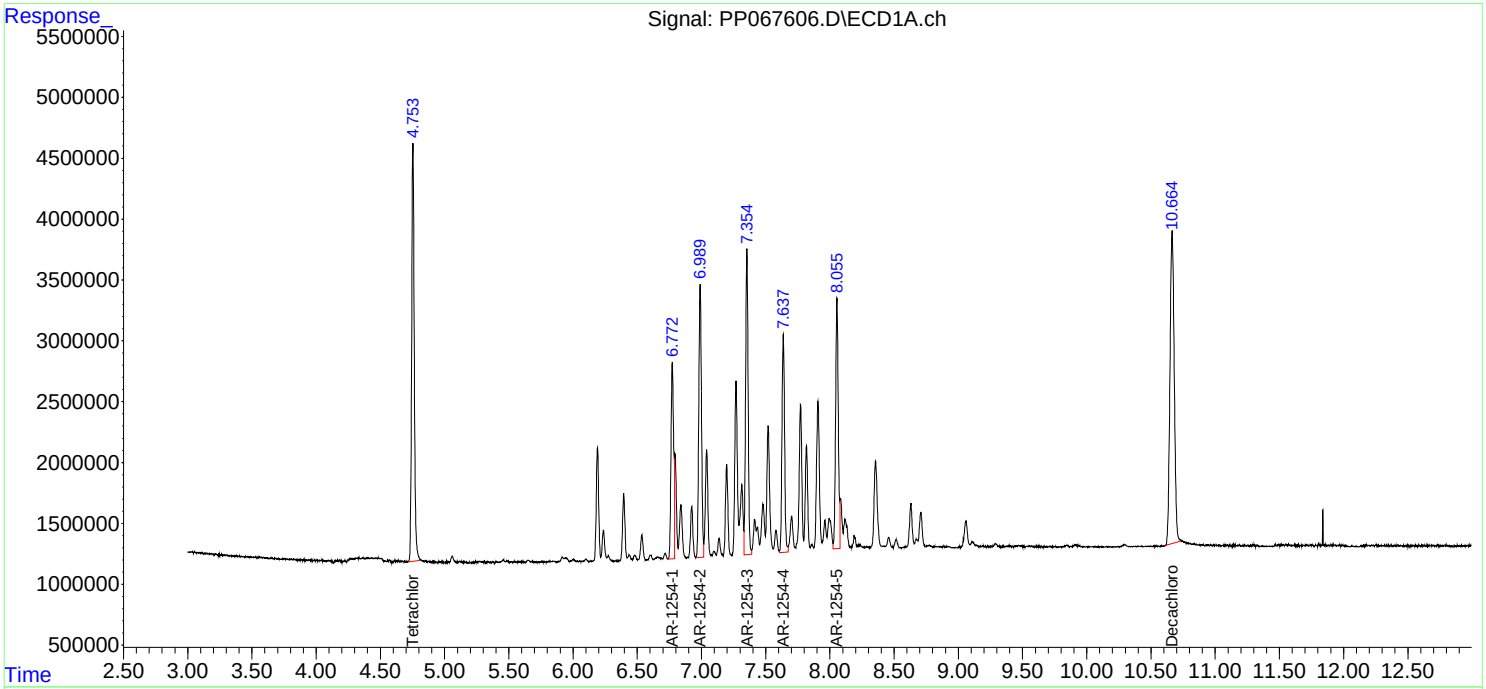
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

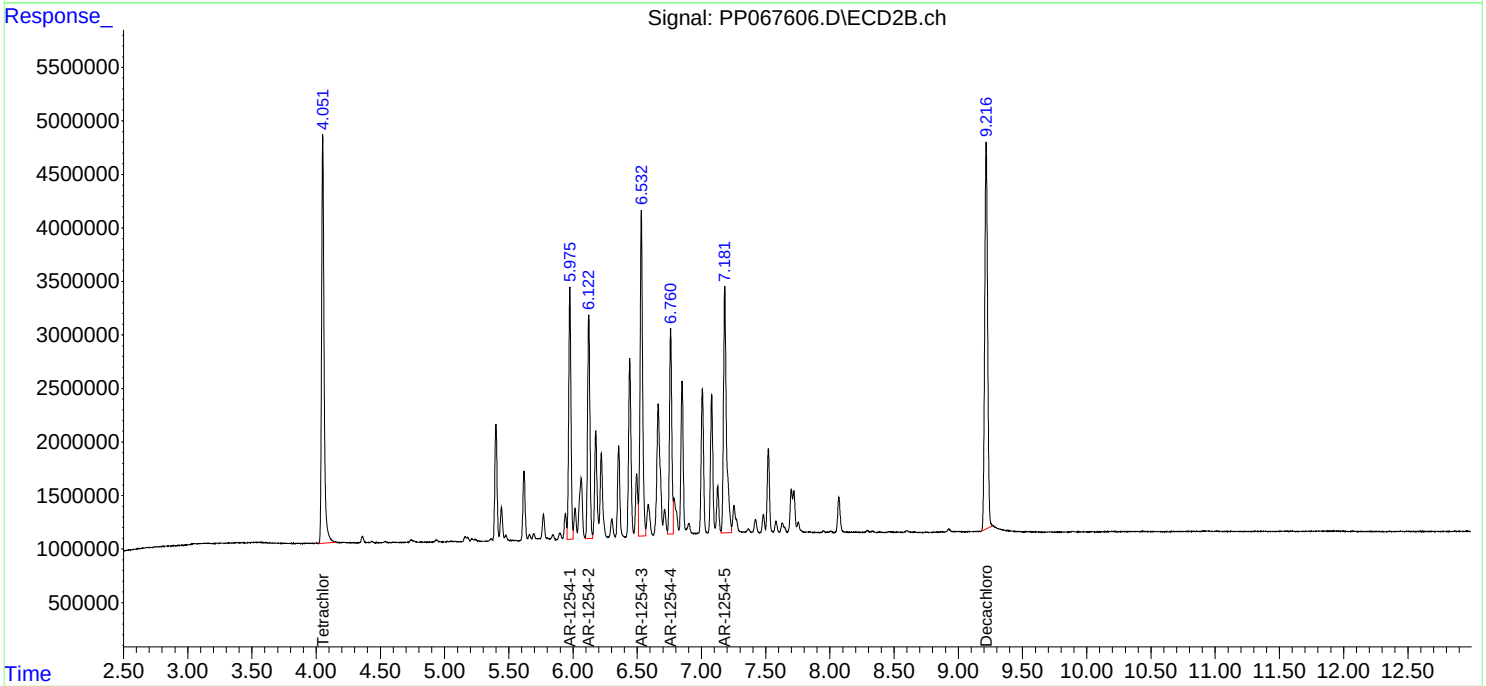
Manual Integrations APPROVED

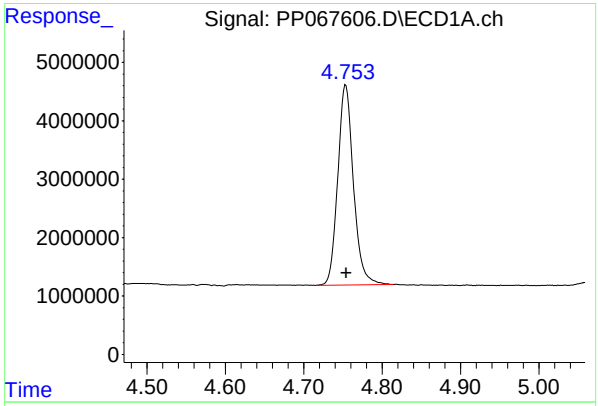
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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







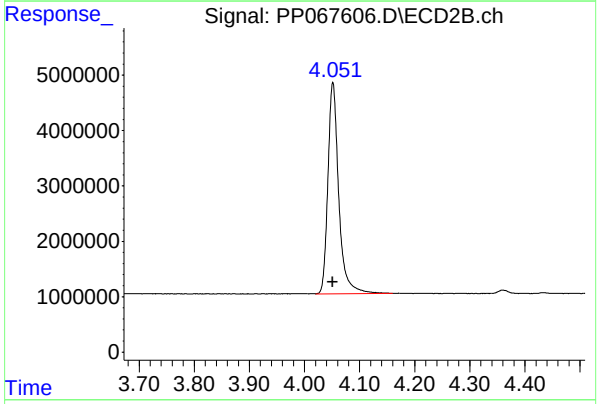
#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 47807478
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

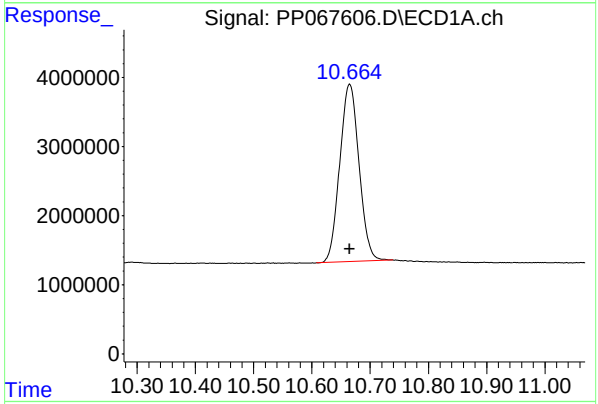
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



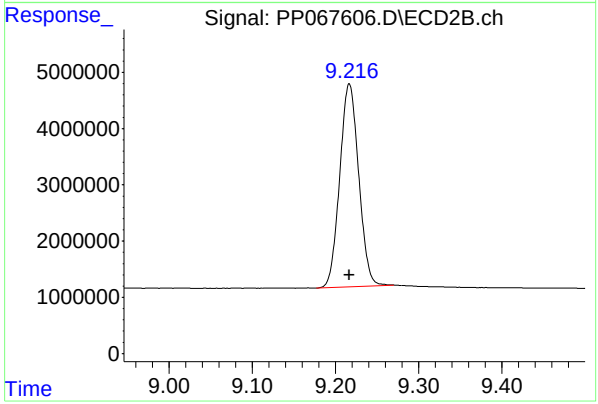
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51948776
Conc: 50.00 ng/ml



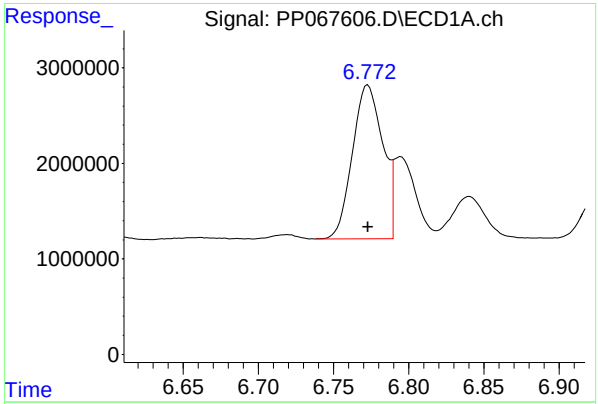
#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 59107523
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 57126860
Conc: 50.00 ng/ml



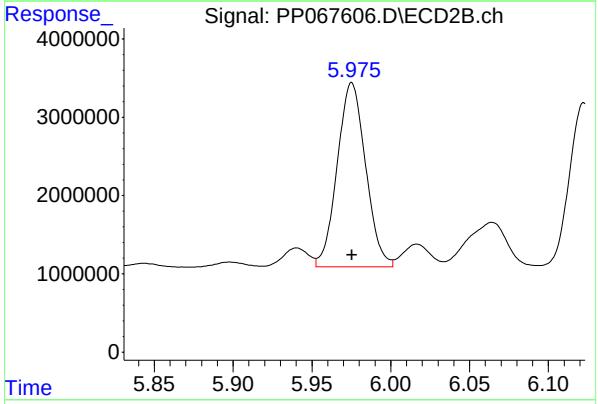
#26 AR-1254-1

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 22642078
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

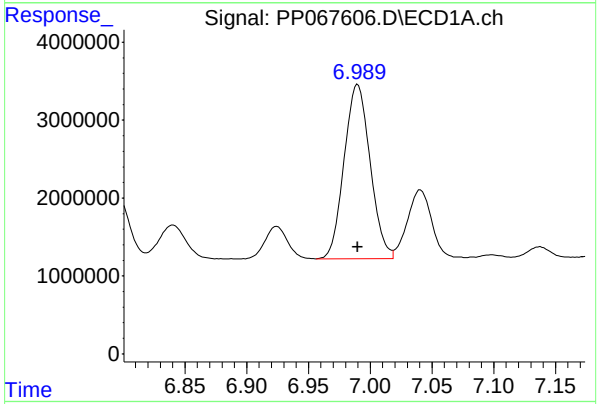
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



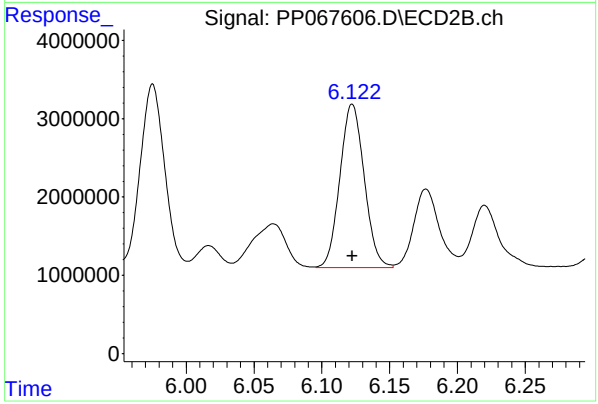
#26 AR-1254-1

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 29479569
Conc: 500.00 ng/ml



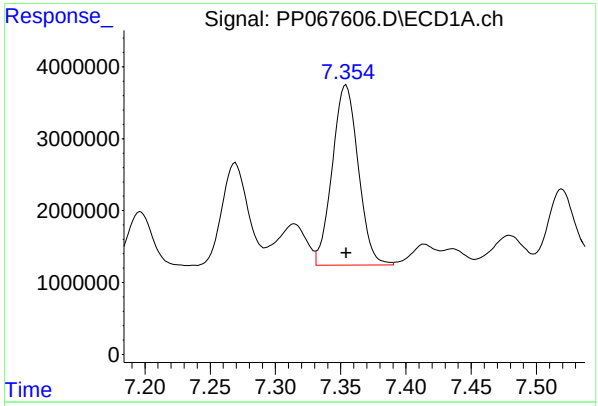
#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 32893849
Conc: 500.00 ng/ml



#27 AR-1254-2

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 26073326
Conc: 500.00 ng/ml



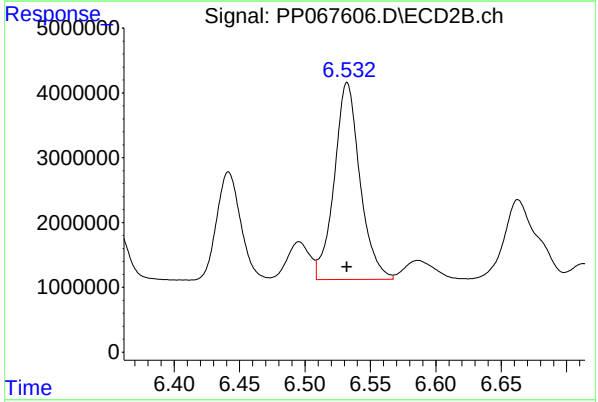
#28 AR-1254-3

R.T.: 7.354 min
Delta R.T.: 0.000 min
Response: 34694173
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

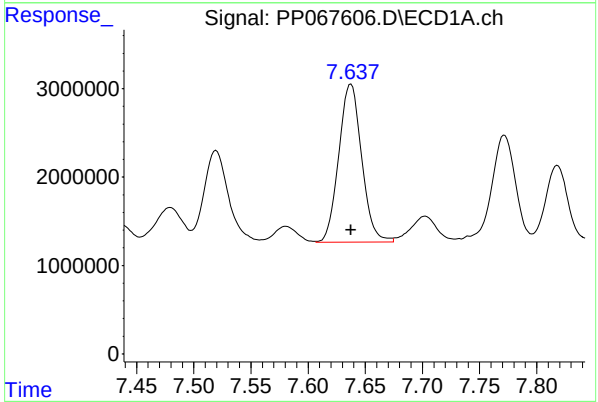
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



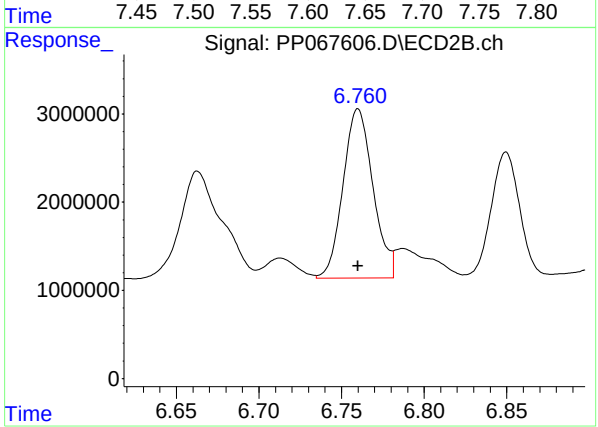
#28 AR-1254-3

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 41602708
Conc: 500.00 ng/ml



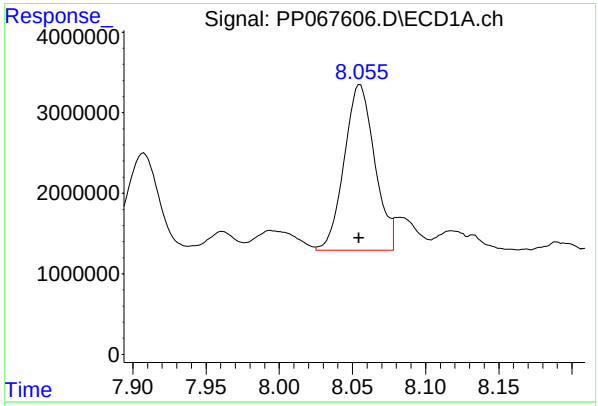
#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 25078789
Conc: 500.00 ng/ml



#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 24181840
Conc: 500.00 ng/ml



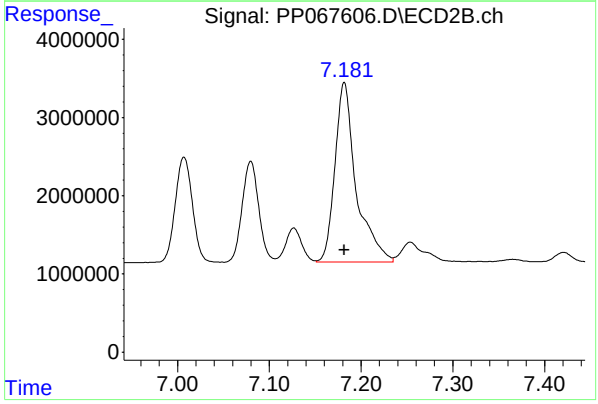
#30 AR-1254-5

R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 29926276
Conc: 501.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 36880207
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	24728991	26617685	25.863	25.619
2)	SA Decachlor...	10.667	9.218	32450308	31106143	27.450	27.225
	Target Compounds						
26)	L6 AR-1254-1	6.773	5.975	12217138	16021364	269.788	271.737
27)	L6 AR-1254-2	6.990	6.123	17906285	14230610	272.183	272.896
28)	L6 AR-1254-3	7.355	6.533	18695673	22271744	269.435	267.672
29)	L6 AR-1254-4	7.637	6.761	13605001	12984675	271.245	268.480
30)	L6 AR-1254-5	8.056	7.182	16027101	19703311	268.321	267.126

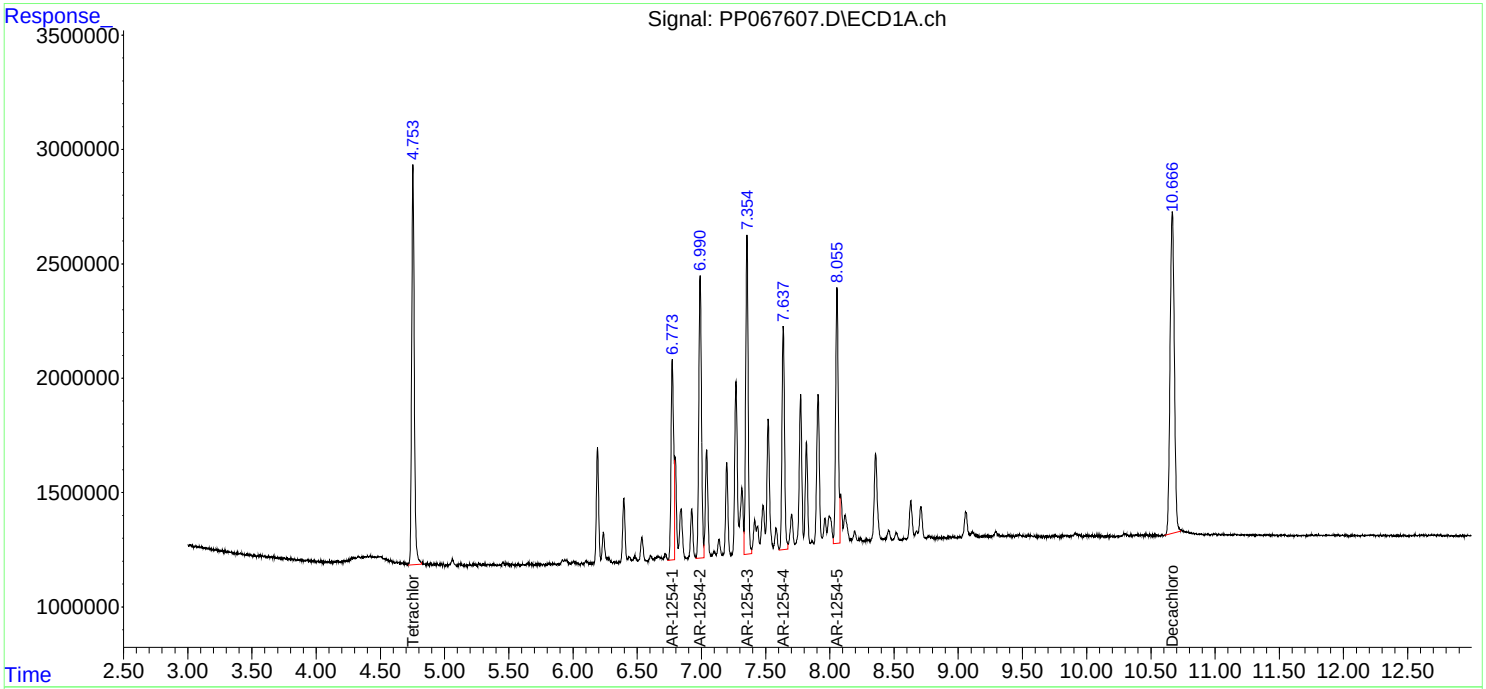
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

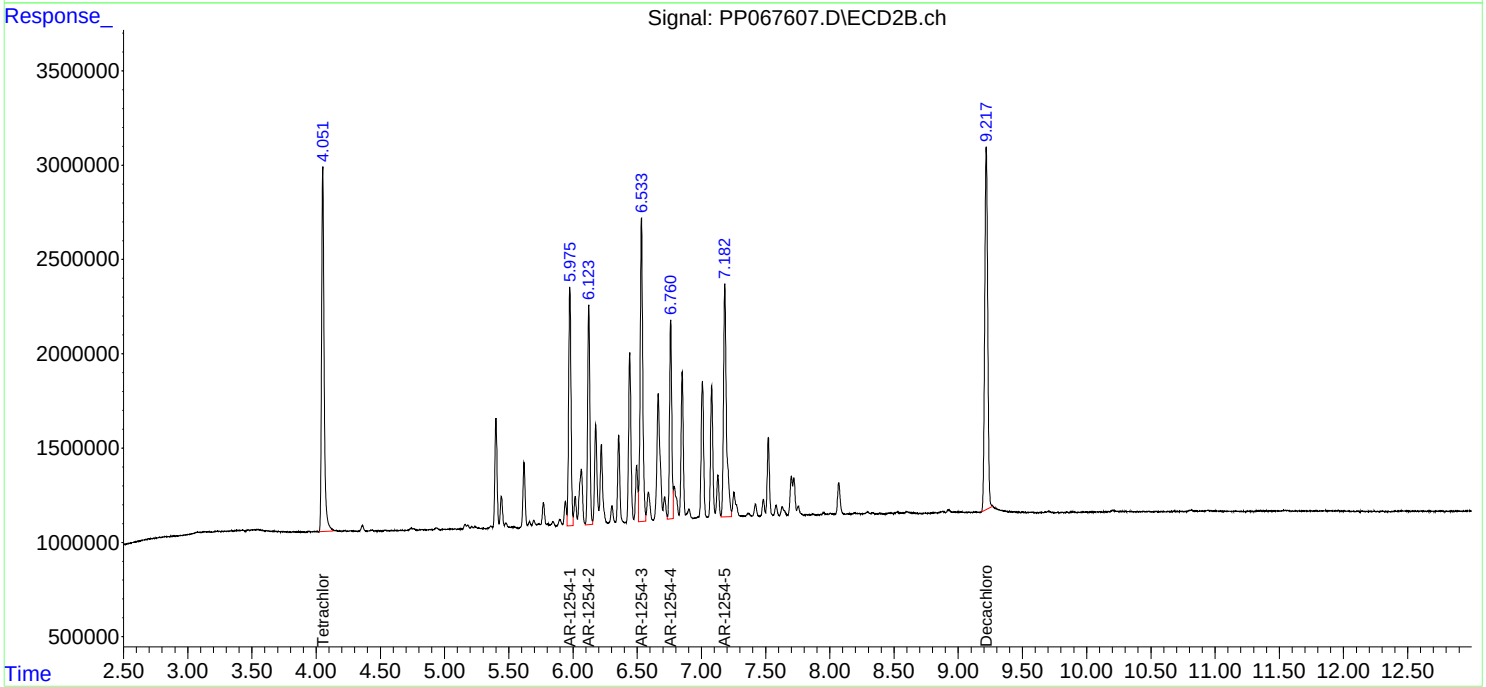
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

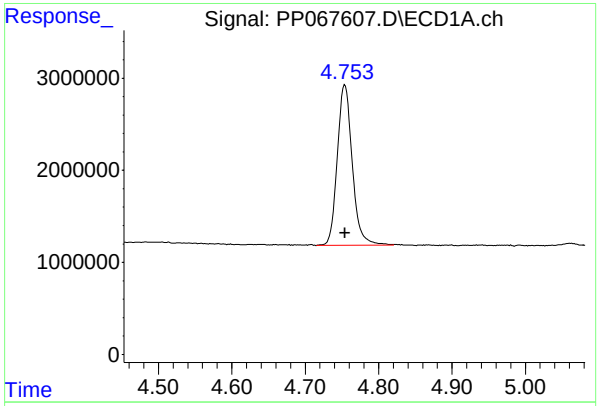
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



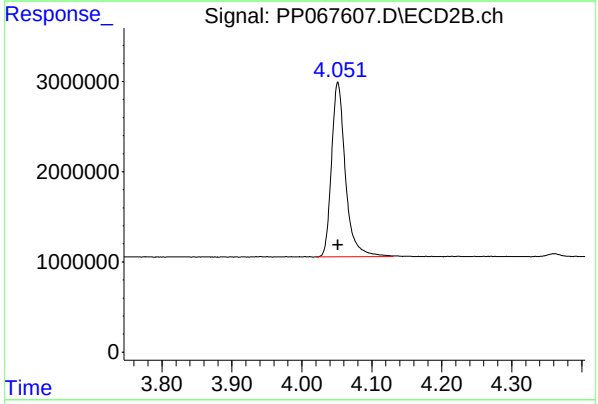




#1 Tetrachloro-m-xylene

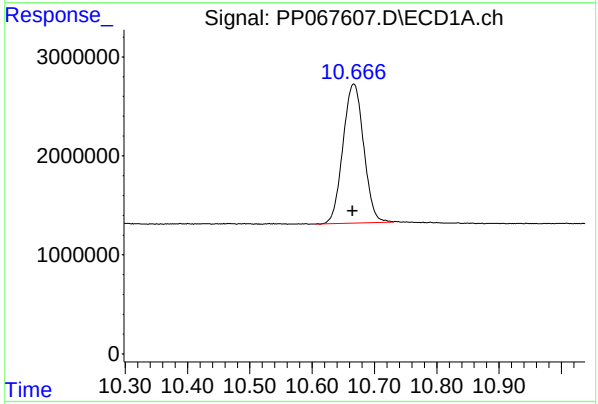
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 24728991
Conc: 25.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



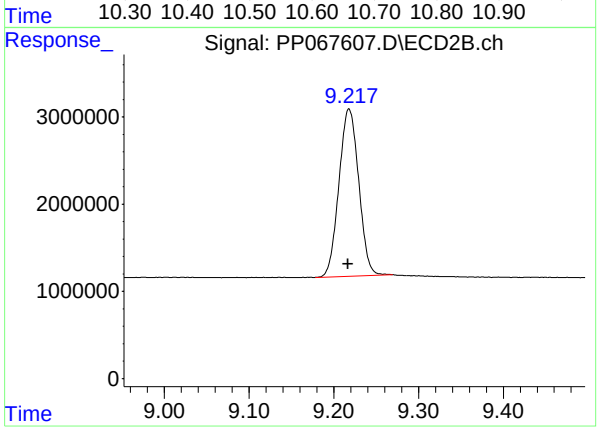
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 26617685
Conc: 25.62 ng/ml



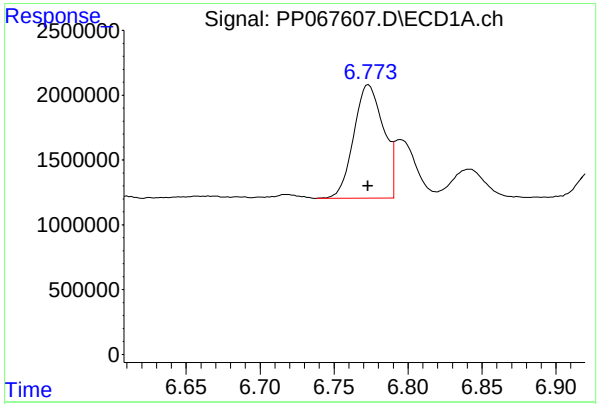
#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.002 min
Response: 32450308
Conc: 27.45 ng/ml



#2 Decachlorobiphenyl

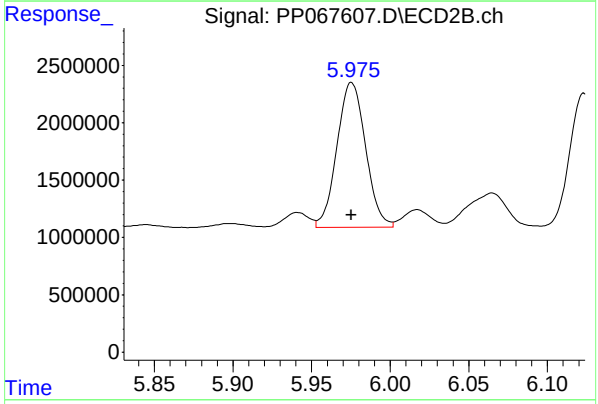
R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 31106143
Conc: 27.23 ng/ml



#26 AR-1254-1

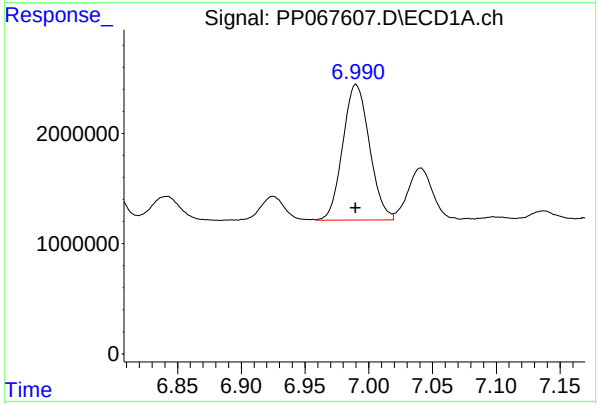
R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 12217138
Conc: 269.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



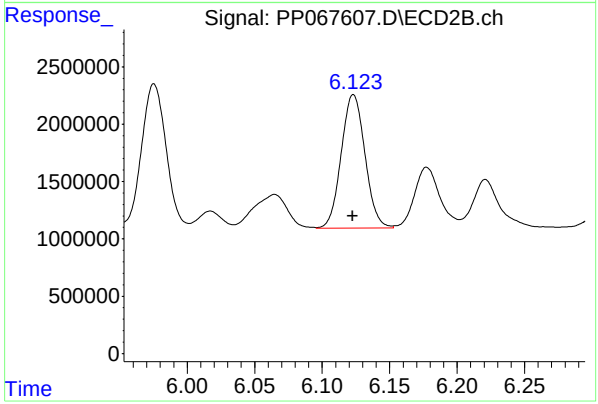
#26 AR-1254-1

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 16021364
Conc: 271.74 ng/ml



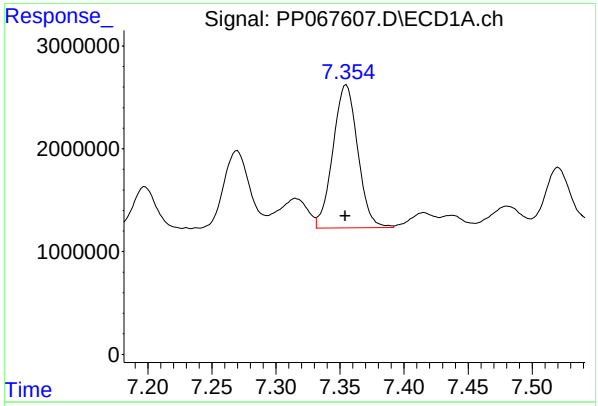
#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 17906285
Conc: 272.18 ng/ml



#27 AR-1254-2

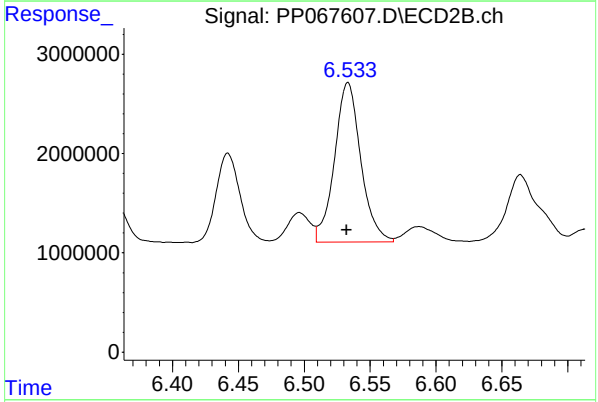
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 14230610
Conc: 272.90 ng/ml



#28 AR-1254-3

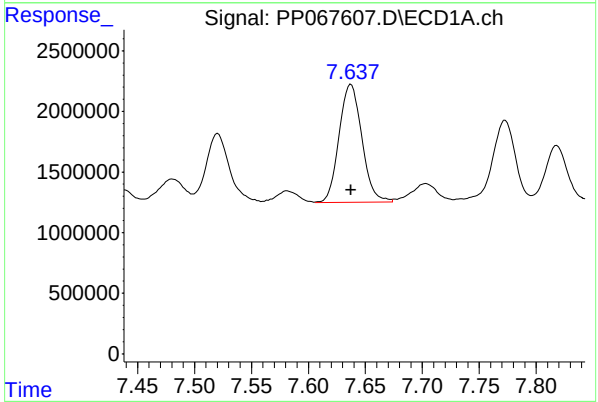
R.T.: 7.355 min
Delta R.T.: 0.000 min
Response: 18695673
Conc: 269.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



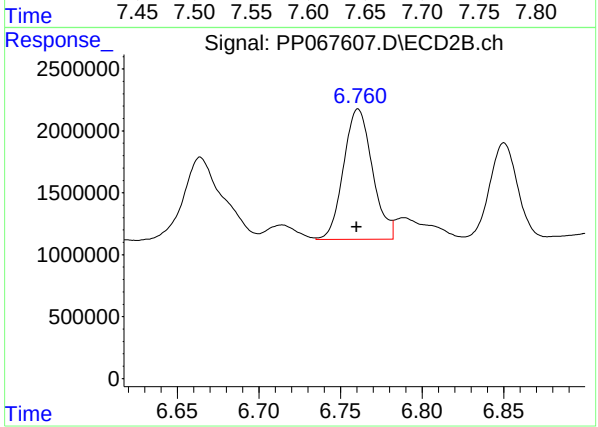
#28 AR-1254-3

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 22271744
Conc: 267.67 ng/ml



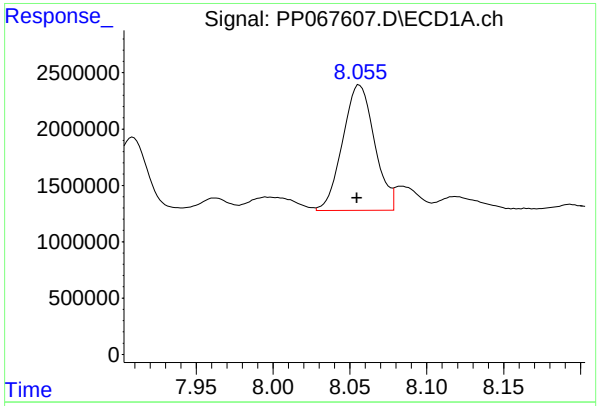
#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 13605001
Conc: 271.25 ng/ml



#29 AR-1254-4

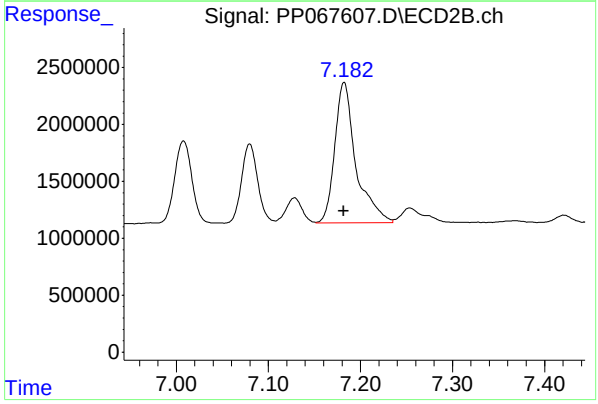
R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 12984675
Conc: 268.48 ng/ml



#30 AR-1254-5

R.T.: 8.056 min
Delta R.T.: 0.002 min
Response: 16027101
Conc: 268.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 19703311
Conc: 267.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	4394026	4972328	4.596	4.786
2)	SA Decachlor...	10.664	9.218	6314277	6350903	5.341	5.559
	Target Compounds						
26)	L6 AR-1254-1	6.772	5.976	2366321	3200036	52.255m	54.275
27)	L6 AR-1254-2	6.990	6.123	3556583	2872212	54.062	55.080
28)	L6 AR-1254-3	7.355	6.533	3660885	4425126	52.759	53.183
29)	L6 AR-1254-4	7.637	6.760	2574785	2544683	51.334	52.616m
30)	L6 AR-1254-5	8.056	7.182	3061843	3818409	51.260	51.768

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

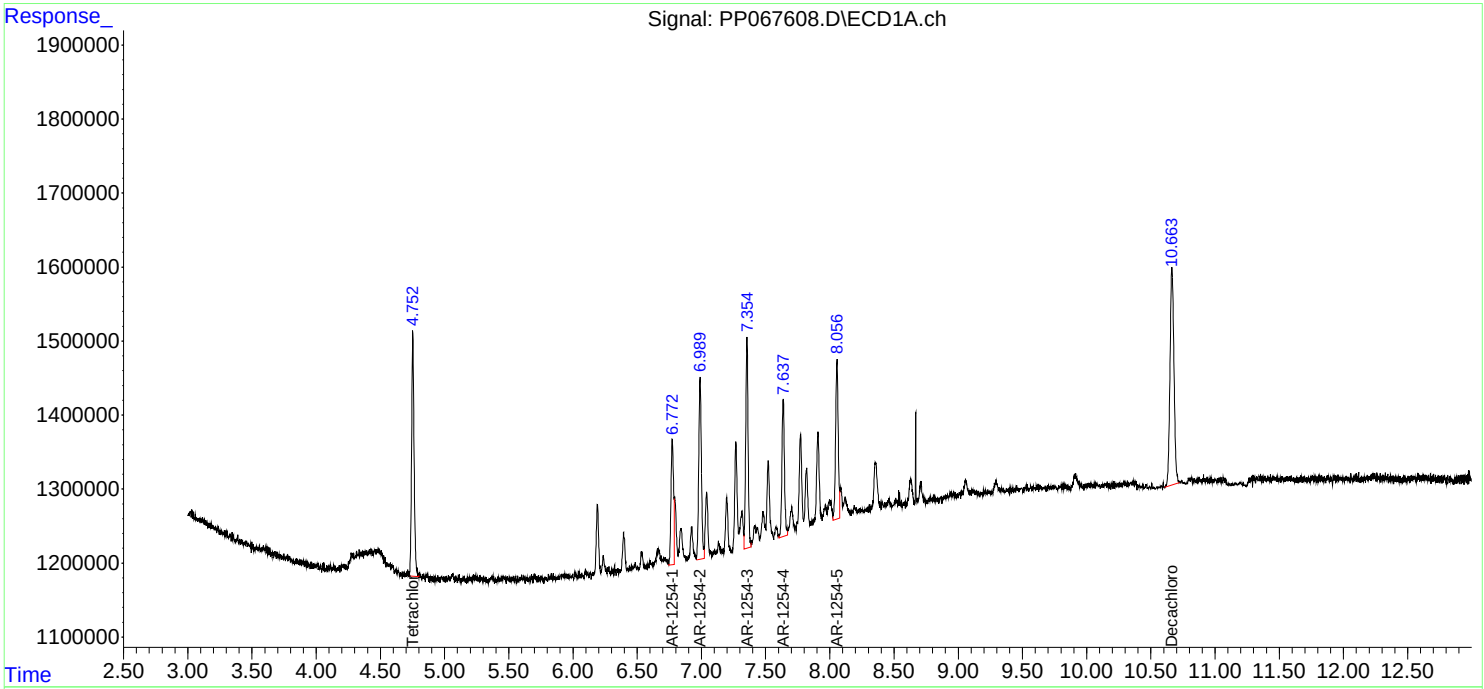
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

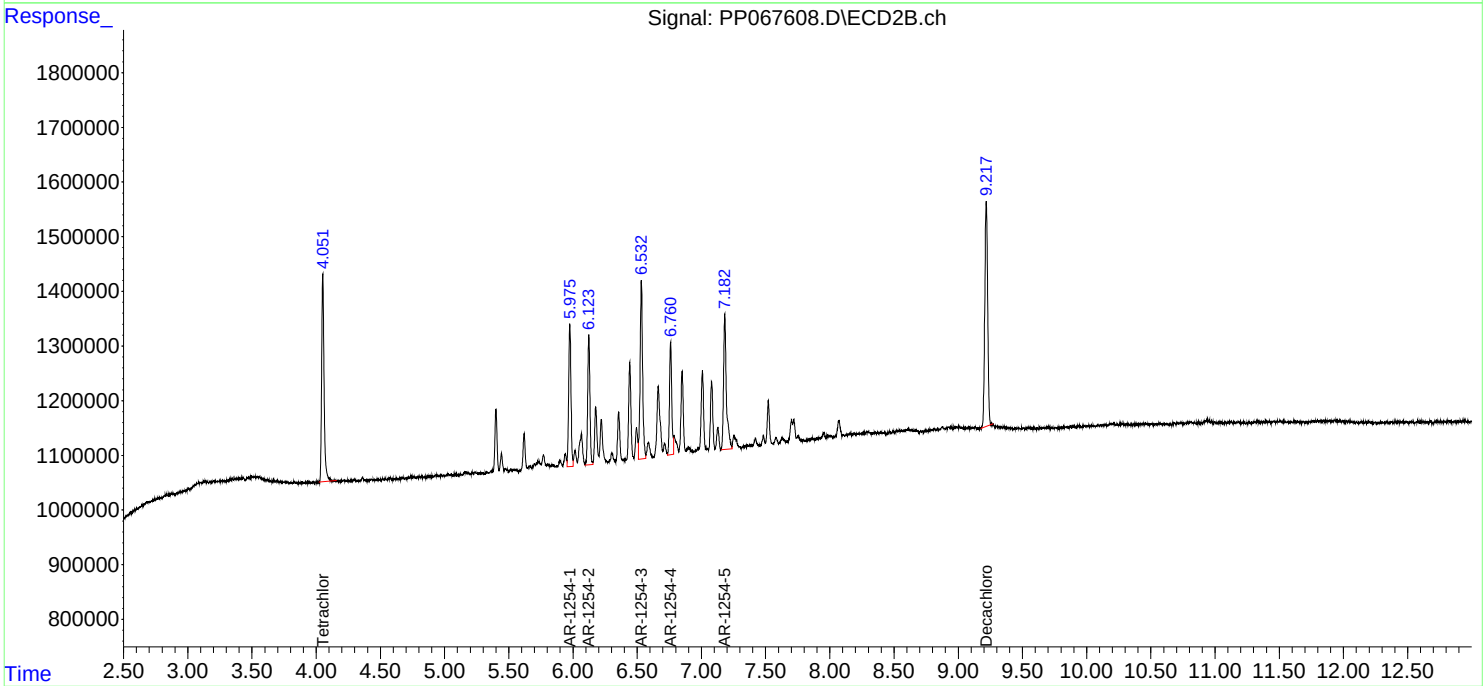
Manual Integrations APPROVED

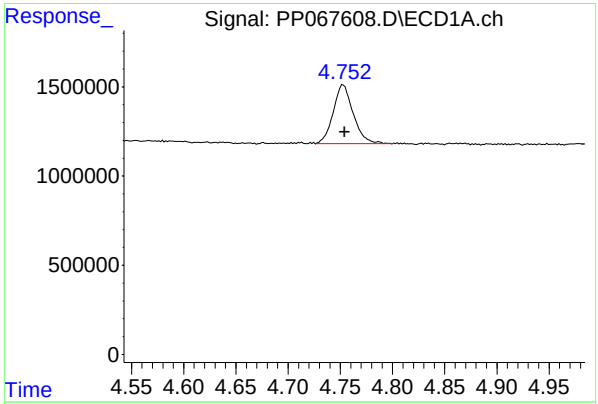
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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







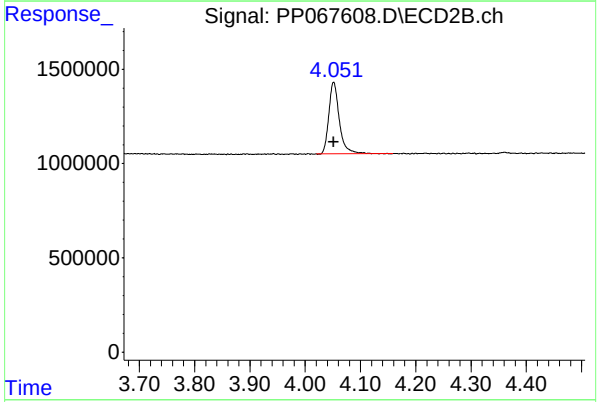
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: -0.001 min
Response: 4394026
Conc: 4.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

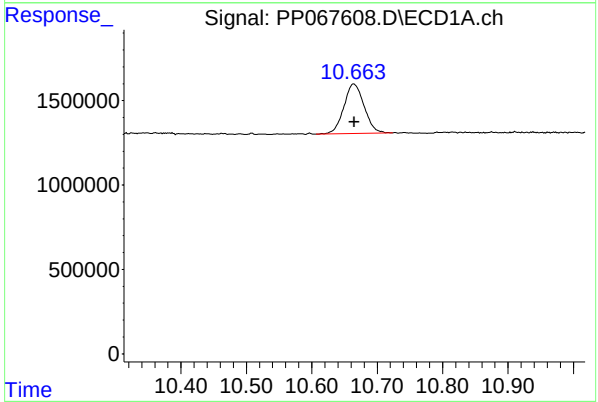
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



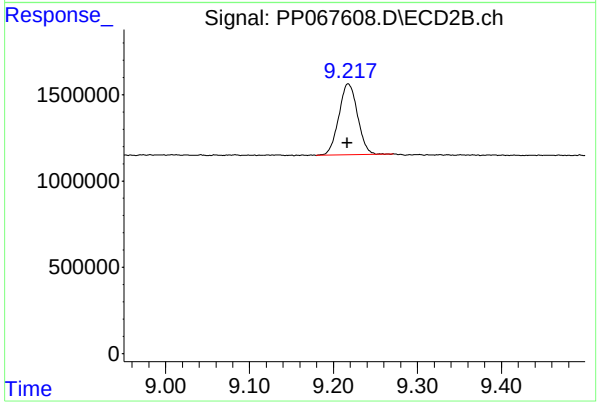
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4972328
Conc: 4.79 ng/ml



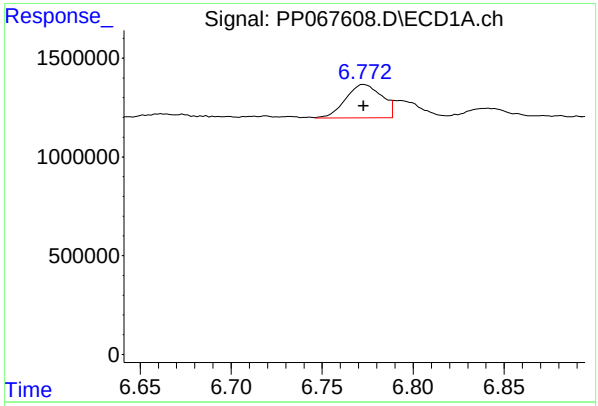
#2 Decachlorobiphenyl

R.T.: 10.664 min
Delta R.T.: 0.000 min
Response: 6314277
Conc: 5.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 6350903
Conc: 5.56 ng/ml



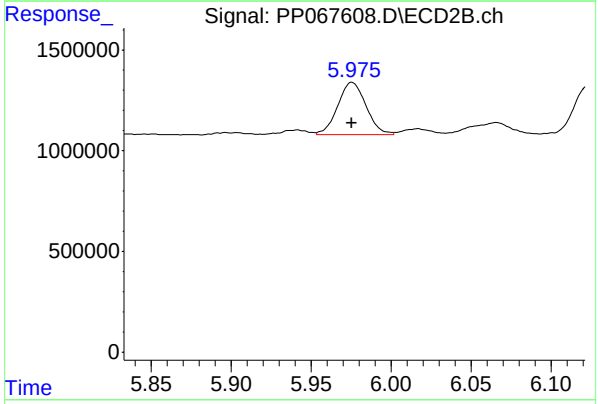
#26 AR-1254-1

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2366321
Conc: 52.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

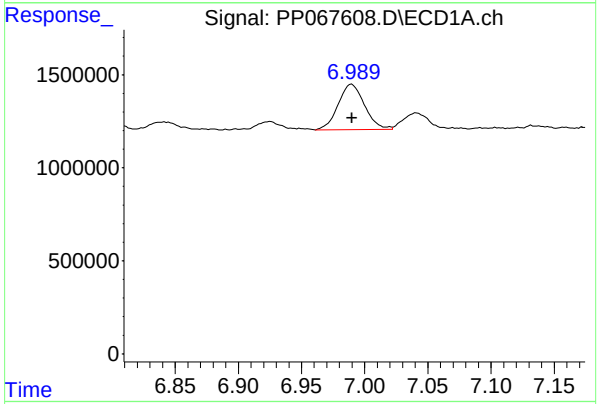
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



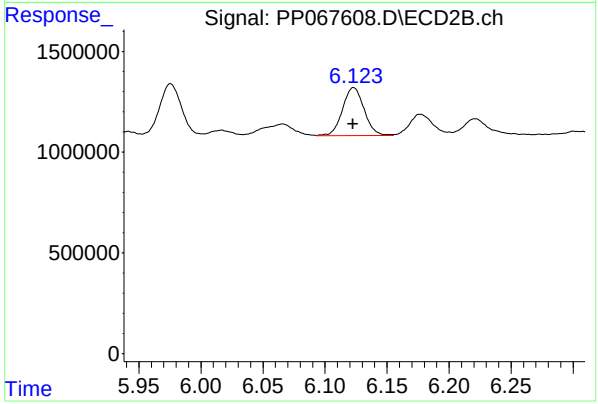
#26 AR-1254-1

R.T.: 5.976 min
Delta R.T.: 0.000 min
Response: 3200036
Conc: 54.28 ng/ml



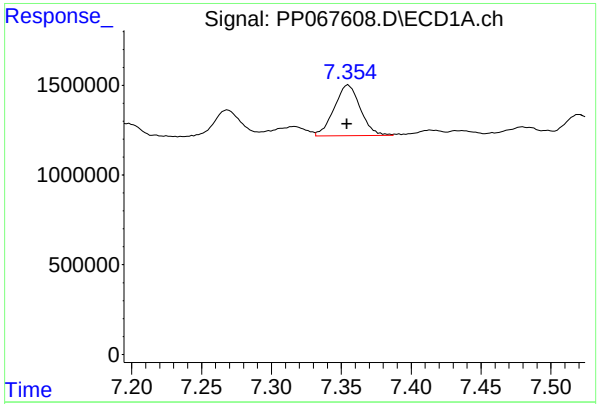
#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 3556583
Conc: 54.06 ng/ml



#27 AR-1254-2

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 2872212
Conc: 55.08 ng/ml



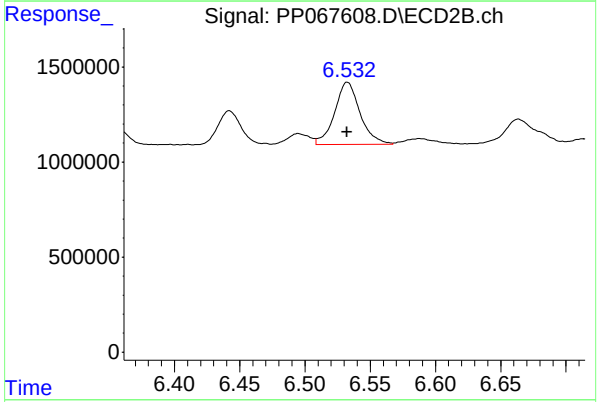
#28 AR-1254-3

R.T.: 7.355 min
Delta R.T.: 0.000 min
Response: 3660885
Conc: 52.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

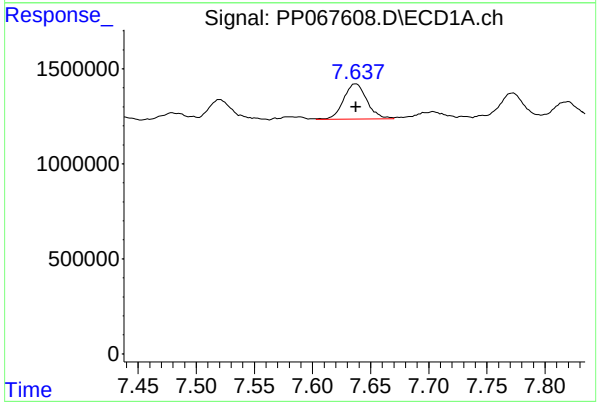
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



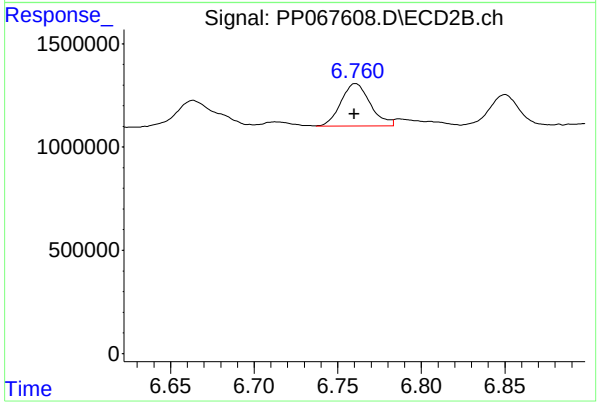
#28 AR-1254-3

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 4425126
Conc: 53.18 ng/ml



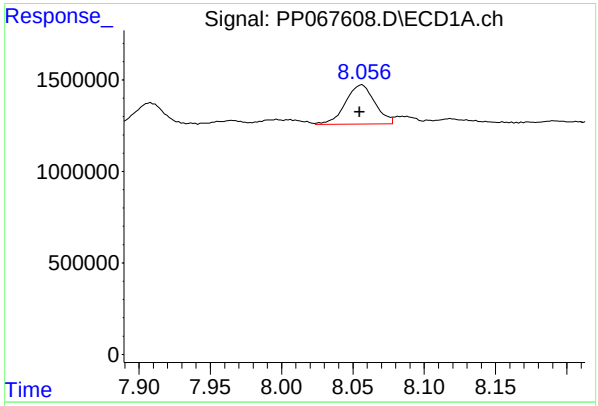
#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 2574785
Conc: 51.33 ng/ml



#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 2544683
Conc: 52.62 ng/ml m



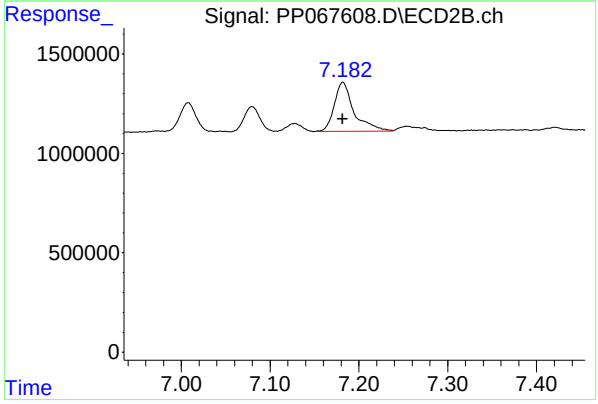
#30 AR-1254-5

R.T.: 8.056 min
Delta R.T.: 0.002 min
Response: 3061843
Conc: 51.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 3818409
Conc: 51.77 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.051	46189834	49400193	50.000	50.000
2)	SA Decachlor...	10.664	9.217	57664981	56385121	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.373	7.219	35885658	39336733	500.000	500.000
37)	L8 AR-1262-2	8.709	7.482	60790127	35481005	500.000	500.000
38)	L8 AR-1262-3	9.048	8.007	44257142	28549651	500.670m	500.000
39)	L8 AR-1262-4	9.140	8.070	34972436	50218224	500.000	500.000
40)	L8 AR-1262-5	9.842	8.598	23395635	25008878	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

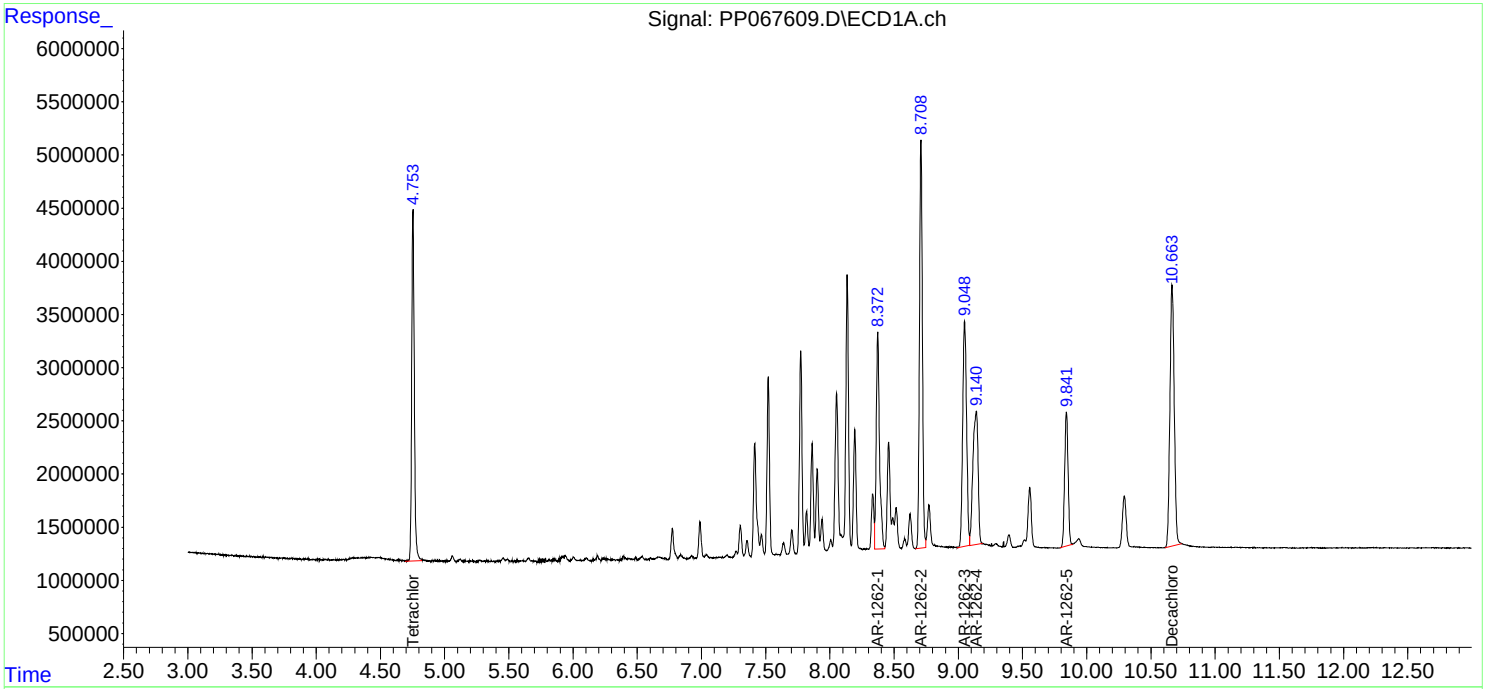
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

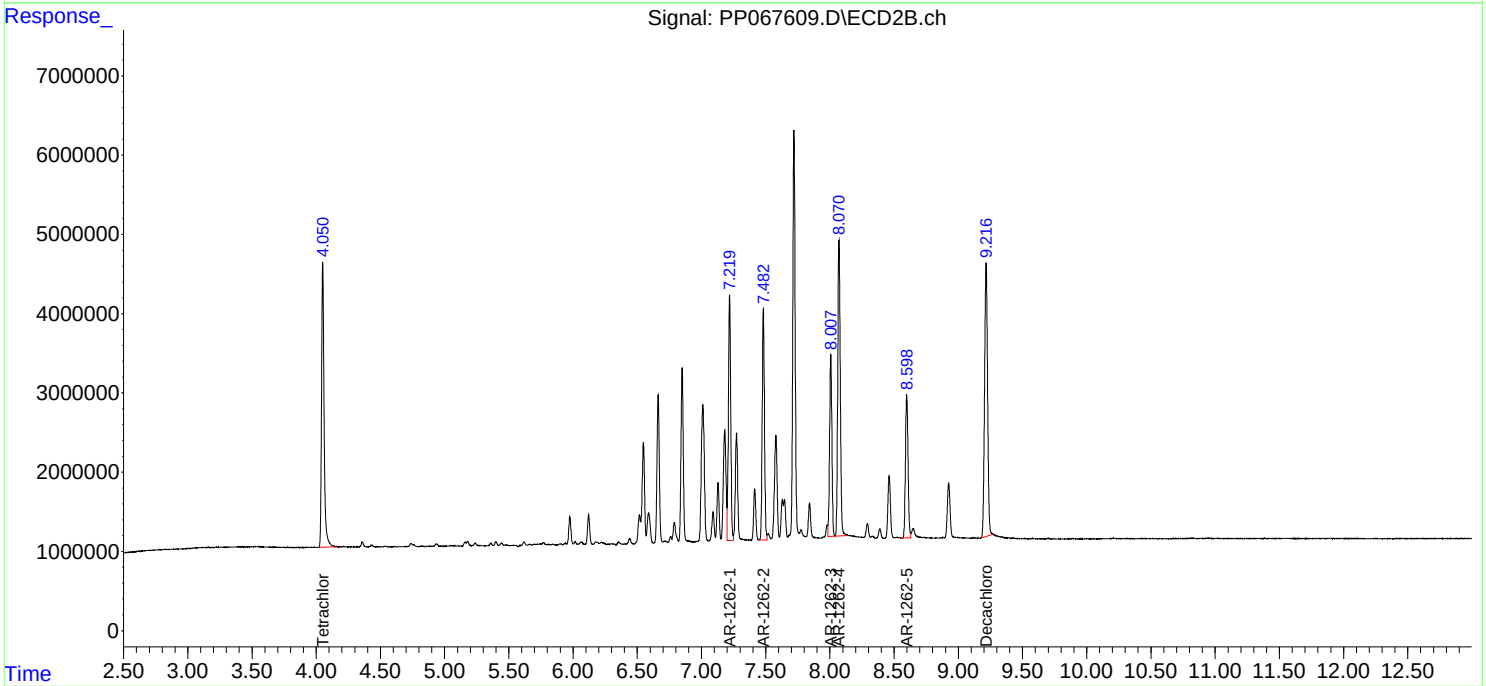
Manual Integrations APPROVED

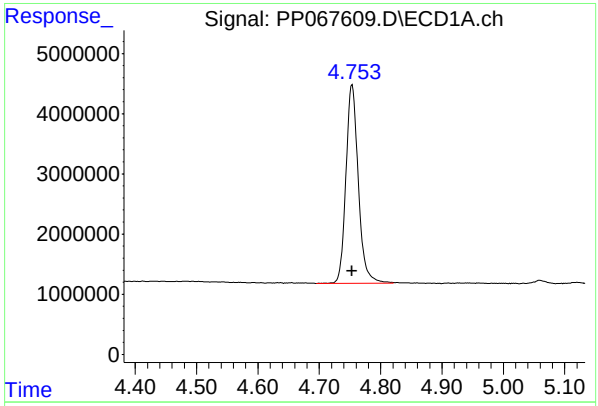
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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







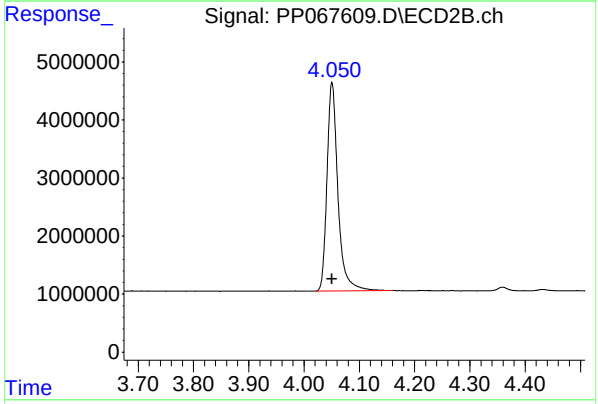
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 46189834
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

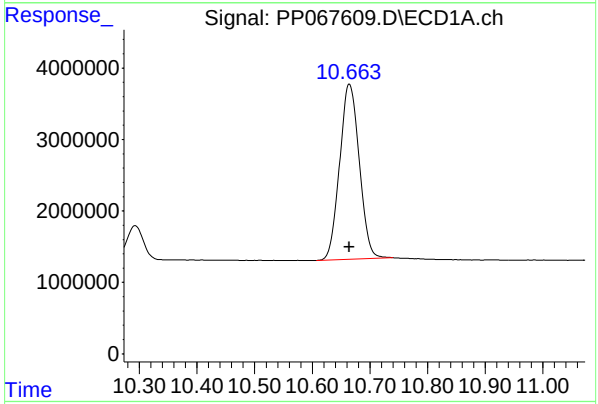
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



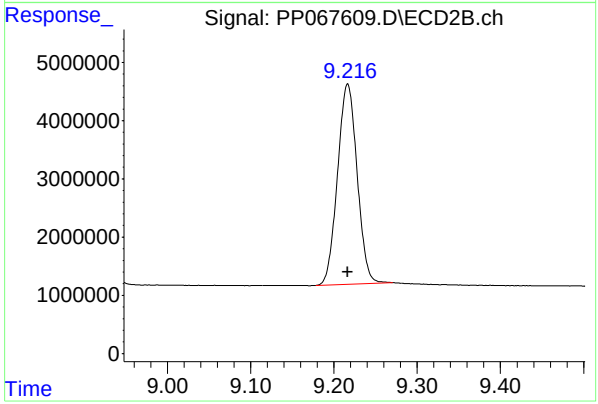
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 49400193
Conc: 50.00 ng/ml



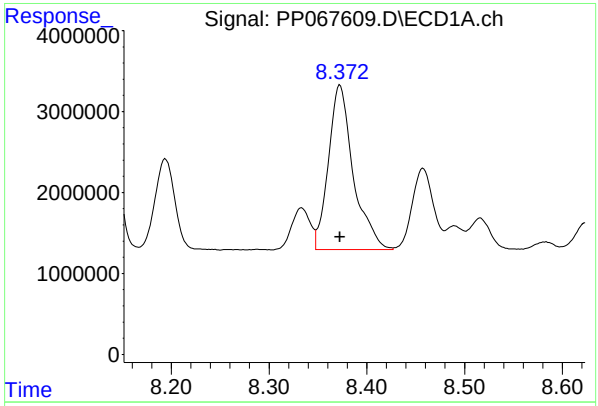
#2 Decachlorobiphenyl

R.T.: 10.664 min
Delta R.T.: 0.000 min
Response: 57664981
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 56385121
Conc: 50.00 ng/ml



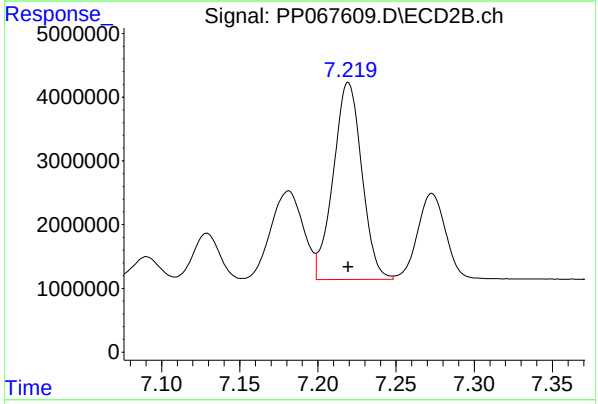
#36 AR-1262-1

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 35885658
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

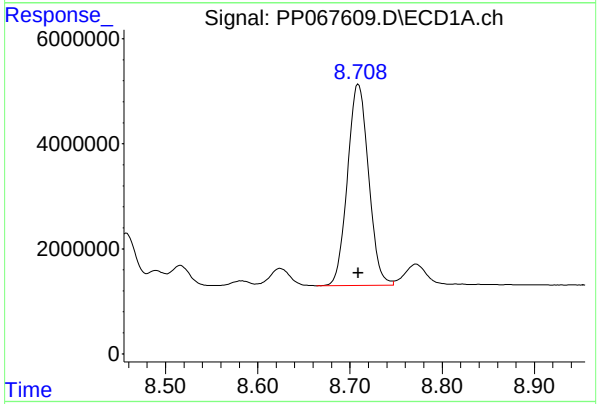
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



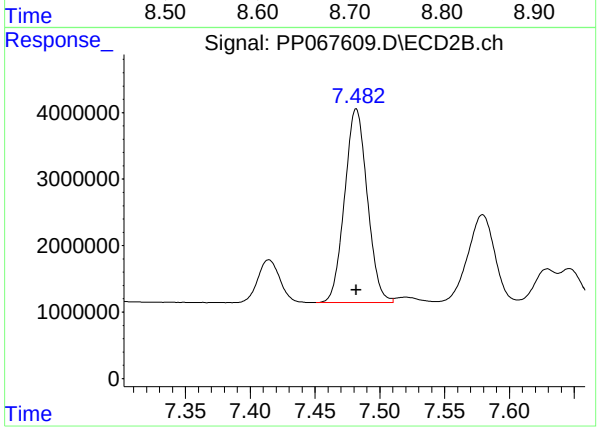
#36 AR-1262-1

R.T.: 7.219 min
Delta R.T.: 0.000 min
Response: 39336733
Conc: 500.00 ng/ml



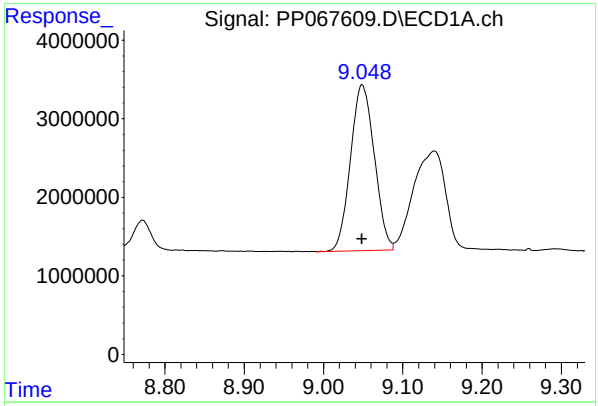
#37 AR-1262-2

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 60790127
Conc: 500.00 ng/ml



#37 AR-1262-2

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 35481005
Conc: 500.00 ng/ml



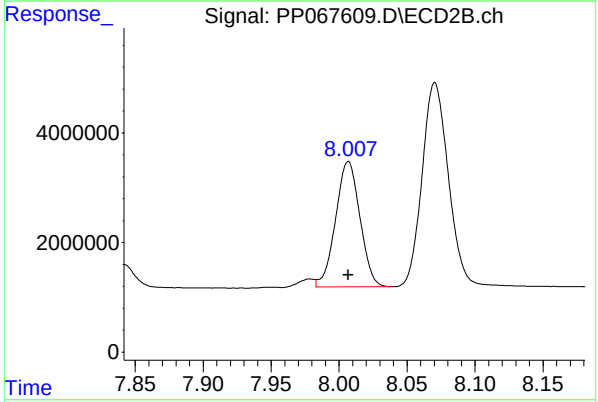
#38 AR-1262-3

R.T.: 9.048 min
Delta R.T.: 0.000 min
Response: 44257142
Conc: 500.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

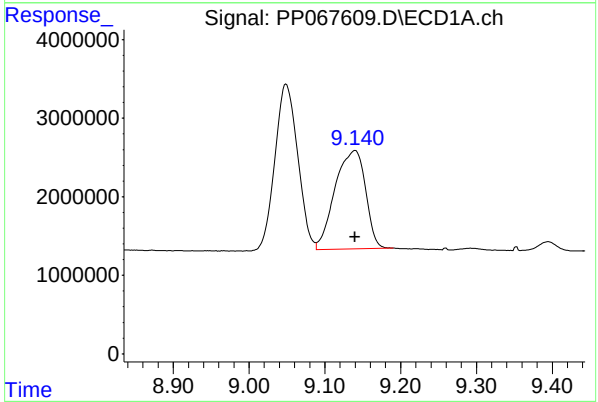
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



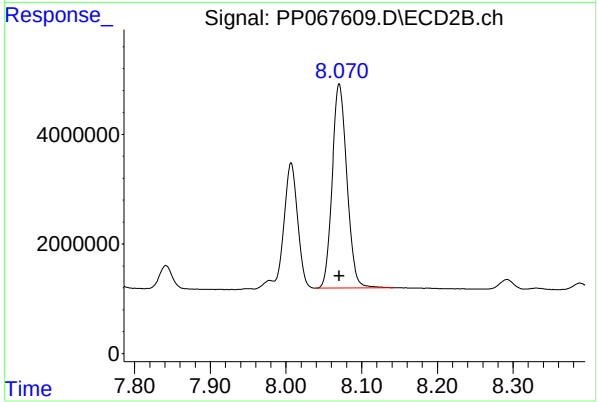
#38 AR-1262-3

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 28549651
Conc: 500.00 ng/ml



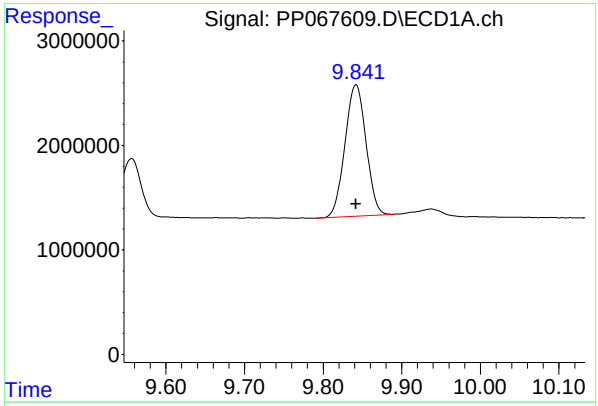
#39 AR-1262-4

R.T.: 9.140 min
Delta R.T.: 0.000 min
Response: 34972436
Conc: 500.00 ng/ml



#39 AR-1262-4

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 50218224
Conc: 500.00 ng/ml



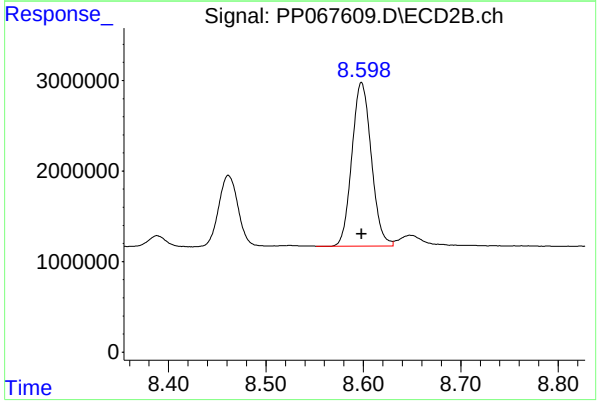
#40 AR-1262-5

R.T.: 9.842 min
Delta R.T.: 0.000 min
Response: 23395635
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#40 AR-1262-5

R.T.: 8.598 min
Delta R.T.: 0.000 min
Response: 25008878
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.755	4.051	90812575	97016985	95.024	96.337
2)	SA Decachlor...	10.666	9.217	175.8E6	175.5E6	90.038	92.883
	Target Compounds						
41)	L9 AR-1268-1	9.045	8.006	139.5E6	147.0E6	925.475m	929.738m
42)	L9 AR-1268-2	9.145	8.072	125.7E6	133.1E6	920.211	933.699
43)	L9 AR-1268-3	9.396	8.291	110.7E6	117.4E6	925.055	927.652
44)	L9 AR-1268-4	9.844	8.599	48063749	51956547	911.676	948.161
45)	L9 AR-1268-5	10.295	8.926	348.4E6	359.3E6	936.060	959.229

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

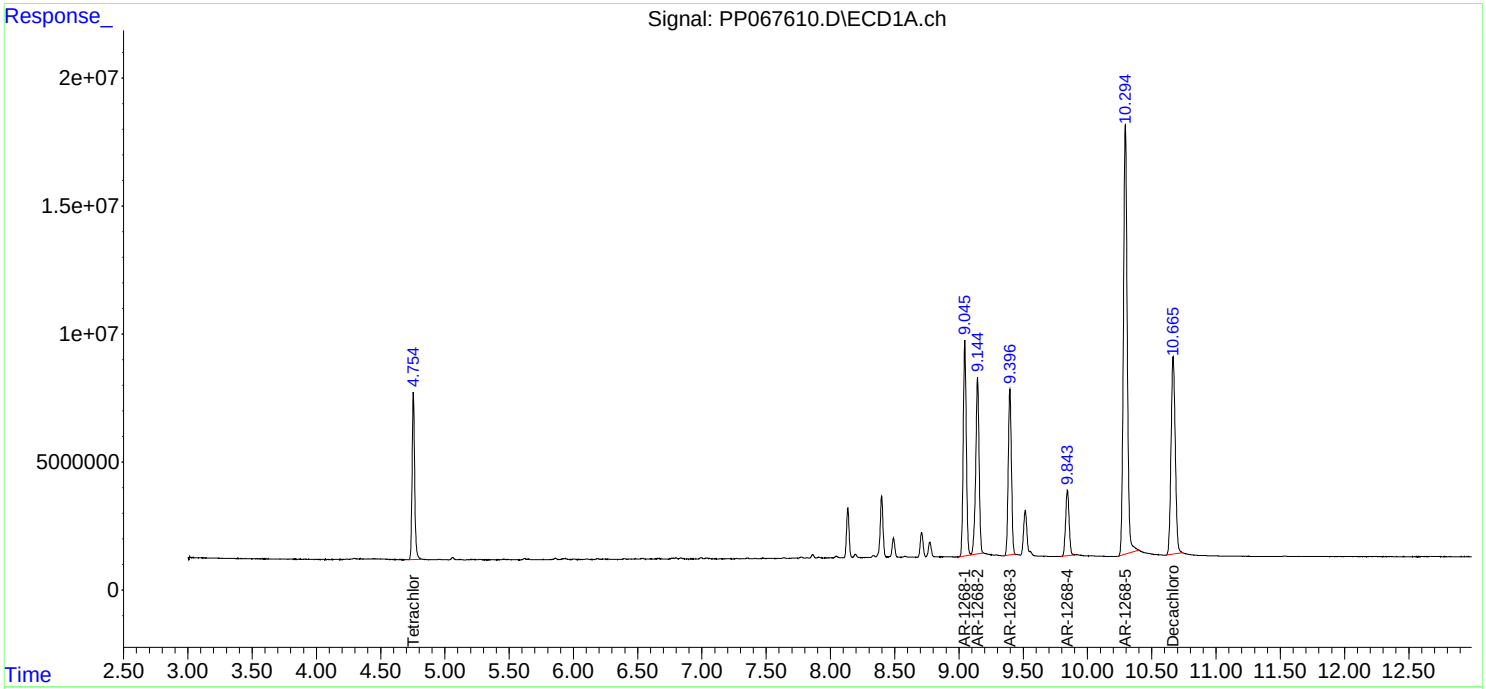
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

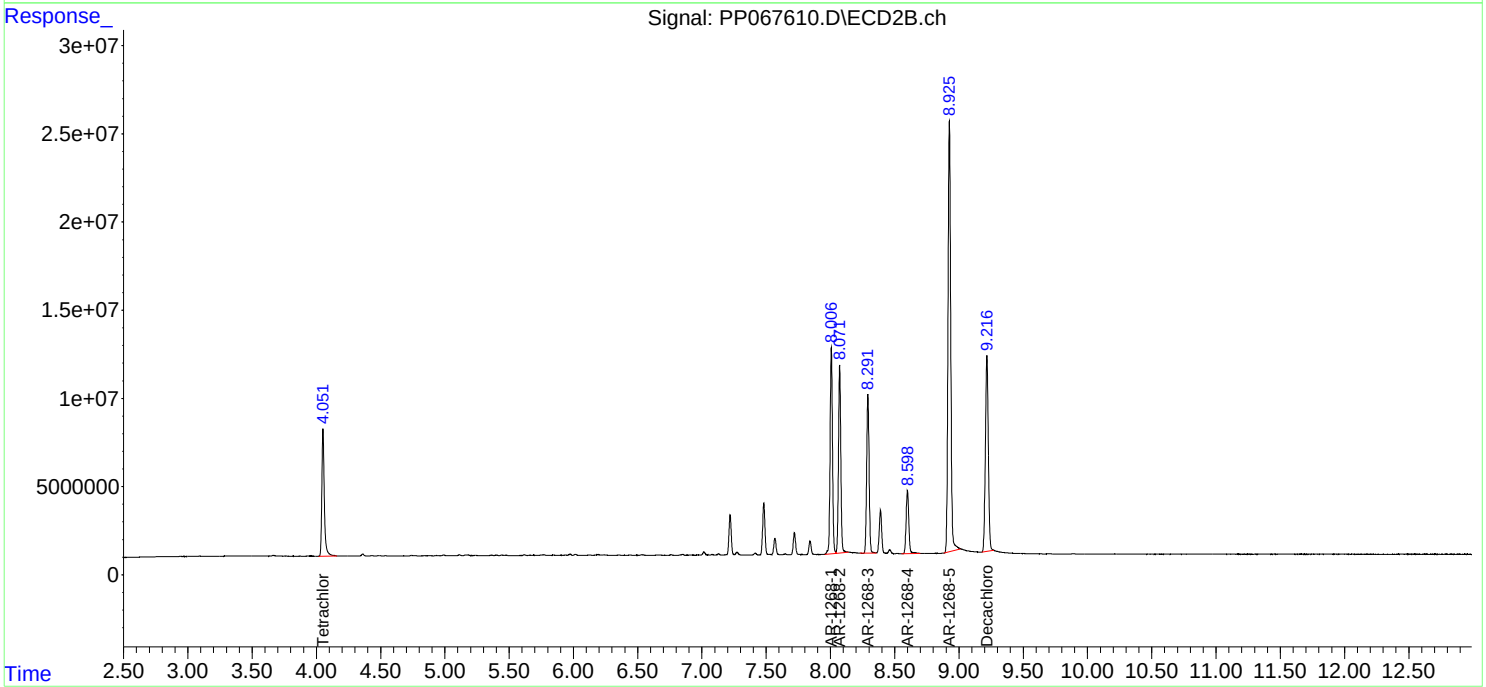
Manual Integrations APPROVED

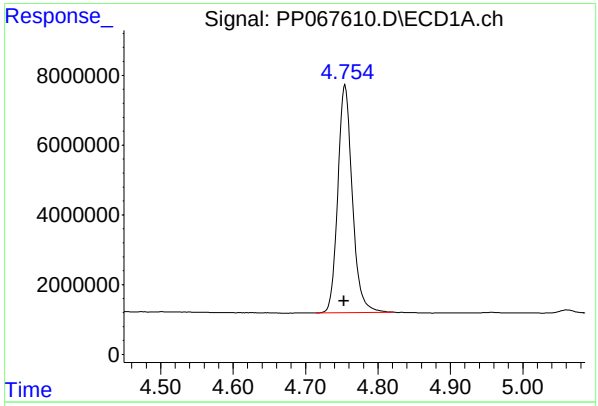
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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







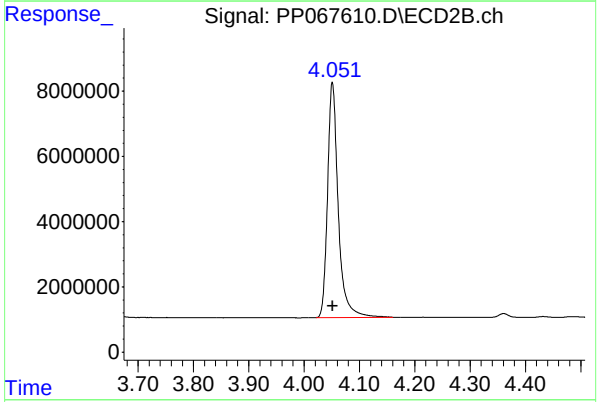
#1 Tetrachloro-m-xylene

R.T.: 4.755 min
Delta R.T.: 0.002 min
Response: 90812575
Conc: 95.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

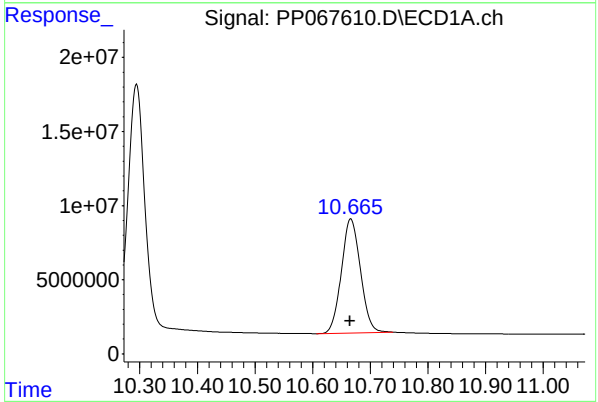
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



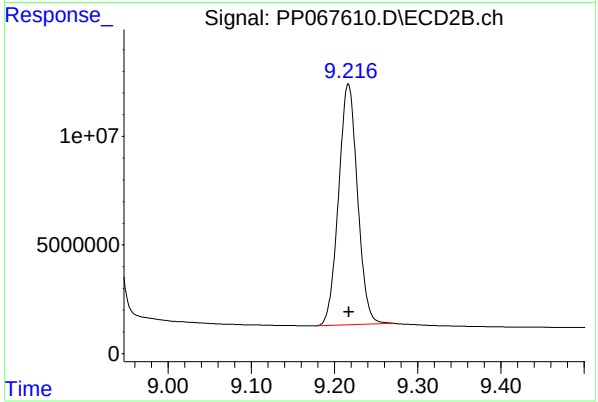
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 97016985
Conc: 96.34 ng/ml



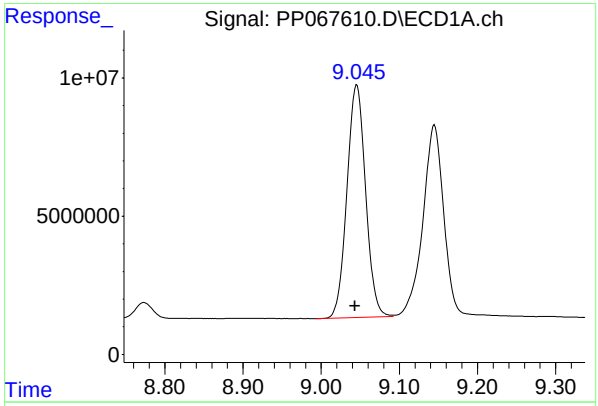
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.001 min
Response: 175837642
Conc: 90.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 175518672
Conc: 92.88 ng/ml



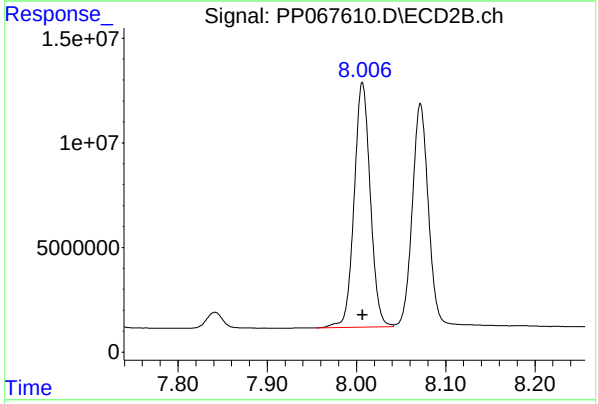
#41 AR-1268-1

R.T.: 9.045 min
Delta R.T.: 0.002 min
Response: 139515419
Conc: 925.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

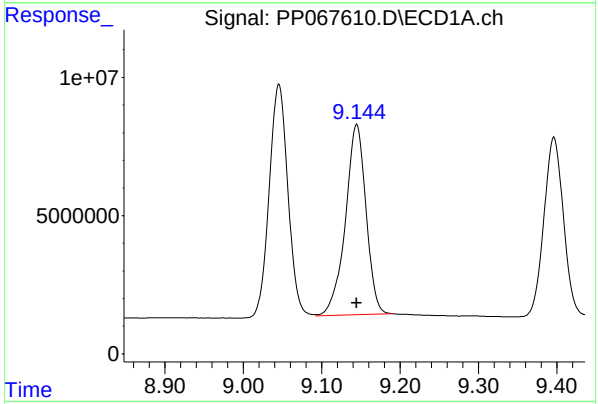
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



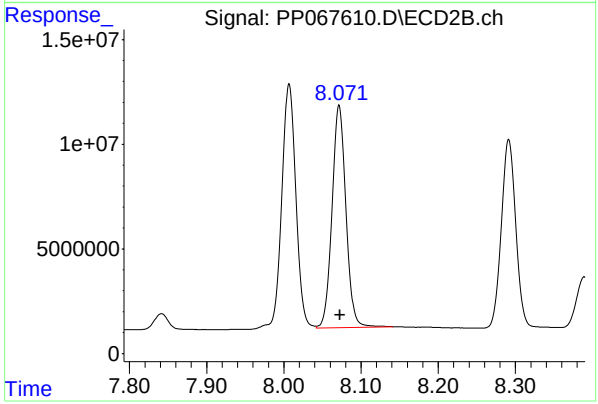
#41 AR-1268-1

R.T.: 8.006 min
Delta R.T.: -0.001 min
Response: 146986557
Conc: 929.74 ng/ml m



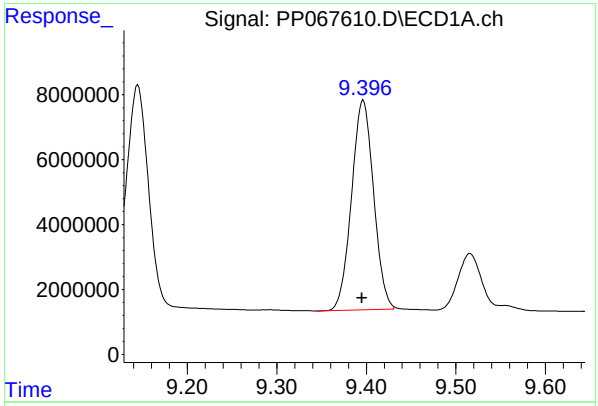
#42 AR-1268-2

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 125679796
Conc: 920.21 ng/ml



#42 AR-1268-2

R.T.: 8.072 min
Delta R.T.: -0.001 min
Response: 133073925
Conc: 933.70 ng/ml



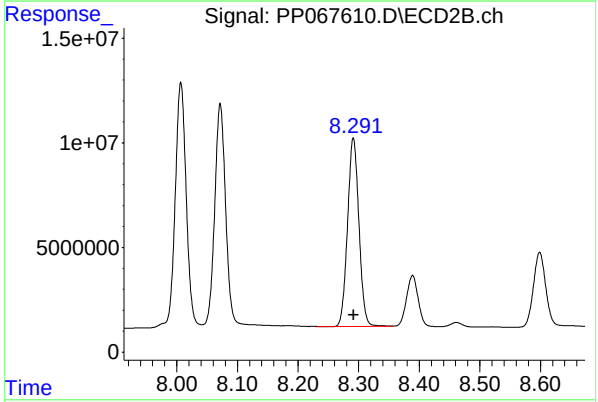
#43 AR-1268-3

R.T.: 9.396 min
Delta R.T.: 0.002 min
Response: 110668977
Conc: 925.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

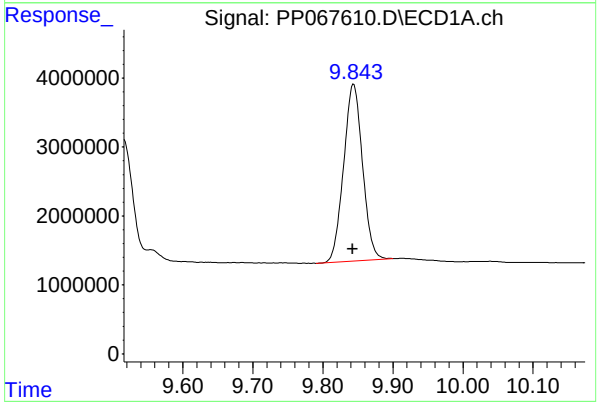
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



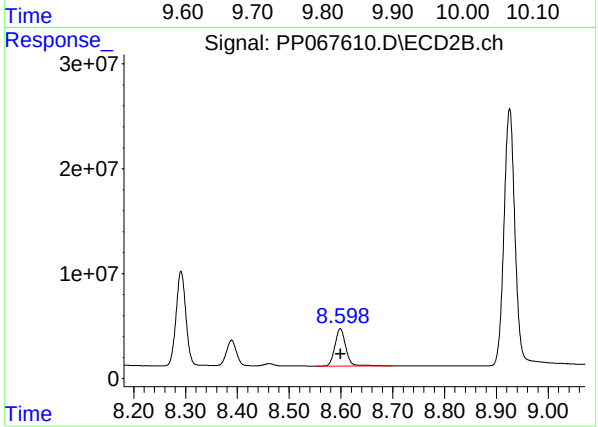
#43 AR-1268-3

R.T.: 8.291 min
Delta R.T.: 0.000 min
Response: 117364027
Conc: 927.65 ng/ml



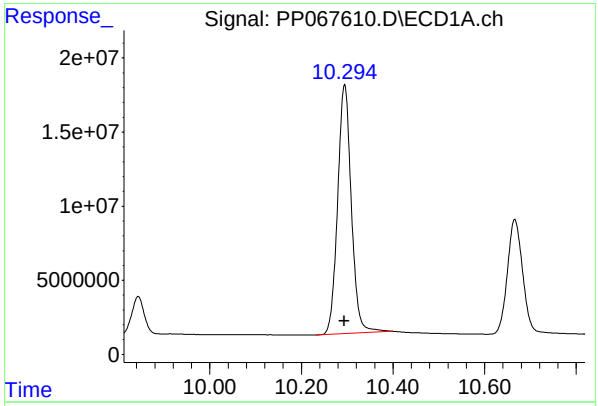
#44 AR-1268-4

R.T.: 9.844 min
Delta R.T.: 0.001 min
Response: 48063749
Conc: 911.68 ng/ml



#44 AR-1268-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 51956547
Conc: 948.16 ng/ml



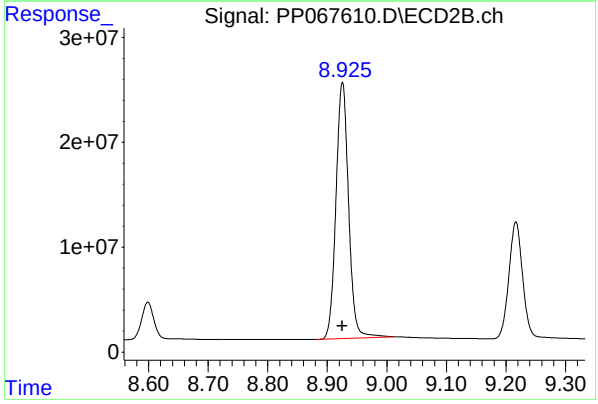
#45 AR-1268-5

R.T.: 10.295 min
Delta R.T.: 0.000 min
Response: 348373365
Conc: 936.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#45 AR-1268-5

R.T.: 8.926 min
Delta R.T.: 0.000 min
Response: 359344903
Conc: 959.23 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	69222191	74341167	72.432	73.820
2)	SA Decachlor...	10.665	9.218	137.1E6	135.2E6	70.184	71.539
	Target Compounds						
41)	L9 AR-1268-1	9.044	8.008	108.4E6	113.9E6	718.757m	720.350m
42)	L9 AR-1268-2	9.144	8.073	97566346	102.9E6	714.368	722.244
43)	L9 AR-1268-3	9.394	8.293	87555808	91128240	731.858	720.283
44)	L9 AR-1268-4	9.841	8.600	37417513	40464284	709.738	738.438
45)	L9 AR-1268-5	10.294	8.927	267.5E6	273.3E6	718.811	729.610

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

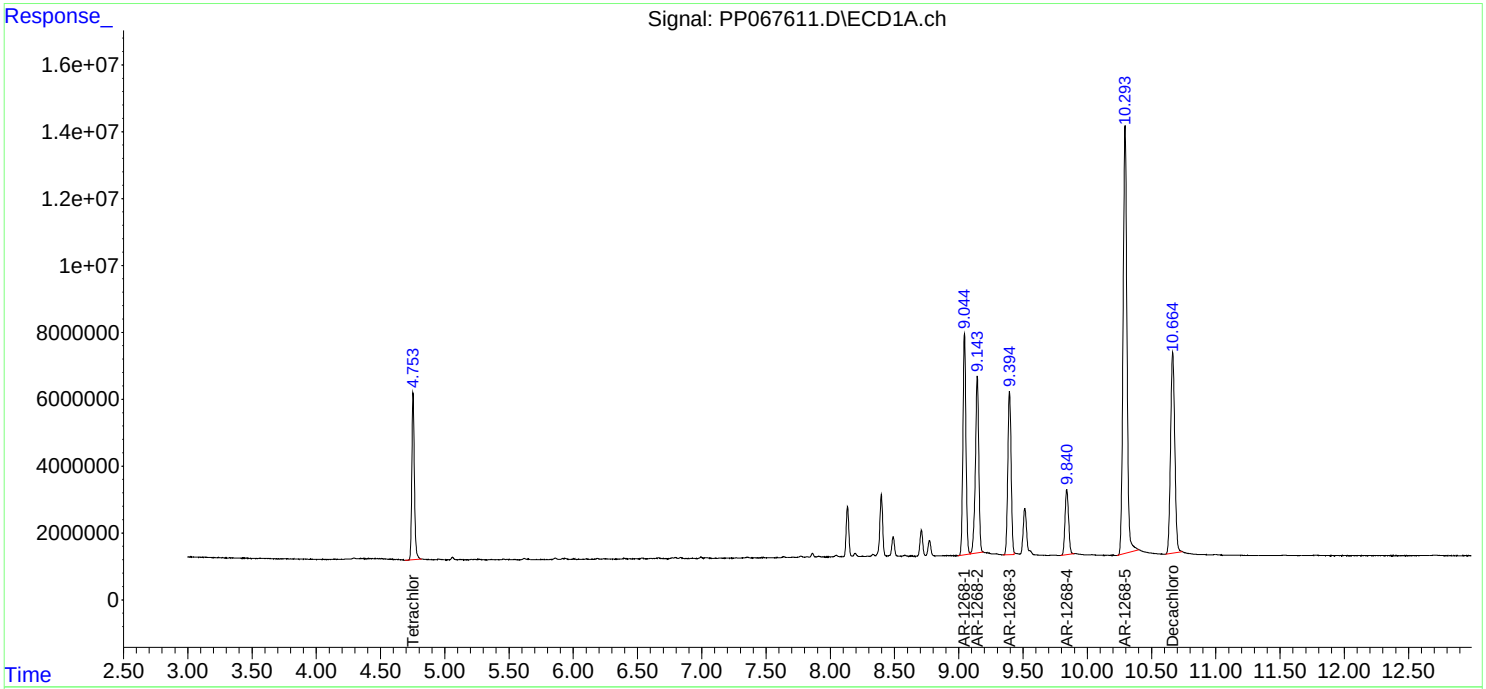
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

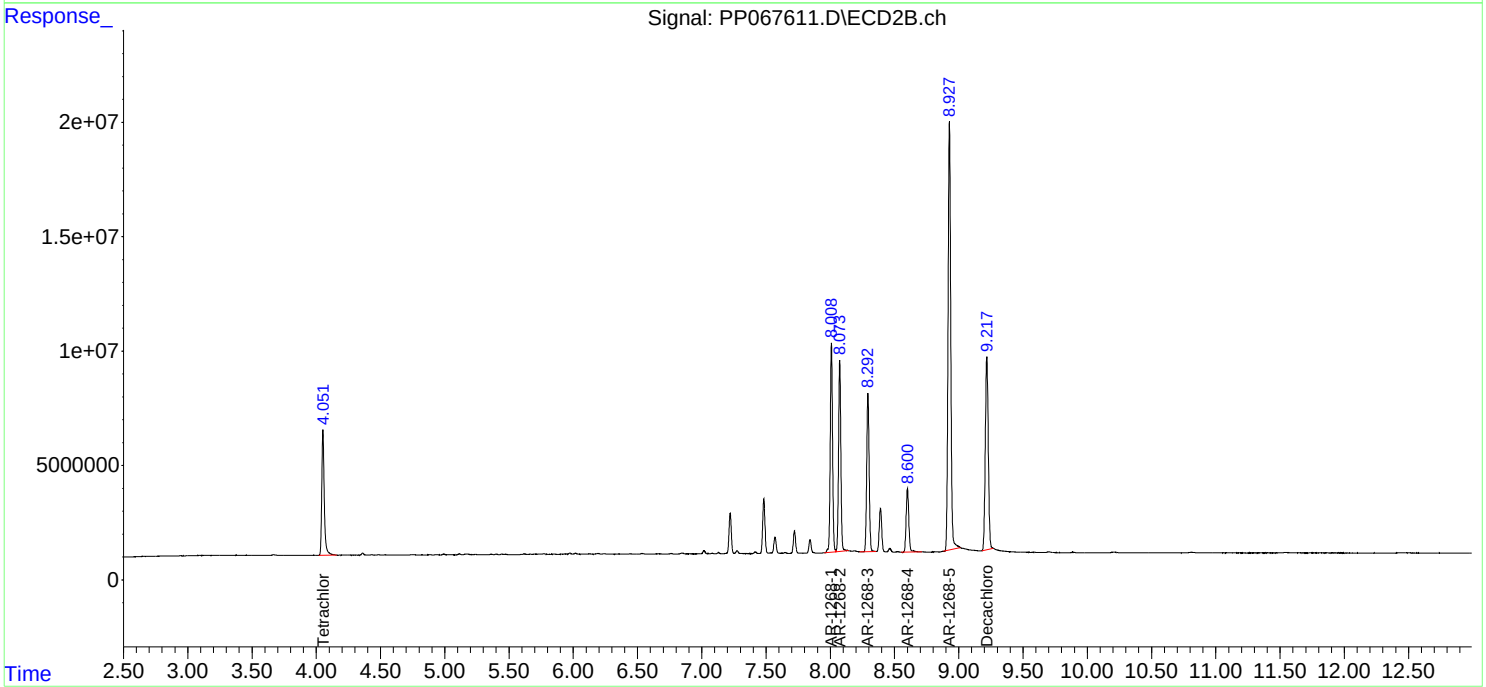
Manual Integrations APPROVED

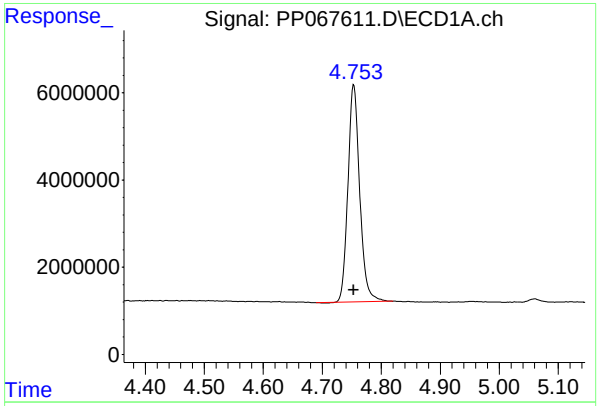
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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







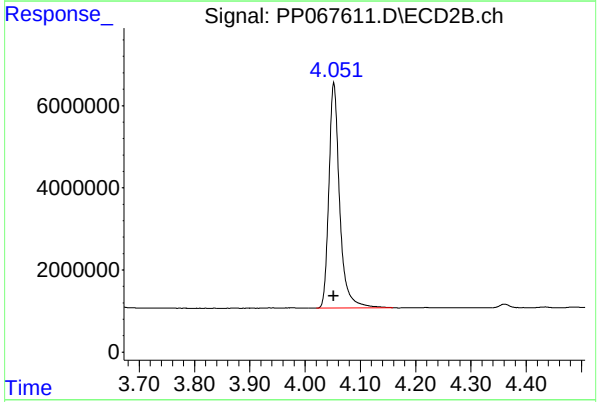
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 69222191
Conc: 72.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

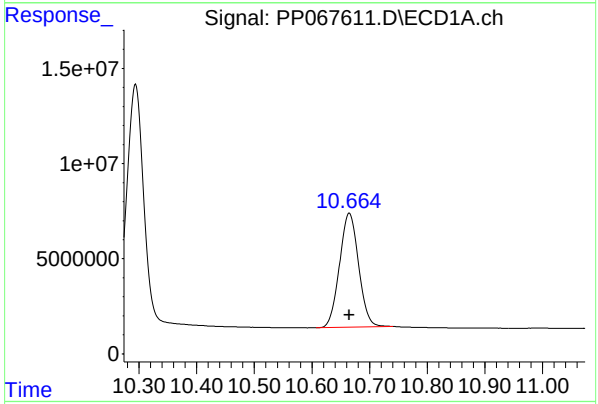
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



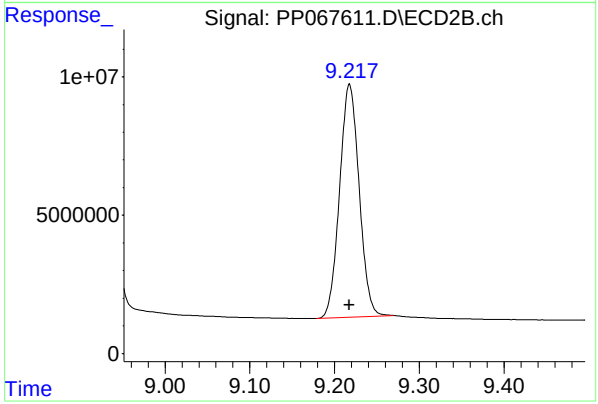
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 74341167
Conc: 73.82 ng/ml



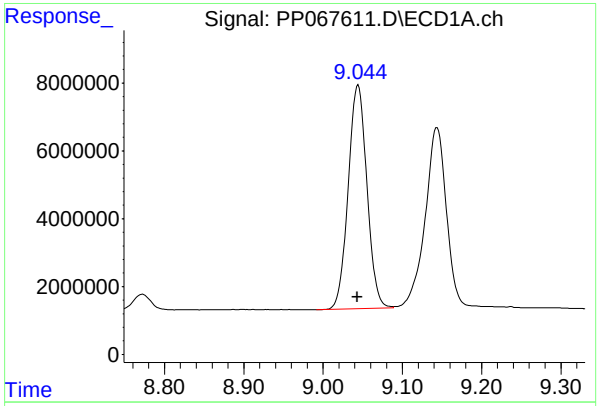
#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 137064016
Conc: 70.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 135185090
Conc: 71.54 ng/ml



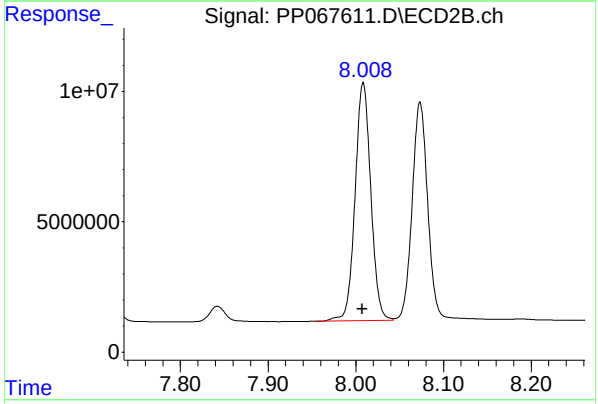
#41 AR-1268-1

R.T.: 9.044 min
Delta R.T.: 0.000 min
Response: 108352712
Conc: 718.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

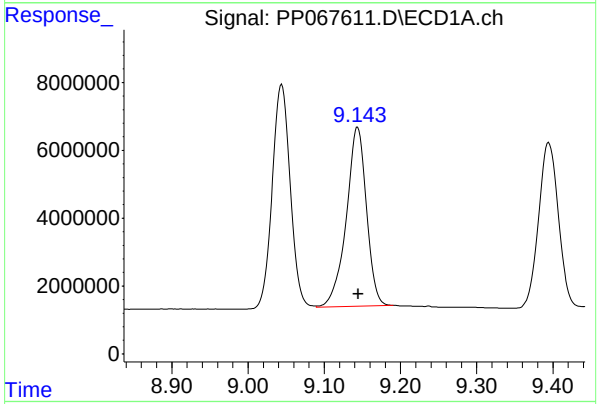
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



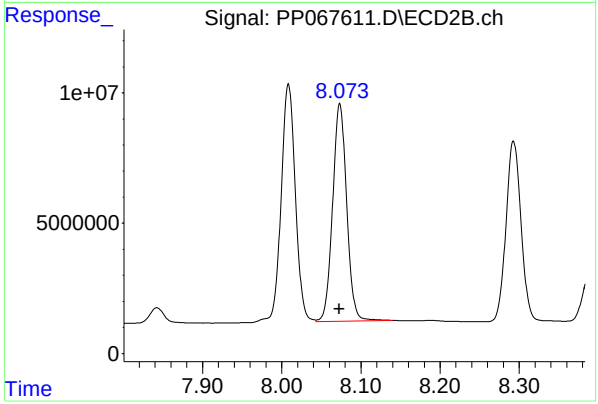
#41 AR-1268-1

R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 113883447
Conc: 720.35 ng/ml m



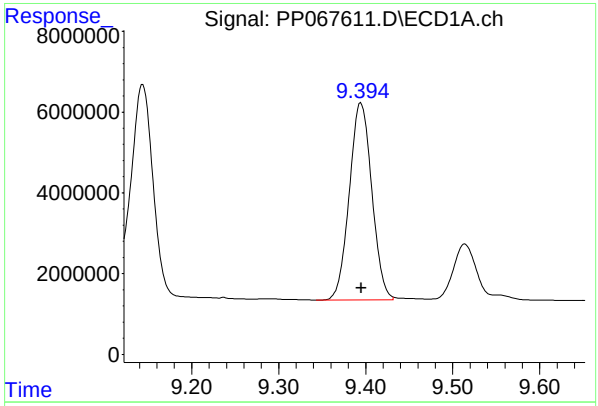
#42 AR-1268-2

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 97566346
Conc: 714.37 ng/ml



#42 AR-1268-2

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 102936622
Conc: 722.24 ng/ml



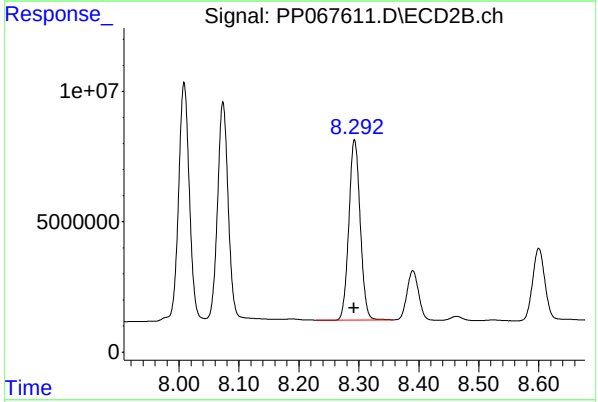
#43 AR-1268-3

R.T.: 9.394 min
Delta R.T.: 0.000 min
Response: 87555808
Conc: 731.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

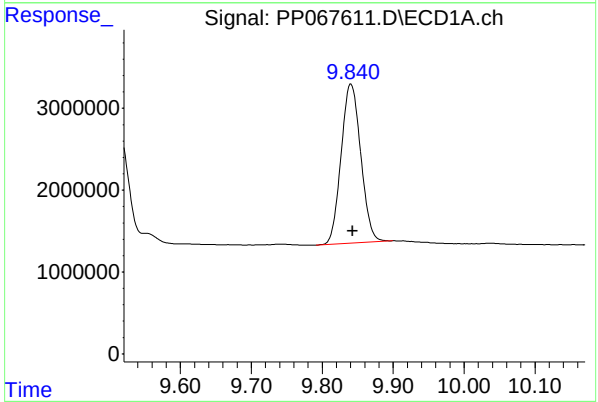
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



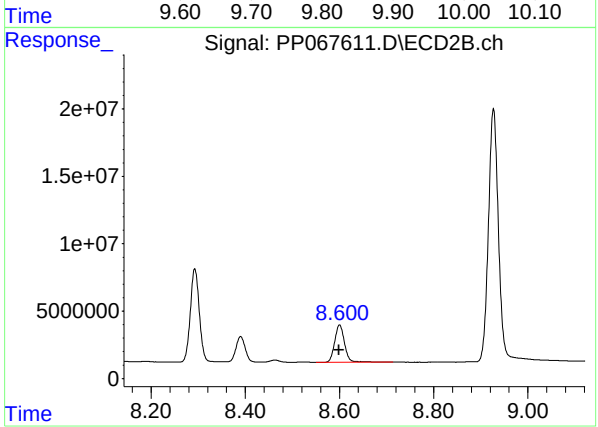
#43 AR-1268-3

R.T.: 8.293 min
Delta R.T.: 0.001 min
Response: 91128240
Conc: 720.28 ng/ml



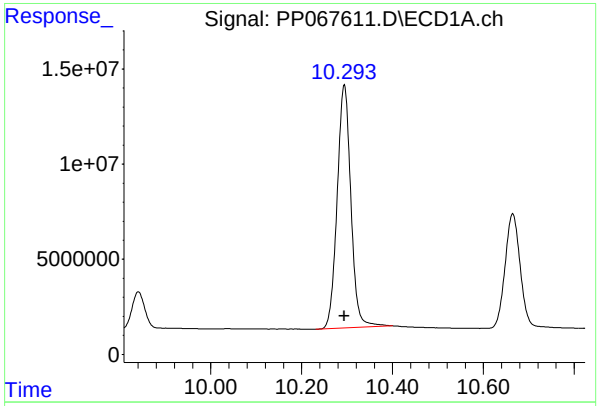
#44 AR-1268-4

R.T.: 9.841 min
Delta R.T.: -0.002 min
Response: 37417513
Conc: 709.74 ng/ml



#44 AR-1268-4

R.T.: 8.600 min
Delta R.T.: 0.000 min
Response: 40464284
Conc: 738.44 ng/ml



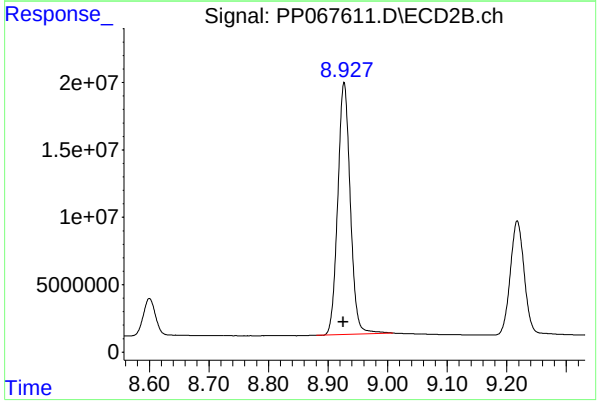
#45 AR-1268-5

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 267519820
Conc: 718.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#45 AR-1268-5

R.T.: 8.927 min
Delta R.T.: 0.002 min
Response: 273325647
Conc: 729.61 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	47784228	50352989	50.000	50.000
2)	SA Decachlor...	10.665	9.217	97646544	94483308	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	9.043	8.007	75498831	79009584	500.821m	499.762m
42)	L9 AR-1268-2	9.144	8.073	68288565	71261711	500.000	500.000
43)	L9 AR-1268-3	9.395	8.292	59817506	63258627	500.000	500.000
44)	L9 AR-1268-4	9.843	8.599	26360092	27398577	500.000	500.000
45)	L9 AR-1268-5	10.294	8.925	186.1E6	187.3E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

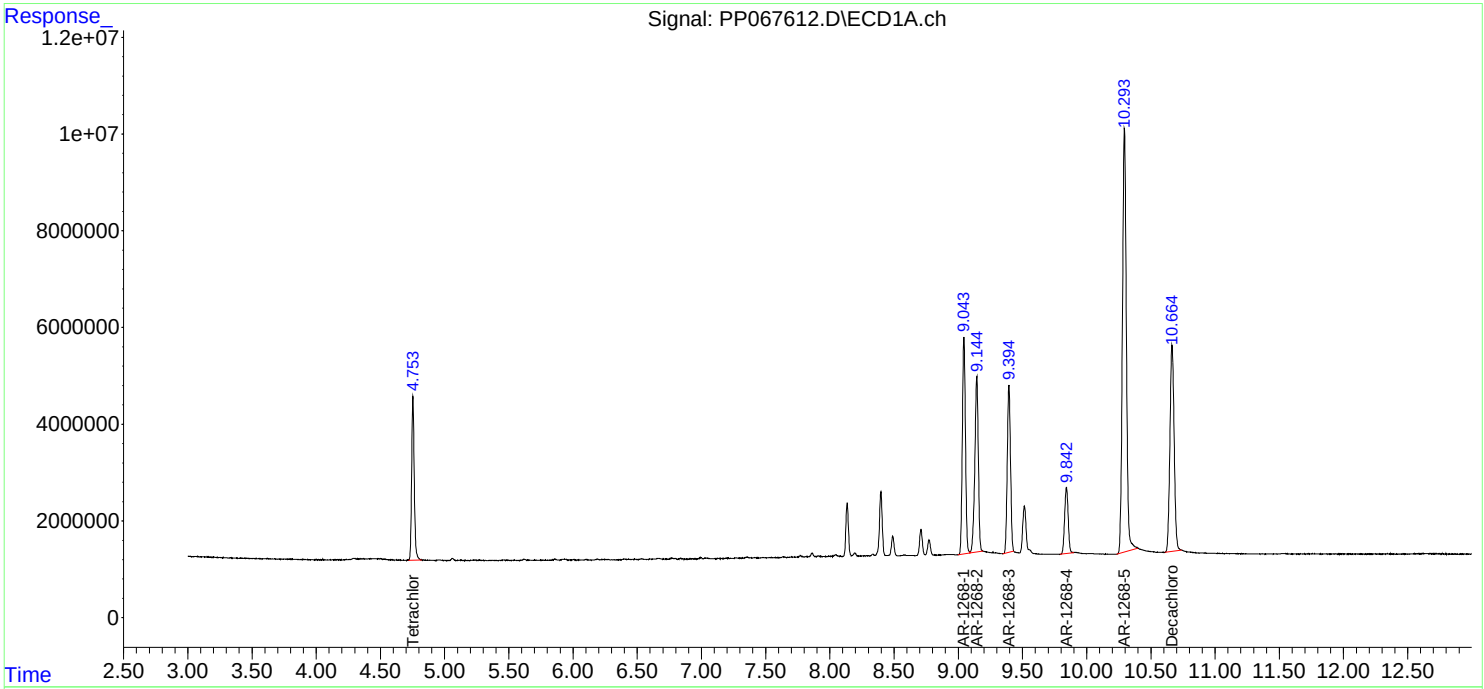
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

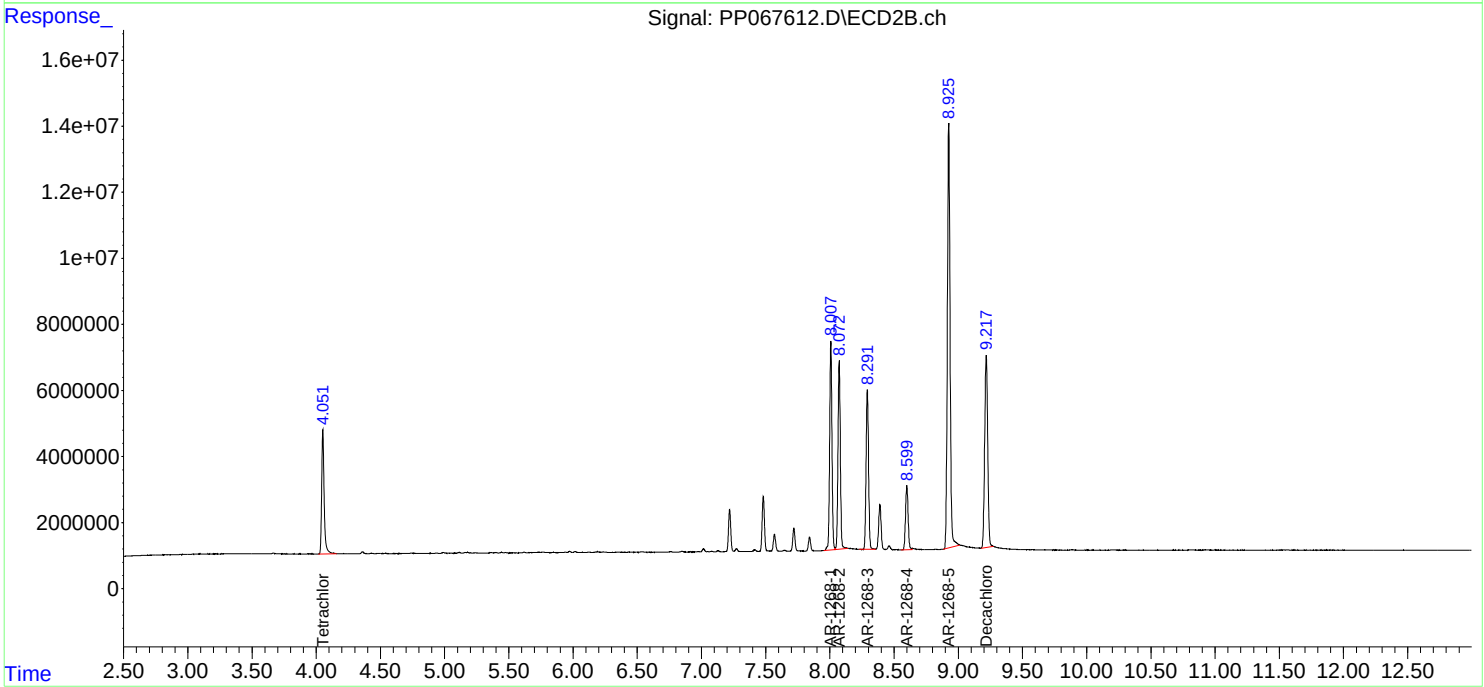
Manual Integrations APPROVED

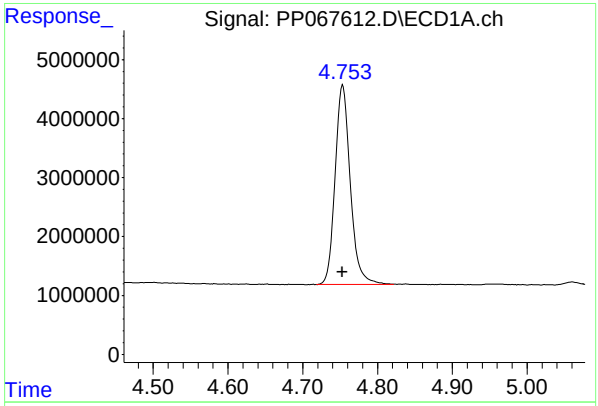
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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







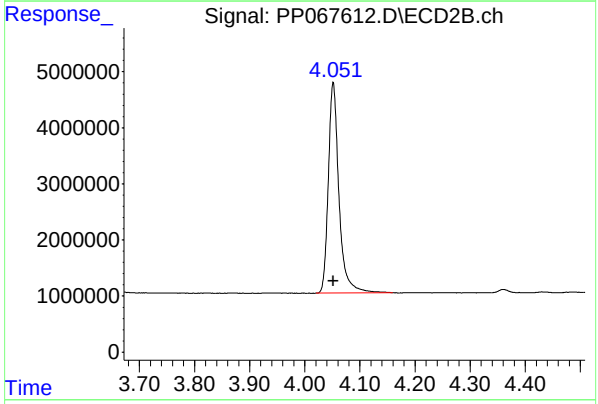
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 47784228
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

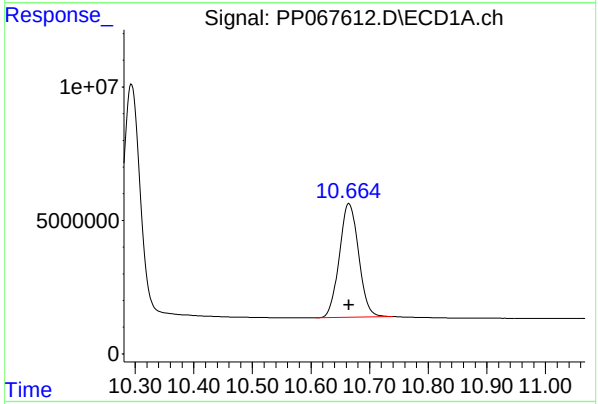
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



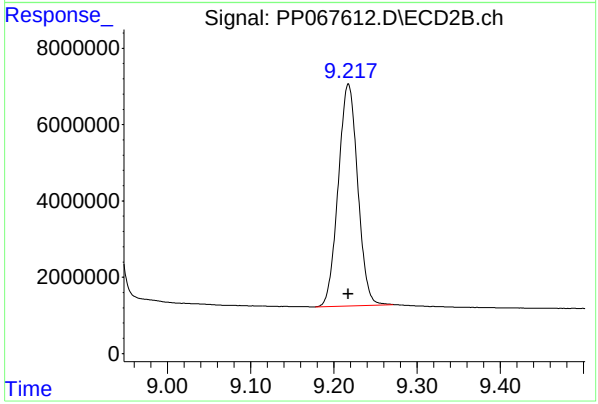
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 50352989
Conc: 50.00 ng/ml



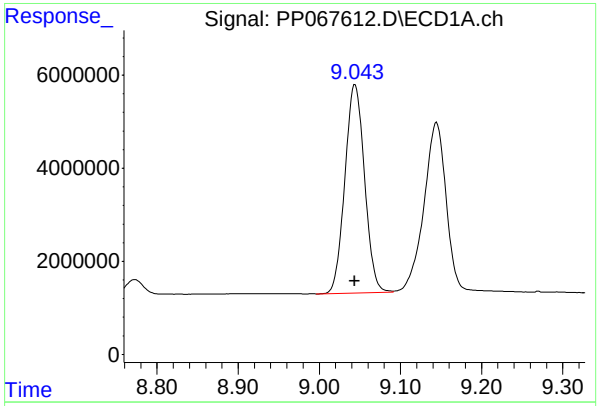
#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 97646544
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 94483308
Conc: 50.00 ng/ml



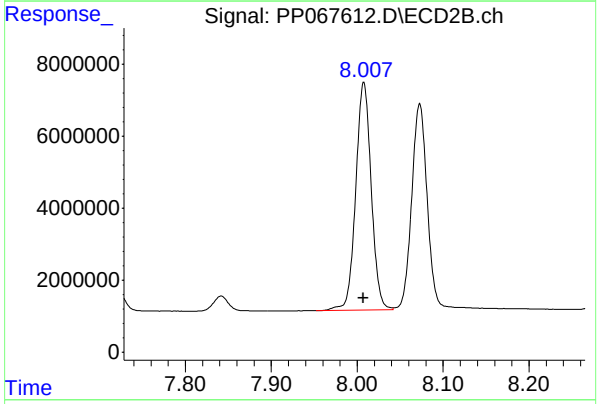
#41 AR-1268-1

R.T.: 9.043 min
Delta R.T.: 0.000 mi
Response: 75498831
Conc: 500.82 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

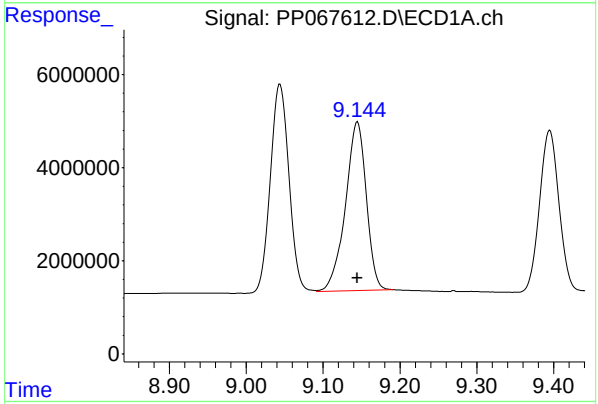
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



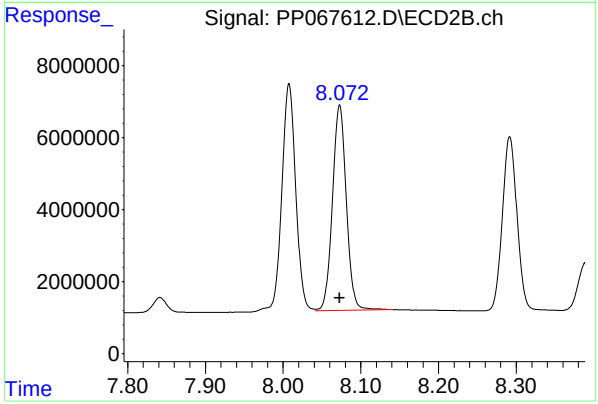
#41 AR-1268-1

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 79009584
Conc: 499.76 ng/ml m



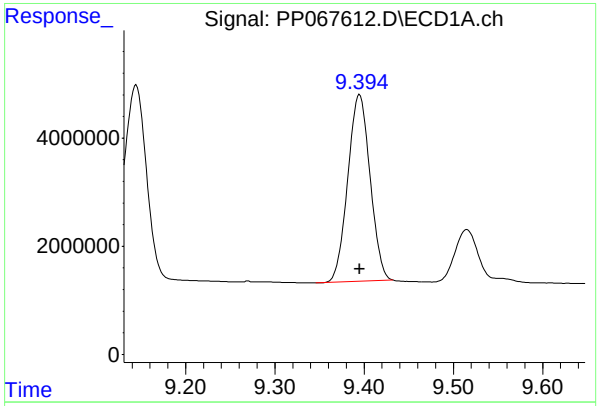
#42 AR-1268-2

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 68288565
Conc: 500.00 ng/ml



#42 AR-1268-2

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 71261711
Conc: 500.00 ng/ml



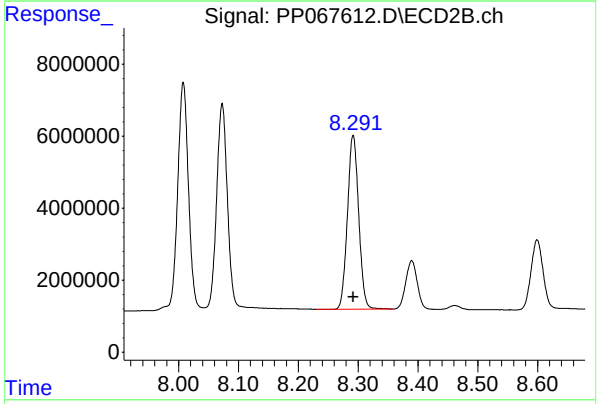
#43 AR-1268-3

R.T.: 9.395 min
Delta R.T.: 0.000 min
Response: 59817506
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

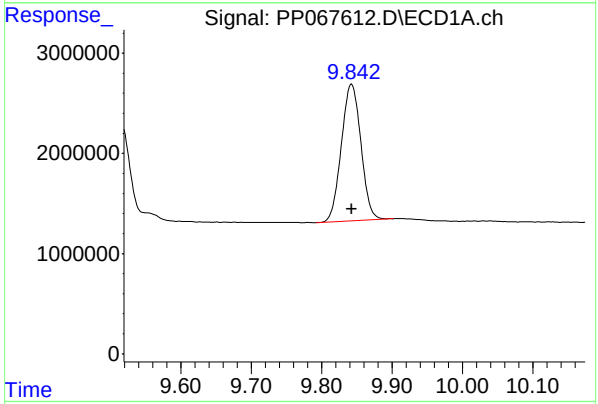
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



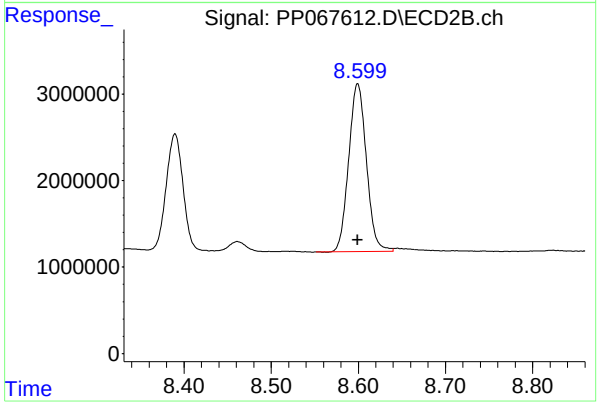
#43 AR-1268-3

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 63258627
Conc: 500.00 ng/ml



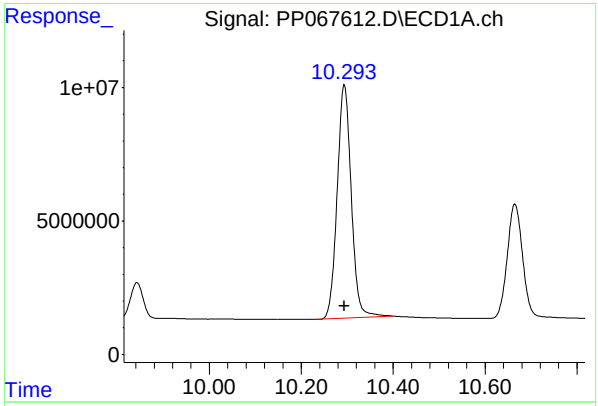
#44 AR-1268-4

R.T.: 9.843 min
Delta R.T.: 0.000 min
Response: 26360092
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 27398577
Conc: 500.00 ng/ml



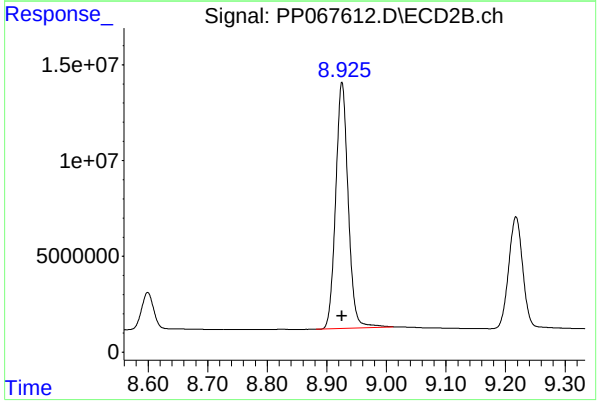
#45 AR-1268-5

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 186084859
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#45 AR-1268-5

R.T.: 8.925 min
Delta R.T.: 0.000 min
Response: 187309316
Conc: 500.00 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.050	24666919	26616902	25.811	26.430
2)	SA Decachlor...	10.666	9.216	52348103	51189487	26.805	27.089
	Target Compounds						
41)	L9 AR-1268-1	9.042	8.006	40679699	42019978	269.849m	265.790m
42)	L9 AR-1268-2	9.144	8.071	36435946	37805506	266.779	265.258
43)	L9 AR-1268-3	9.394	8.290	32633567	33939255	272.776	268.258
44)	L9 AR-1268-4	9.841	8.598	13910268	15250650	263.851	278.311
45)	L9 AR-1268-5	10.293	8.924	97405753	97904672	261.724	261.345

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

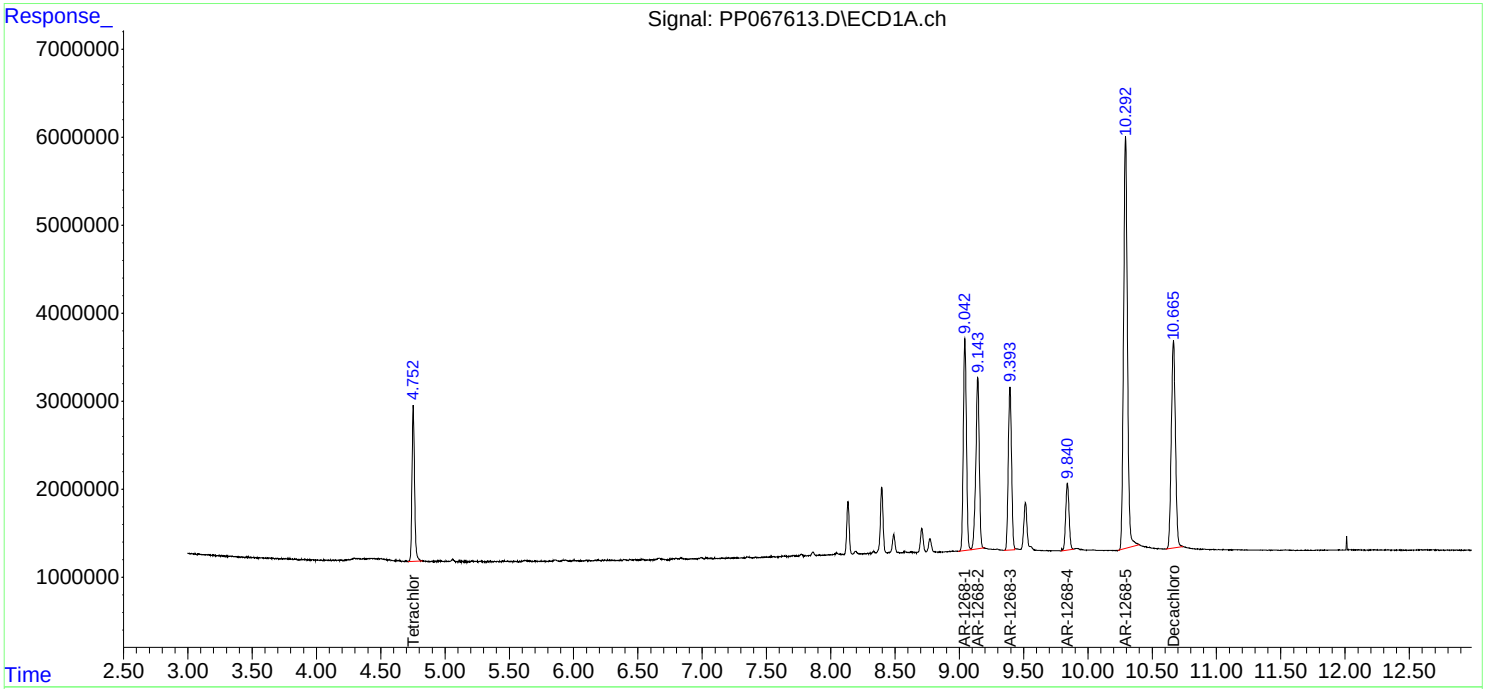
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

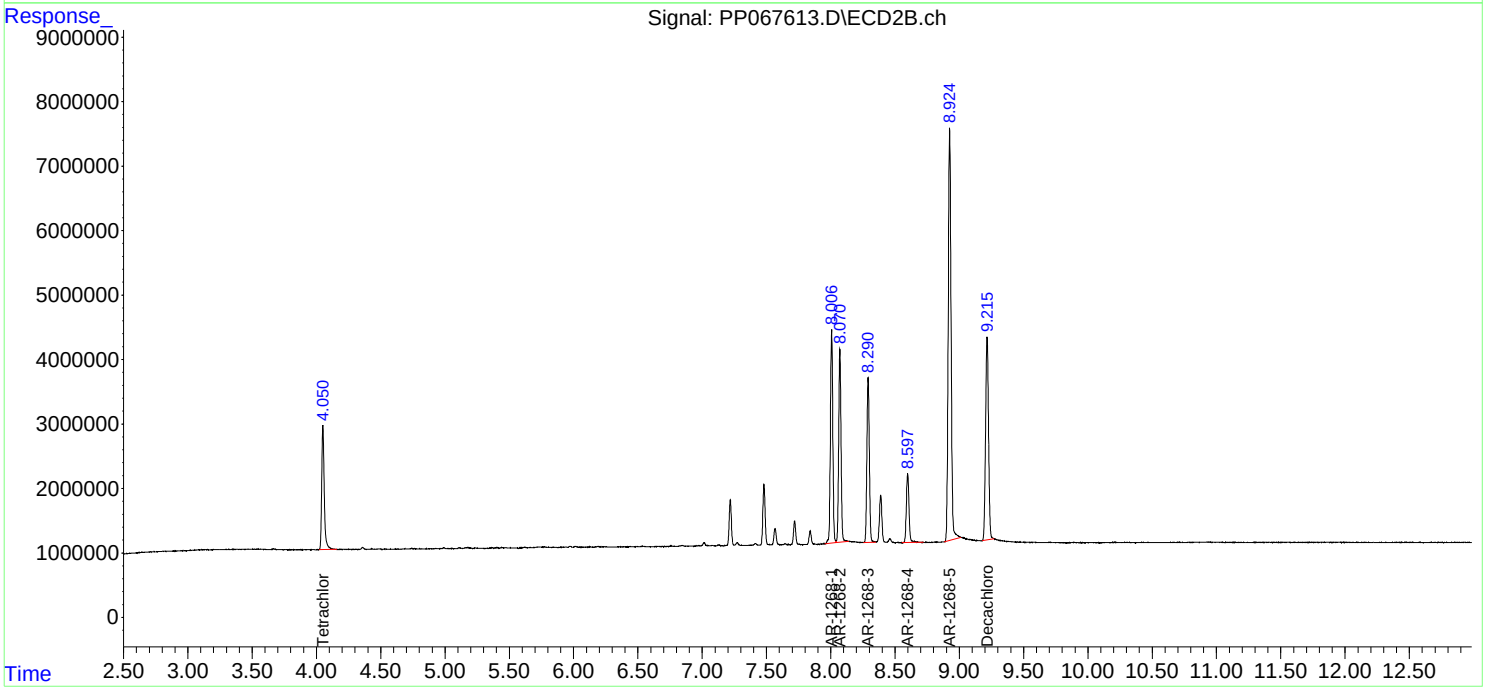
Manual Integrations APPROVED

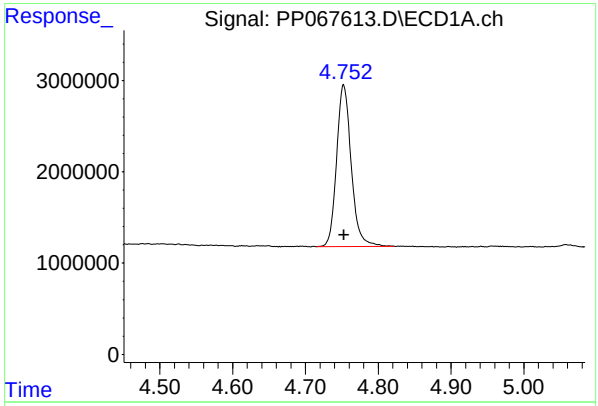
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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







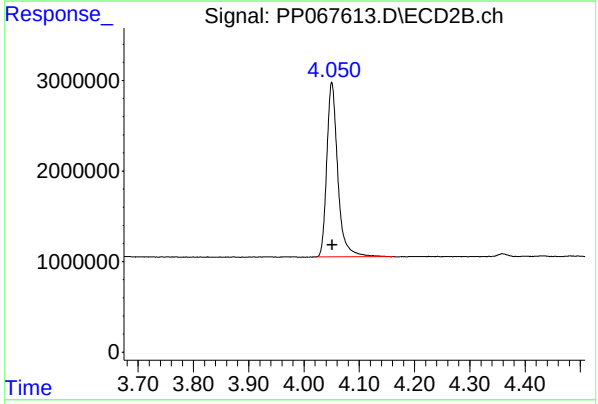
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 24666919
Conc: 25.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

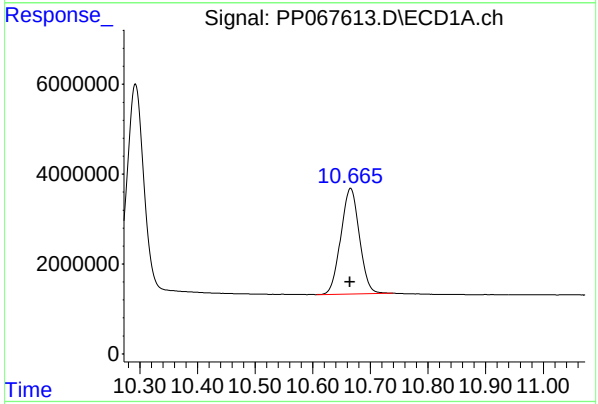
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



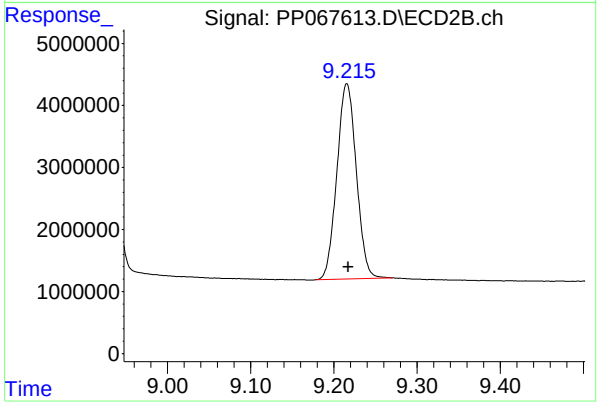
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.001 min
Response: 26616902
Conc: 26.43 ng/ml



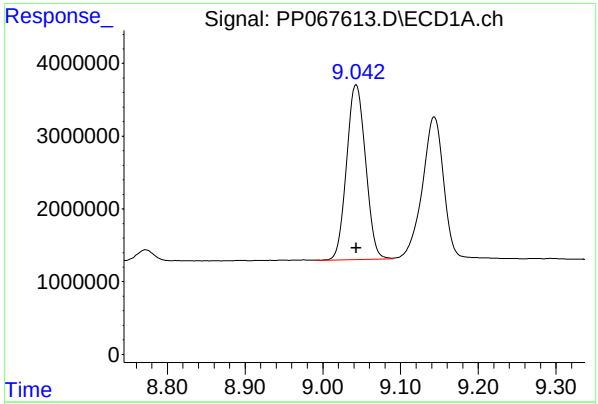
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 52348103
Conc: 26.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.002 min
Response: 51189487
Conc: 27.09 ng/ml



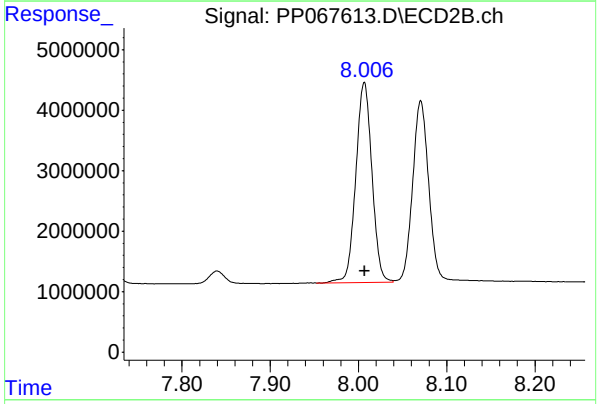
#41 AR-1268-1

R.T.: 9.042 min
Delta R.T.: 0.000 mi
Response: 40679699
Conc: 269.85 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

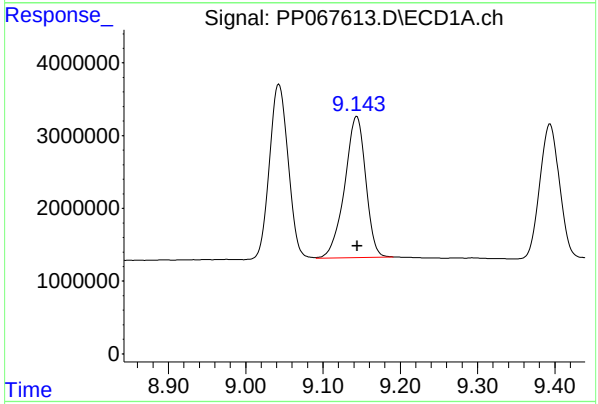
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



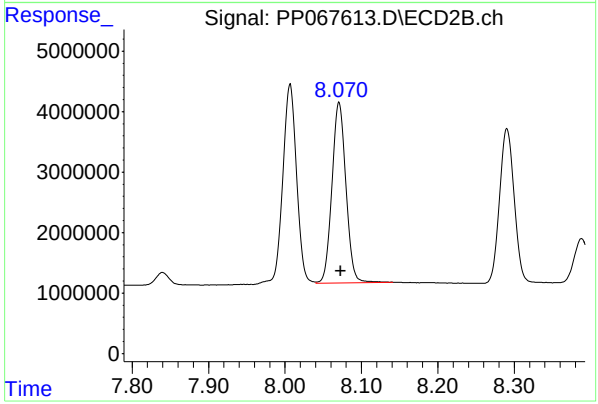
#41 AR-1268-1

R.T.: 8.006 min
Delta R.T.: 0.000 min
Response: 42019978
Conc: 265.79 ng/ml m



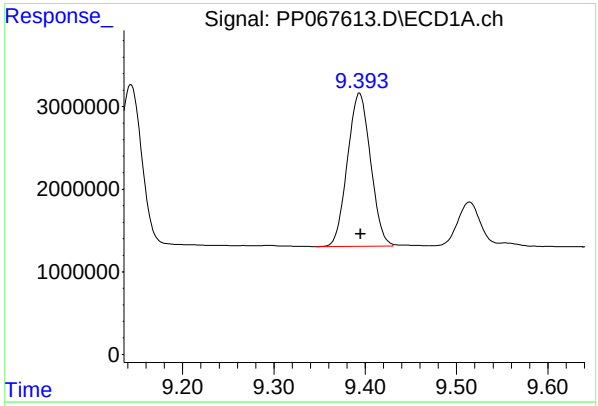
#42 AR-1268-2

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 36435946
Conc: 266.78 ng/ml



#42 AR-1268-2

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 37805506
Conc: 265.26 ng/ml



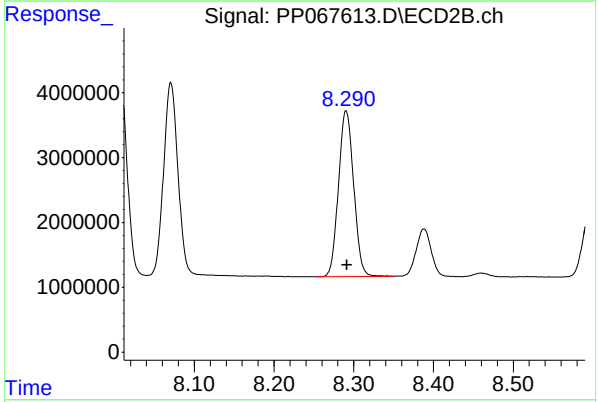
#43 AR-1268-3

R.T.: 9.394 min
Delta R.T.: 0.000 min
Response: 32633567
Conc: 272.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

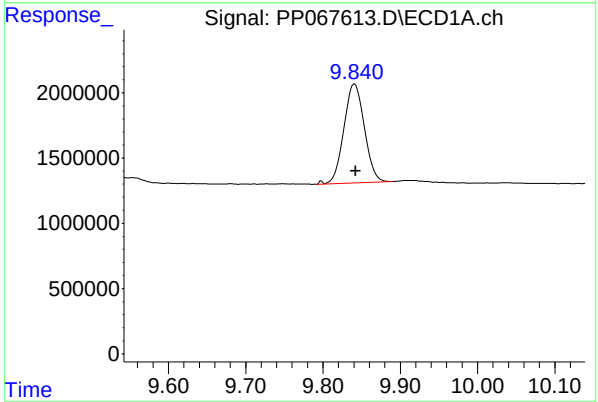
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



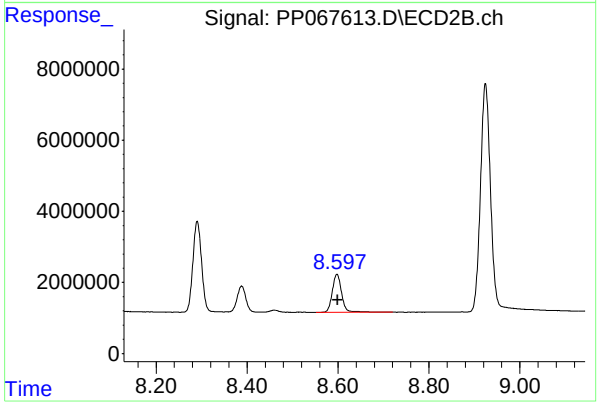
#43 AR-1268-3

R.T.: 8.290 min
Delta R.T.: -0.001 min
Response: 33939255
Conc: 268.26 ng/ml



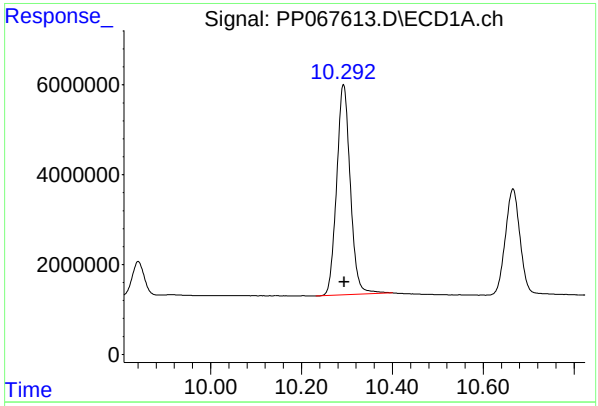
#44 AR-1268-4

R.T.: 9.841 min
Delta R.T.: -0.002 min
Response: 13910268
Conc: 263.85 ng/ml



#44 AR-1268-4

R.T.: 8.598 min
Delta R.T.: -0.002 min
Response: 15250650
Conc: 278.31 ng/ml



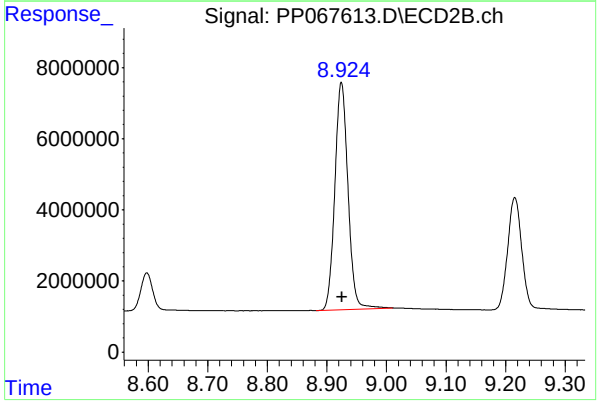
#45 AR-1268-5

R.T.: 10.293 min
Delta R.T.: -0.001 min
Response: 97405753
Conc: 261.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#45 AR-1268-5

R.T.: 8.924 min
Delta R.T.: -0.001 min
Response: 97904672
Conc: 261.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	4444051	4895264	4.650	4.861
2)	SA Decachlor...	10.666	9.216	10815395	10765076	5.538	5.697
	Target Compounds						
41)	L9 AR-1268-1	9.043	8.008	8277031	8538939	54.906m	54.012m
42)	L9 AR-1268-2	9.143	8.072	7244406	7593126	53.043	53.276
43)	L9 AR-1268-3	9.395	8.292	6350522	6820279	53.082	53.908
44)	L9 AR-1268-4	9.842	8.599	2389235	3033576	45.319	55.360
45)	L9 AR-1268-5	10.293	8.926	20024327	20008093	53.804	53.409

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

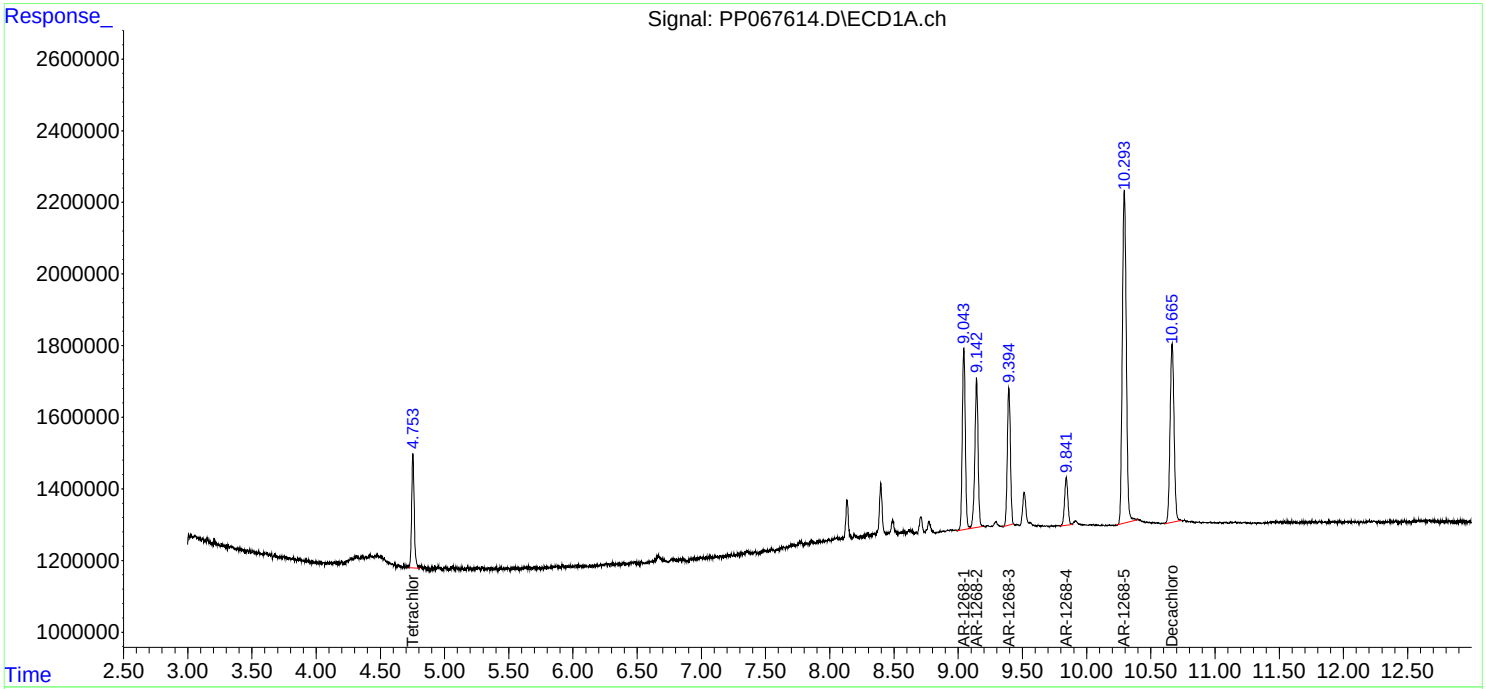
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

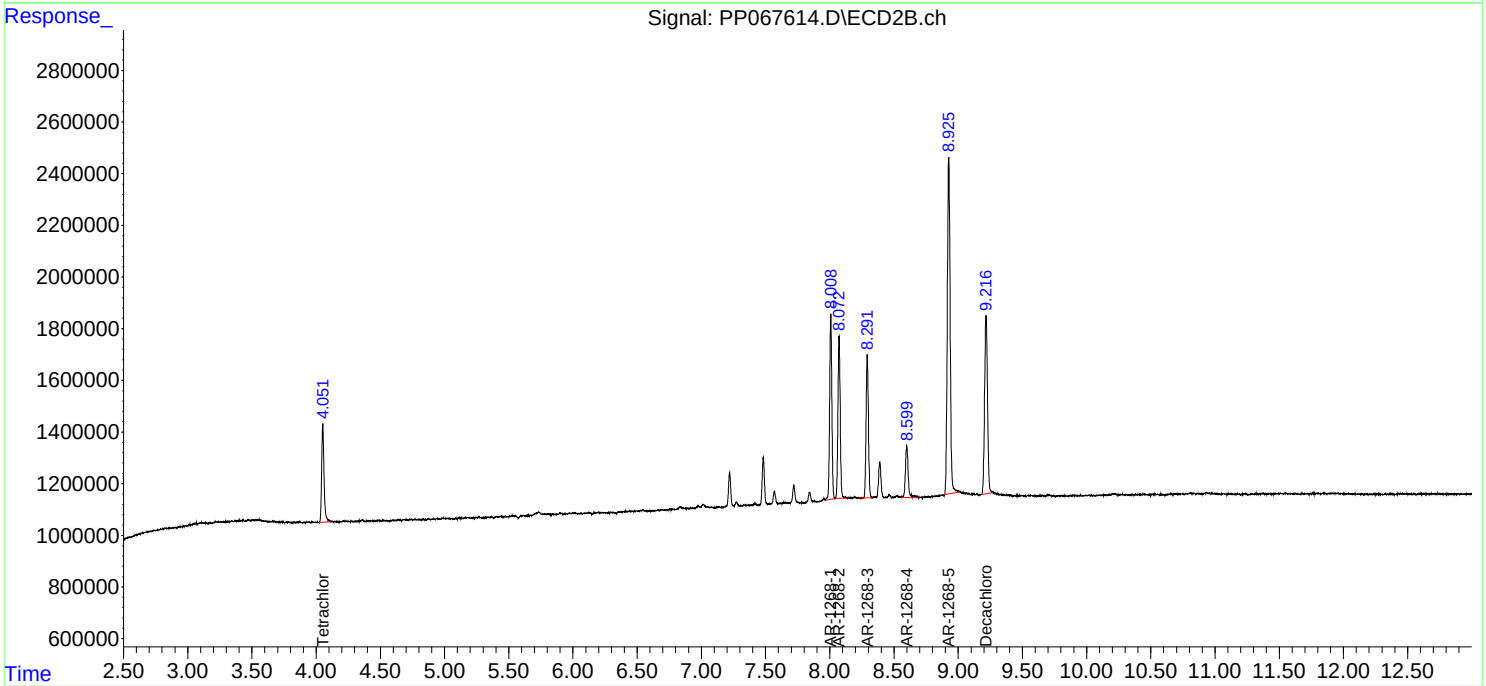
Manual Integrations APPROVED

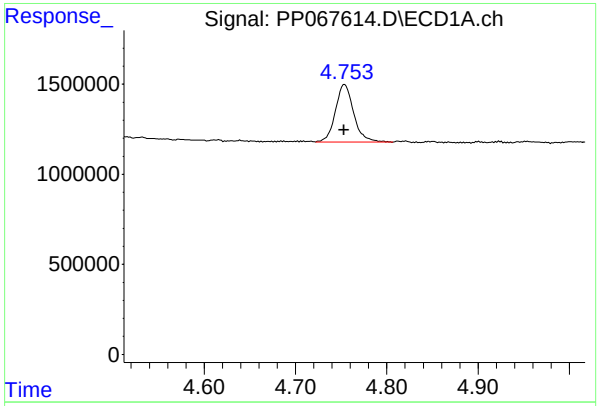
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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







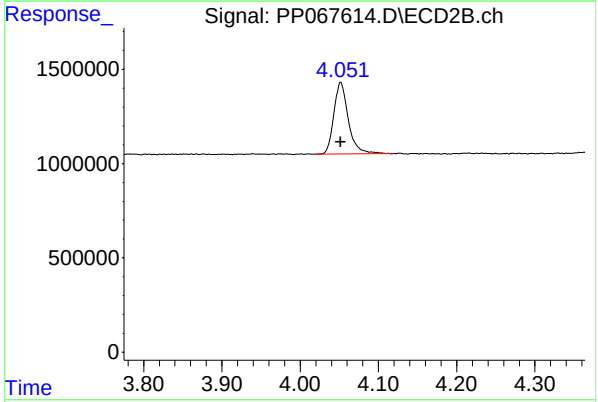
#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 4444051
Conc: 4.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

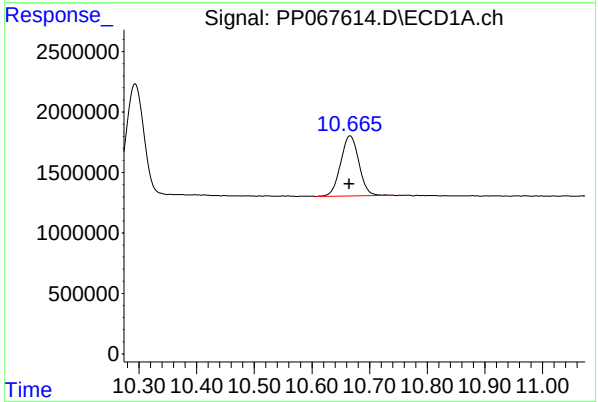
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



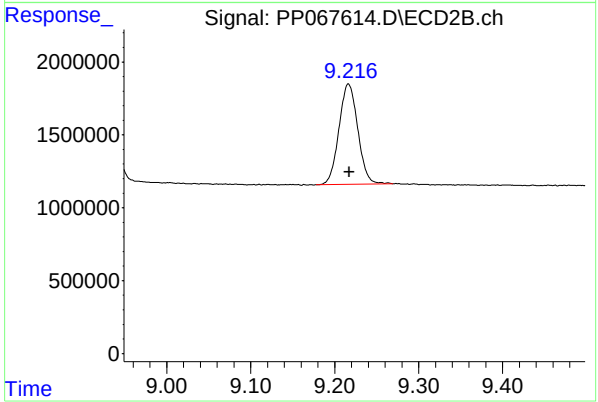
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4895264
Conc: 4.86 ng/ml



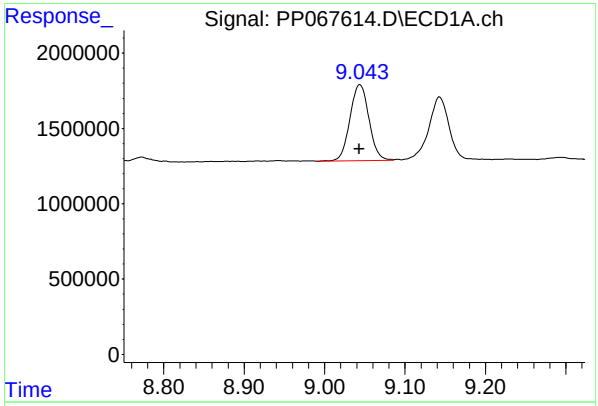
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.001 min
Response: 10815395
Conc: 5.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: 0.000 min
Response: 10765076
Conc: 5.70 ng/ml



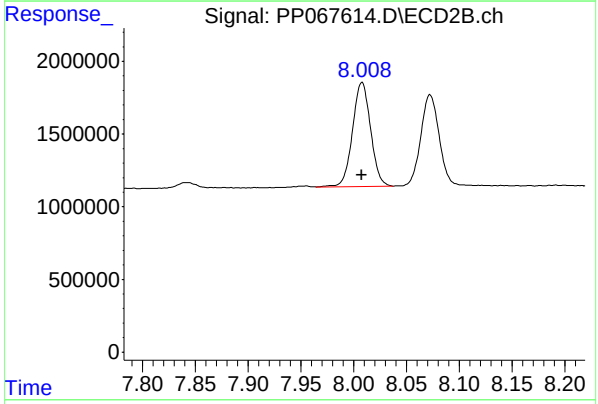
#41 AR-1268-1

R.T.: 9.043 min
Delta R.T.: 0.000 mi
Response: 8277031
Conc: 54.91 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

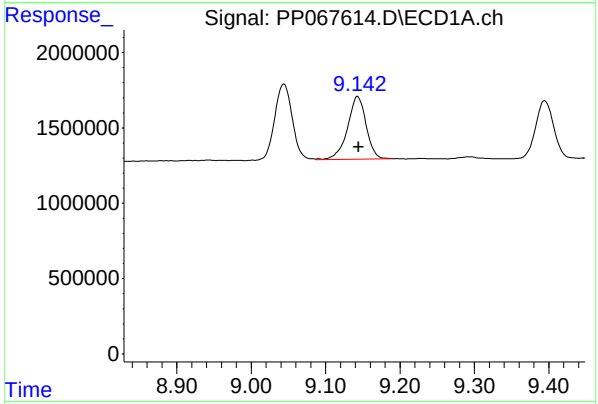
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



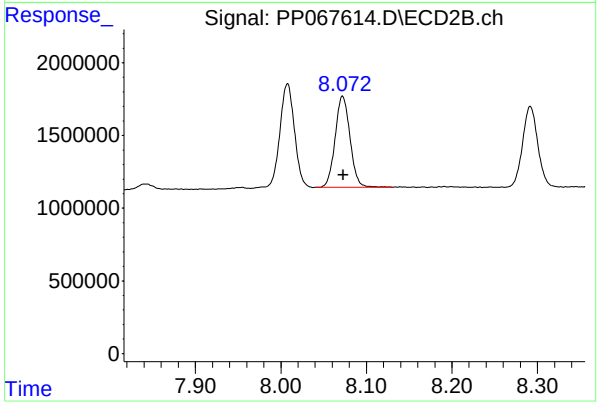
#41 AR-1268-1

R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 8538939
Conc: 54.01 ng/ml m



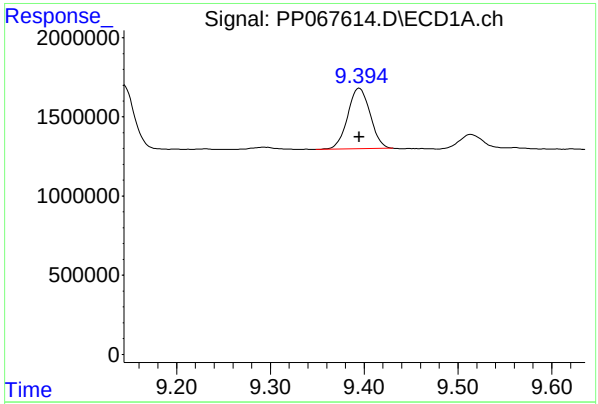
#42 AR-1268-2

R.T.: 9.143 min
Delta R.T.: -0.001 min
Response: 7244406
Conc: 53.04 ng/ml



#42 AR-1268-2

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 7593126
Conc: 53.28 ng/ml



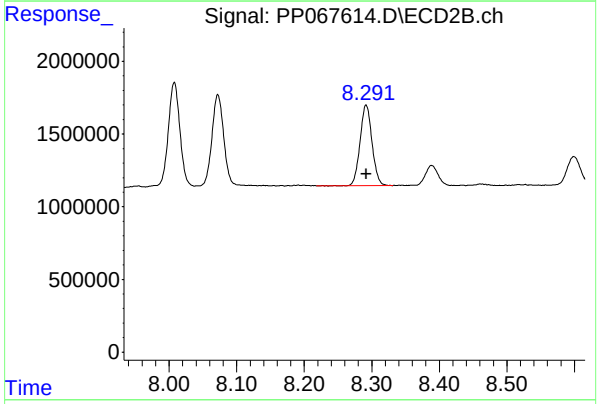
#43 AR-1268-3

R.T.: 9.395 min
Delta R.T.: 0.000 min
Response: 6350522
Conc: 53.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

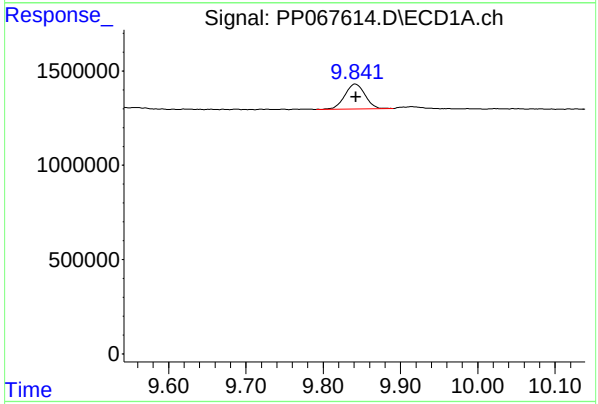
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



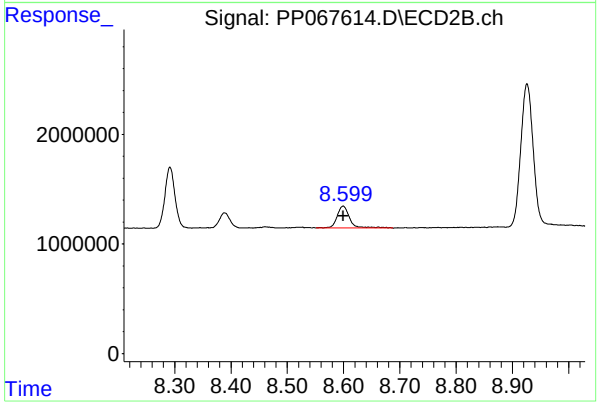
#43 AR-1268-3

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 6820279
Conc: 53.91 ng/ml



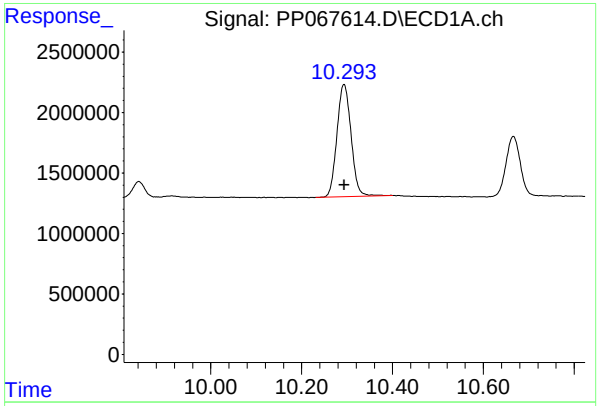
#44 AR-1268-4

R.T.: 9.842 min
Delta R.T.: 0.000 min
Response: 2389235
Conc: 45.32 ng/ml



#44 AR-1268-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 3033576
Conc: 55.36 ng/ml



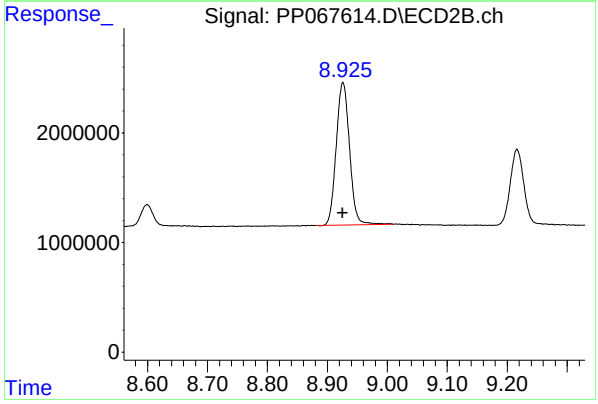
#45 AR-1268-5

R.T.: 10.293 min
Delta R.T.: 0.000 min
Response: 20024327
Conc: 53.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#45 AR-1268-5

R.T.: 8.926 min
Delta R.T.: 0.000 min
Response: 20008093
Conc: 53.41 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.052	47818896	51563992	51.660	51.033
2)	SA Decachlor...	10.666	9.217	58541510	56291764	50.848	50.195
	Target Compounds						
3)	L1 AR-1016-1	5.917	5.160	17263145	17512226	522.071	500.532
4)	L1 AR-1016-2	5.940	5.180	24637155	24097092	505.161	500.266
5)	L1 AR-1016-3	6.003	5.360	16248093	13652900	515.617	506.836
6)	L1 AR-1016-4	6.102	5.400	12907015	12153746	501.367	504.617
7)	L1 AR-1016-5	6.396	5.619	13858394	15642712	512.005	514.396
31)	L7 AR-1260-1	7.519	6.663	27268126	28191941	504.744	494.926
32)	L7 AR-1260-2	7.773	6.849	31860763	33140895	503.562	496.832
33)	L7 AR-1260-3	8.133	7.007	26673983	31543437	514.457	495.179
34)	L7 AR-1260-4	8.372	7.482	30787260	27615536	511.464	499.442
35)	L7 AR-1260-5	8.710	7.720	54874539	60890572	509.456	497.885

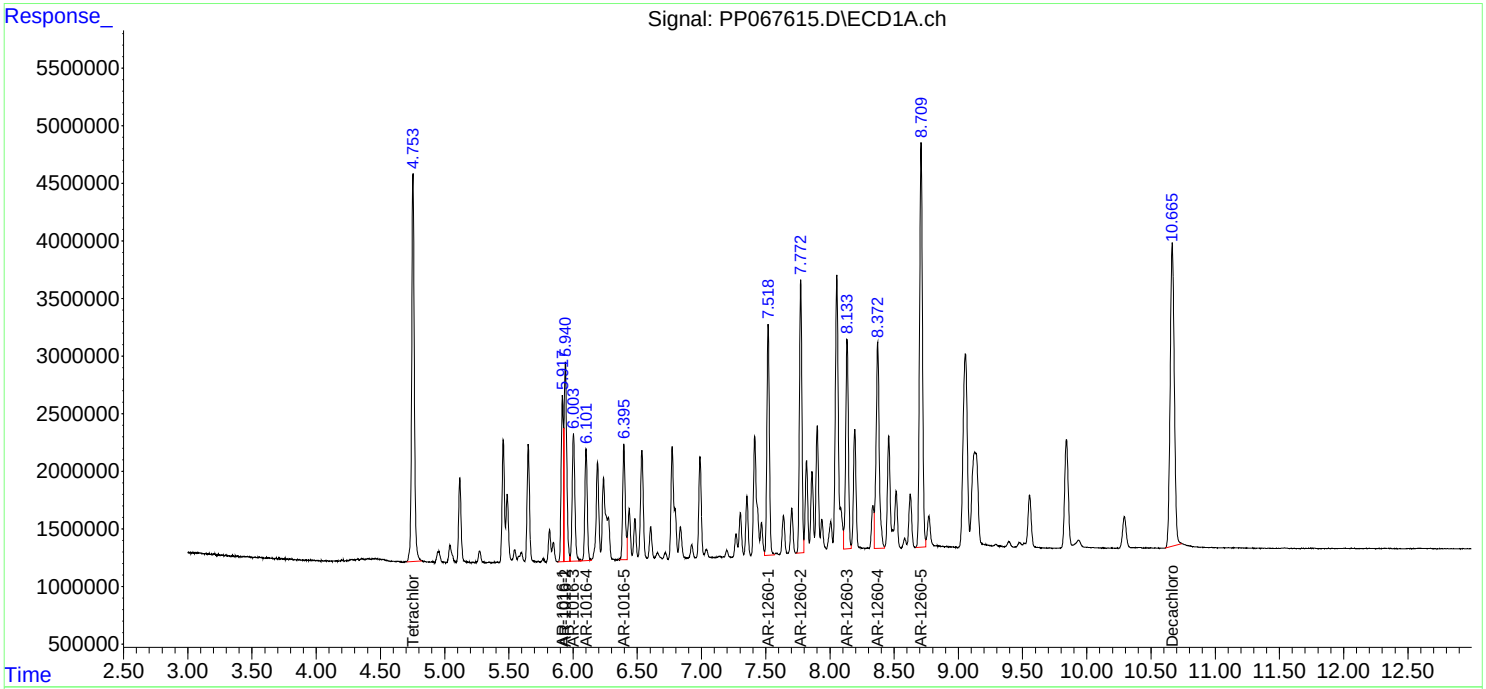
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

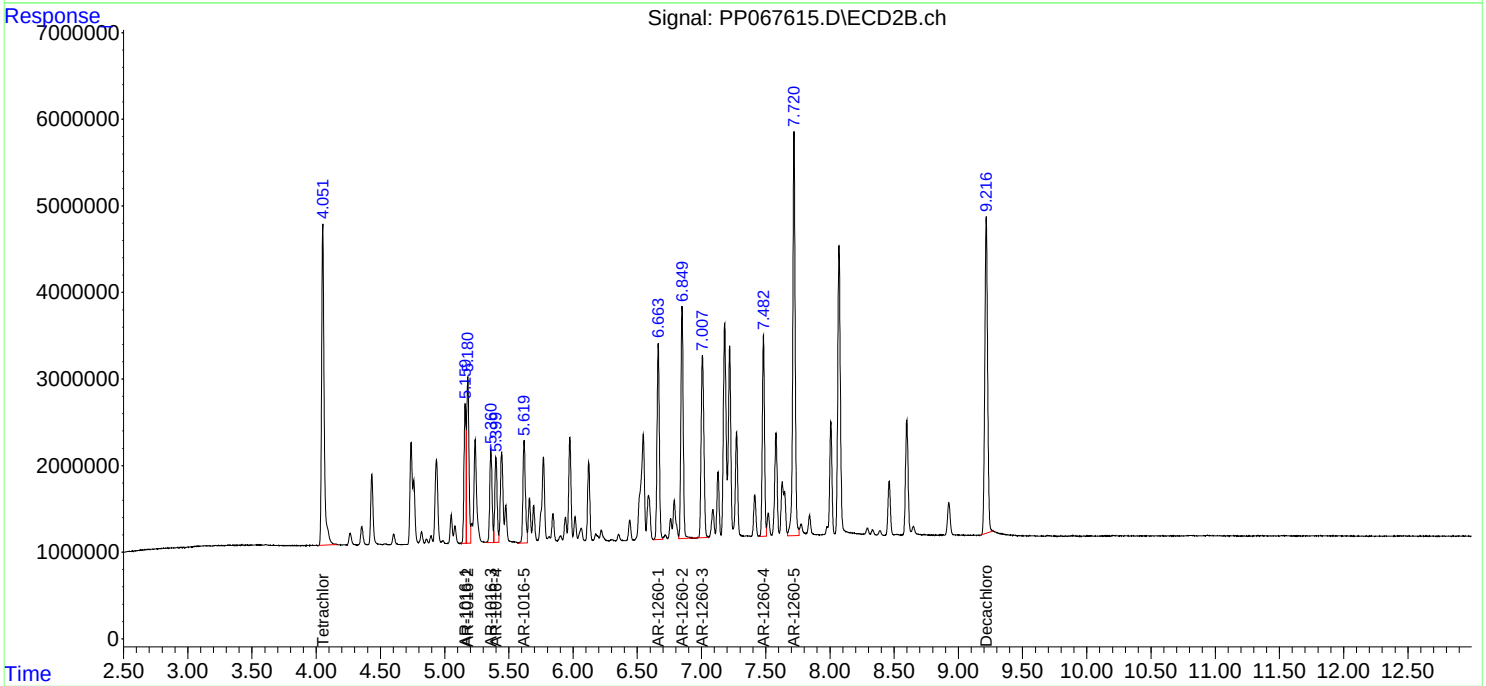
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

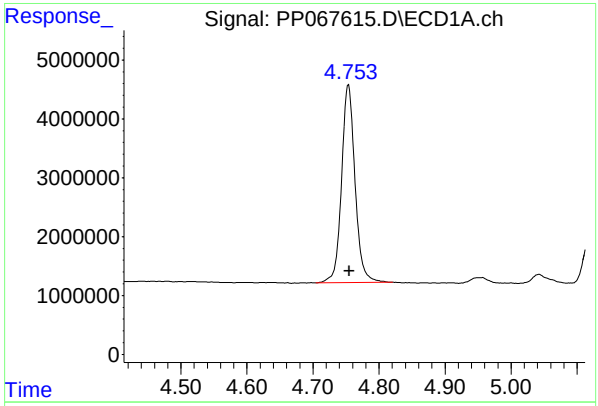
Instrument :
ECD_P
ClientSampleId :
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



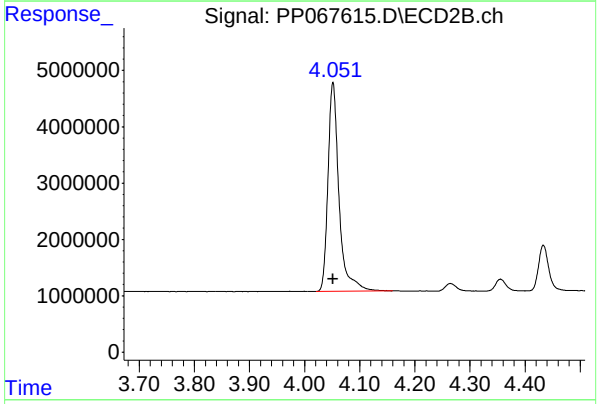




#1 Tetrachloro-m-xylene

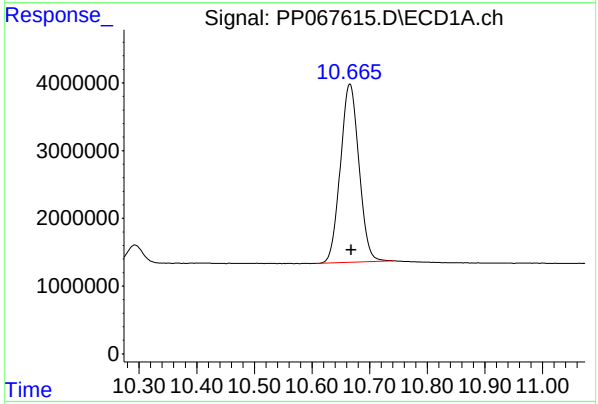
R.T.: 4.754 min
Delta R.T.: -0.001 min
Response: 47818896
Conc: 51.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824



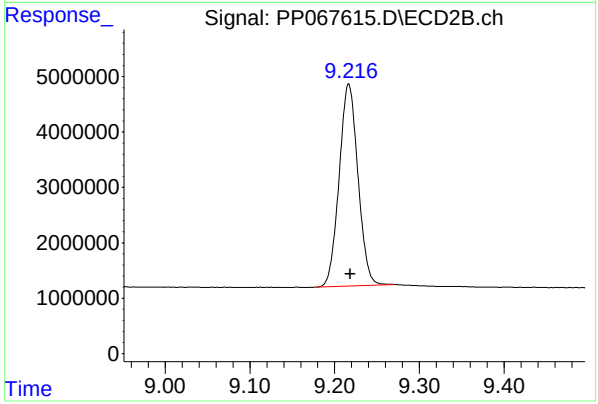
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51563992
Conc: 51.03 ng/ml



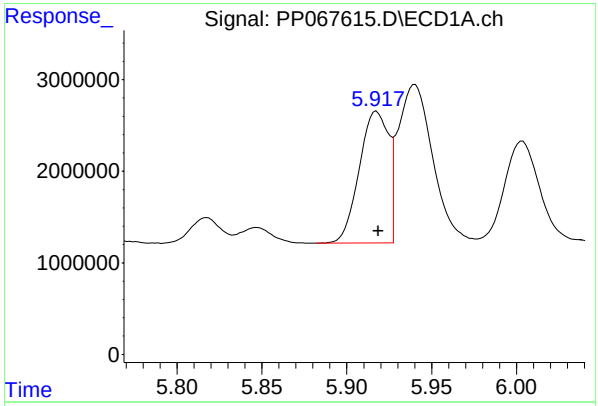
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: -0.003 min
Response: 58541510
Conc: 50.85 ng/ml



#2 Decachlorobiphenyl

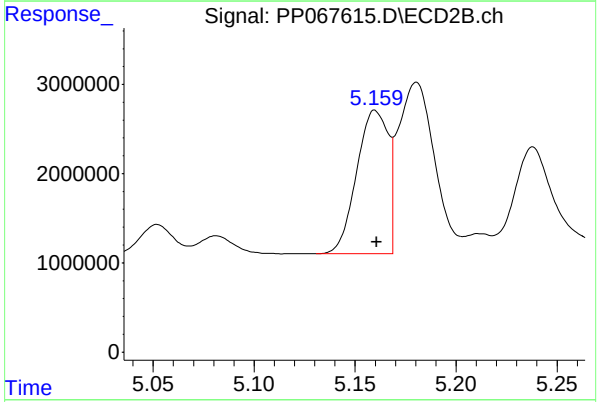
R.T.: 9.217 min
Delta R.T.: -0.002 min
Response: 56291764
Conc: 50.20 ng/ml



#3 AR-1016-1

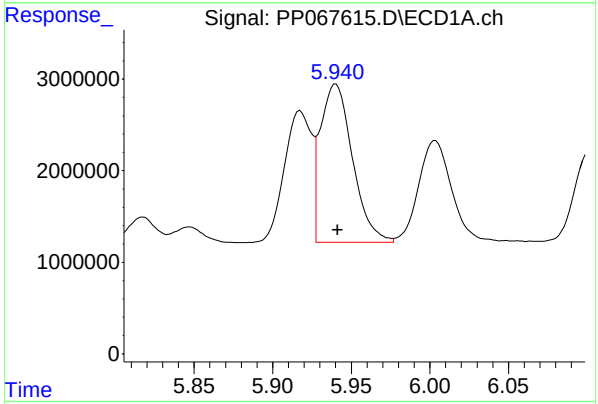
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 17263145
Conc: 522.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824



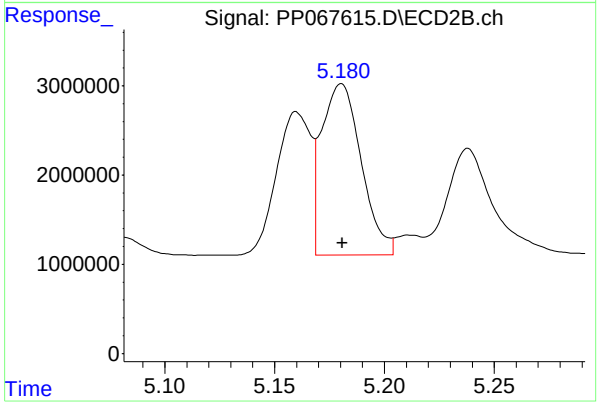
#3 AR-1016-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 17512226
Conc: 500.53 ng/ml



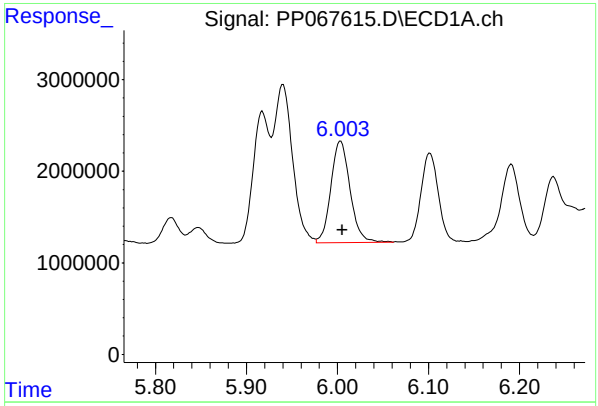
#4 AR-1016-2

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 24637155
Conc: 505.16 ng/ml



#4 AR-1016-2

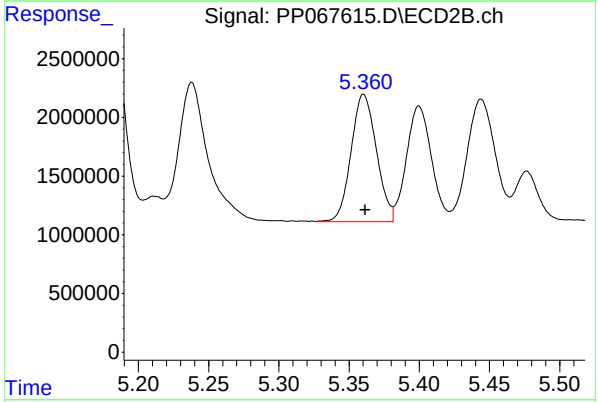
R.T.: 5.180 min
Delta R.T.: 0.000 min
Response: 24097092
Conc: 500.27 ng/ml



#5 AR-1016-3

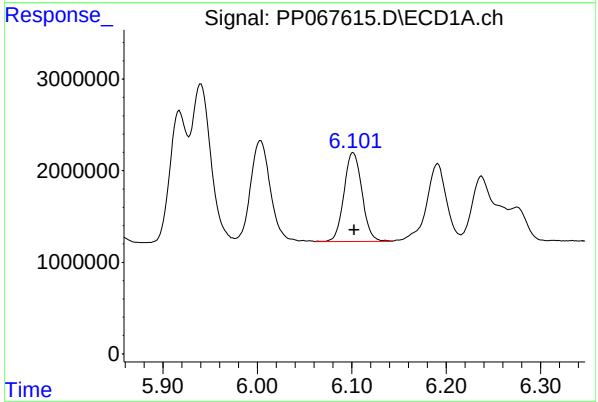
R.T.: 6.003 min
Delta R.T.: -0.002 min
Response: 16248093
Conc: 515.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824



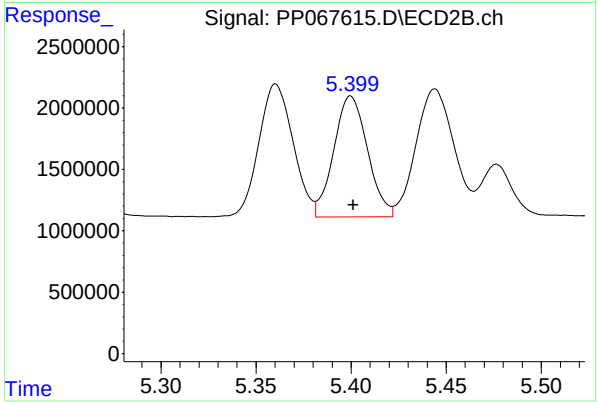
#5 AR-1016-3

R.T.: 5.360 min
Delta R.T.: -0.001 min
Response: 13652900
Conc: 506.84 ng/ml



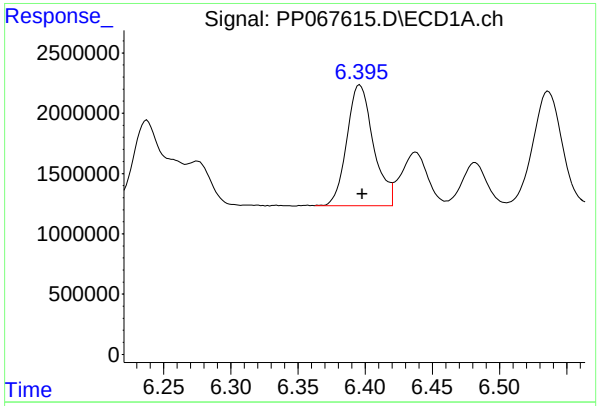
#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: -0.001 min
Response: 12907015
Conc: 501.37 ng/ml



#6 AR-1016-4

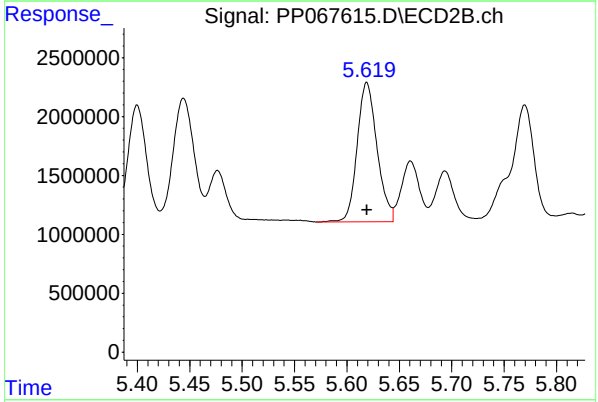
R.T.: 5.400 min
Delta R.T.: -0.001 min
Response: 12153746
Conc: 504.62 ng/ml



#7 AR-1016-5

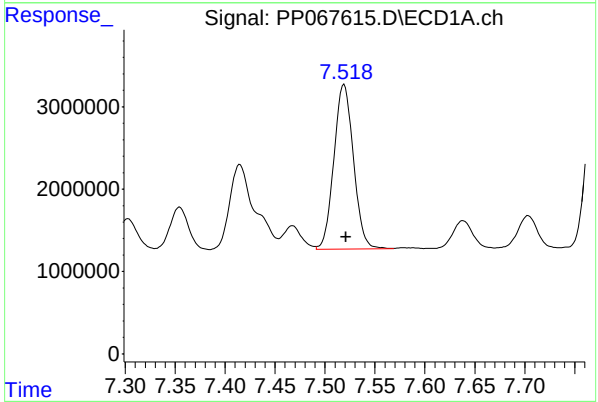
R.T.: 6.396 min
Delta R.T.: -0.002 min
Response: 13858394
Conc: 512.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824



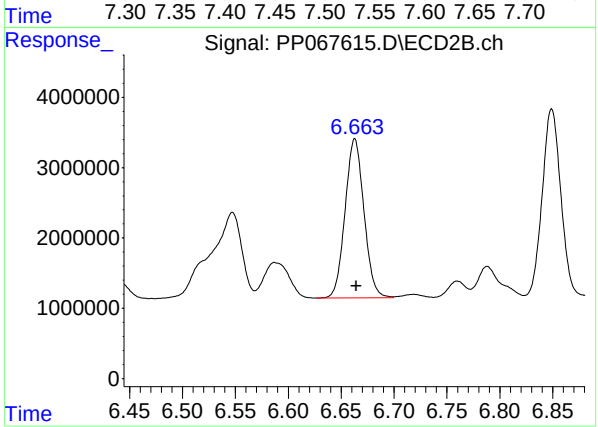
#7 AR-1016-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 15642712
Conc: 514.40 ng/ml



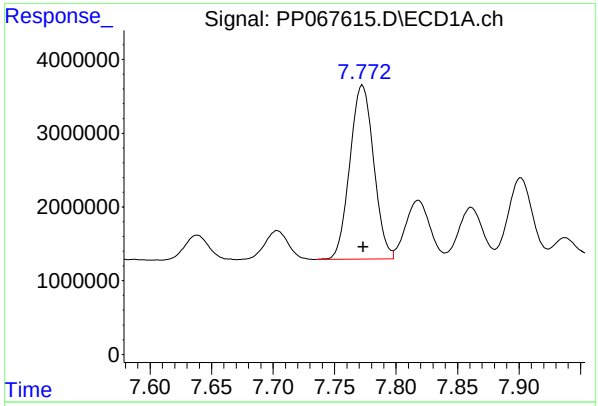
#31 AR-1260-1

R.T.: 7.519 min
Delta R.T.: -0.002 min
Response: 27268126
Conc: 504.74 ng/ml



#31 AR-1260-1

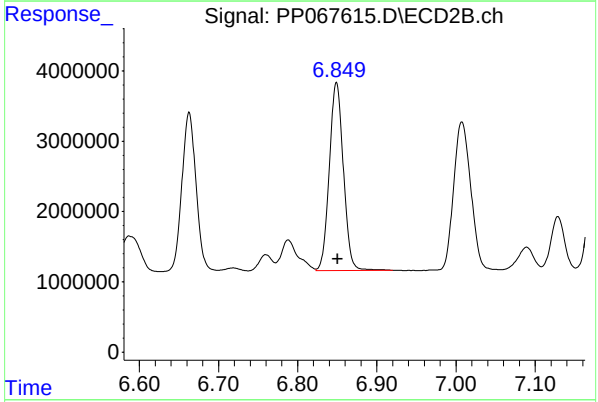
R.T.: 6.663 min
Delta R.T.: -0.001 min
Response: 28191941
Conc: 494.93 ng/ml



#32 AR-1260-2

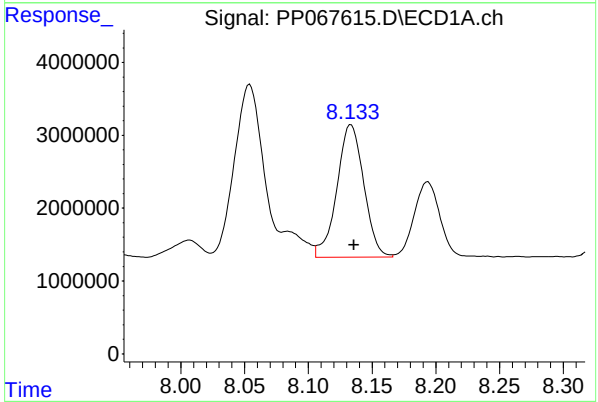
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 31860763
Conc: 503.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824



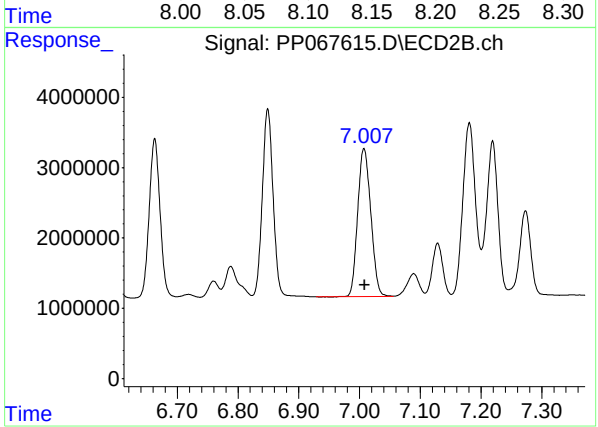
#32 AR-1260-2

R.T.: 6.849 min
Delta R.T.: -0.002 min
Response: 33140895
Conc: 496.83 ng/ml



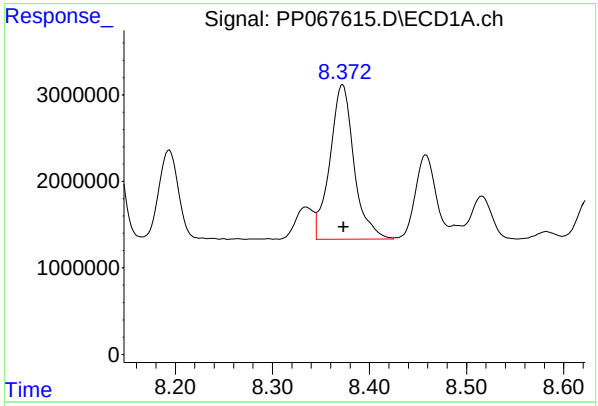
#33 AR-1260-3

R.T.: 8.133 min
Delta R.T.: -0.002 min
Response: 26673983
Conc: 514.46 ng/ml



#33 AR-1260-3

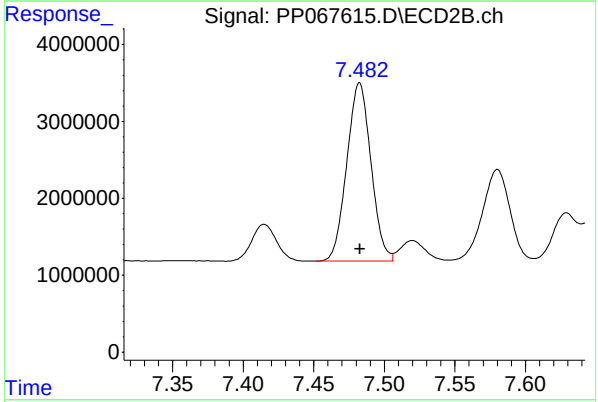
R.T.: 7.007 min
Delta R.T.: -0.001 min
Response: 31543437
Conc: 495.18 ng/ml



#34 AR-1260-4

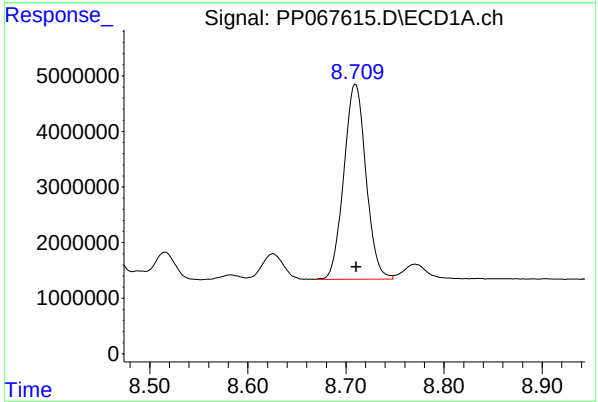
R.T.: 8.372 min
Delta R.T.: 0.000 min
Response: 30787260
Conc: 511.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824



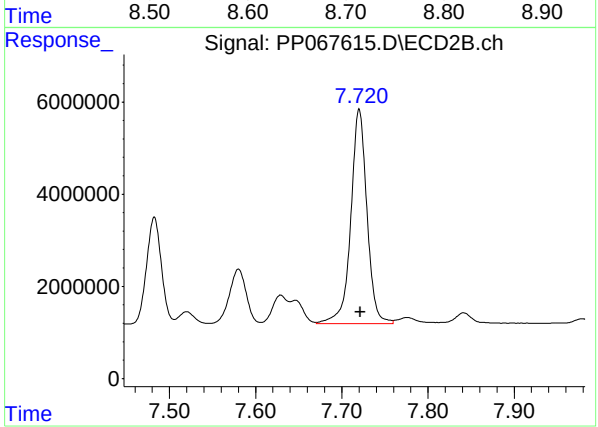
#34 AR-1260-4

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 27615536
Conc: 499.44 ng/ml



#35 AR-1260-5

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 54874539
Conc: 509.46 ng/ml



#35 AR-1260-5

R.T.: 7.720 min
Delta R.T.: -0.001 min
Response: 60890572
Conc: 497.88 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	48650594	52375624	51.902	51.231
2)	SA Decachlor...	10.665	9.218	59346654	57254165	51.037	50.352
	Target Compounds						
16)	L4 AR-1242-1	5.917	5.160	14462482	15978995	517.679	549.552m
17)	L4 AR-1242-2	5.939	5.180	20778833	19616005	511.357	488.596m
18)	L4 AR-1242-3	6.003	5.361	13537133	11580619	502.031	514.808
19)	L4 AR-1242-4	6.101	5.444	10883652	12214914	507.385	514.579
20)	L4 AR-1242-5	6.835	5.974	12246250	14434941	507.598	503.845

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

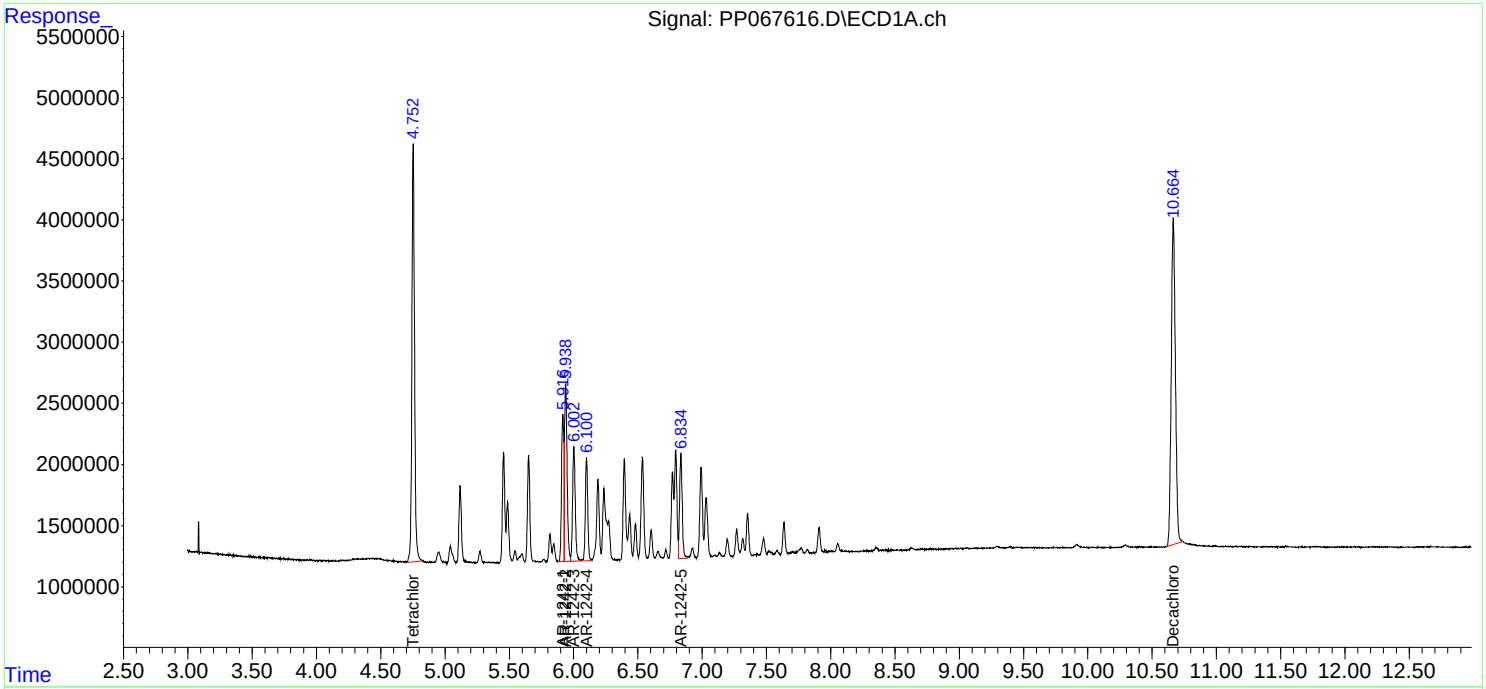
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

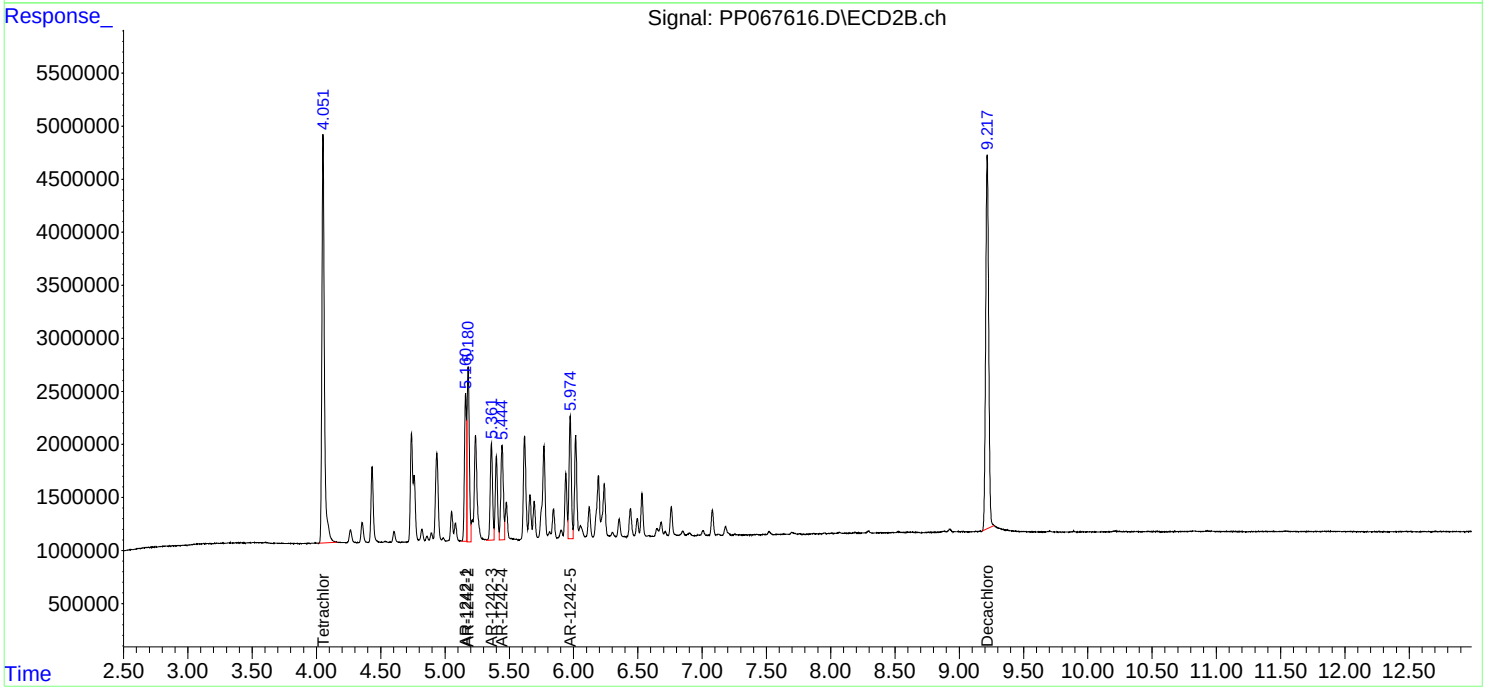
Manual Integrations APPROVED

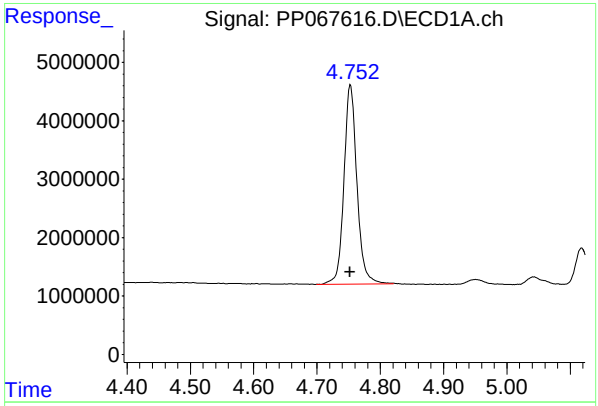
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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







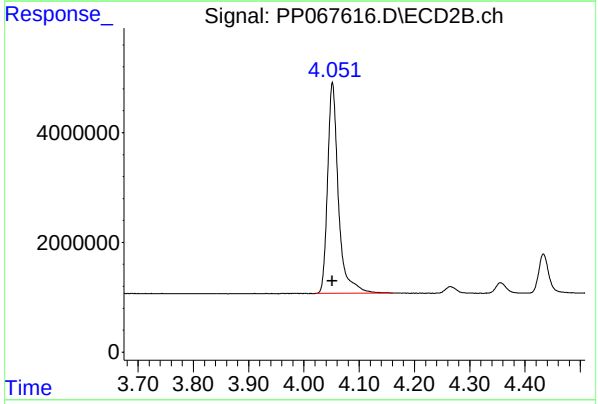
#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 48650594
Conc: 51.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

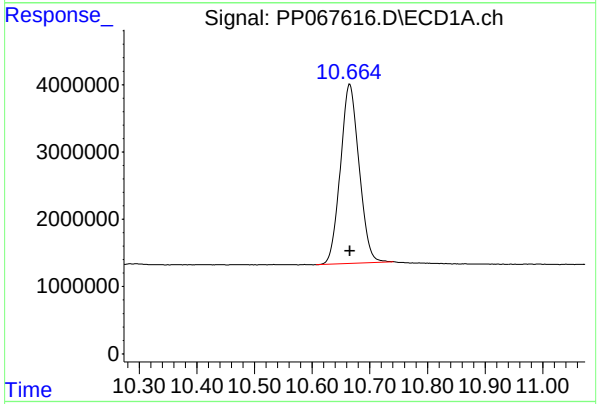
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



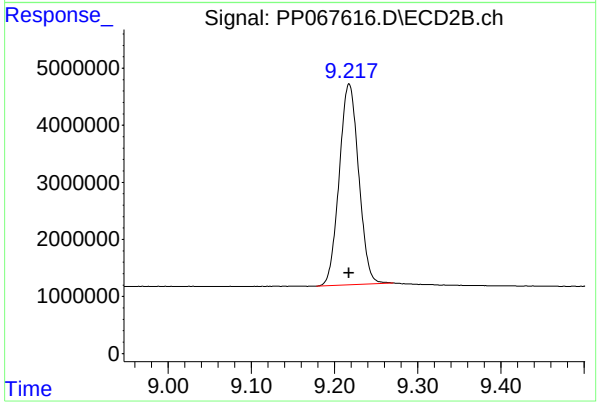
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 52375624
Conc: 51.23 ng/ml



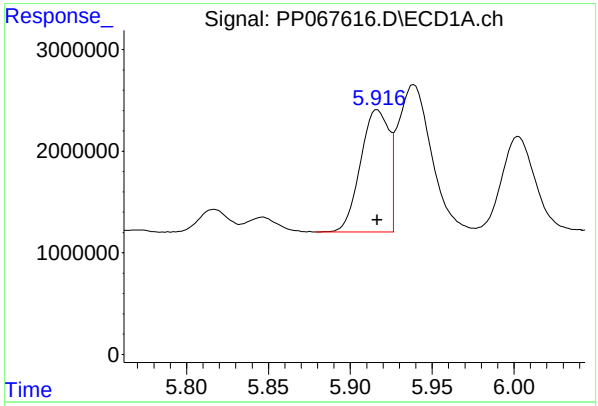
#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 59346654
Conc: 51.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 57254165
Conc: 50.35 ng/ml



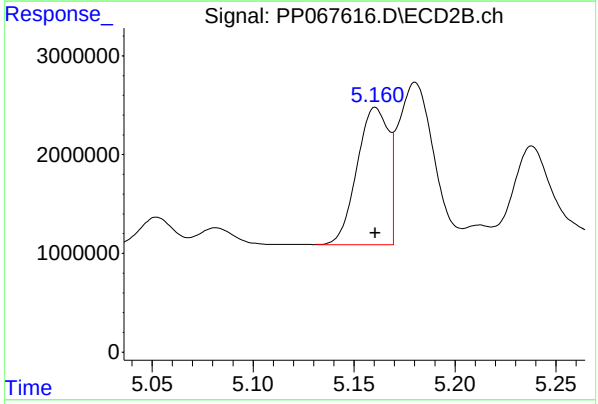
#16 AR-1242-1

R.T.: 5.917 min
Delta R.T.: 0.000 mi
Response: 14462482
Conc: 517.68 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

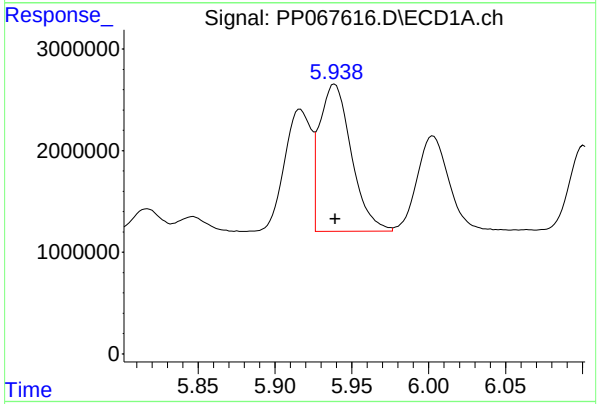
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



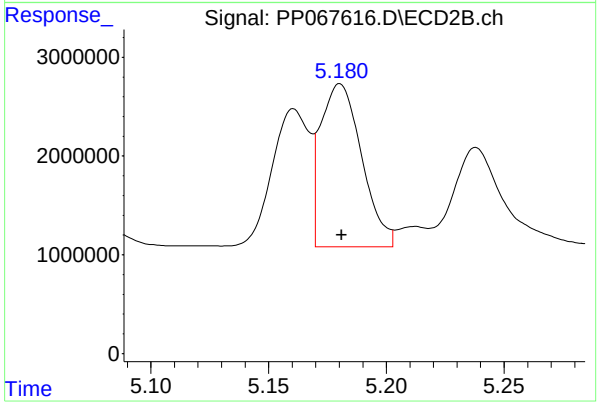
#16 AR-1242-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 15978995
Conc: 549.55 ng/ml m



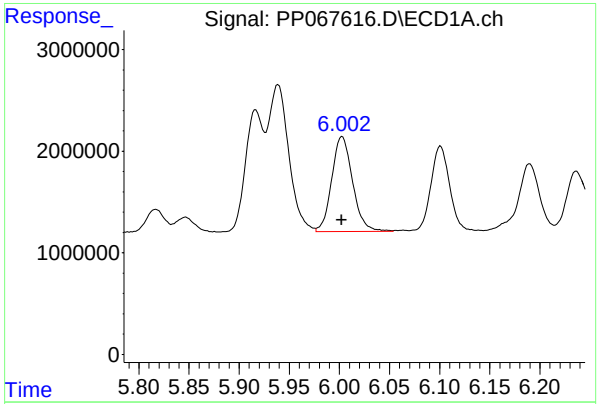
#17 AR-1242-2

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 20778833
Conc: 511.36 ng/ml



#17 AR-1242-2

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 19616005
Conc: 488.60 ng/ml m



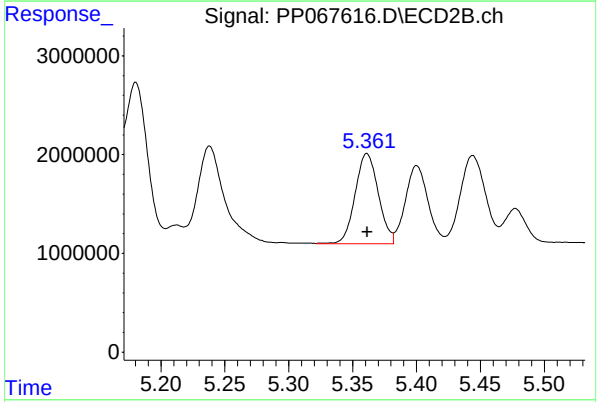
#18 AR-1242-3

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 13537133
Conc: 502.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

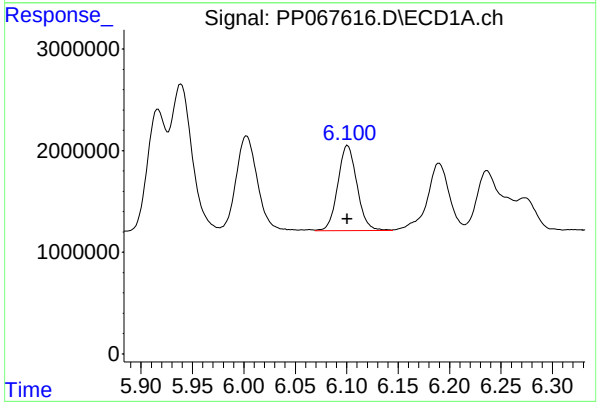
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



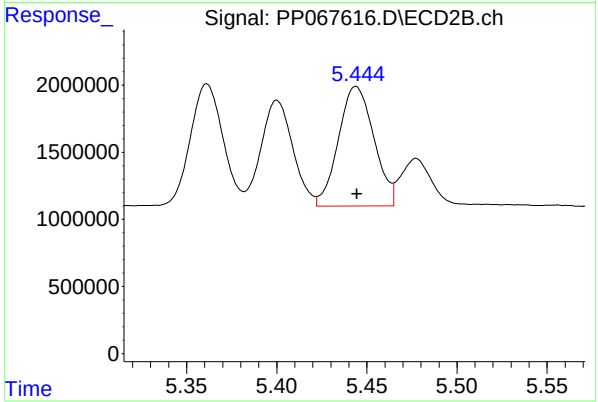
#18 AR-1242-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 11580619
Conc: 514.81 ng/ml



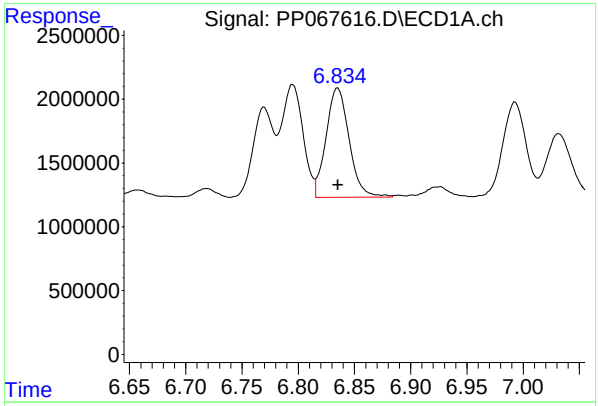
#19 AR-1242-4

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 10883652
Conc: 507.39 ng/ml



#19 AR-1242-4

R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 12214914
Conc: 514.58 ng/ml



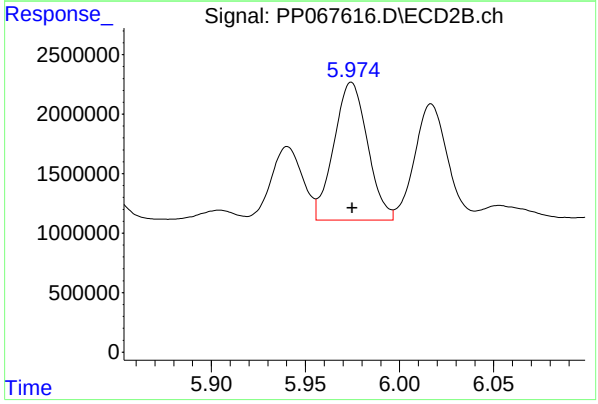
#20 AR-1242-5

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 12246250
Conc: 507.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#20 AR-1242-5

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 14434941
Conc: 503.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	47929126	51603157	51.315	51.526
2)	SA Decachlor...	10.666	9.217	59204707	57893421	50.009	50.840
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.160	11359469	11663900	530.249	514.649
22)	L5 AR-1248-2	6.190	5.400	17221900	16975707	512.302	512.926
23)	L5 AR-1248-3	6.396	5.444	18903781	17763189	516.138	515.254
24)	L5 AR-1248-4	6.796	5.619	20803279	20588412	514.287	502.697
25)	L5 AR-1248-5	6.835	6.017	20466751	18878098	516.042	504.180

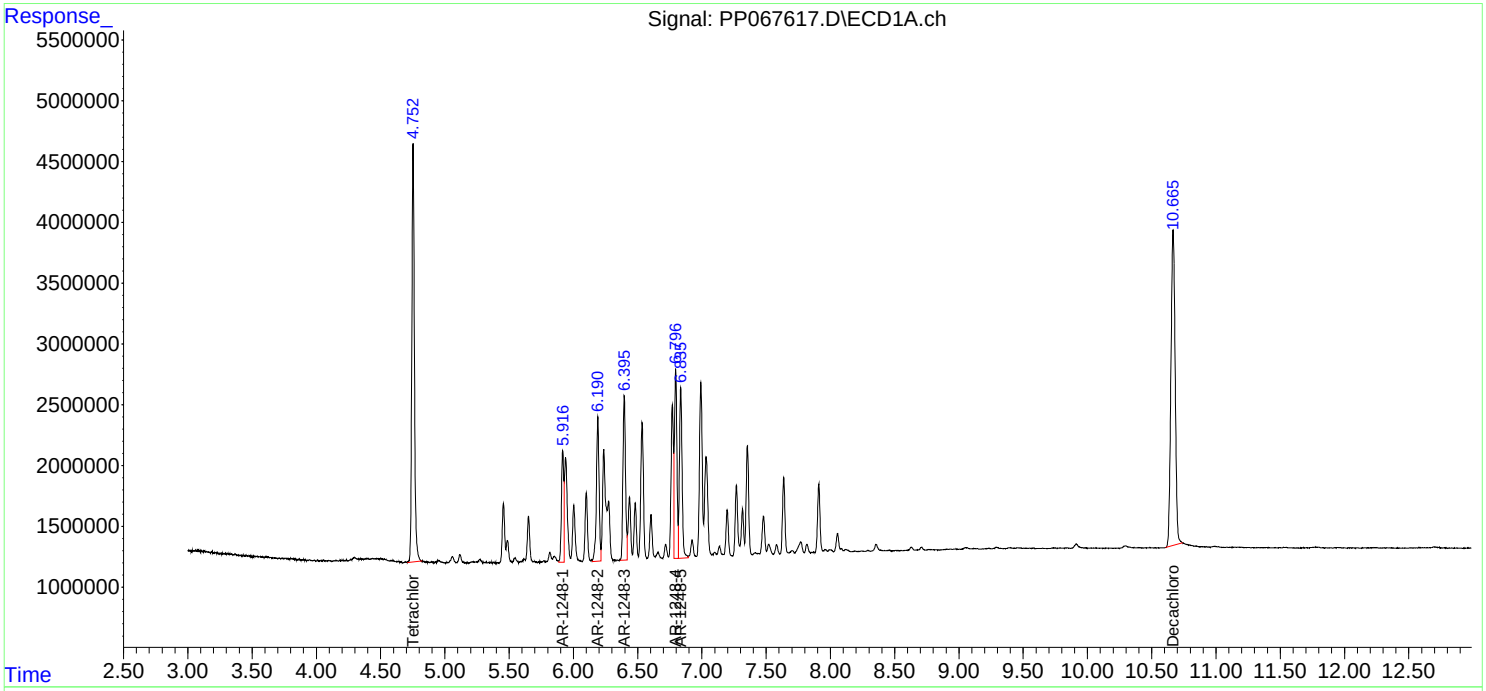
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

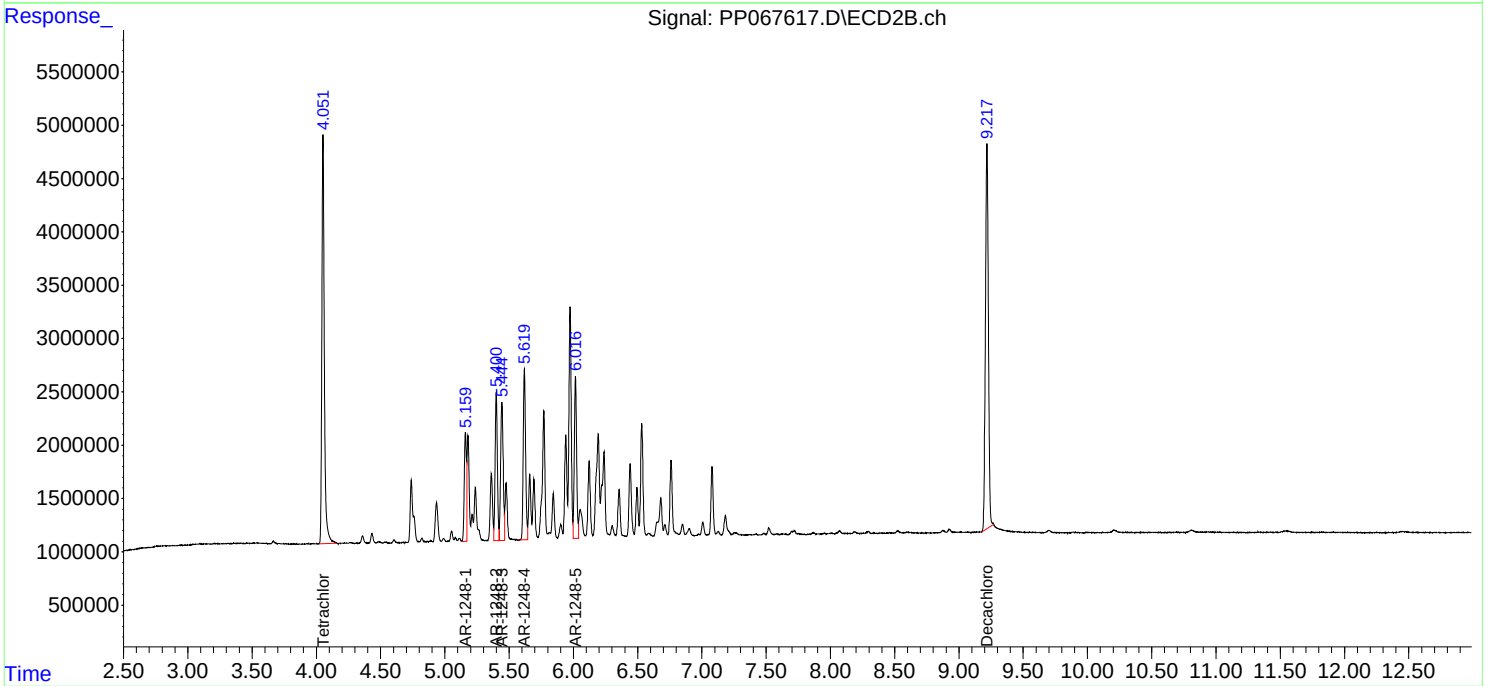
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

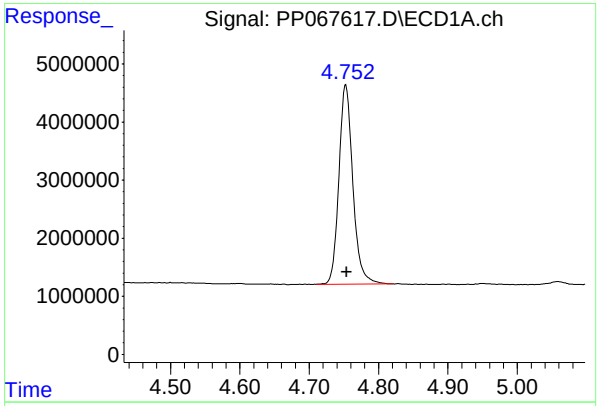
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



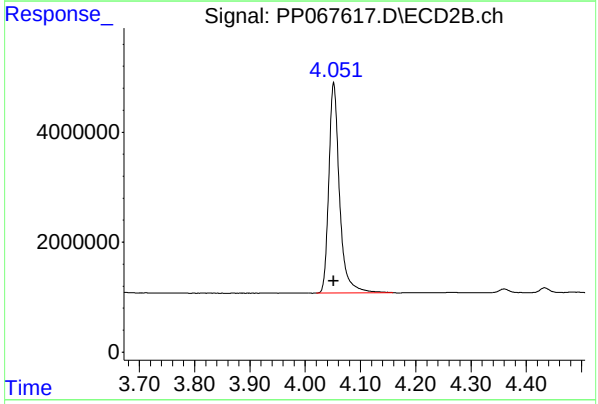




#1 Tetrachloro-m-xylene

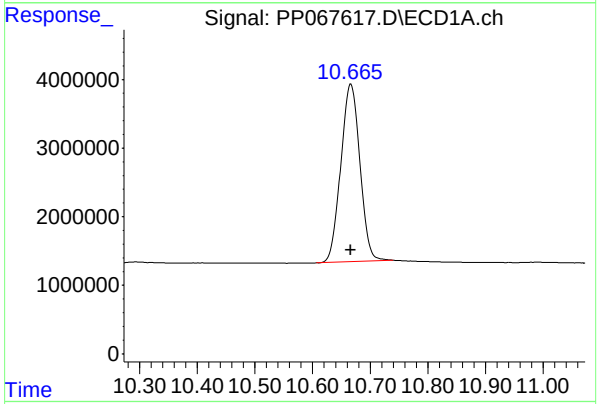
R.T.: 4.753 min
Delta R.T.: -0.001 min
Response: 47929126
Conc: 51.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248



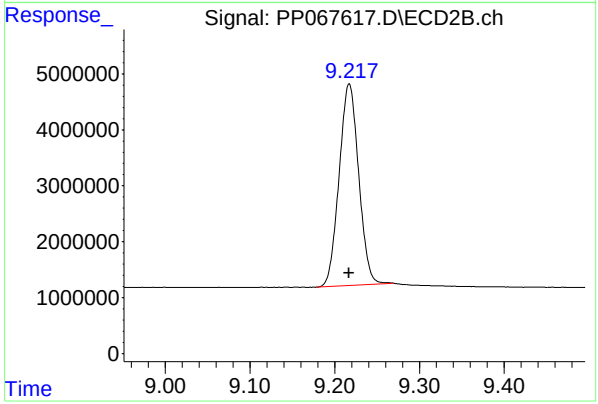
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51603157
Conc: 51.53 ng/ml



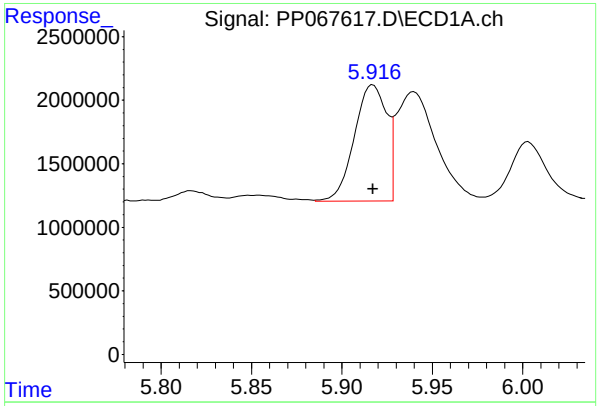
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 59204707
Conc: 50.01 ng/ml



#2 Decachlorobiphenyl

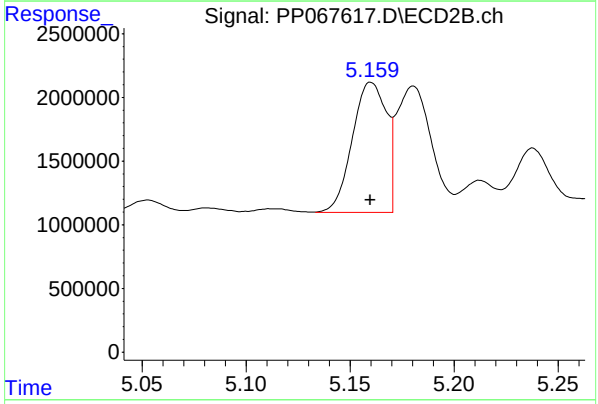
R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 57893421
Conc: 50.84 ng/ml



#21 AR-1248-1

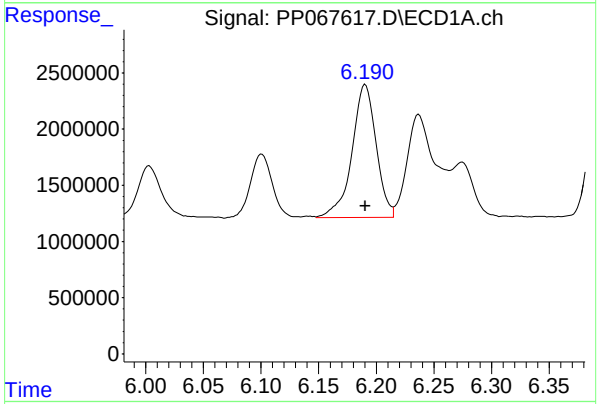
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 11359469
Conc: 530.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248



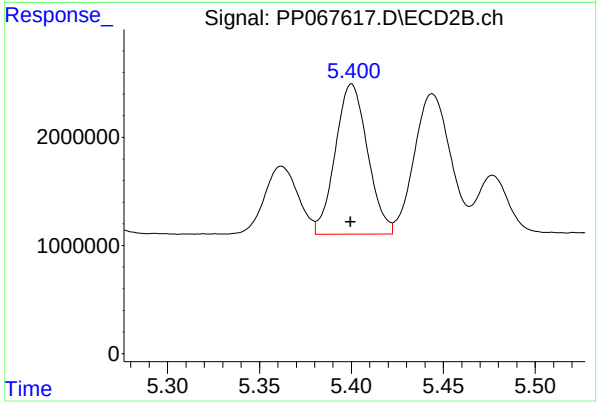
#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 11663900
Conc: 514.65 ng/ml



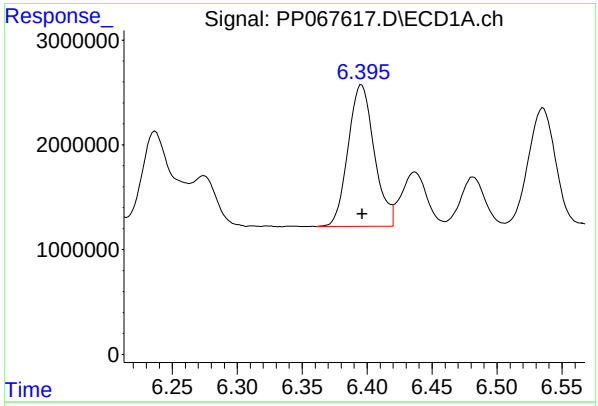
#22 AR-1248-2

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 17221900
Conc: 512.30 ng/ml



#22 AR-1248-2

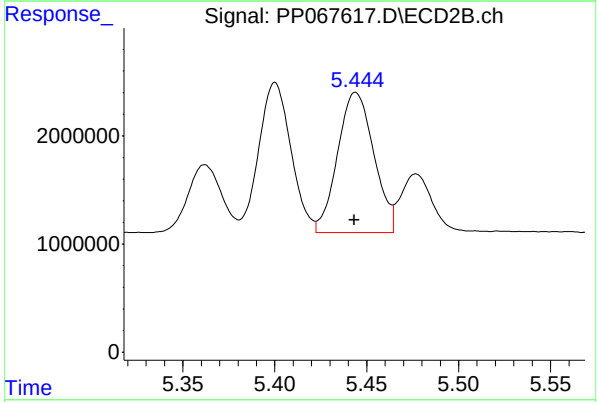
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 16975707
Conc: 512.93 ng/ml



#23 AR-1248-3

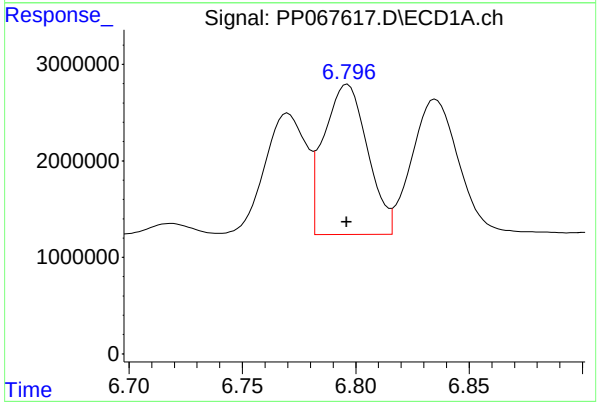
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 18903781
Conc: 516.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248



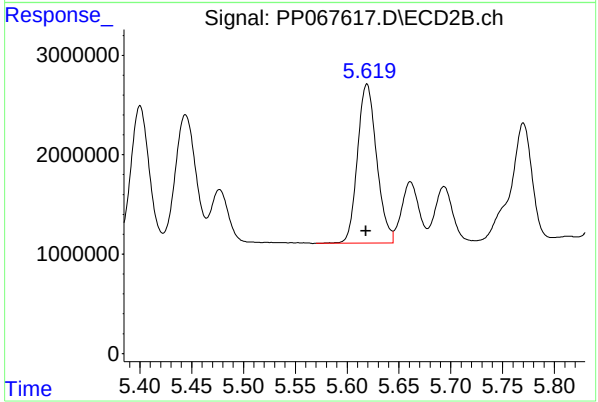
#23 AR-1248-3

R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 17763189
Conc: 515.25 ng/ml



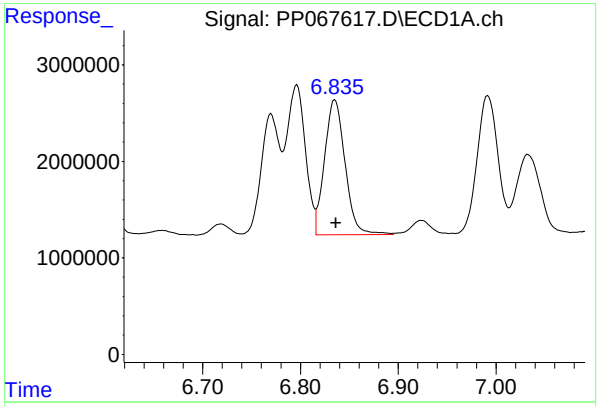
#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 20803279
Conc: 514.29 ng/ml



#24 AR-1248-4

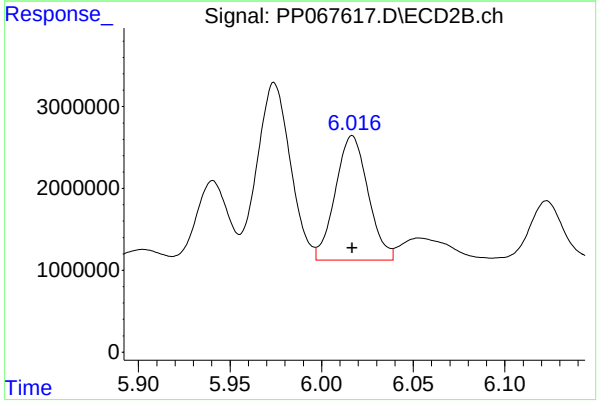
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 20588412
Conc: 502.70 ng/ml



#25 AR-1248-5

R.T.: 6.835 min
Delta R.T.: -0.001 min
Response: 20466751
Conc: 516.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248



#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 18878098
Conc: 504.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.756	4.051	48530224	52089649	51.723	51.478
2)	SA Decachlor...	10.668	9.217	60024597	58780254	50.717	50.845
	Target Compounds						
26)	L6 AR-1254-1	6.775	5.975	22815828	29677404	509.481	502.293
27)	L6 AR-1254-2	6.991	6.123	33399032	26325396	505.298	501.778
28)	L6 AR-1254-3	7.357	6.532	34711516	42198184	499.786	507.141
29)	L6 AR-1254-4	7.639	6.760	25405512	24704816	509.082	511.760m
30)	L6 AR-1254-5	8.057	7.182	29963770	37426268	505.560m	508.846

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

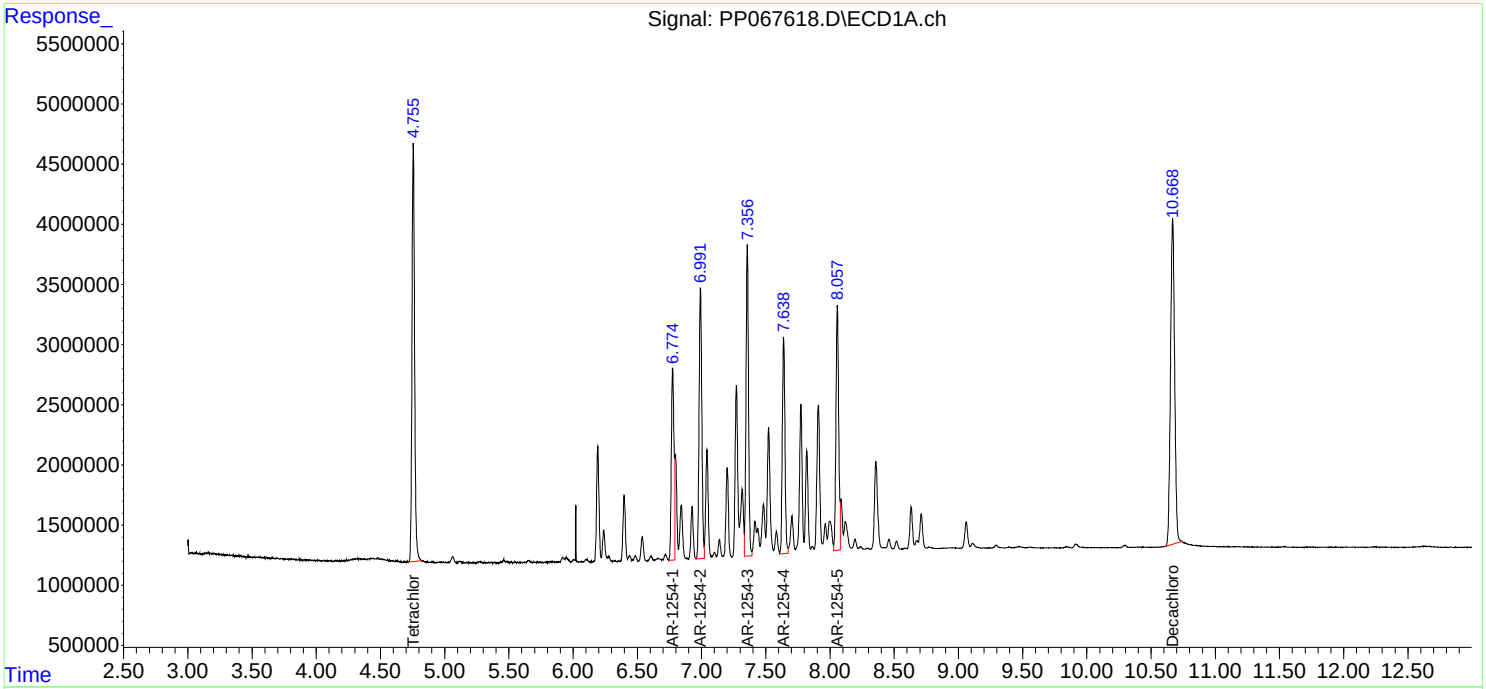
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

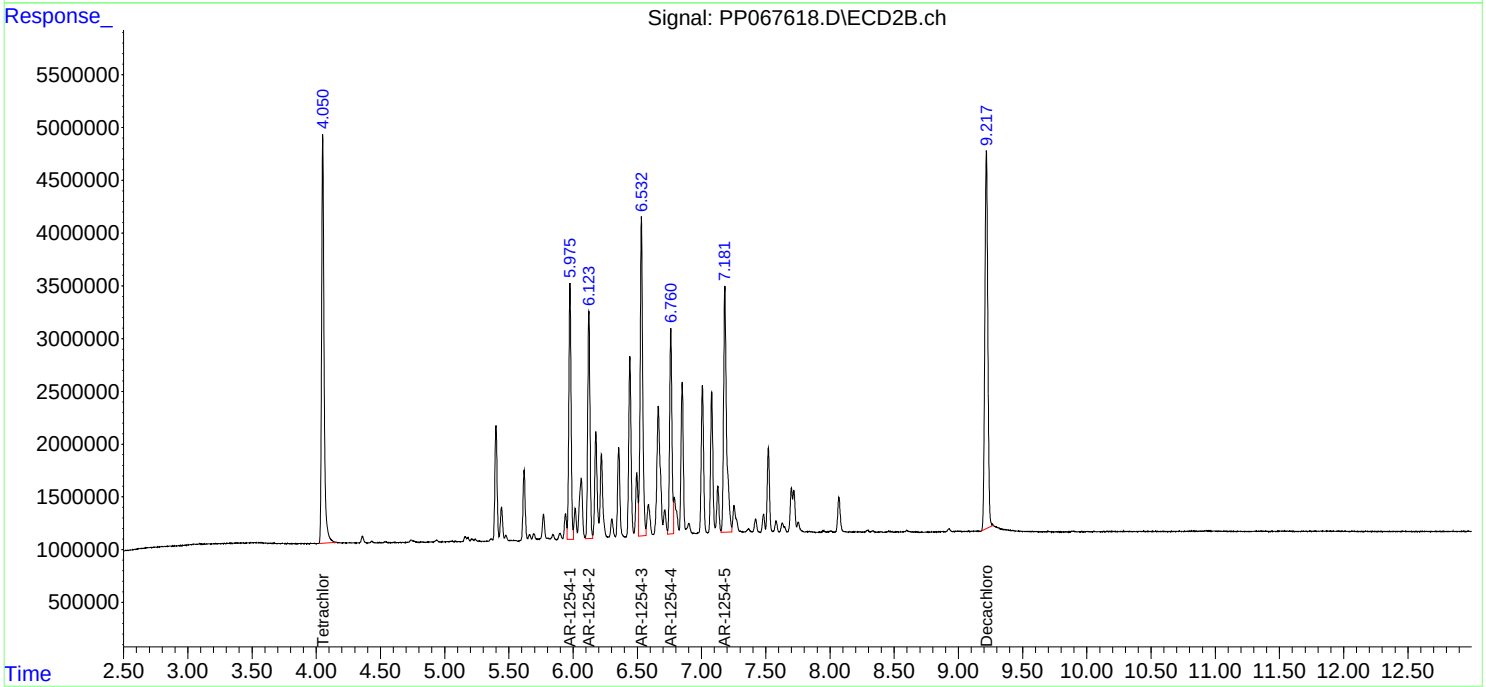
Manual Integrations APPROVED

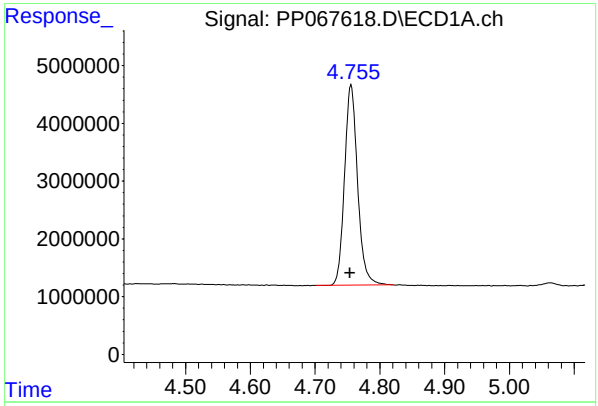
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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







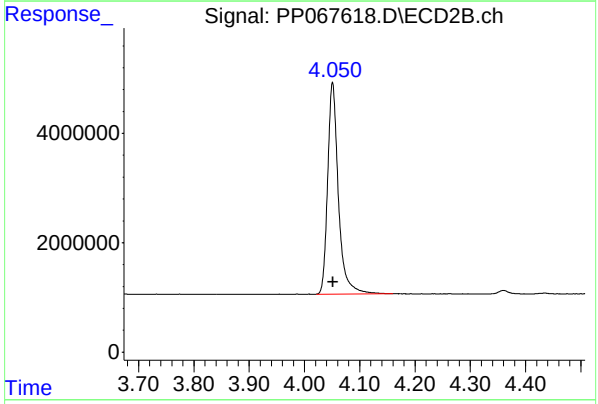
#1 Tetrachloro-m-xylene

R.T.: 4.756 min
Delta R.T.: 0.002 min
Response: 48530224
Conc: 51.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

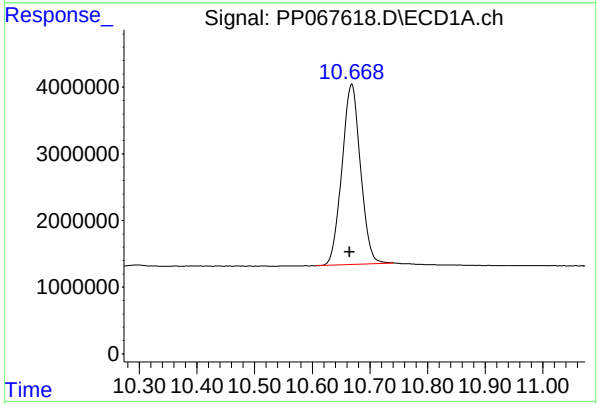
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



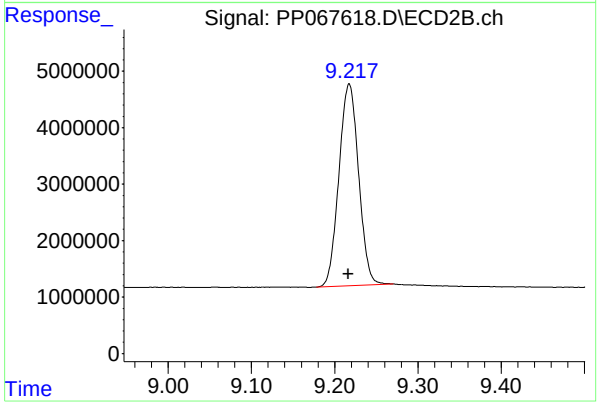
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 52089649
Conc: 51.48 ng/ml



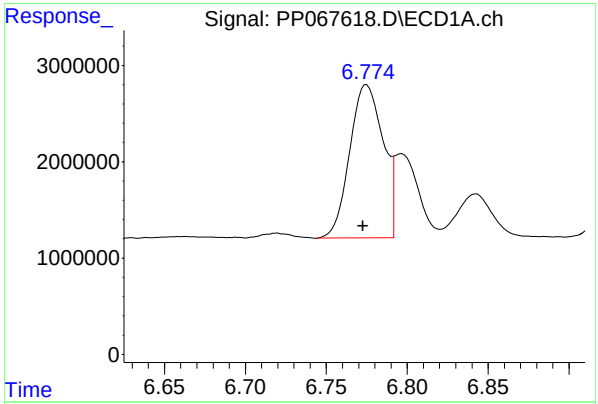
#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.004 min
Response: 60024597
Conc: 50.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 58780254
Conc: 50.85 ng/ml



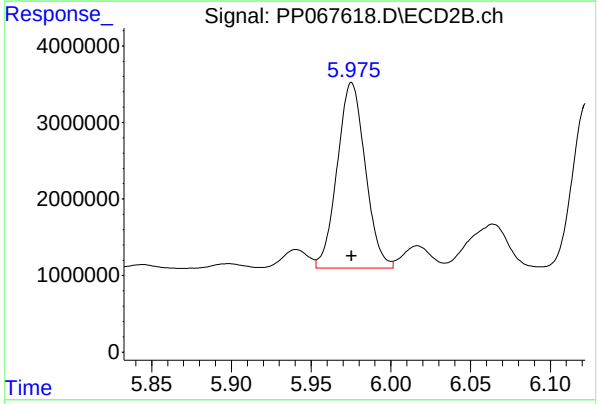
#26 AR-1254-1

R.T.: 6.775 min
Delta R.T.: 0.002 min
Response: 22815828
Conc: 509.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

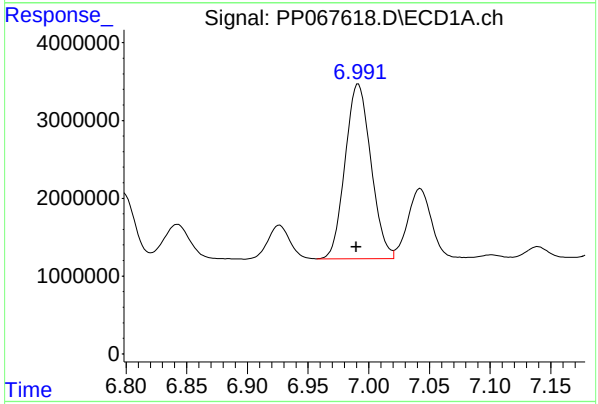
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



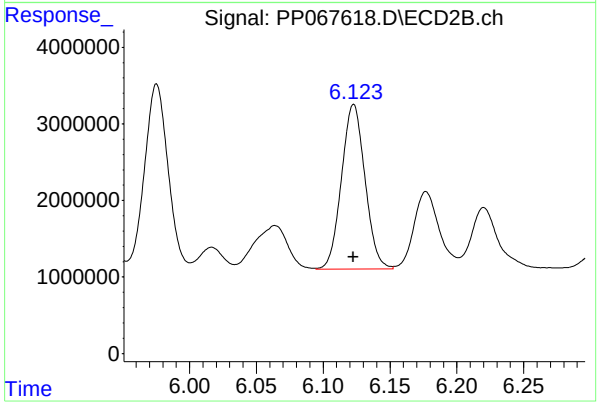
#26 AR-1254-1

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 29677404
Conc: 502.29 ng/ml



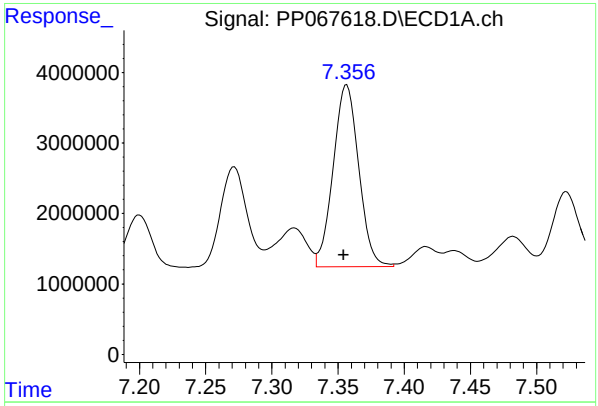
#27 AR-1254-2

R.T.: 6.991 min
Delta R.T.: 0.002 min
Response: 33399032
Conc: 505.30 ng/ml



#27 AR-1254-2

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 26325396
Conc: 501.78 ng/ml



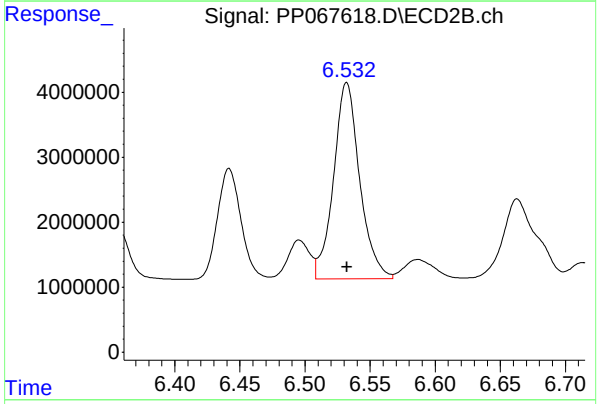
#28 AR-1254-3

R.T.: 7.357 min
Delta R.T.: 0.002 mi
Response: 34711516
Conc: 499.79 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

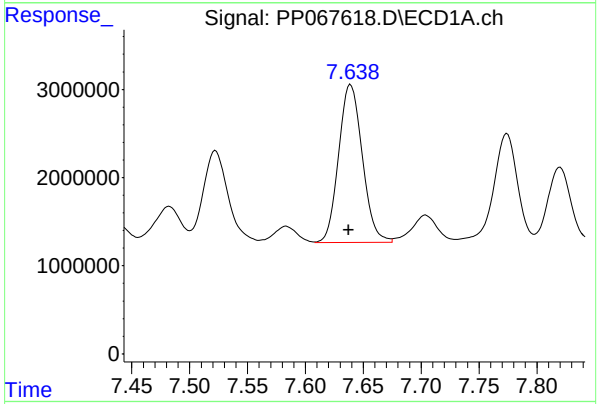
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



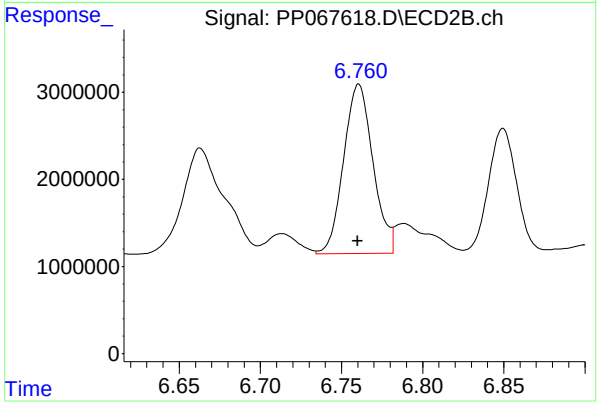
#28 AR-1254-3

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 42198184
Conc: 507.14 ng/ml



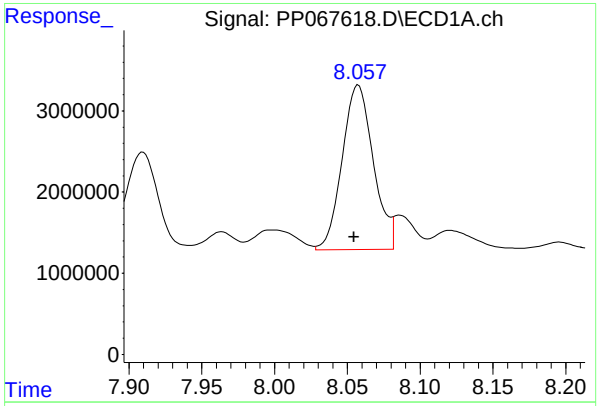
#29 AR-1254-4

R.T.: 7.639 min
Delta R.T.: 0.002 min
Response: 25405512
Conc: 509.08 ng/ml



#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 24704816
Conc: 511.76 ng/ml m



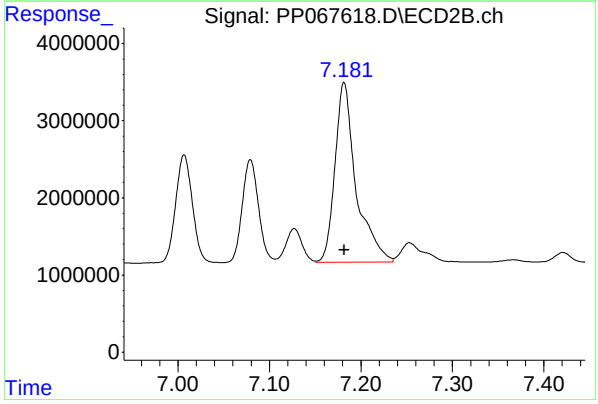
#30 AR-1254-5

R.T.: 8.057 min
Delta R.T.: 0.002 min
Response: 29963770
Conc: 505.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 37426268
Conc: 508.85 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.051	48621846	52026024	52.144	51.900
2)	SA Decachlor...	10.666	9.217	98383292	95455146	50.217	49.469
	Target Compounds						
41)	L9 AR-1268-1	9.044	8.007	76733240	79237054	502.842m	497.855m
42)	L9 AR-1268-2	9.145	8.072	69182573	71394410	506.478	498.613
43)	L9 AR-1268-3	9.396	8.292	60515330	63729520	500.466	499.802
44)	L9 AR-1268-4	9.842	8.598	26421113	28346402	519.897	501.919
45)	L9 AR-1268-5	10.294	8.926	188.0E6	188.8E6	503.342	499.468

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

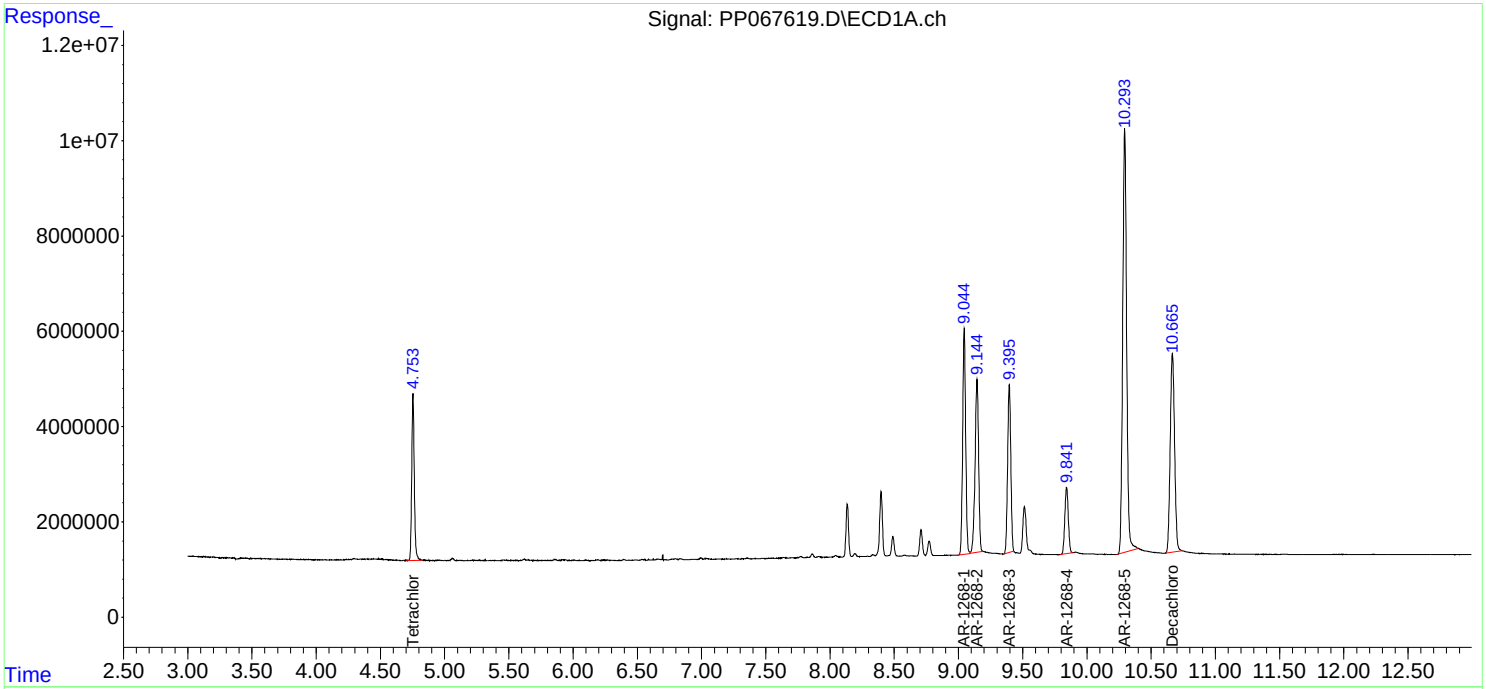
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

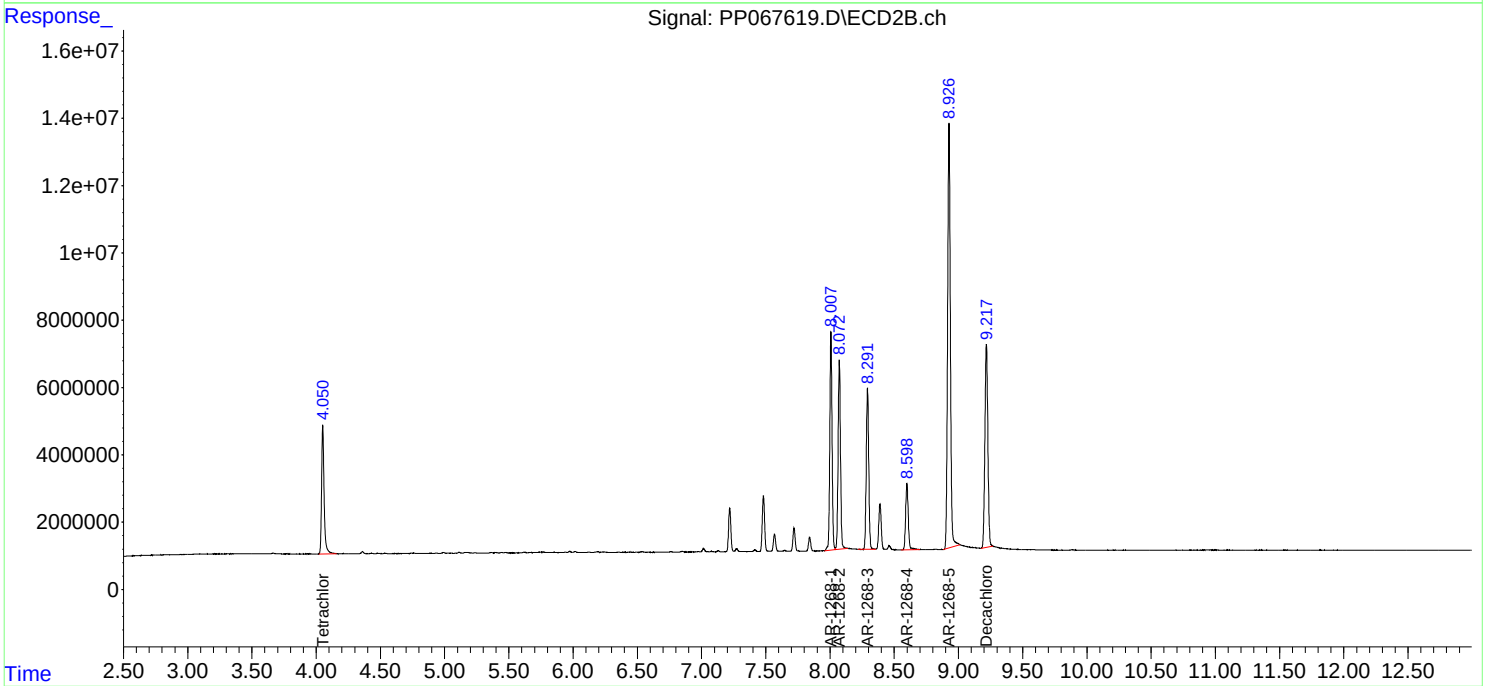
Manual Integrations APPROVED

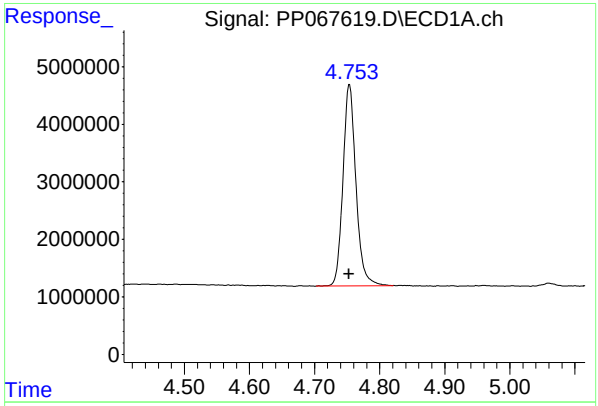
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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







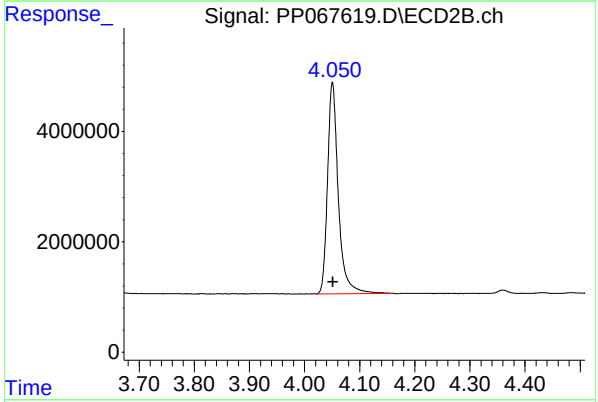
#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 48621846
Conc: 52.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

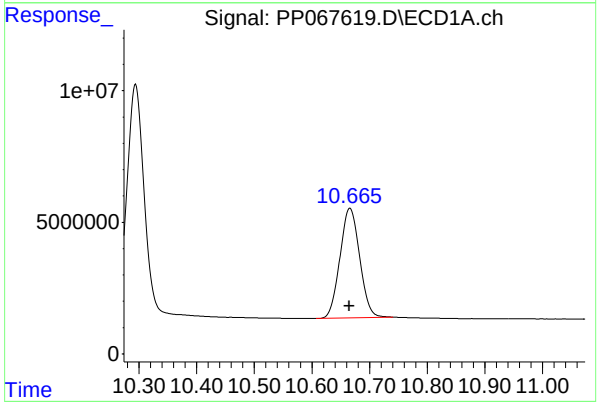
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



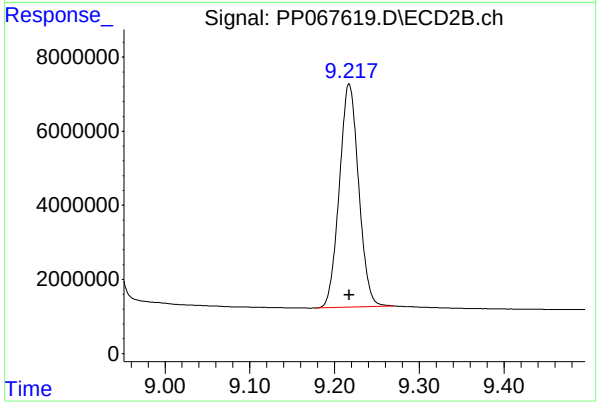
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 52026024
Conc: 51.90 ng/ml



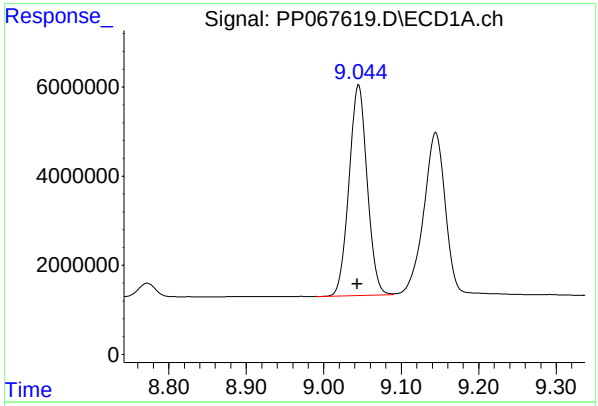
#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 98383292
Conc: 50.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 95455146
Conc: 49.47 ng/ml



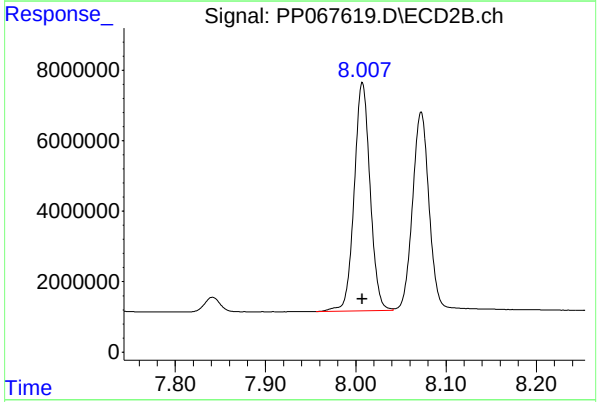
#41 AR-1268-1

R.T.: 9.044 min
Delta R.T.: 0.001 mi
Response: 76733240
Conc: 502.84 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

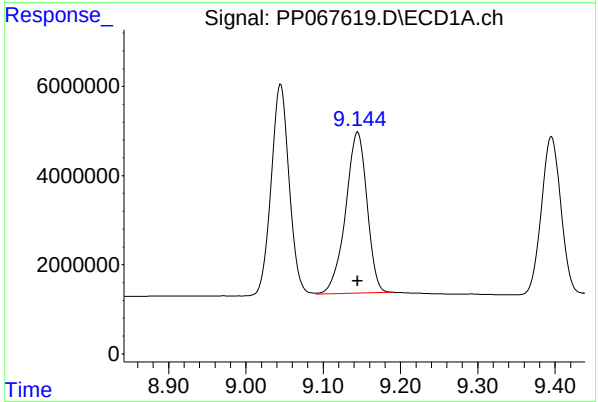
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



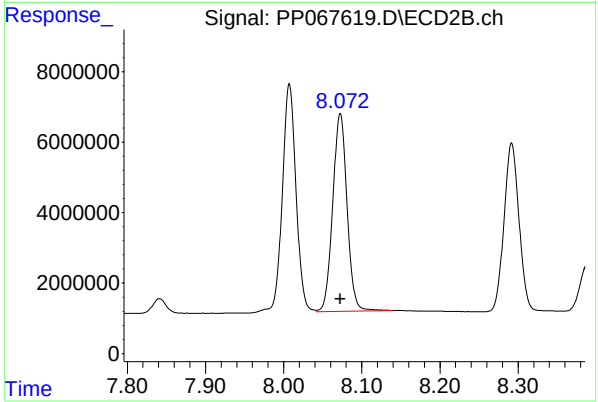
#41 AR-1268-1

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 79237054
Conc: 497.86 ng/ml m



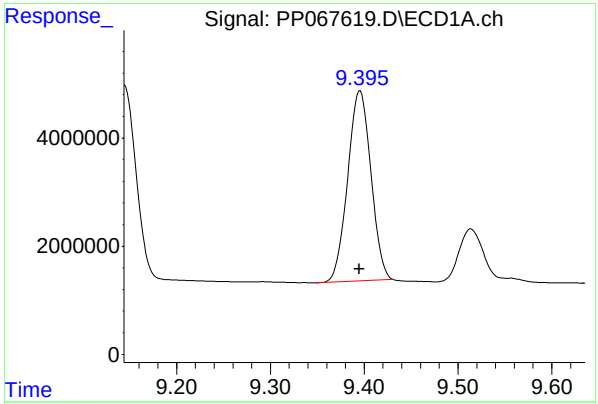
#42 AR-1268-2

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 69182573
Conc: 506.48 ng/ml



#42 AR-1268-2

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 71394410
Conc: 498.61 ng/ml



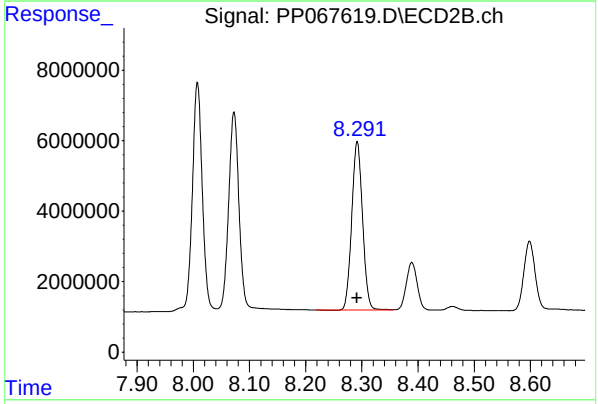
#43 AR-1268-3

R.T.: 9.396 min
Delta R.T.: 0.000 min
Response: 60515330
Conc: 500.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

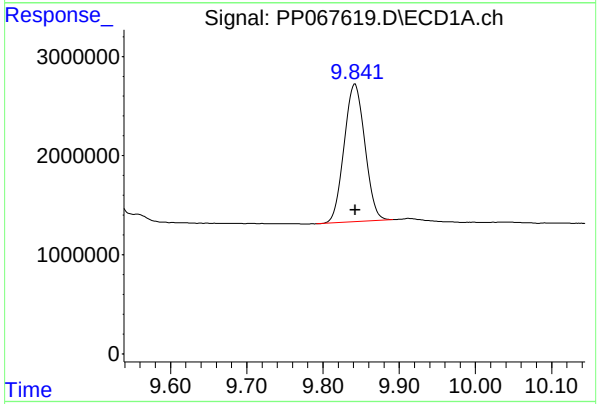
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



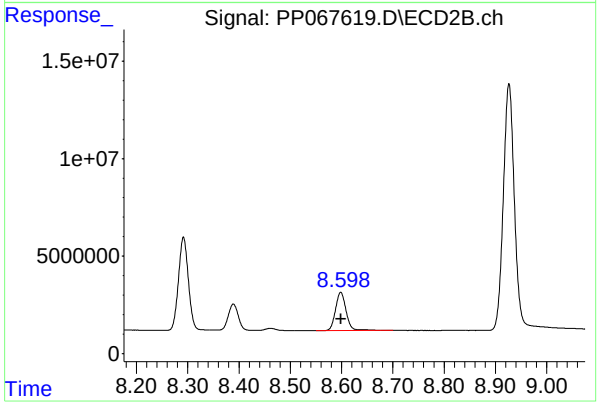
#43 AR-1268-3

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 63729520
Conc: 499.80 ng/ml



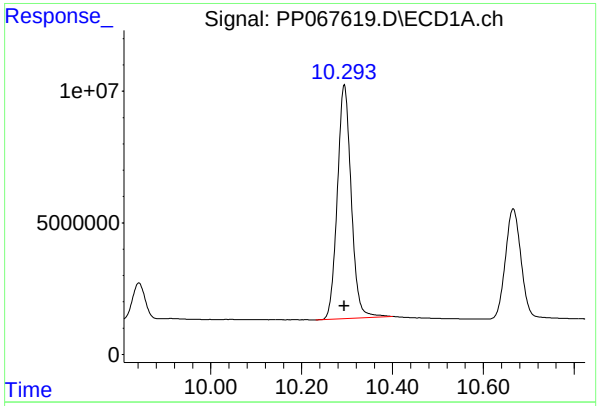
#44 AR-1268-4

R.T.: 9.842 min
Delta R.T.: 0.000 min
Response: 26421113
Conc: 519.90 ng/ml



#44 AR-1268-4

R.T.: 8.598 min
Delta R.T.: 0.000 min
Response: 28346402
Conc: 501.92 ng/ml



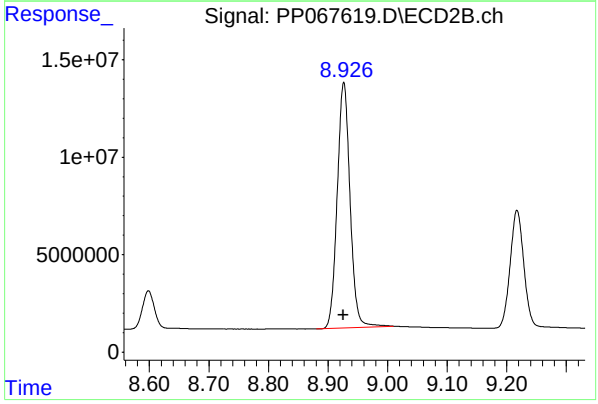
#45 AR-1268-5

R.T.: 10.294 min
Delta R.T.: 0.000 mi
Response: 187982622
Conc: 503.34 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



#45 AR-1268-5

R.T.: 8.926 min
Delta R.T.: 0.001 min
Response: 188816821
Conc: 499.47 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107564.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.521	5.423	5.623	452.620	500.000	-9.5
Aroclor-1016-2	5.544	5.445	5.645	444.440	500.000	-11.1
Aroclor-1016-3	5.606	5.507	5.707	429.440	500.000	-14.1
Aroclor-1016-4	5.703	5.604	5.804	443.320	500.000	-11.3
Aroclor-1016-5	5.998	5.899	6.099	468.170	500.000	-6.4
Aroclor-1260-1	7.126	7.026	7.226	532.120	500.000	6.4
Aroclor-1260-2	7.383	7.282	7.482	496.450	500.000	-0.7
Aroclor-1260-3	7.746	7.643	7.843	509.430	500.000	1.9
Aroclor-1260-4	7.970	7.868	8.068	502.340	500.000	0.5
Aroclor-1260-5	8.284	8.181	8.381	476.130	500.000	-4.8
Decachlorobiphenyl	10.067	9.958	10.158	43.470	50.000	-13.1
Tetrachloro-m-xylene	4.371	4.274	4.474	51.160	50.000	2.3

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107564.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.626	4.826	516.190	500.000	3.2
Aroclor-1016-2	4.744	4.645	4.845	527.840	500.000	5.6
Aroclor-1016-3	4.920	4.821	5.021	510.100	500.000	2.0
Aroclor-1016-4	4.962	4.862	5.062	472.970	500.000	-5.4
Aroclor-1016-5	5.175	5.076	5.276	551.240	500.000	10.2
Aroclor-1260-1	6.205	6.107	6.307	512.570	500.000	2.5
Aroclor-1260-2	6.393	6.294	6.494	527.590	500.000	5.5
Aroclor-1260-3	6.547	6.448	6.648	479.320	500.000	-4.1
Aroclor-1260-4	7.018	6.918	7.118	454.610	500.000	-9.1
Aroclor-1260-5	7.258	7.159	7.359	470.350	500.000	-5.9
Decachlorobiphenyl	8.641	8.539	8.739	41.100	50.000	-17.8
Tetrachloro-m-xylene	3.645	3.545	3.745	51.240	50.000	2.5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:08:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.371	3.645	466.3E6	164.9E6	51.161	51.236
2)	SA Decachlor...	10.067	8.641	106.7E6	112.7E6	43.472	41.100
	Target Compounds						
3)	L1 AR-1016-1	5.521	4.725	122.1E6	53304393	452.622	516.187
4)	L1 AR-1016-2	5.544	4.744	176.4E6	74408936	444.442	527.844
5)	L1 AR-1016-3	5.606	4.920	107.9E6	40168348	429.436	510.102
6)	L1 AR-1016-4	5.703	4.962	85388022	31267418	443.316	472.972
7)	L1 AR-1016-5	5.998	5.175	85512524	45275557	468.168	551.241
31)	L7 AR-1260-1	7.126	6.205	137.6E6	79526848	532.115	512.565m
32)	L7 AR-1260-2	7.383	6.393	130.7E6	92915980	496.455	527.585m
33)	L7 AR-1260-3	7.746	6.547	91567172	80405693	509.428	479.324
34)	L7 AR-1260-4	7.970	7.018	88162360	65773546	502.339	454.612
35)	L7 AR-1260-5	8.284	7.258	135.4E6	155.0E6	476.135	470.354

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

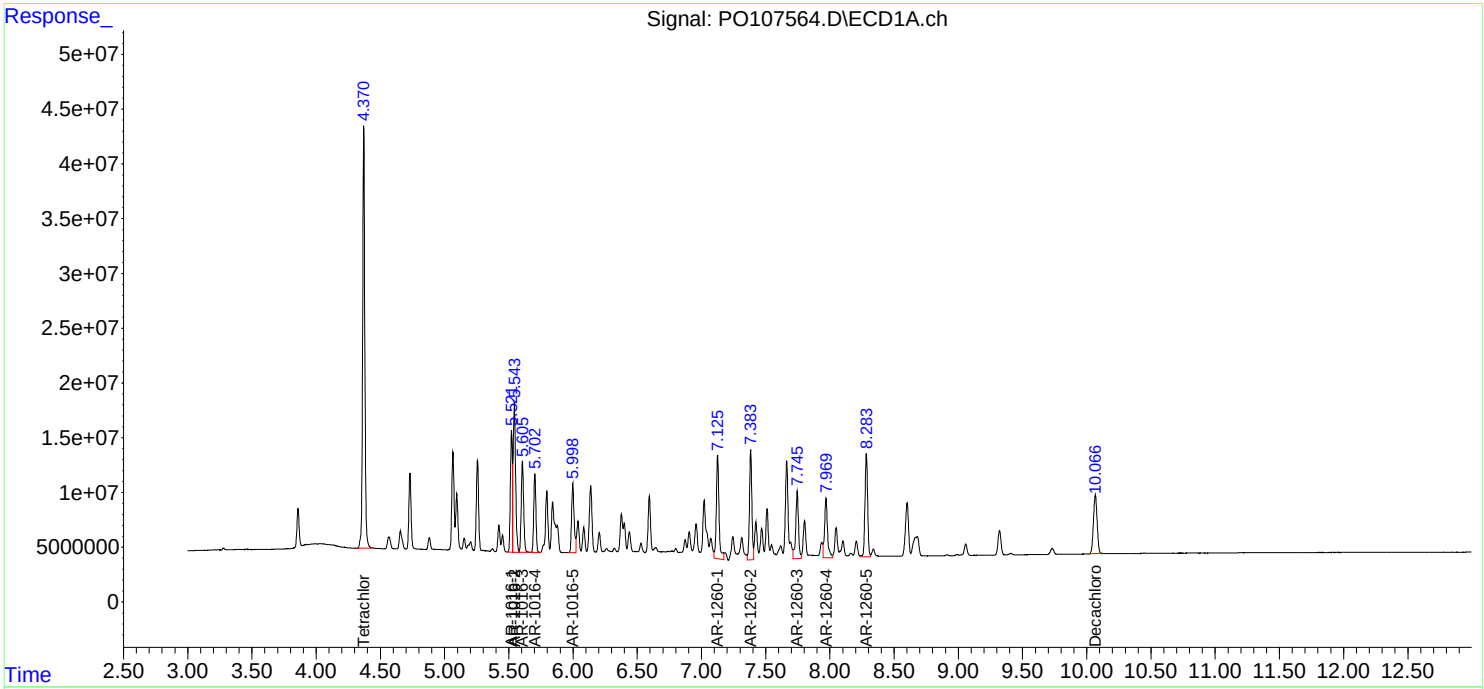
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

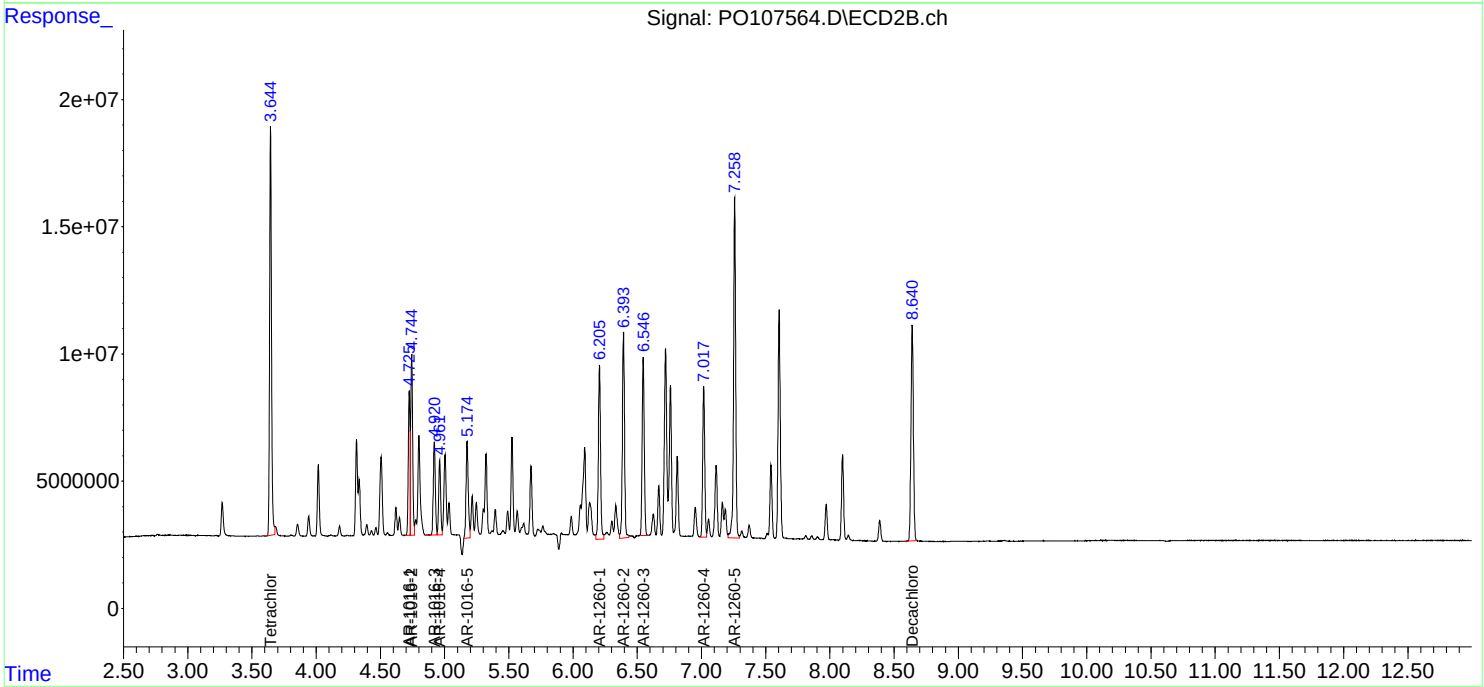
Manual Integrations APPROVED

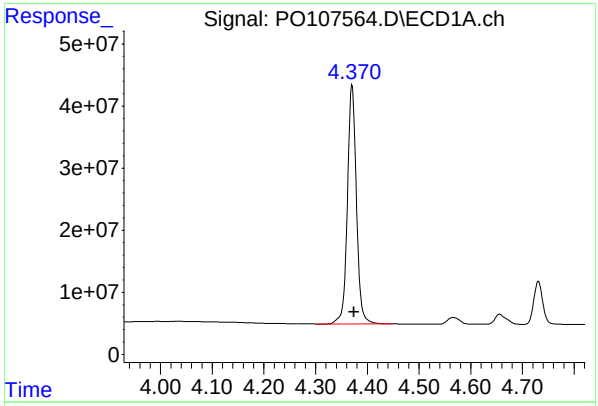
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:08:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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







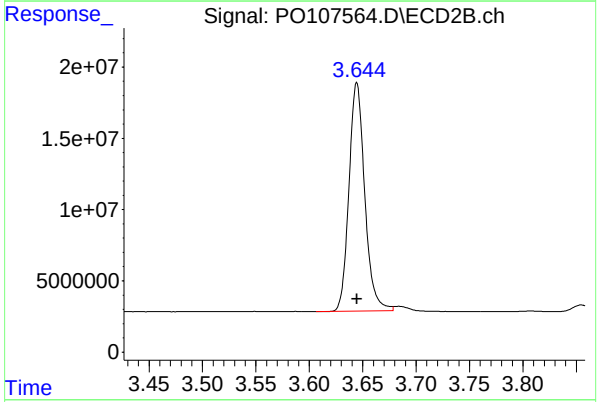
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 466280097
Conc: 51.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

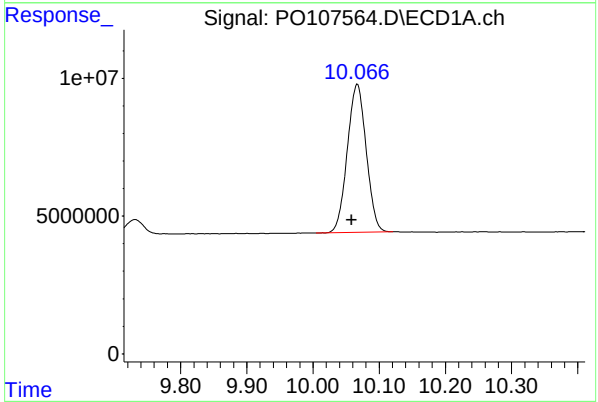
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



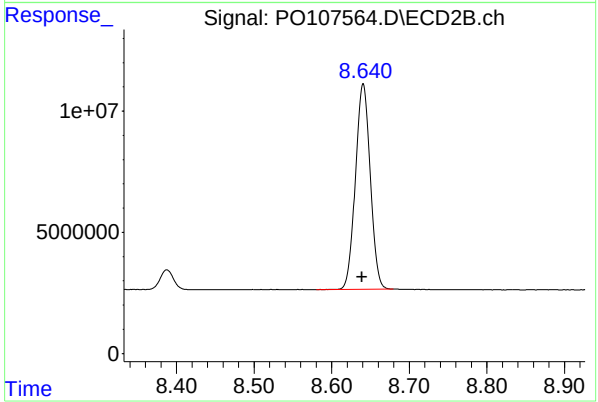
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 164901291
Conc: 51.24 ng/ml



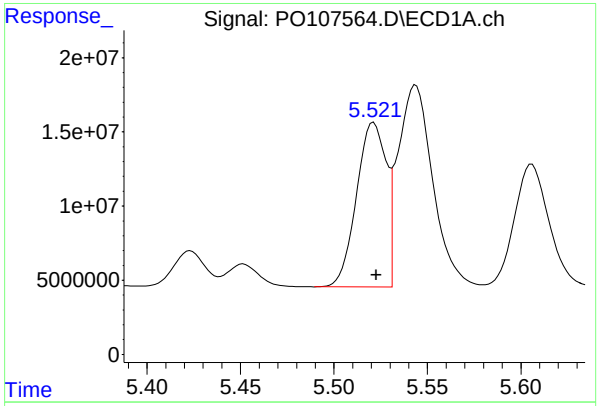
#2 Decachlorobiphenyl

R.T.: 10.067 min
Delta R.T.: 0.009 min
Response: 106653613
Conc: 43.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.002 min
Response: 112679153
Conc: 41.10 ng/ml



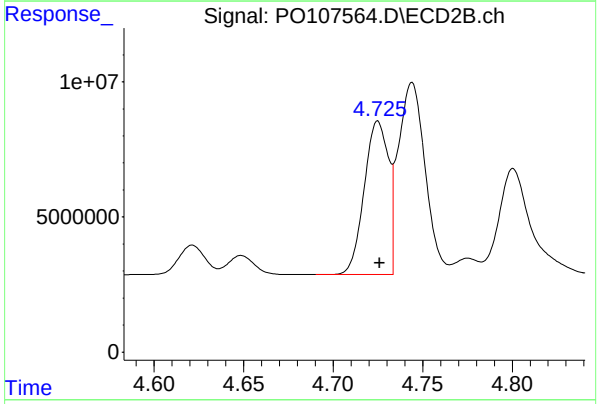
#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 122123940
Conc: 452.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

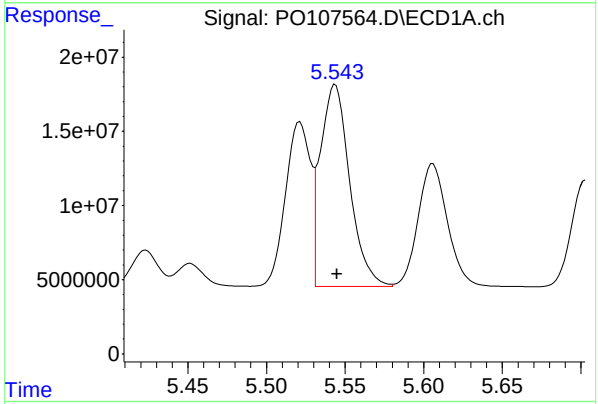
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



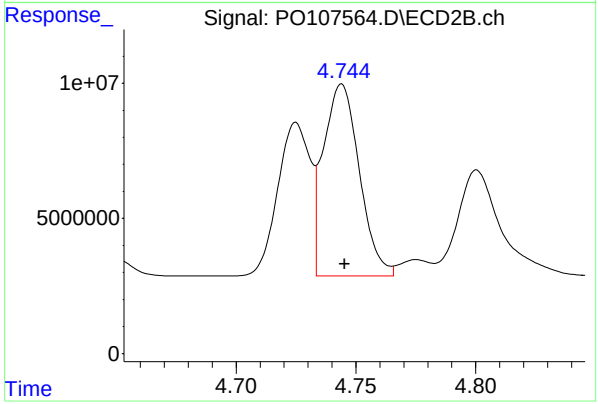
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.001 min
Response: 53304393
Conc: 516.19 ng/ml



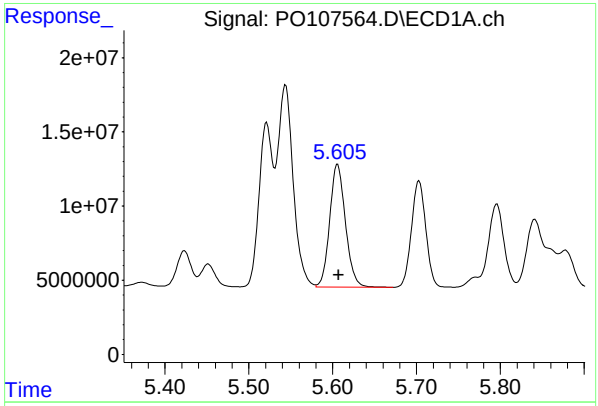
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 176392436
Conc: 444.44 ng/ml



#4 AR-1016-2

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 74408936
Conc: 527.84 ng/ml



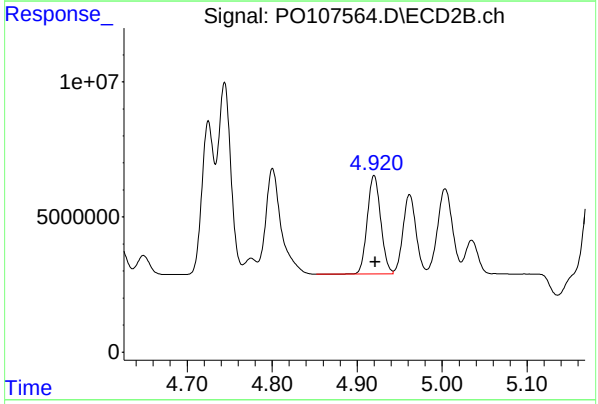
#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.002 min
Response: 107861142
Conc: 429.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

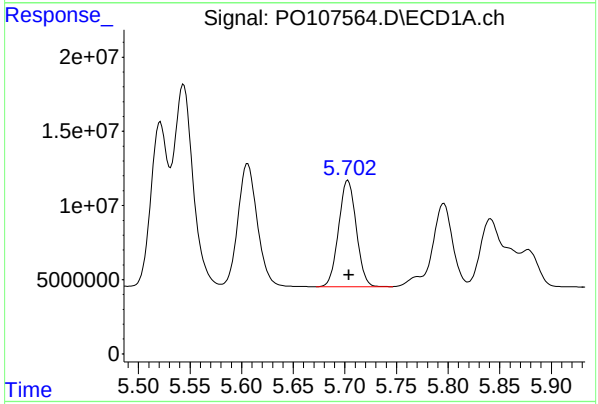
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



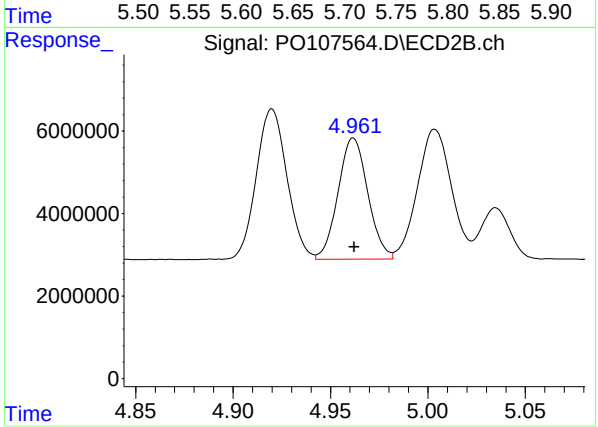
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 40168348
Conc: 510.10 ng/ml



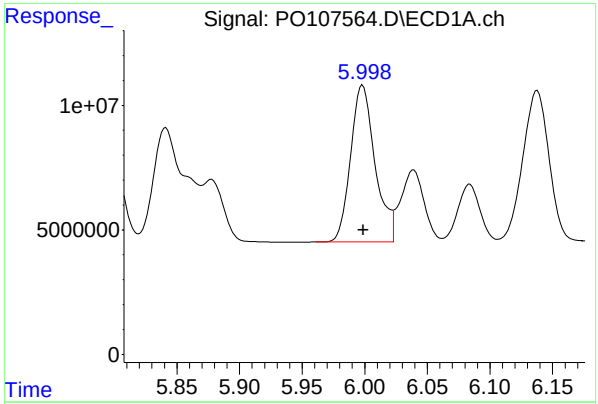
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 85388022
Conc: 443.32 ng/ml



#6 AR-1016-4

R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 31267418
Conc: 472.97 ng/ml



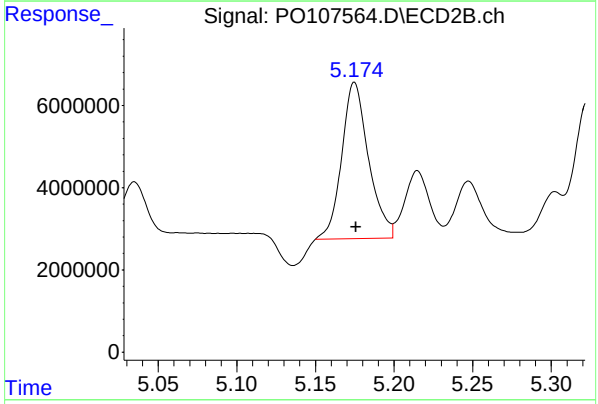
#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 85512524
Conc: 468.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

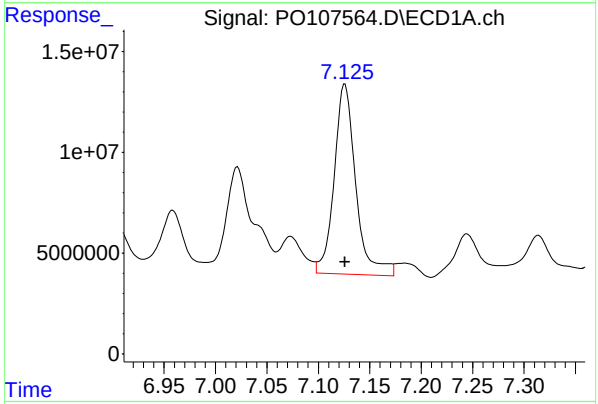
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



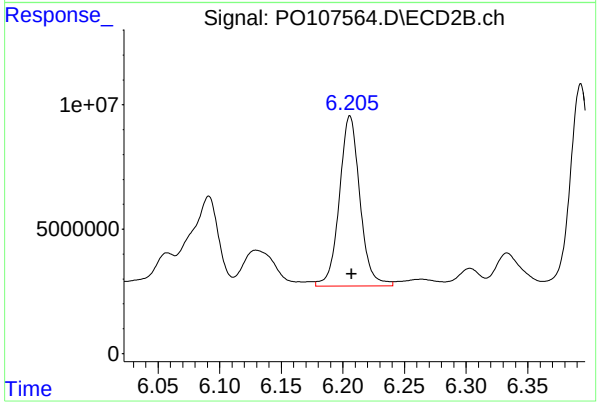
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 45275557
Conc: 551.24 ng/ml



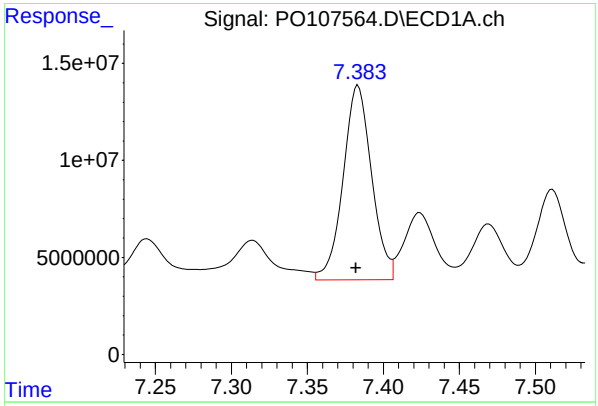
#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 137598932
Conc: 532.12 ng/ml



#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 79526848
Conc: 512.57 ng/ml m



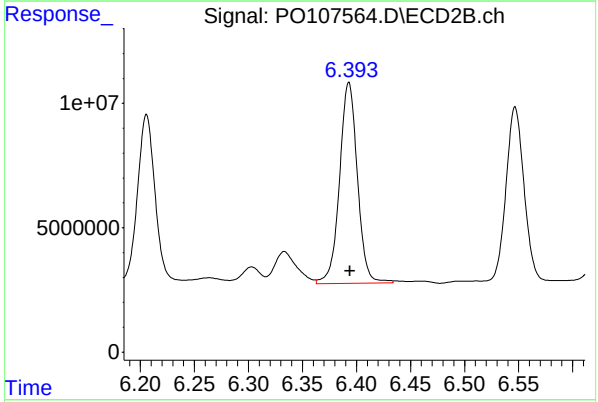
#32 AR-1260-2

R.T.: 7.383 min
Delta R.T.: 0.001 min
Response: 130676824
Conc: 496.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

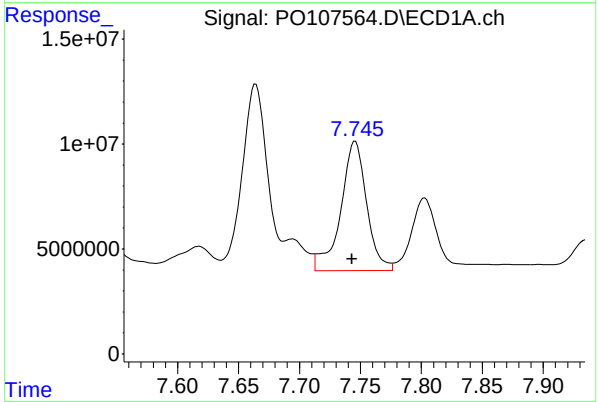
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



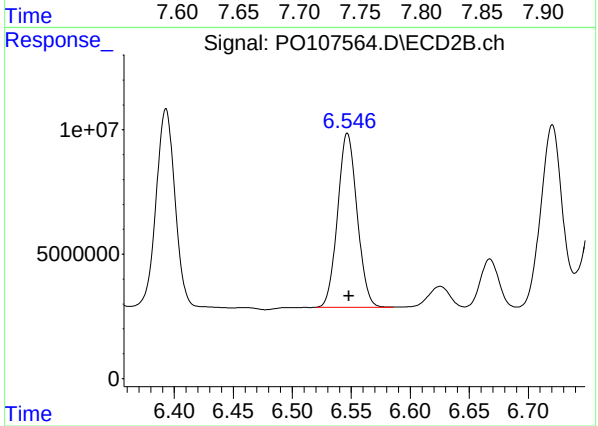
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: -0.001 min
Response: 92915980
Conc: 527.59 ng/ml m



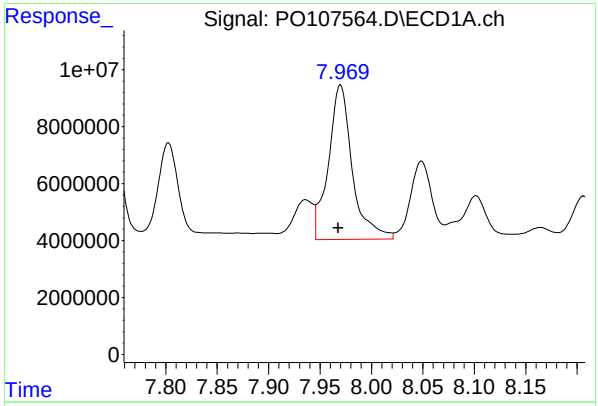
#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 91567172
Conc: 509.43 ng/ml



#33 AR-1260-3

R.T.: 6.547 min
Delta R.T.: -0.001 min
Response: 80405693
Conc: 479.32 ng/ml



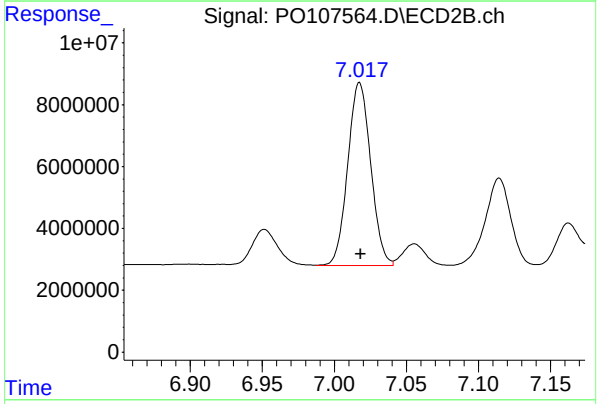
#34 AR-1260-4

R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 88162360
Conc: 502.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

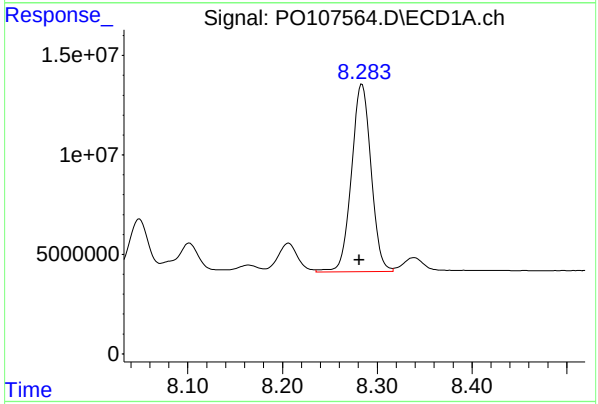
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



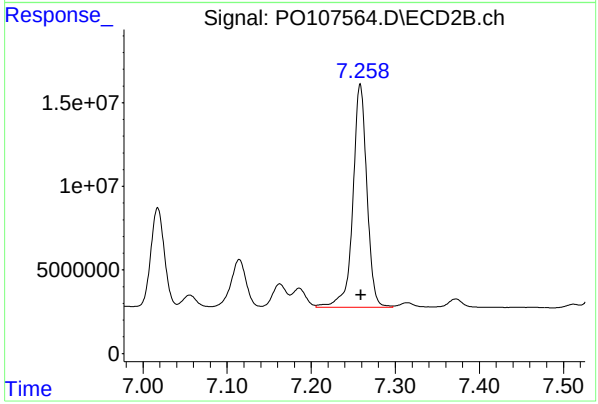
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 65773546
Conc: 454.61 ng/ml



#35 AR-1260-5

R.T.: 8.284 min
Delta R.T.: 0.003 min
Response: 135409766
Conc: 476.13 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 154953843
Conc: 470.35 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 20:55 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 20:55 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107576.D **Time Analyzed:** 20:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	516.630	500.000	3.3
Aroclor-1016-2	5.545	5.445	5.645	501.620	500.000	0.3
Aroclor-1016-3	5.607	5.507	5.707	502.840	500.000	0.6
Aroclor-1016-4	5.704	5.604	5.804	521.720	500.000	4.3
Aroclor-1016-5	5.999	5.899	6.099	530.540	500.000	6.1
Aroclor-1260-1	7.126	7.026	7.226	492.210	500.000	-1.6
Aroclor-1260-2	7.384	7.282	7.482	502.650	500.000	0.5
Aroclor-1260-3	7.746	7.643	7.843	517.710	500.000	3.5
Aroclor-1260-4	7.970	7.868	8.068	510.880	500.000	2.2
Aroclor-1260-5	8.285	8.181	8.381	533.790	500.000	6.8
Decachlorobiphenyl	10.068	9.958	10.158	45.800	50.000	-8.4
Tetrachloro-m-xylene	4.371	4.274	4.474	51.830	50.000	3.7

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107576.D **Time Analyzed:** 20:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.626	4.826	513.890	500.000	2.8
Aroclor-1016-2	4.743	4.645	4.845	524.040	500.000	4.8
Aroclor-1016-3	4.920	4.821	5.021	507.240	500.000	1.4
Aroclor-1016-4	4.961	4.862	5.062	470.080	500.000	-6.0
Aroclor-1016-5	5.174	5.076	5.276	537.820	500.000	7.6
Aroclor-1260-1	6.205	6.107	6.307	504.210	500.000	0.8
Aroclor-1260-2	6.392	6.294	6.494	543.000	500.000	8.6
Aroclor-1260-3	6.546	6.448	6.648	510.980	500.000	2.2
Aroclor-1260-4	7.018	6.918	7.118	512.450	500.000	2.5
Aroclor-1260-5	7.258	7.159	7.359	542.060	500.000	8.4
Decachlorobiphenyl	8.641	8.539	8.739	47.940	50.000	-4.1
Tetrachloro-m-xylene	3.643	3.545	3.745	51.350	50.000	2.7

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:55
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.371	3.643	472.3E6	165.3E6	51.825	51.351
2)	SA Decachlor...	10.068	8.641	112.4E6	131.4E6	45.801	47.943
	Target Compounds						
3)	L1 AR-1016-1	5.522	4.725	139.4E6	53067706	516.629	513.895
4)	L1 AR-1016-2	5.545	4.743	199.1E6	73872208	501.617	524.036
5)	L1 AR-1016-3	5.607	4.920	126.3E6	39943086	502.835	507.242
6)	L1 AR-1016-4	5.704	4.961	100.5E6	31076396	521.717	470.083
7)	L1 AR-1016-5	5.999	5.174	96905617	44173317	530.543	537.821
31)	L7 AR-1260-1	7.126	6.205	127.3E6	78231058	492.209m	504.214m
32)	L7 AR-1260-2	7.384	6.392	132.3E6	95630422	502.651m	542.998m
33)	L7 AR-1260-3	7.746	6.546	93056706	85716245	517.715m	510.982
34)	L7 AR-1260-4	7.970	7.018	89661217	74141240	510.879m	512.447
35)	L7 AR-1260-5	8.285	7.258	151.8E6	178.6E6	533.787	542.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:55
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

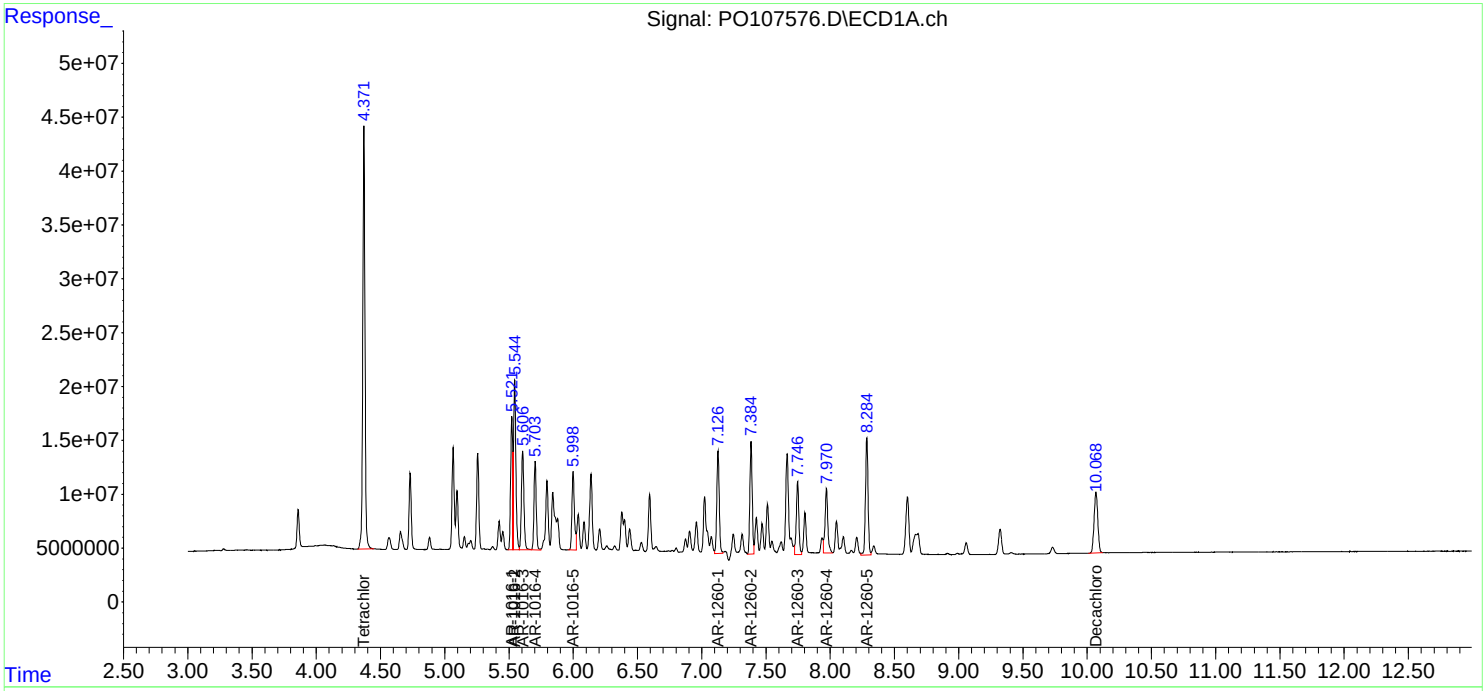
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

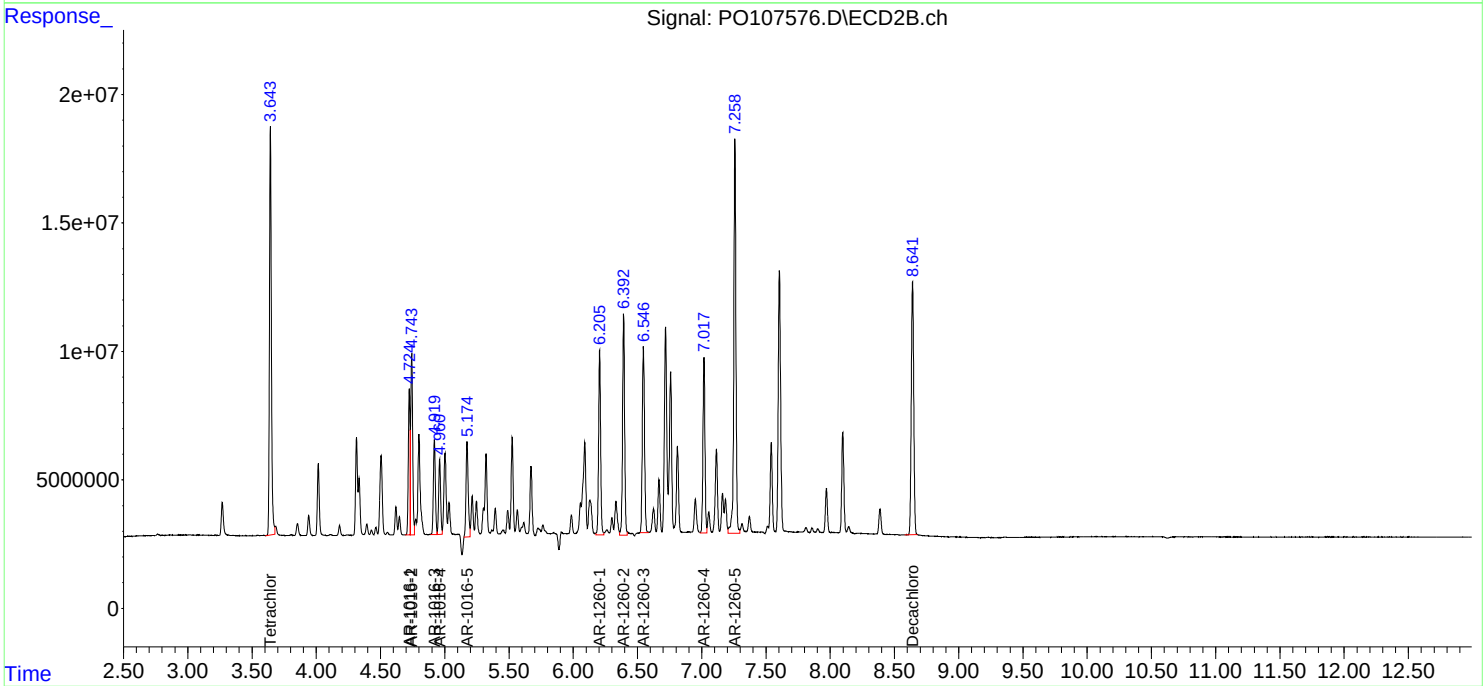
Manual Integrations APPROVED

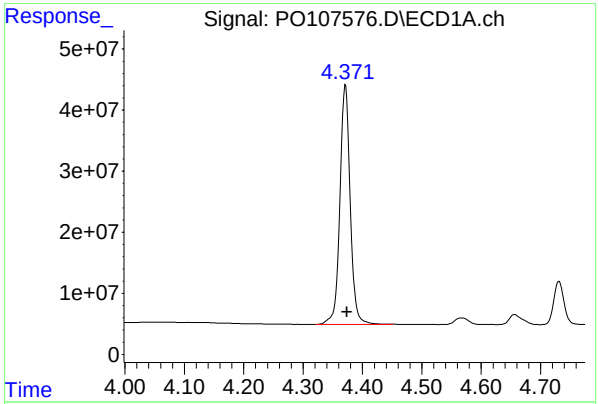
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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







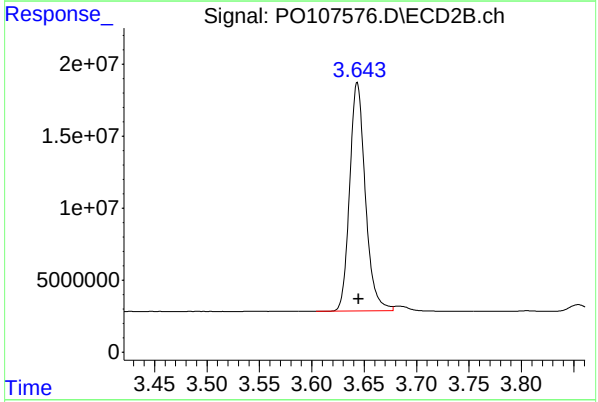
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 472328566
Conc: 51.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

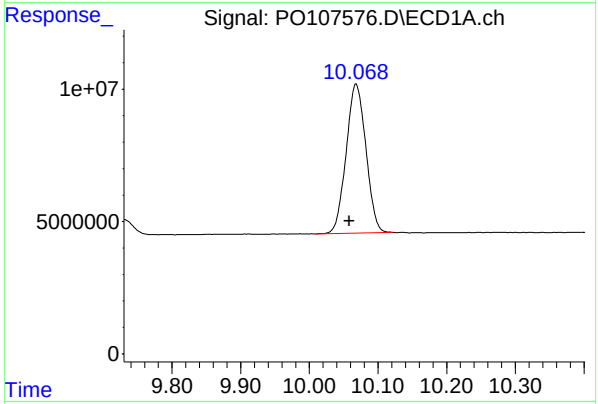
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



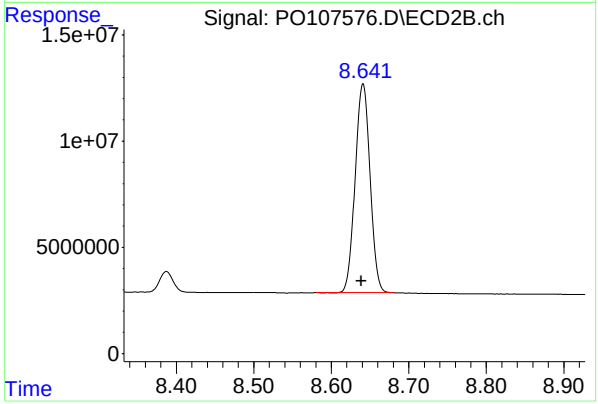
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 165272154
Conc: 51.35 ng/ml



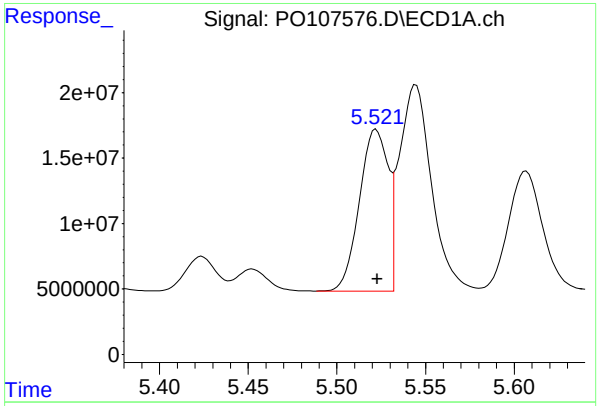
#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.010 min
Response: 112368130
Conc: 45.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.002 min
Response: 131439747
Conc: 47.94 ng/ml



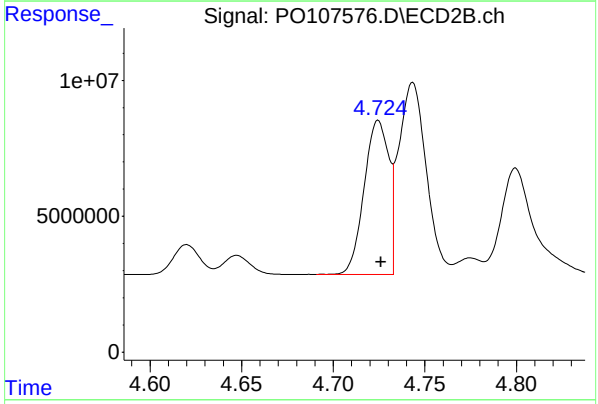
#3 AR-1016-1

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 139393878
Conc: 516.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

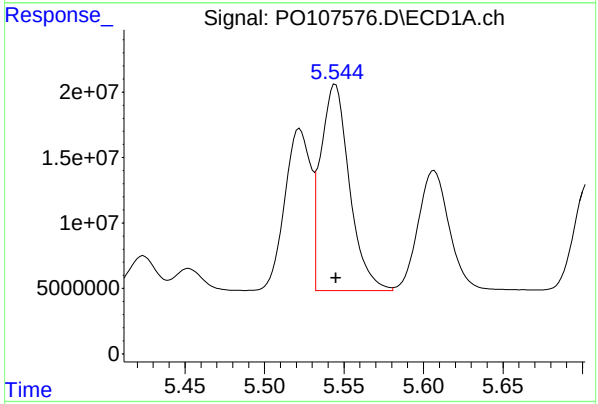
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



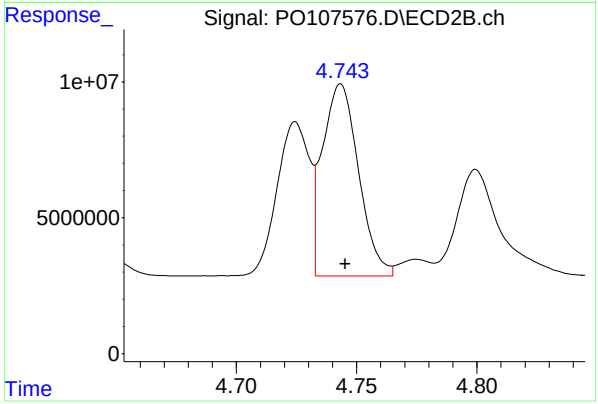
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.002 min
Response: 53067706
Conc: 513.89 ng/ml



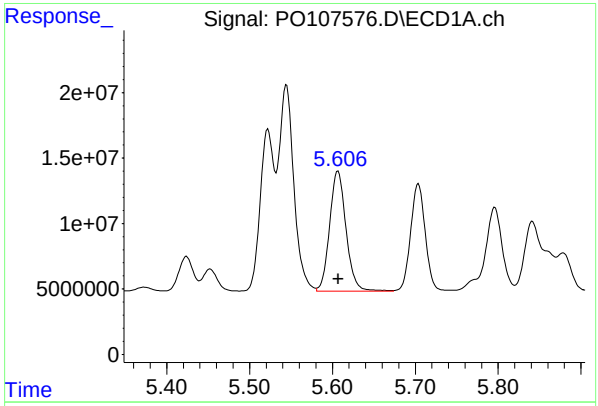
#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 199084362
Conc: 501.62 ng/ml



#4 AR-1016-2

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 73872208
Conc: 524.04 ng/ml



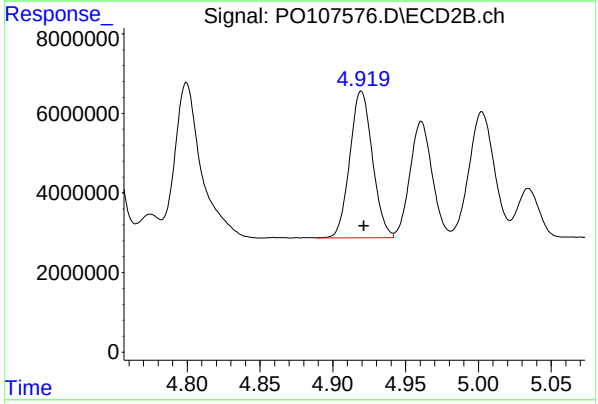
#5 AR-1016-3

R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 126296894
Conc: 502.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

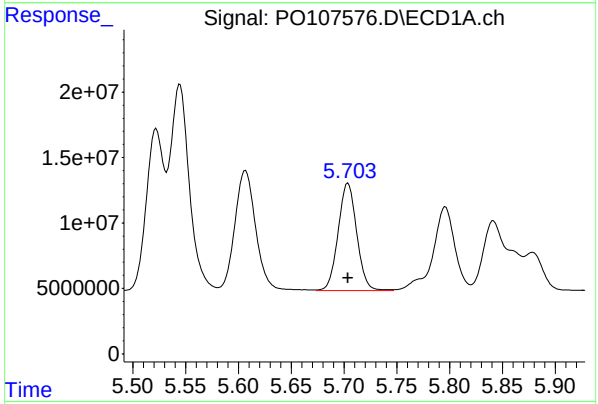
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



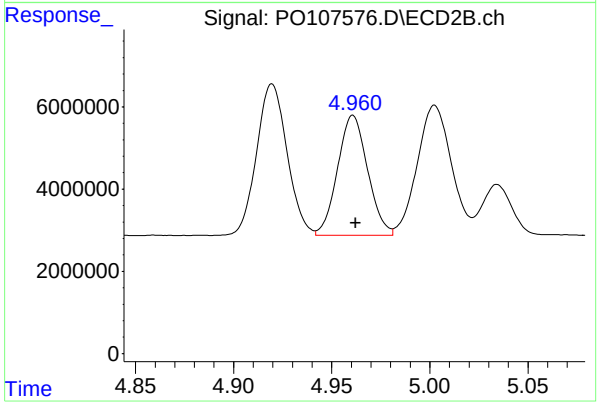
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.002 min
Response: 39943086
Conc: 507.24 ng/ml



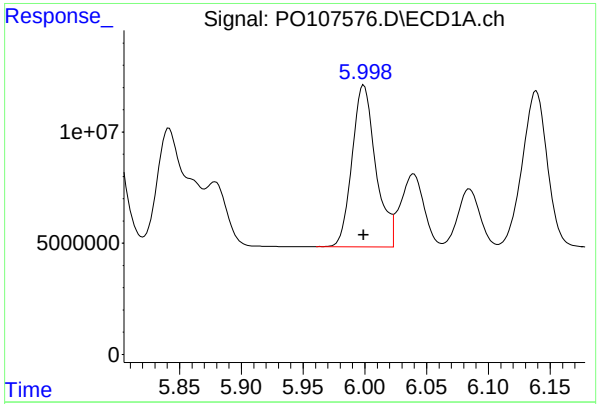
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 100489000
Conc: 521.72 ng/ml



#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: -0.001 min
Response: 31076396
Conc: 470.08 ng/ml



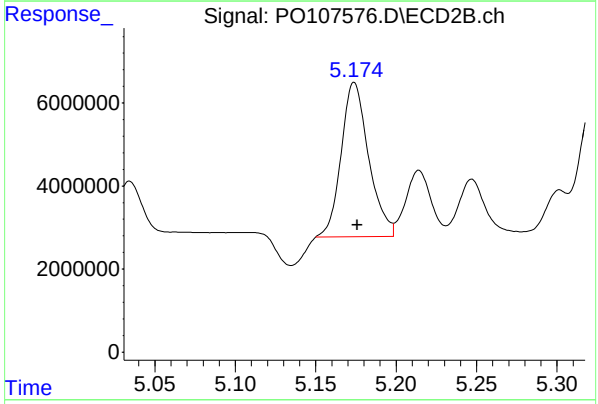
#7 AR-1016-5

R.T.: 5.999 min
Delta R.T.: 0.000 mi
Response: 96905617
Conc: 530.54 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

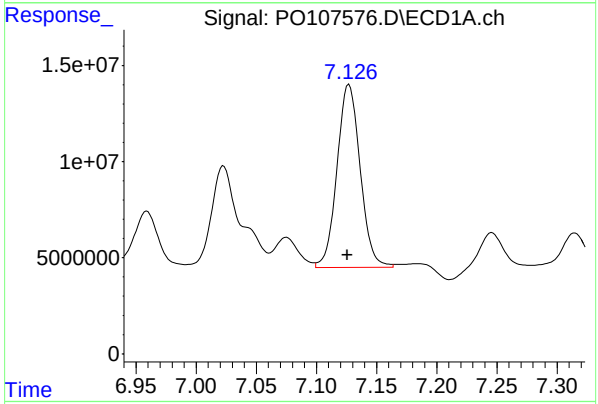
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



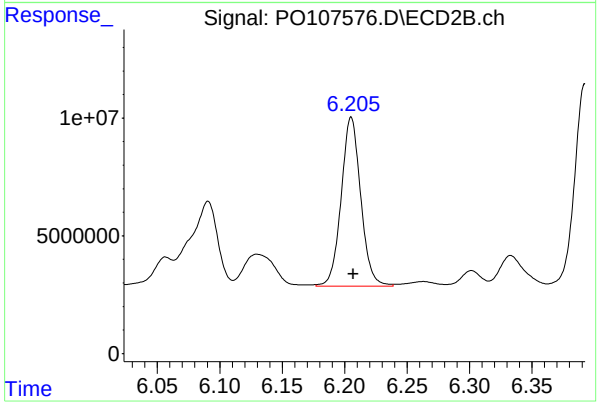
#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 44173317
Conc: 537.82 ng/ml



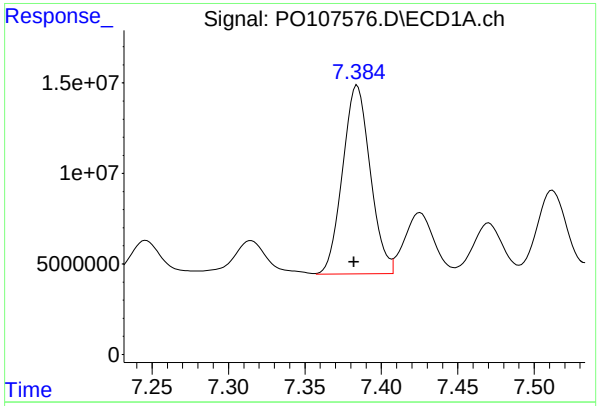
#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 127279629
Conc: 492.21 ng/ml m



#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 78231058
Conc: 504.21 ng/ml m



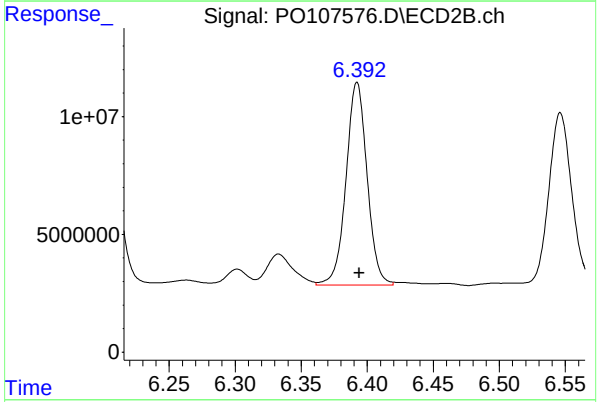
#32 AR-1260-2

R.T.: 7.384 min
Delta R.T.: 0.002 mi
Response: 132307754
Conc: 502.65 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

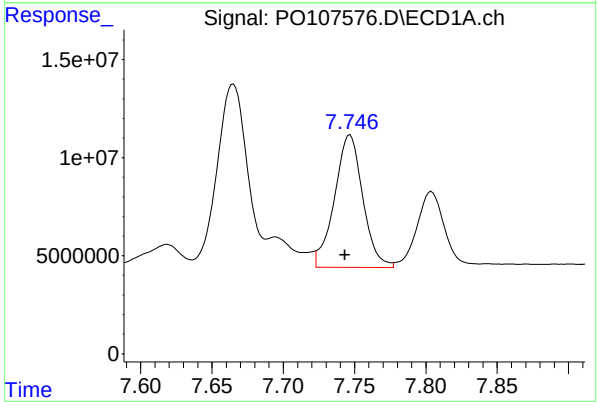
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



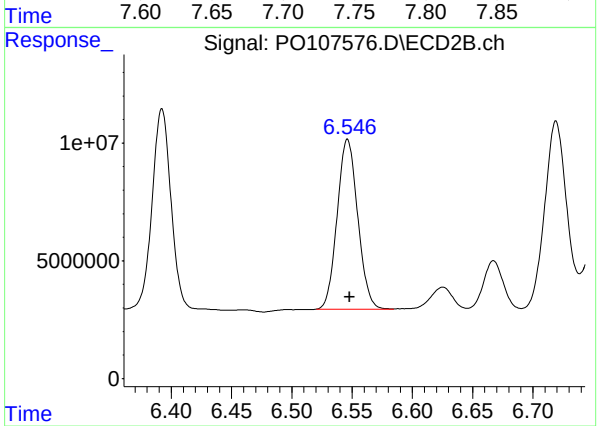
#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: -0.002 min
Response: 95630422
Conc: 543.00 ng/ml m



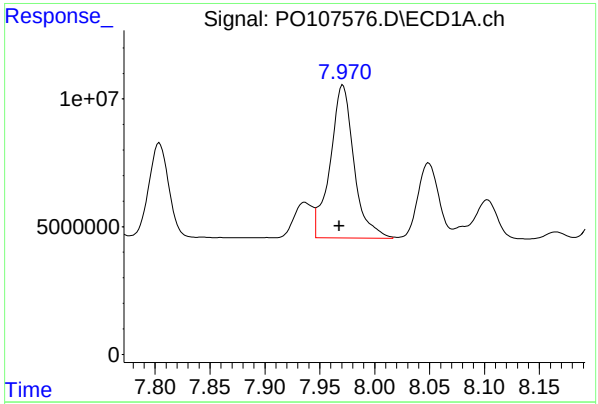
#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 93056706
Conc: 517.71 ng/ml m



#33 AR-1260-3

R.T.: 6.546 min
Delta R.T.: -0.002 min
Response: 85716245
Conc: 510.98 ng/ml



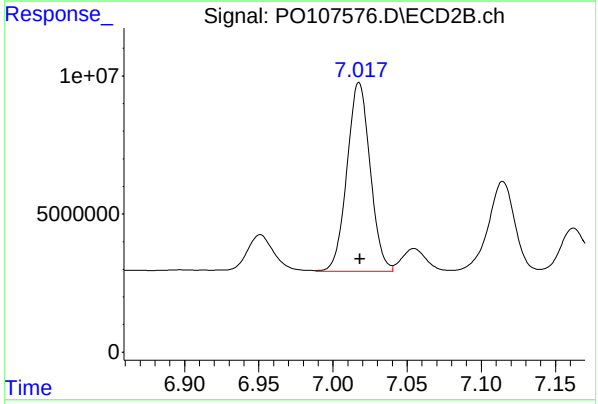
#34 AR-1260-4

R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 89661217
Conc: 510.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

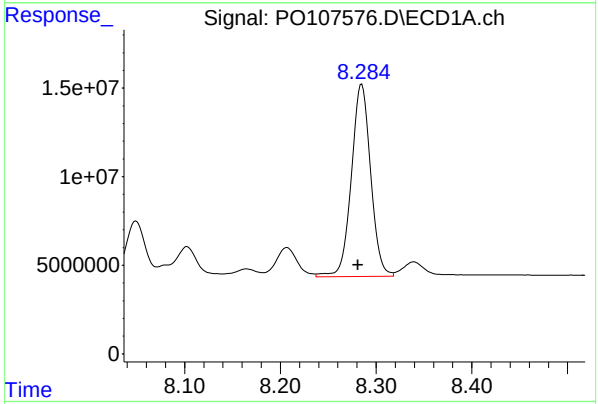
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



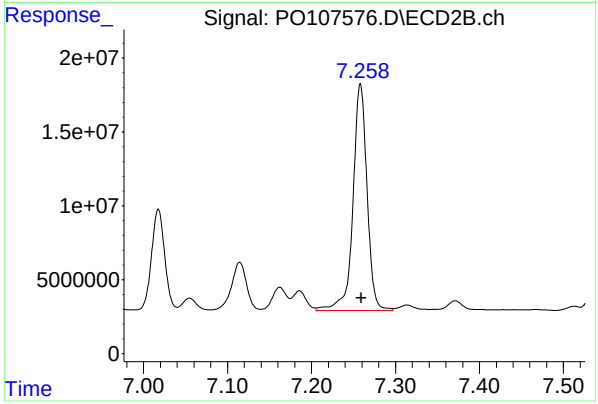
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 74141240
Conc: 512.45 ng/ml



#35 AR-1260-5

R.T.: 8.285 min
Delta R.T.: 0.004 min
Response: 151805790
Conc: 533.79 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 178576404
Conc: 542.06 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 13:57 **Initial Calibration Time(s):** 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 13:57 **Initial Calibration Time(s):** 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068318.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.819	6.019	492.820	500.000	-1.4
Aroclor-1016-2	5.947	5.842	6.042	499.970	500.000	0.0
Aroclor-1016-3	6.011	5.905	6.105	554.660	500.000	10.9
Aroclor-1016-4	6.110	6.003	6.203	535.520	500.000	7.1
Aroclor-1016-5	6.404	6.298	6.498	460.110	500.000	-8.0
Aroclor-1260-1	7.527	7.422	7.622	463.250	500.000	-7.4
Aroclor-1260-2	7.779	7.675	7.875	466.490	500.000	-6.7
Aroclor-1260-3	8.141	8.037	8.237	486.930	500.000	-2.6
Aroclor-1260-4	8.380	8.275	8.475	482.310	500.000	-3.5
Aroclor-1260-5	8.717	8.612	8.812	481.070	500.000	-3.8
Decachlorobiphenyl	10.676	10.569	10.769	49.830	50.000	-0.3
Tetrachloro-m-xylene	4.762	4.655	4.855	50.980	50.000	2.0

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068318.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.161	5.061	5.261	452.360	500.000	-9.5
Aroclor-1016-2	5.181	5.081	5.281	464.930	500.000	-7.0
Aroclor-1016-3	5.361	5.262	5.462	461.260	500.000	-7.7
Aroclor-1016-4	5.401	5.301	5.501	468.330	500.000	-6.3
Aroclor-1016-5	5.619	5.520	5.720	468.640	500.000	-6.3
Aroclor-1260-1	6.662	6.564	6.764	457.830	500.000	-8.4
Aroclor-1260-2	6.848	6.750	6.950	458.900	500.000	-8.2
Aroclor-1260-3	7.006	6.908	7.108	461.830	500.000	-7.6
Aroclor-1260-4	7.480	7.383	7.583	466.930	500.000	-6.6
Aroclor-1260-5	7.718	7.622	7.822	465.360	500.000	-6.9
Decachlorobiphenyl	9.212	9.119	9.319	48.250	50.000	-3.5
Tetrachloro-m-xylene	4.054	3.952	4.152	47.470	50.000	-5.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 13:57
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:37:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.762	4.054	47187730	47963873	50.978	47.470
2)	SA Decachlor...	10.676	9.212	57370873	54113605	49.831	48.253
	Target Compounds						
3)	L1 AR-1016-1	5.926	5.161	16296072	15826676	492.825	452.355
4)	L1 AR-1016-2	5.947	5.181	24384164	22395043	499.974	464.931
5)	L1 AR-1016-3	6.011	5.361	17478398	12425214	554.659	461.261
6)	L1 AR-1016-4	6.110	5.401	13786311	11279850	535.523	468.333
7)	L1 AR-1016-5	6.404	5.619	12453866	14251269	460.114	468.640
31)	L7 AR-1260-1	7.527	6.662	25026661	26079136	463.253	457.834
32)	L7 AR-1260-2	7.779	6.848	29514981	30610567	466.487	458.899
33)	L7 AR-1260-3	8.141	7.006	25246804	29419239	486.931	461.832
34)	L7 AR-1260-4	8.380	7.480	29032614	25818052	482.314	466.934
35)	L7 AR-1260-5	8.717	7.718	51816568	56912317	481.065	465.356

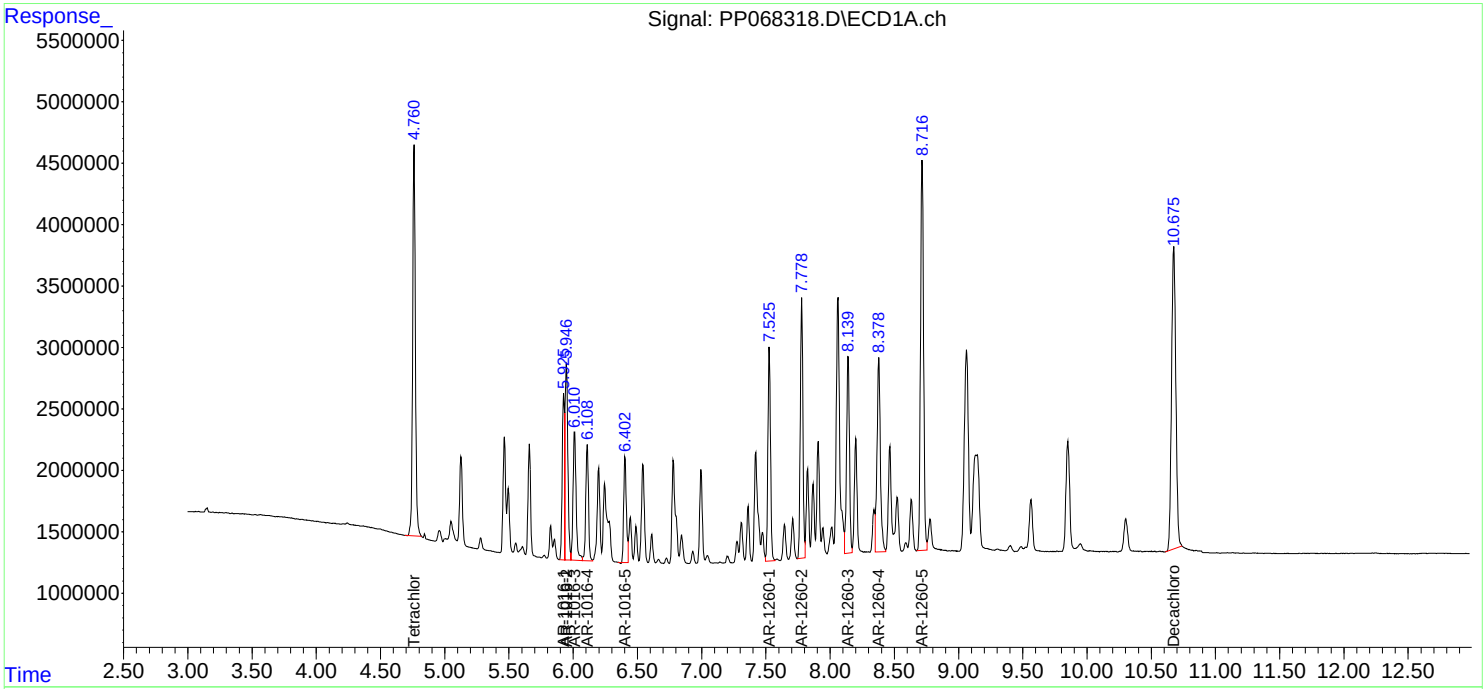
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

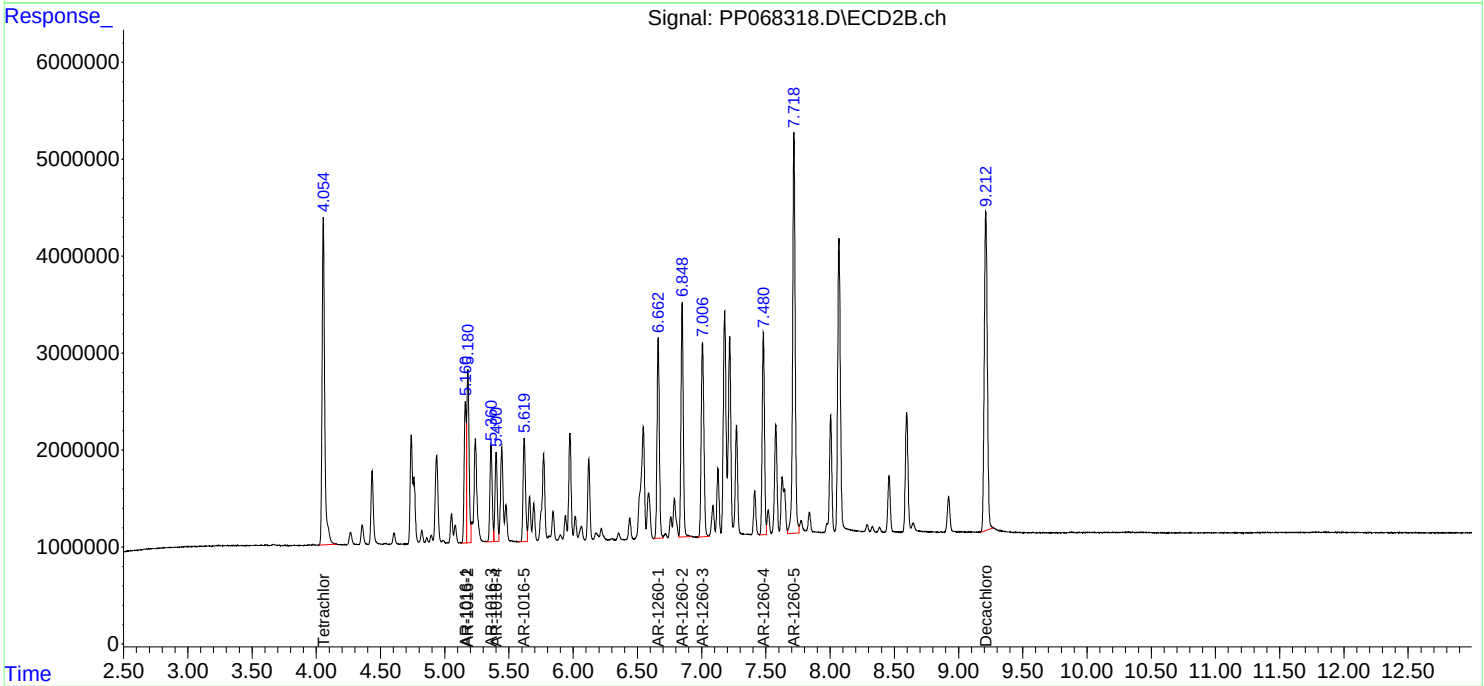
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 13:57
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

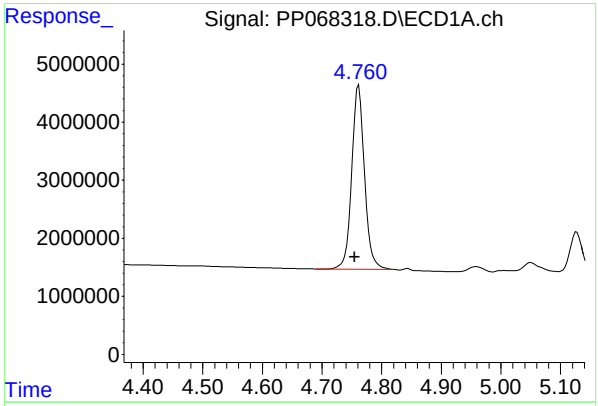
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:37:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



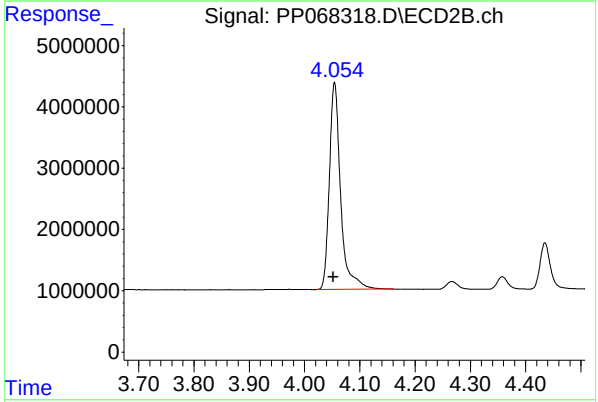




#1 Tetrachloro-m-xylene

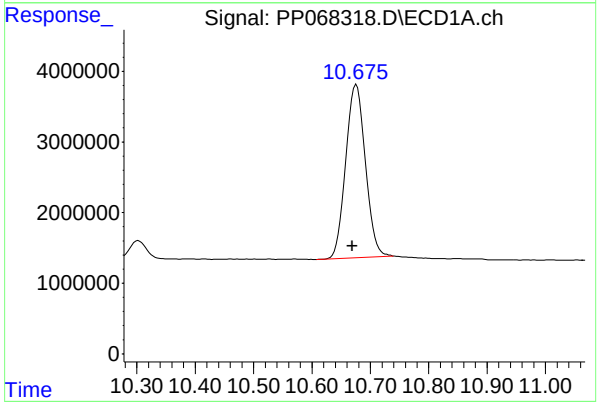
R.T.: 4.762 min
Delta R.T.: 0.007 min
Response: 47187730
Conc: 50.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



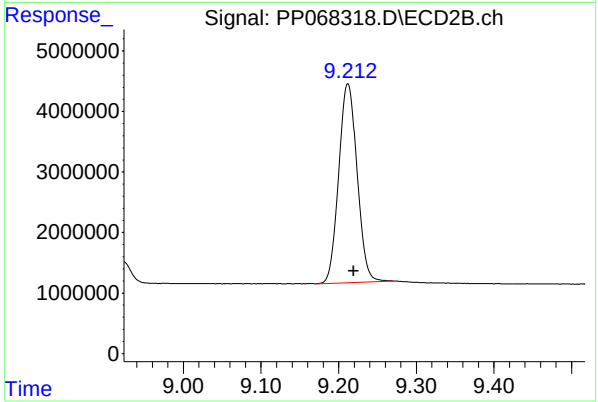
#1 Tetrachloro-m-xylene

R.T.: 4.054 min
Delta R.T.: 0.002 min
Response: 47963873
Conc: 47.47 ng/ml



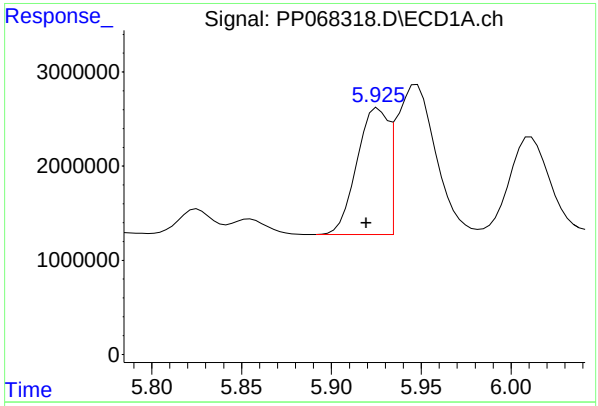
#2 Decachlorobiphenyl

R.T.: 10.676 min
Delta R.T.: 0.007 min
Response: 57370873
Conc: 49.83 ng/ml



#2 Decachlorobiphenyl

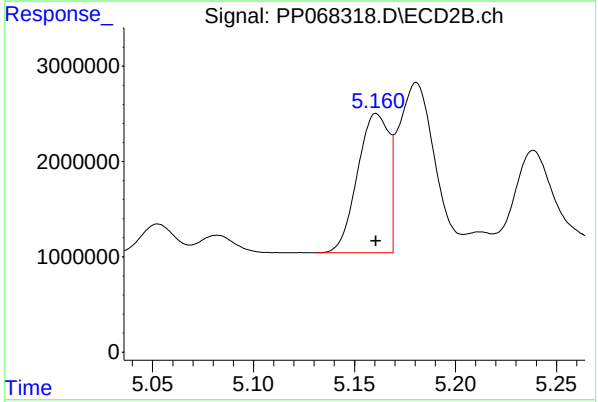
R.T.: 9.212 min
Delta R.T.: -0.007 min
Response: 54113605
Conc: 48.25 ng/ml



#3 AR-1016-1

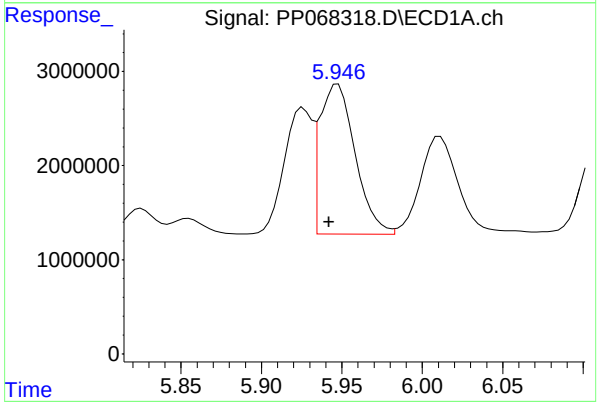
R.T.: 5.926 min
Delta R.T.: 0.007 min
Response: 16296072
Conc: 492.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



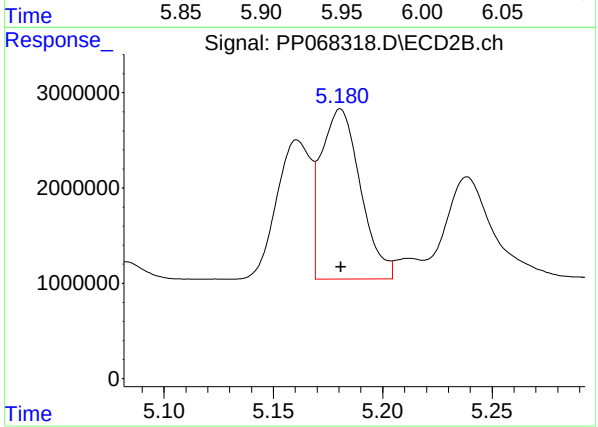
#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 15826676
Conc: 452.36 ng/ml



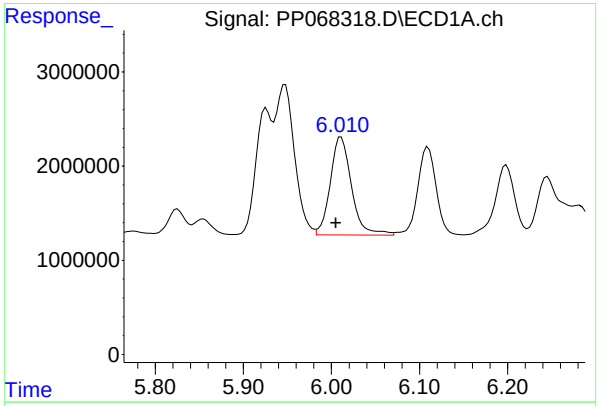
#4 AR-1016-2

R.T.: 5.947 min
Delta R.T.: 0.006 min
Response: 24384164
Conc: 499.97 ng/ml



#4 AR-1016-2

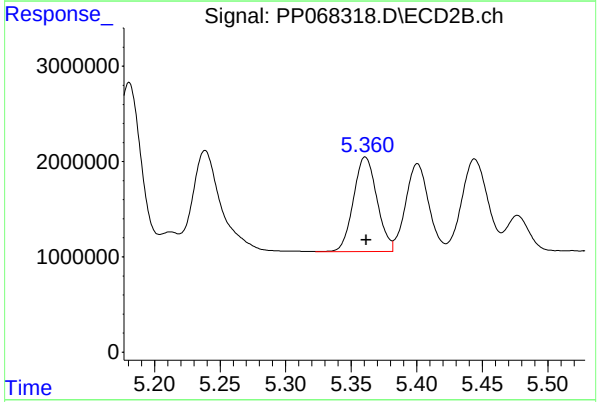
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 22395043
Conc: 464.93 ng/ml



#5 AR-1016-3

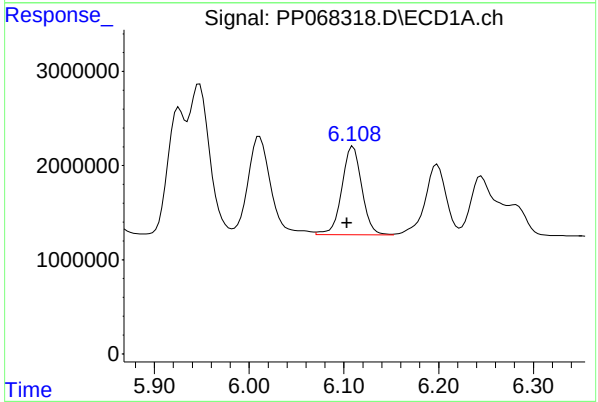
R.T.: 6.011 min
Delta R.T.: 0.006 min
Response: 17478398
Conc: 554.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



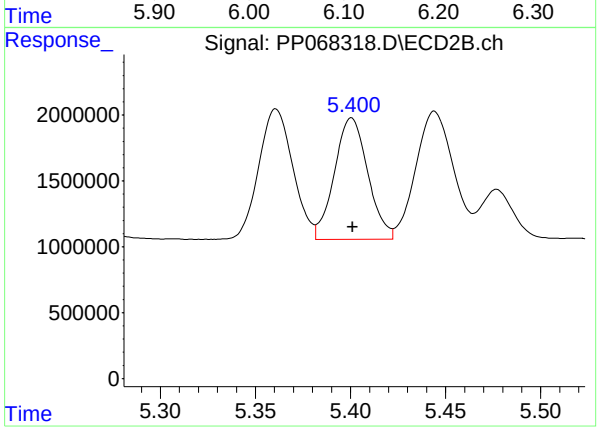
#5 AR-1016-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 12425214
Conc: 461.26 ng/ml



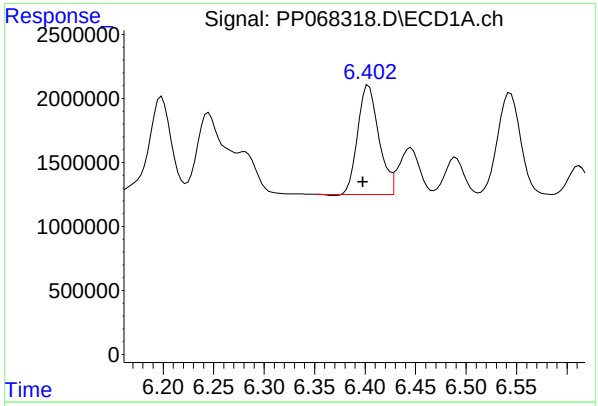
#6 AR-1016-4

R.T.: 6.110 min
Delta R.T.: 0.006 min
Response: 13786311
Conc: 535.52 ng/ml



#6 AR-1016-4

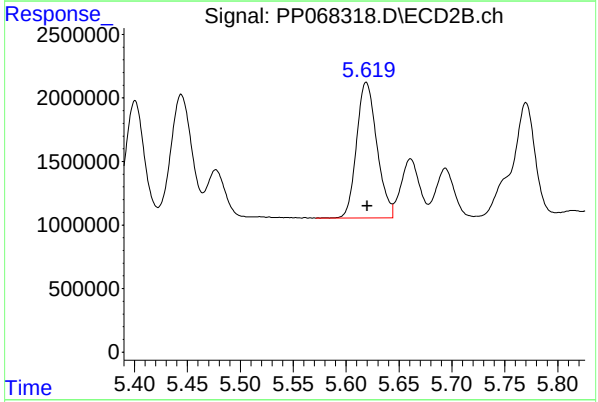
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 11279850
Conc: 468.33 ng/ml



#7 AR-1016-5

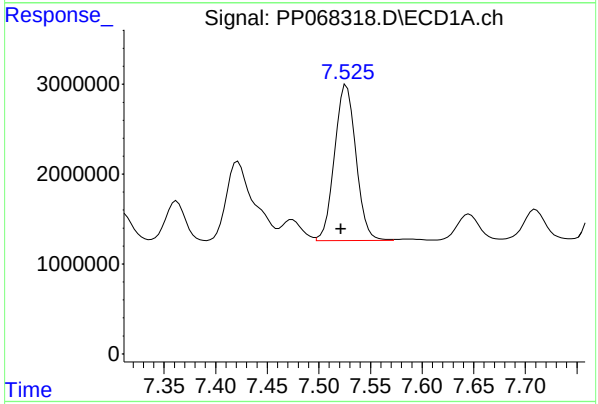
R.T.: 6.404 min
Delta R.T.: 0.005 min
Response: 12453866
Conc: 460.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



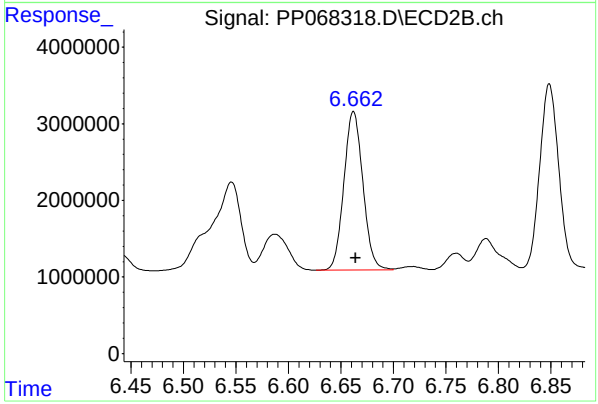
#7 AR-1016-5

R.T.: 5.619 min
Delta R.T.: -0.001 min
Response: 14251269
Conc: 468.64 ng/ml



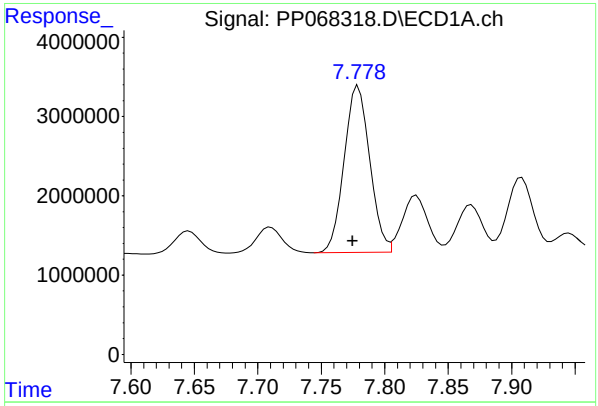
#31 AR-1260-1

R.T.: 7.527 min
Delta R.T.: 0.005 min
Response: 25026661
Conc: 463.25 ng/ml



#31 AR-1260-1

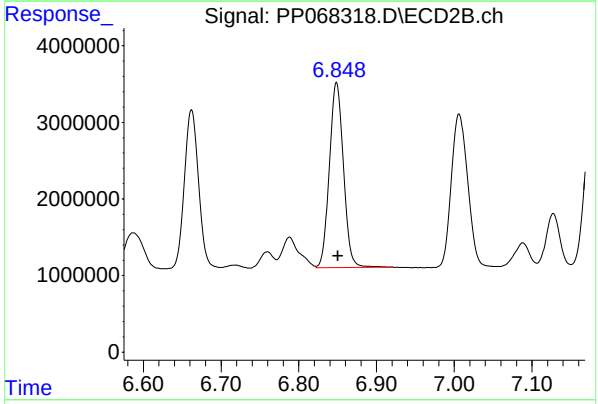
R.T.: 6.662 min
Delta R.T.: -0.002 min
Response: 26079136
Conc: 457.83 ng/ml



#32 AR-1260-2

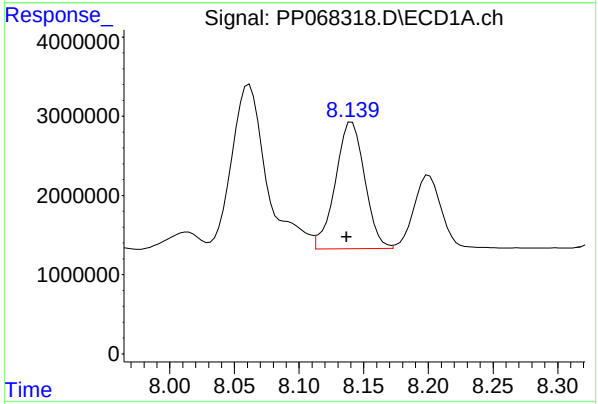
R.T.: 7.779 min
Delta R.T.: 0.005 min
Response: 29514981
Conc: 466.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



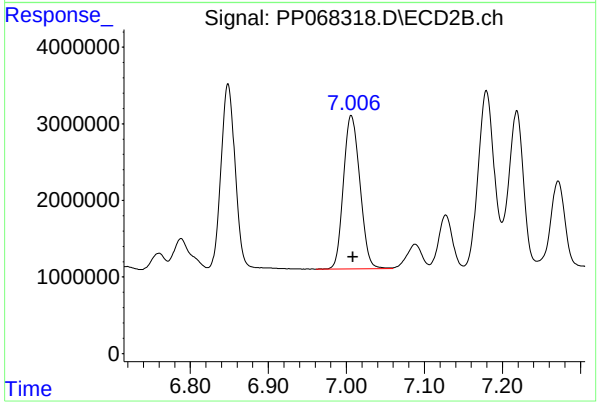
#32 AR-1260-2

R.T.: 6.848 min
Delta R.T.: -0.002 min
Response: 30610567
Conc: 458.90 ng/ml



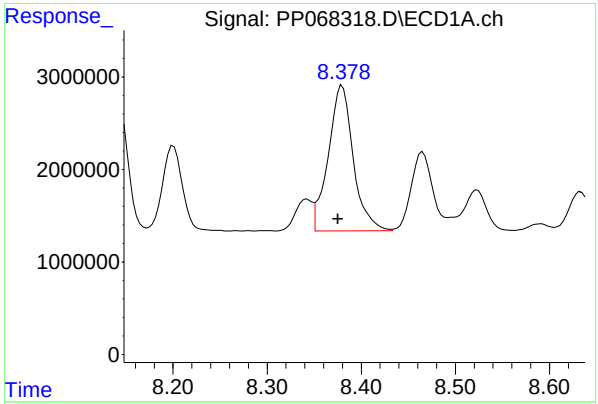
#33 AR-1260-3

R.T.: 8.141 min
Delta R.T.: 0.004 min
Response: 25246804
Conc: 486.93 ng/ml



#33 AR-1260-3

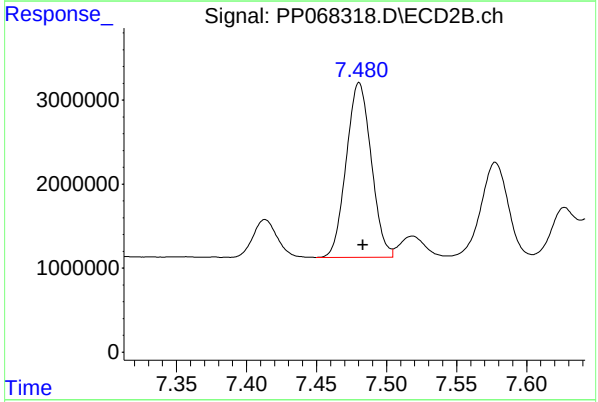
R.T.: 7.006 min
Delta R.T.: -0.002 min
Response: 29419239
Conc: 461.83 ng/ml



#34 AR-1260-4

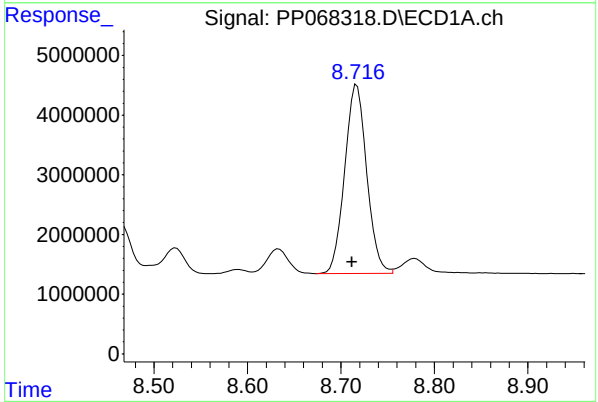
R.T.: 8.380 min
Delta R.T.: 0.005 min
Response: 29032614
Conc: 482.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



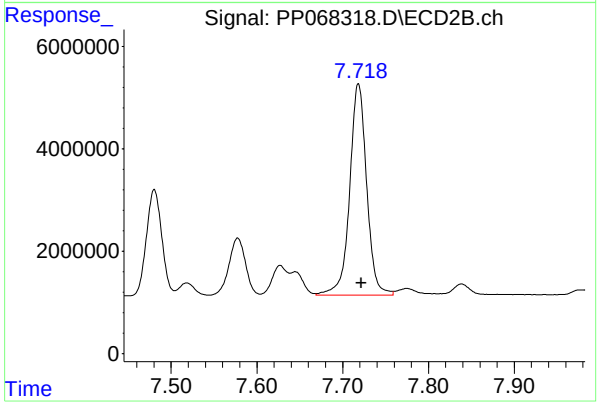
#34 AR-1260-4

R.T.: 7.480 min
Delta R.T.: -0.003 min
Response: 25818052
Conc: 466.93 ng/ml



#35 AR-1260-5

R.T.: 8.717 min
Delta R.T.: 0.005 min
Response: 51816568
Conc: 481.07 ng/ml



#35 AR-1260-5

R.T.: 7.718 min
Delta R.T.: -0.003 min
Response: 56912317
Conc: 465.36 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 18:55 **Initial Calibration Time(s):** 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

Continuing Calib Date: 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 18:55 **Initial Calibration Time(s):** 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068333.D **Time Analyzed:** 18:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.925	5.819	6.019	511.120	500.000	2.2
Aroclor-1016-2	5.947	5.842	6.042	519.840	500.000	4.0
Aroclor-1016-3	6.011	5.905	6.105	511.480	500.000	2.3
Aroclor-1016-4	6.109	6.003	6.203	493.890	500.000	-1.2
Aroclor-1016-5	6.403	6.298	6.498	495.560	500.000	-0.9
Aroclor-1260-1	7.526	7.422	7.622	472.810	500.000	-5.4
Aroclor-1260-2	7.779	7.675	7.875	467.190	500.000	-6.6
Aroclor-1260-3	8.140	8.037	8.237	481.420	500.000	-3.7
Aroclor-1260-4	8.379	8.275	8.475	479.970	500.000	-4.0
Aroclor-1260-5	8.716	8.612	8.812	477.350	500.000	-4.5
Decachlorobiphenyl	10.675	10.569	10.769	49.950	50.000	-0.1
Tetrachloro-m-xylene	4.761	4.655	4.855	52.760	50.000	5.5

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/31/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068333.D **Time Analyzed:** 18:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.159	5.061	5.261	443.170	500.000	-11.4
Aroclor-1016-2	5.179	5.081	5.281	456.260	500.000	-8.7
Aroclor-1016-3	5.359	5.262	5.462	463.590	500.000	-7.3
Aroclor-1016-4	5.398	5.301	5.501	473.650	500.000	-5.3
Aroclor-1016-5	5.617	5.520	5.720	465.480	500.000	-6.9
Aroclor-1260-1	6.660	6.564	6.764	449.730	500.000	-10.1
Aroclor-1260-2	6.846	6.750	6.950	452.000	500.000	-9.6
Aroclor-1260-3	7.004	6.908	7.108	452.640	500.000	-9.5
Aroclor-1260-4	7.478	7.383	7.583	451.050	500.000	-9.8
Aroclor-1260-5	7.716	7.622	7.822	445.310	500.000	-10.9
Decachlorobiphenyl	9.209	9.119	9.319	47.940	50.000	-4.1
Tetrachloro-m-xylene	4.052	3.952	4.152	47.460	50.000	-5.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:48:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.761	4.052	48833832	47953083	52.757	47.459
2)	SA Decachlor...	10.675	9.209	57507173	53766594	49.950	47.943
	Target Compounds						
3)	L1 AR-1016-1	5.925	5.159	16901074	15505363	511.121	443.172
4)	L1 AR-1016-2	5.947	5.179	25352807	21977324	519.835	456.259
5)	L1 AR-1016-3	6.011	5.359	16117809	12487834	511.482	463.586
6)	L1 AR-1016-4	6.109	5.398	12714423	11407923	493.886	473.651
7)	L1 AR-1016-5	6.403	5.617	13413321	14155154	495.562	465.479
31)	L7 AR-1260-1	7.526	6.660	25543155	25617289	472.814	449.726
32)	L7 AR-1260-2	7.779	6.846	29559230	30150229	467.186	451.998
33)	L7 AR-1260-3	8.140	7.004	24961155	28833607	481.422	452.639
34)	L7 AR-1260-4	8.379	7.478	28891280	24939603	479.966	451.047
35)	L7 AR-1260-5	8.716	7.716	51416615	54460893	477.352	445.311

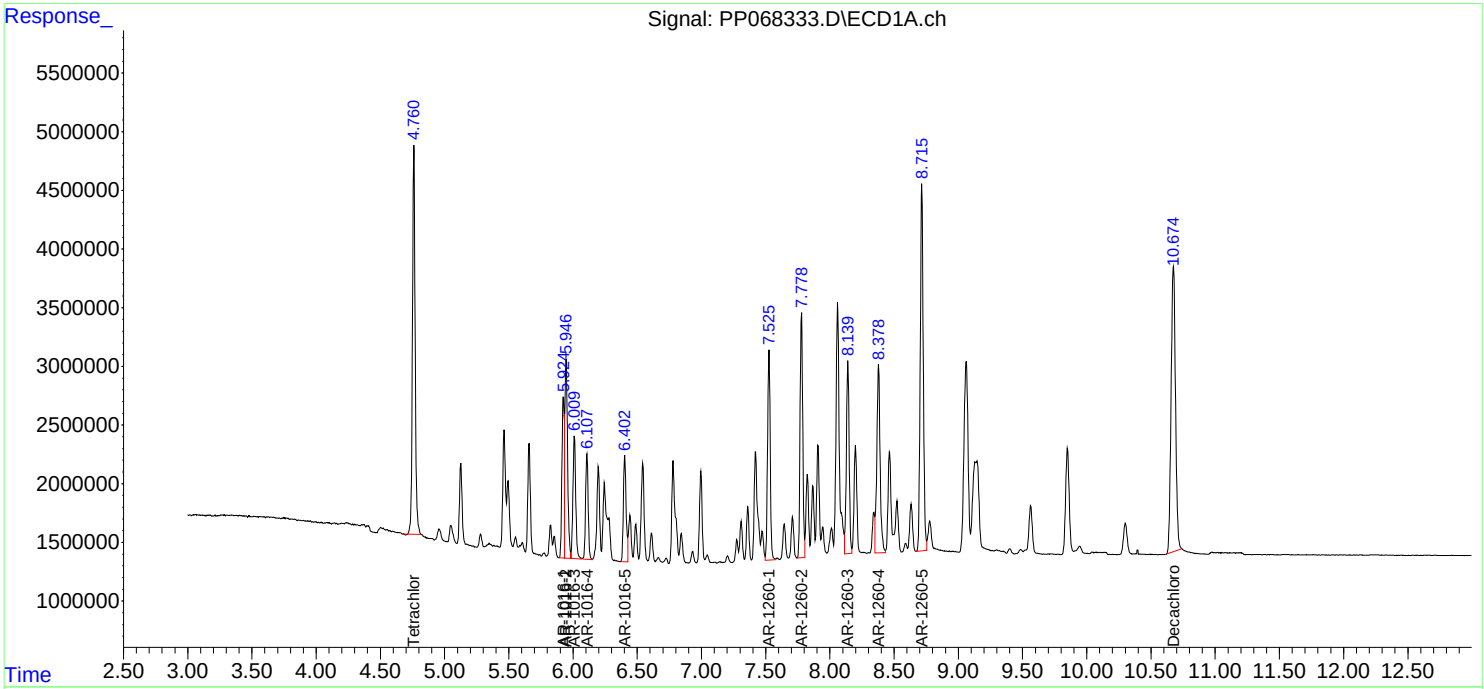
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

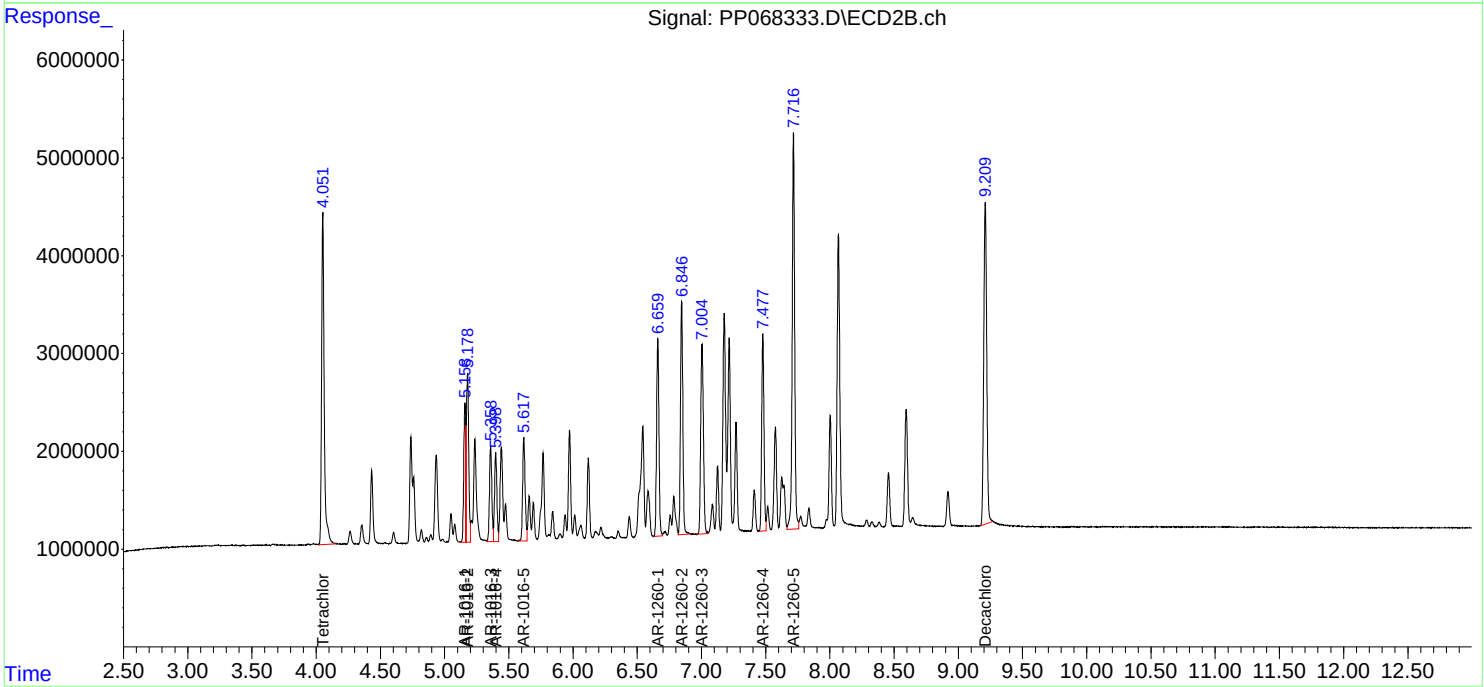
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

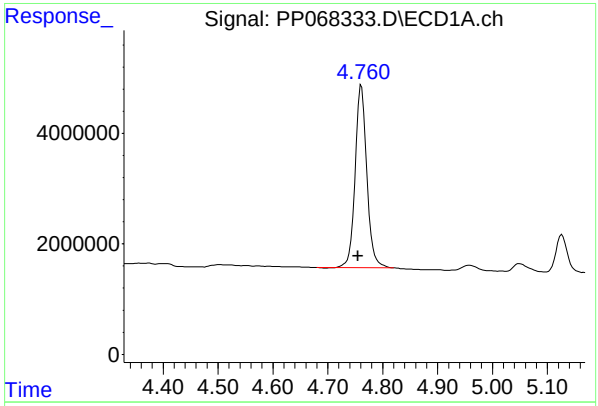
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:48:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



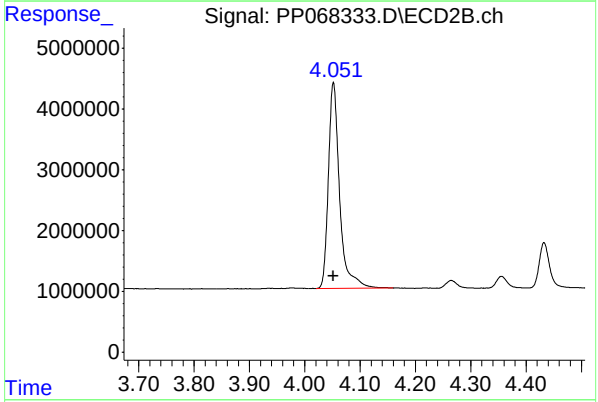




#1 Tetrachloro-m-xylene

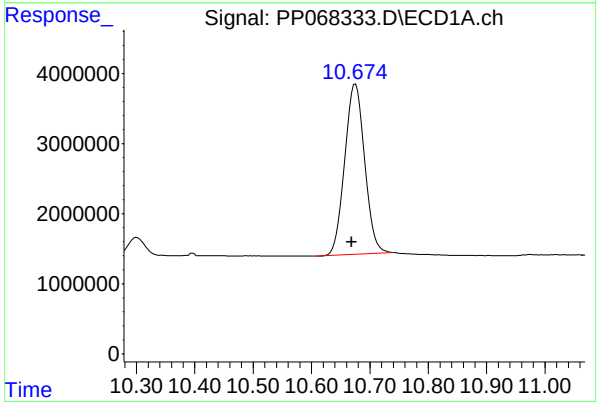
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 48833832
Conc: 52.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



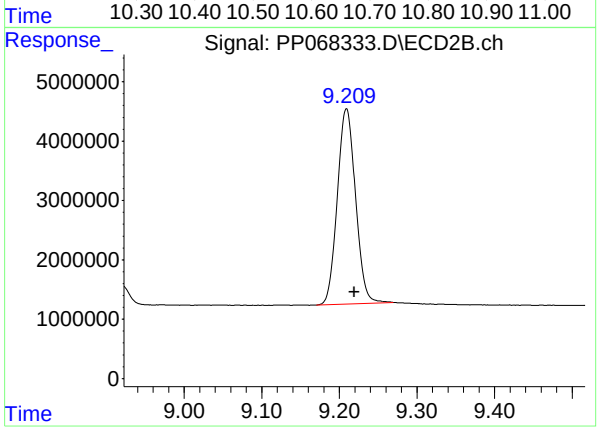
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 47953083
Conc: 47.46 ng/ml



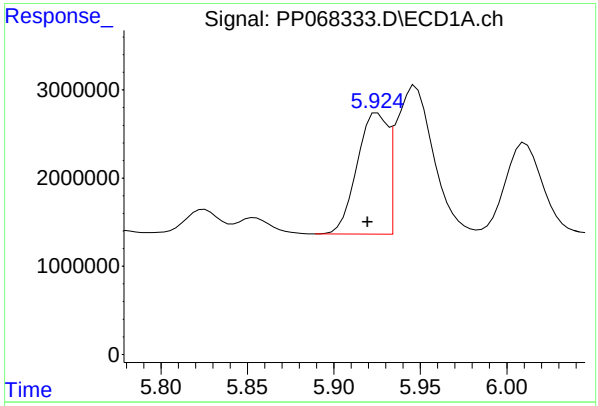
#2 Decachlorobiphenyl

R.T.: 10.675 min
Delta R.T.: 0.006 min
Response: 57507173
Conc: 49.95 ng/ml



#2 Decachlorobiphenyl

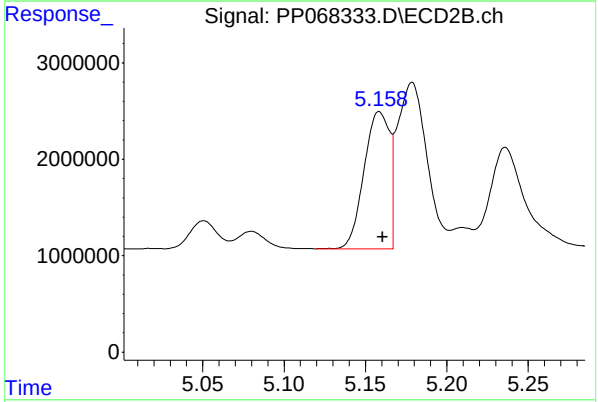
R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 53766594
Conc: 47.94 ng/ml



#3 AR-1016-1

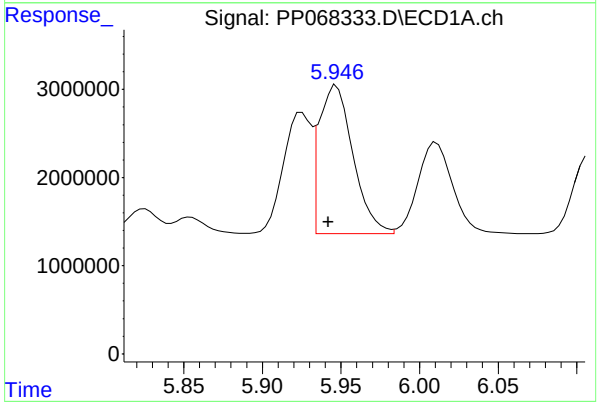
R.T.: 5.925 min
Delta R.T.: 0.006 min
Response: 16901074
Conc: 511.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



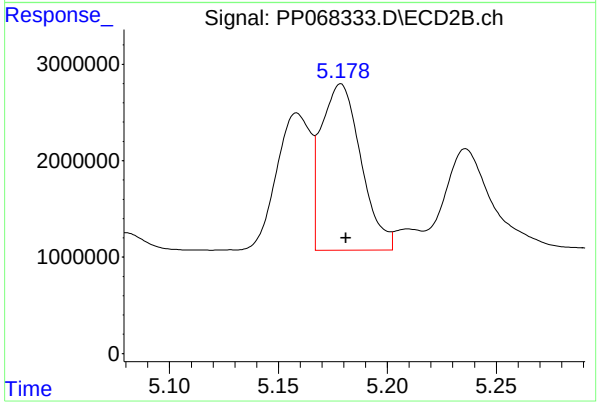
#3 AR-1016-1

R.T.: 5.159 min
Delta R.T.: -0.002 min
Response: 15505363
Conc: 443.17 ng/ml



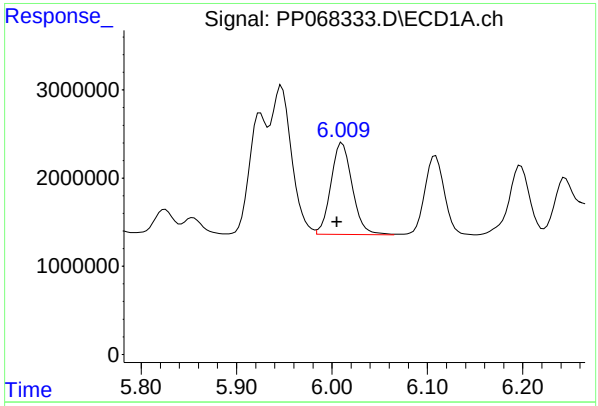
#4 AR-1016-2

R.T.: 5.947 min
Delta R.T.: 0.005 min
Response: 25352807
Conc: 519.84 ng/ml



#4 AR-1016-2

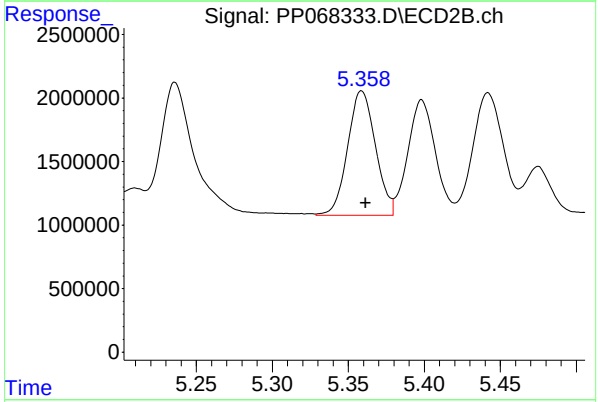
R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 21977324
Conc: 456.26 ng/ml



#5 AR-1016-3

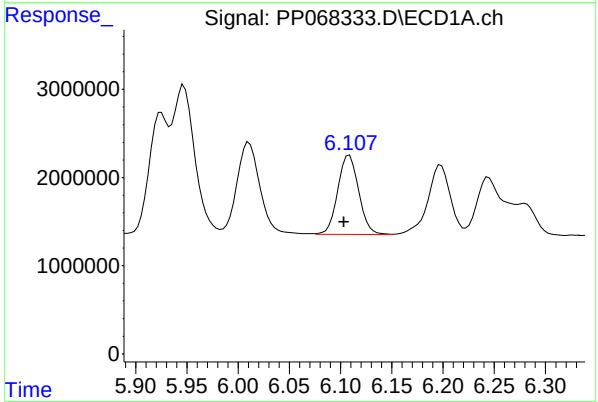
R.T.: 6.011 min
Delta R.T.: 0.006 min
Response: 16117809
Conc: 511.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



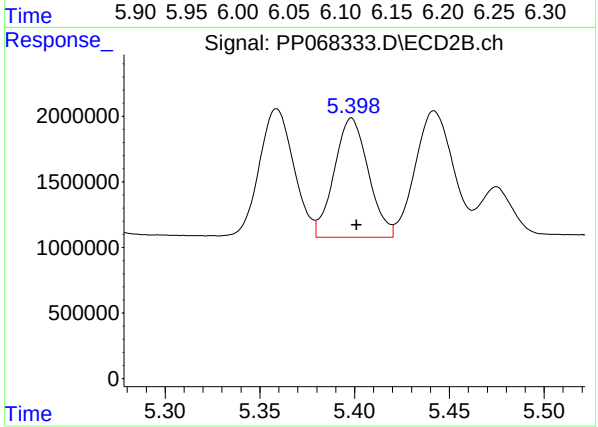
#5 AR-1016-3

R.T.: 5.359 min
Delta R.T.: -0.003 min
Response: 12487834
Conc: 463.59 ng/ml



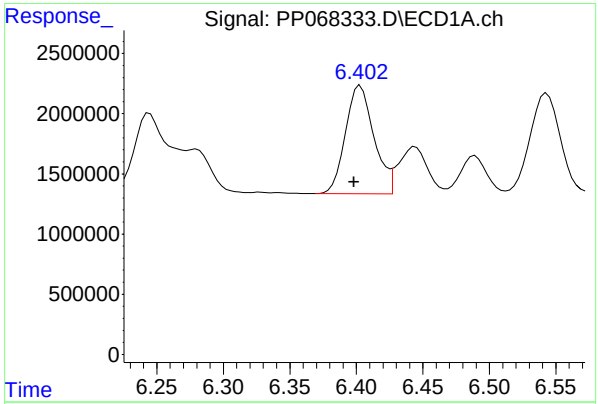
#6 AR-1016-4

R.T.: 6.109 min
Delta R.T.: 0.005 min
Response: 12714423
Conc: 493.89 ng/ml



#6 AR-1016-4

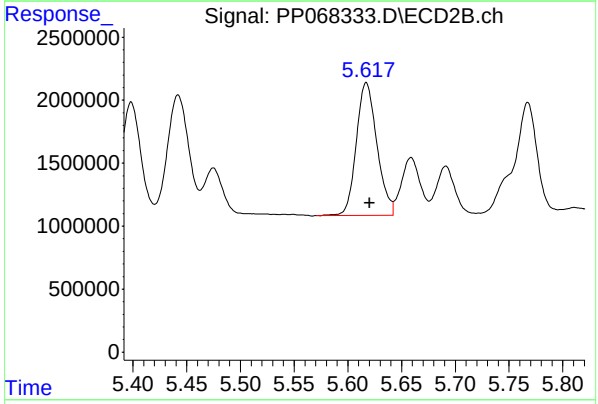
R.T.: 5.398 min
Delta R.T.: -0.003 min
Response: 11407923
Conc: 473.65 ng/ml



#7 AR-1016-5

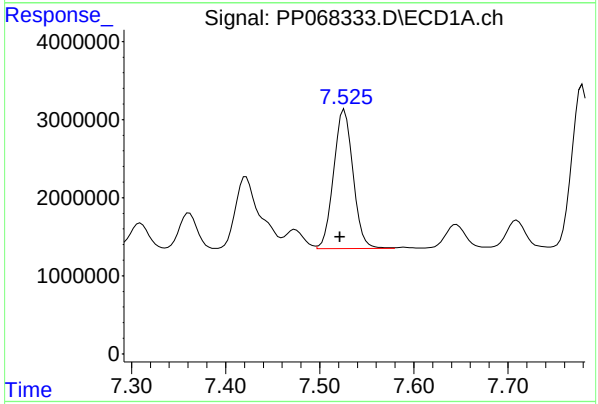
R.T.: 6.403 min
Delta R.T.: 0.005 min
Response: 13413321
Conc: 495.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



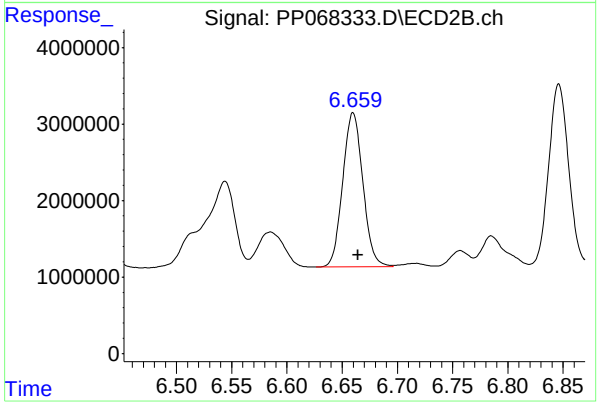
#7 AR-1016-5

R.T.: 5.617 min
Delta R.T.: -0.003 min
Response: 14155154
Conc: 465.48 ng/ml



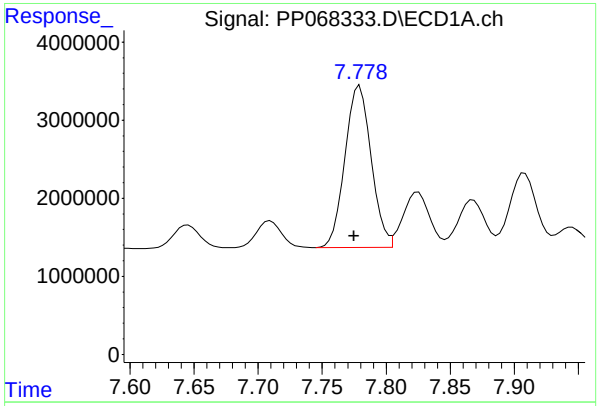
#31 AR-1260-1

R.T.: 7.526 min
Delta R.T.: 0.005 min
Response: 25543155
Conc: 472.81 ng/ml



#31 AR-1260-1

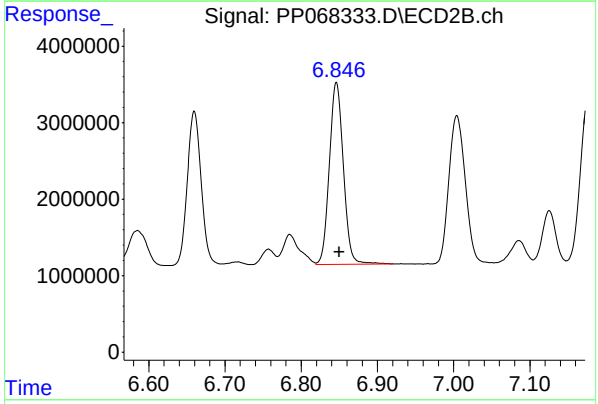
R.T.: 6.660 min
Delta R.T.: -0.004 min
Response: 25617289
Conc: 449.73 ng/ml



#32 AR-1260-2

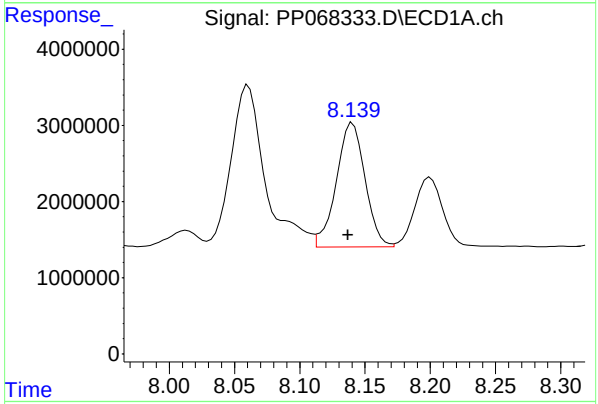
R.T.: 7.779 min
Delta R.T.: 0.005 min
Response: 29559230
Conc: 467.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



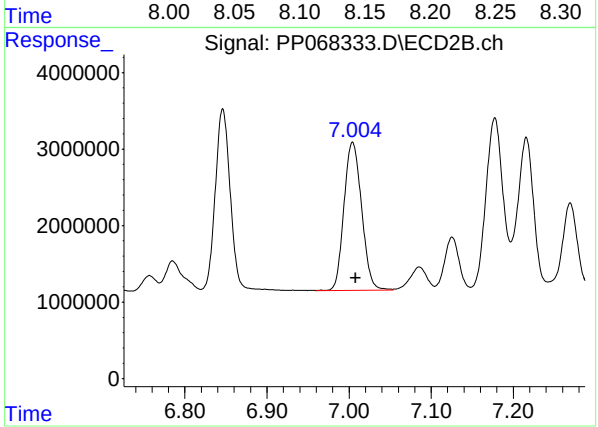
#32 AR-1260-2

R.T.: 6.846 min
Delta R.T.: -0.004 min
Response: 30150229
Conc: 452.00 ng/ml



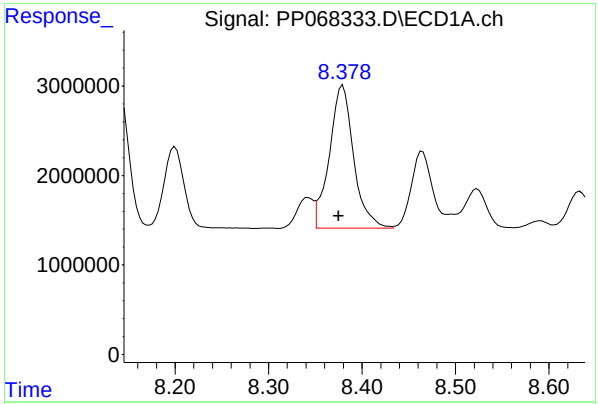
#33 AR-1260-3

R.T.: 8.140 min
Delta R.T.: 0.003 min
Response: 24961155
Conc: 481.42 ng/ml



#33 AR-1260-3

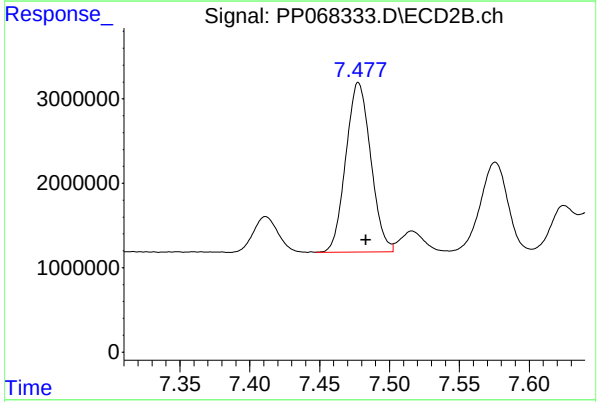
R.T.: 7.004 min
Delta R.T.: -0.004 min
Response: 28833607
Conc: 452.64 ng/ml



#34 AR-1260-4

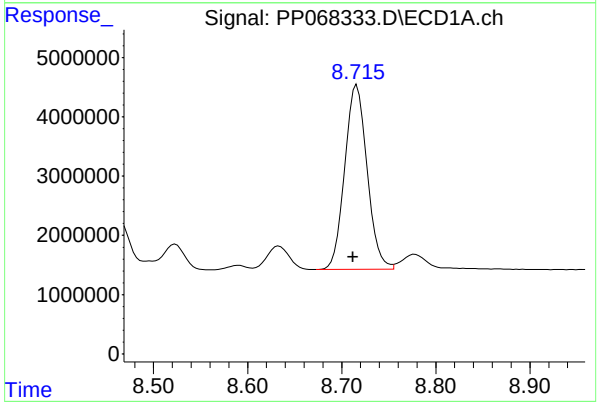
R.T.: 8.379 min
Delta R.T.: 0.004 min
Response: 28891280
Conc: 479.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



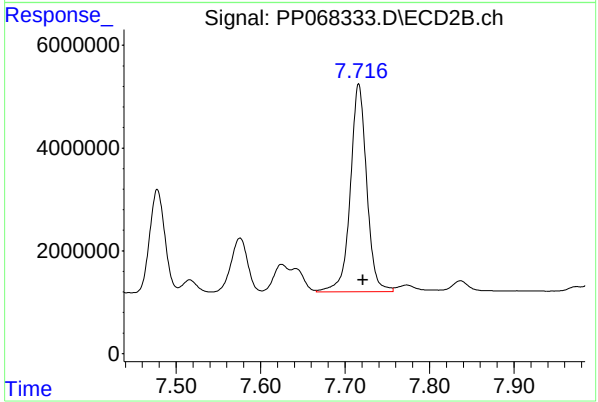
#34 AR-1260-4

R.T.: 7.478 min
Delta R.T.: -0.005 min
Response: 24939603
Conc: 451.05 ng/ml



#35 AR-1260-5

R.T.: 8.716 min
Delta R.T.: 0.004 min
Response: 51416615
Conc: 477.35 ng/ml



#35 AR-1260-5

R.T.: 7.716 min
Delta R.T.: -0.005 min
Response: 54460893
Conc: 445.31 ng/ml

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

Analytical Sequence

Client: Weston Solutions, Inc. **SDG No.:** P4620

Project: RFP 872 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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 #
I.BLK	I.BLK	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/31/2024	17:10	PO107564.D	10.07	4.37
I.BLK	I.BLK	10/31/2024	18:15	PO107568.D	10.07	4.37
P001-CF13-01	P4620-16	10/31/2024	18:31	PO107569.D	10.07	4.37
P001-CF14-01	P4620-18	10/31/2024	18:48	PO107570.D	10.07	4.37
P001-CF15-01	P4620-20	10/31/2024	19:04	PO107571.D	10.07	4.37
P001-CF16-01	P4620-25	10/31/2024	19:20	PO107572.D	10.07	4.37
P001-CF16-01MS	P4620-26MS	10/31/2024	19:36	PO107573.D	10.07	4.37
P001-CF16-01MSD	P4620-27MSD	10/31/2024	19:52	PO107574.D	10.07	4.37
P001-CF16-02	P4620-30	10/31/2024	20:09	PO107575.D	10.07	4.37
AR1660CCC500	AR1660CCC500	10/31/2024	20:55	PO107576.D	10.07	4.37
I.BLK	I.BLK	10/31/2024	21:59	PO107580.D	10.07	4.37
I.BLK	I.BLK	10/08/2024	16:14	PP067586.D	10.67	4.75
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75

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Analytical Sequence

AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/31/2024	13:57	PP068318.D	10.68	4.76
I.BLK	I.BLK	10/31/2024	15:10	PP068322.D	10.68	4.76
PB164566BL	PB164566BL	10/31/2024	15:39	PP068323.D	10.69	4.77
PB164566BS	PB164566BS	10/31/2024	15:55	PP068324.D	10.68	4.76
PB164566TB	PB164566TB	10/31/2024	16:11	PP068325.D	10.68	4.76
P001-CF06-01	P4620-02	10/31/2024	16:28	PP068326.D	10.67	4.76
P001-CF07-01	P4620-04	10/31/2024	16:44	PP068327.D	10.67	4.76
P001-CF08-01	P4620-06	10/31/2024	17:01	PP068328.D	10.68	4.76
P001-CF09-01	P4620-08	10/31/2024	17:17	PP068329.D	10.67	4.76
P001-CF10-01	P4620-10	10/31/2024	17:33	PP068330.D	10.67	4.76
P001-CF11-01	P4620-12	10/31/2024	17:50	PP068331.D	10.67	4.76
P001-CF12-01	P4620-14	10/31/2024	18:06	PP068332.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/31/2024	18:55	PP068333.D	10.68	4.76
I.BLK	I.BLK	10/31/2024	20:01	PP068337.D	10.67	4.76

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Analytical Sequence

Client: Weston Solutions, Inc. **SDG No.:** P4620

Project: RFP 872 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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 #
I.BLK	I.BLK	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/31/2024	17:10	PO107564.D	8.64	3.65
I.BLK	I.BLK	10/31/2024	18:15	PO107568.D	8.64	3.64
P001-CF13-01	P4620-16	10/31/2024	18:31	PO107569.D	8.64	3.64
P001-CF14-01	P4620-18	10/31/2024	18:48	PO107570.D	8.64	3.64
P001-CF15-01	P4620-20	10/31/2024	19:04	PO107571.D	8.64	3.64
P001-CF16-01	P4620-25	10/31/2024	19:20	PO107572.D	8.64	3.64
P001-CF16-01MS	P4620-26MS	10/31/2024	19:36	PO107573.D	8.64	3.64
P001-CF16-01MSD	P4620-27MSD	10/31/2024	19:52	PO107574.D	8.64	3.64
P001-CF16-02	P4620-30	10/31/2024	20:09	PO107575.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/31/2024	20:55	PO107576.D	8.64	3.64
I.BLK	I.BLK	10/31/2024	21:59	PO107580.D	8.64	3.64
I.BLK	I.BLK	10/08/2024	16:14	PP067586.D	9.22	4.05
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05

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Analytical Sequence

AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/31/2024	13:57	PP068318.D	9.21	4.05
I.BLK	I.BLK	10/31/2024	15:10	PP068322.D	9.21	4.05
PB164566BL	PB164566BL	10/31/2024	15:39	PP068323.D	9.22	4.05
PB164566BS	PB164566BS	10/31/2024	15:55	PP068324.D	9.21	4.05
PB164566TB	PB164566TB	10/31/2024	16:11	PP068325.D	9.21	4.05
P001-CF06-01	P4620-02	10/31/2024	16:28	PP068326.D	9.21	4.05
P001-CF07-01	P4620-04	10/31/2024	16:44	PP068327.D	9.21	4.05
P001-CF08-01	P4620-06	10/31/2024	17:01	PP068328.D	9.21	4.05
P001-CF09-01	P4620-08	10/31/2024	17:17	PP068329.D	9.21	4.05
P001-CF10-01	P4620-10	10/31/2024	17:33	PP068330.D	9.21	4.05
P001-CF11-01	P4620-12	10/31/2024	17:50	PP068331.D	9.21	4.05
P001-CF12-01	P4620-14	10/31/2024	18:06	PP068332.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/31/2024	18:55	PP068333.D	9.21	4.05
I.BLK	I.BLK	10/31/2024	20:01	PP068337.D	9.21	4.05

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
P001-CF16-01MS

Contract: ROYF02

Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620

Lab Sample ID: P4620-26MS Date(s) Analyzed: 10/31/2024 10/31/2024

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 PO107573.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.521	5.471	5.571	5.47		
	2	5.544	5.494	5.594	5.41		
	3	5.606	5.556	5.656	5.38		
COLUMN 1	4	5.703	5.653	5.753	5.71		
	5	5.998	5.948	6.048	5.49	5.50	
	1	4.725	4.675	4.775	5.68		
	2	4.743	4.693	4.793	5.68		
	3	4.92	4.87	4.97	5.59		
	4	4.961	4.911	5.011	5.04		
COLUMN 2	5	5.174	5.124	5.224	5.41	5.50	0
Aroclor-1260	1	7.126	7.076	7.176	5.21		
	2	7.384	7.334	7.434	5.68		
	3	7.746	7.696	7.796	5.16		
COLUMN 1	4	7.971	7.921	8.021	5.81		
	5	8.285	8.235	8.335	5.09	5.40	
	1	6.205	6.155	6.255	5.78		
	2	6.392	6.342	6.442	5.98		
	3	6.545	6.495	6.595	5.95		
	4	7.017	6.967	7.067	5.07		
COLUMN 2	5	7.258	7.208	7.308	5.39	5.60	3.64

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
P001-CF16-01MSD

Contract: ROYF02
Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620
Lab Sample ID: P4620-27MSD Date(s) Analyzed: 10/31/2024 10/31/2024
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 PO107574.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.521	5.471	5.571	5.40		
	2	5.543	5.493	5.593	5.48		
	3	5.606	5.556	5.656	5.37		
COLUMN 1	4	5.703	5.653	5.753	5.71		
	5	5.998	5.948	6.048	5.55	5.50	
	1	4.725	4.675	4.775	5.74		
	2	4.744	4.694	4.794	5.67		
	3	4.92	4.87	4.97	5.61		
	4	4.961	4.911	5.011	5.05		
COLUMN 2	5	5.174	5.124	5.224	5.42	5.50	0
Aroclor-1260	1	7.127	7.077	7.177	5.26		
	2	7.383	7.333	7.433	5.58		
	3	7.746	7.696	7.796	5.13		
COLUMN 1	4	7.97	7.92	8.02	5.73		
	5	8.285	8.235	8.335	5.18	5.40	
	1	6.205	6.155	6.255	5.80		
	2	6.392	6.342	6.442	5.99		
	3	6.545	6.495	6.595	5.98		
	4	7.017	6.967	7.067	5.09		
COLUMN 2	5	7.258	7.208	7.308	5.41	5.70	5.41

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB164566BS

Contract: ROYF02
Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620
Lab Sample ID: PB164566BS Date(s) Analyzed: 10/31/2024 10/31/2024
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP068324.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.924	5.874	5.974	4.44		
	2	5.946	5.896	5.996	4.50		
	3	6.01	5.96	6.06	4.37		
COLUMN 1	4	6.108	6.058	6.158	4.24		
	5	6.402	6.352	6.452	4.05	4.30	
	1	5.159	5.109	5.209	3.92		
	2	5.179	5.129	5.229	4.01		
	3	5.36	5.31	5.41	4.01		
	4	5.399	5.349	5.449	4.01		
COLUMN 2	5	5.618	5.568	5.668	3.92	4.00	7.23
Aroclor-1260	1	7.526	7.476	7.576	4.33		
	2	7.779	7.729	7.829	4.31		
	3	8.14	8.09	8.19	3.80		
COLUMN 1	4	8.377	8.327	8.427	4.01		
	5	8.716	8.666	8.766	3.89	4.10	
	1	6.661	6.611	6.711	4.15		
	2	6.847	6.797	6.897	4.18		
	3	7.004	6.954	7.054	4.15		
	4	7.479	7.429	7.529	3.69		
COLUMN 2	5	7.717	7.667	7.767	3.66	4.00	2.47

QC SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 872	Date Received:	
Client Sample ID:	PB164566BL	SDG No.:	P4620
Lab Sample ID:	PB164566BL	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068323.D	1	10/31/24 10:30	10/31/24 15:39	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		10 - 157	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		10 - 173	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_P\Data\PP103124\
Data File : PP068323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:39
Operator : YP\AJ
Sample : PB164566BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164566BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.767	4.053	18760743	18303066	20.268	18.115
2)	SA Decachlor...	10.690	9.216	25218695	23814974	21.904	21.236
	Target Compounds						

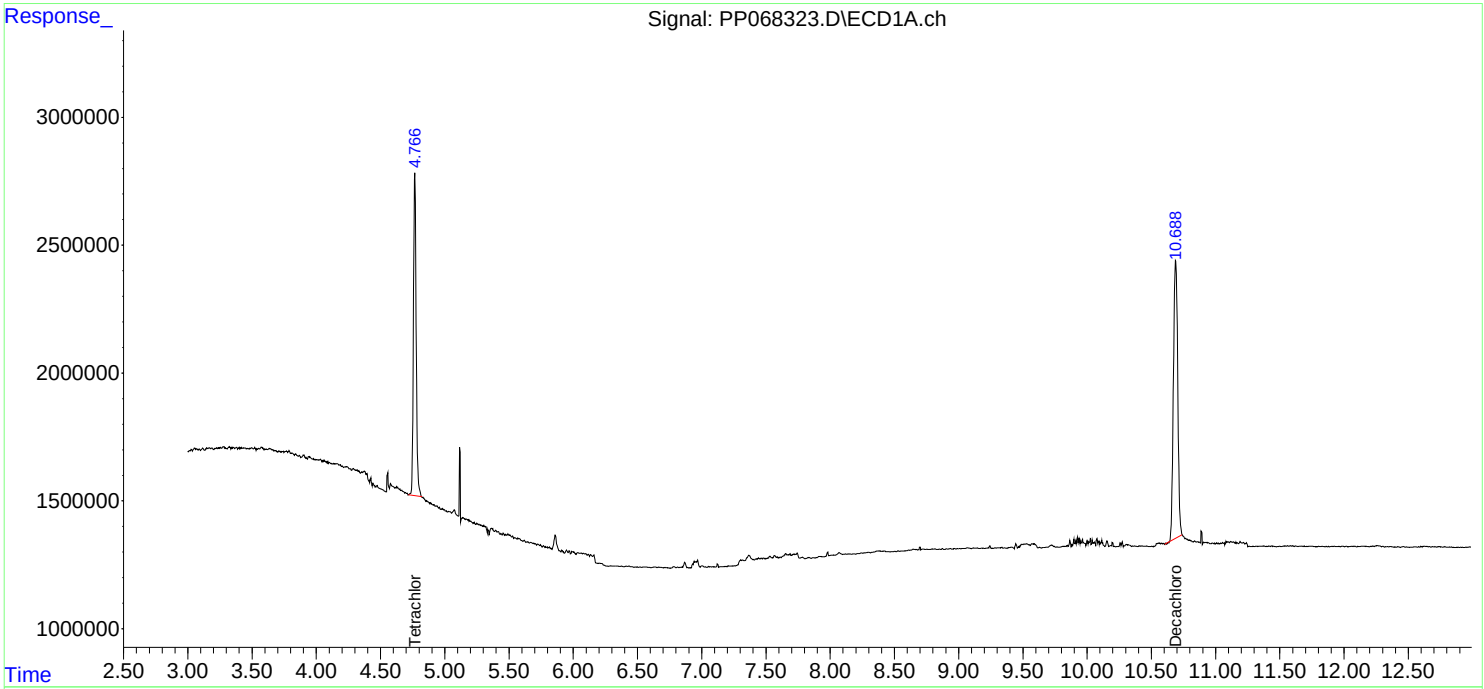
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

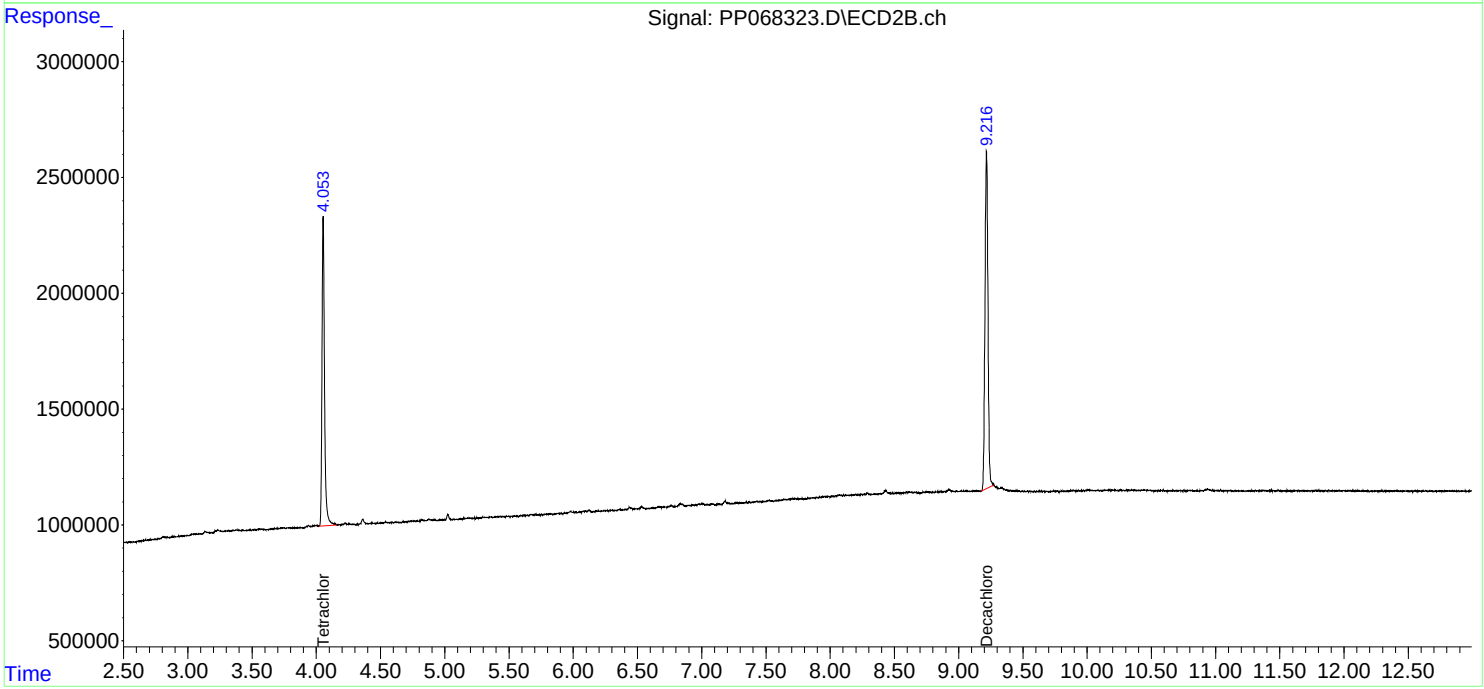
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:39
Operator : YP\AJ
Sample : PB164566BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

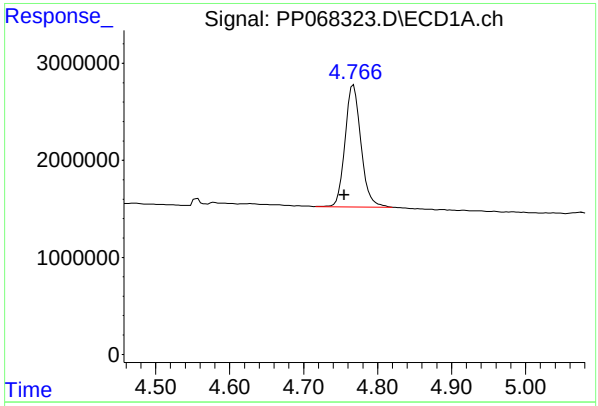
Instrument :
ECD_P
ClientSampleId :
PB164566BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



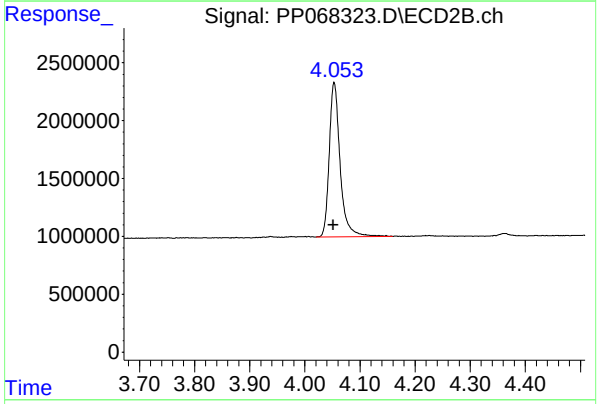




#1 Tetrachloro-m-xylene

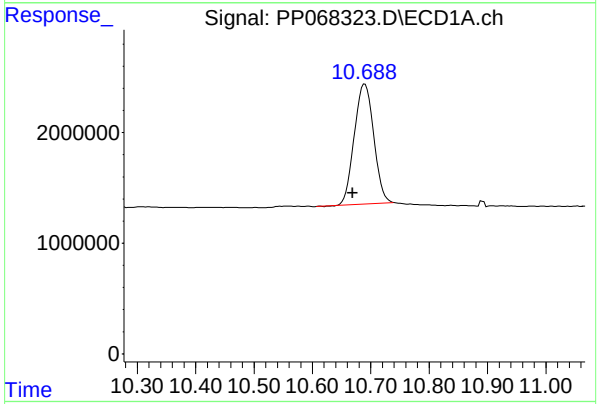
R.T.: 4.767 min
Delta R.T.: 0.012 min
Response: 18760743
Conc: 20.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BL



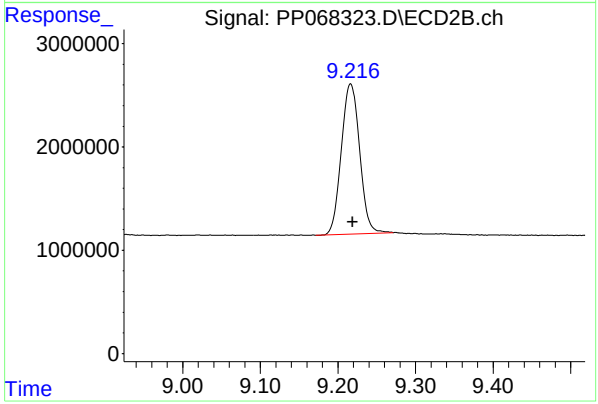
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 18303066
Conc: 18.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.690 min
Delta R.T.: 0.021 min
Response: 25218695
Conc: 21.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.003 min
Response: 23814974
Conc: 21.24 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/15/24
Project:	RFP 872	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4620
Lab Sample ID:	I.BLK-PO107183.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107183.D	1		10/15/24	po101524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140	114%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
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: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.373	3.644	204.9E6	71065652	22.480	22.080
2)	SA Decachlor...	10.057	8.638	57445703	62504934	23.415	22.799
	Target Compounds						

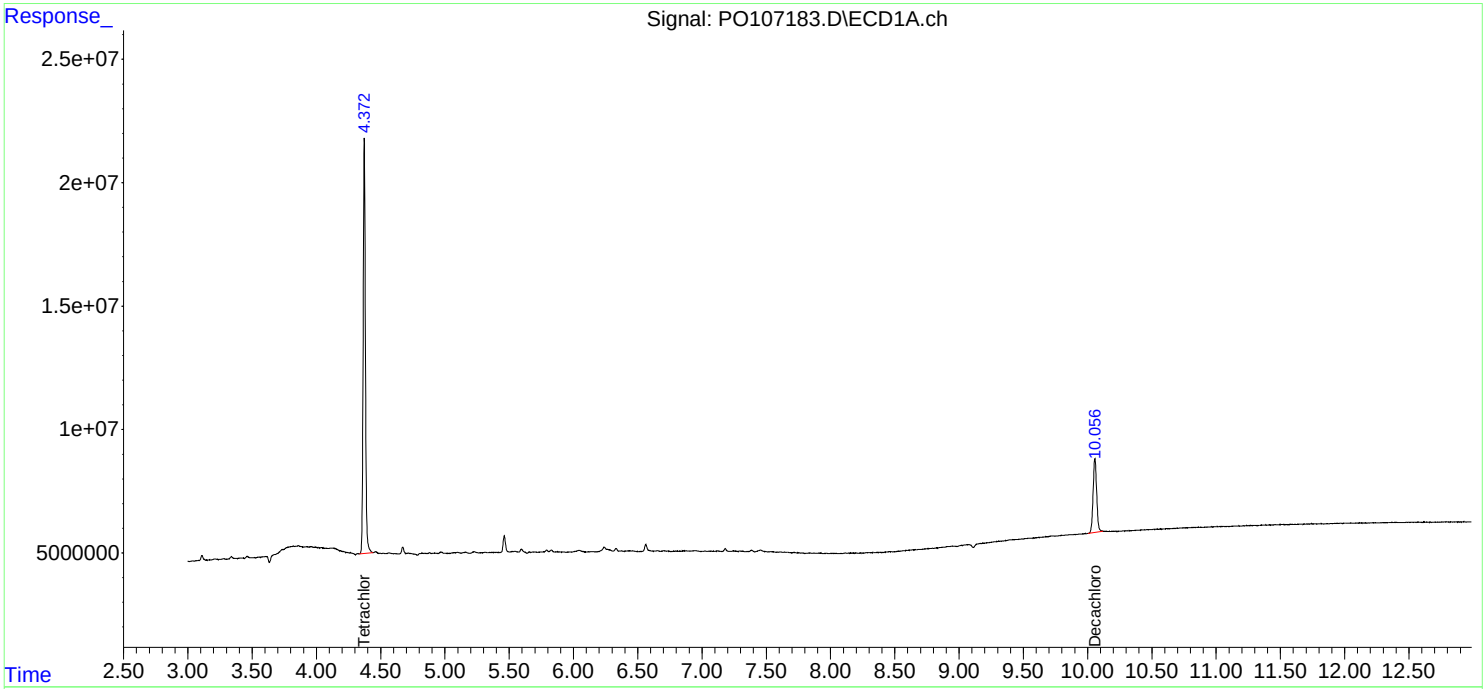
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

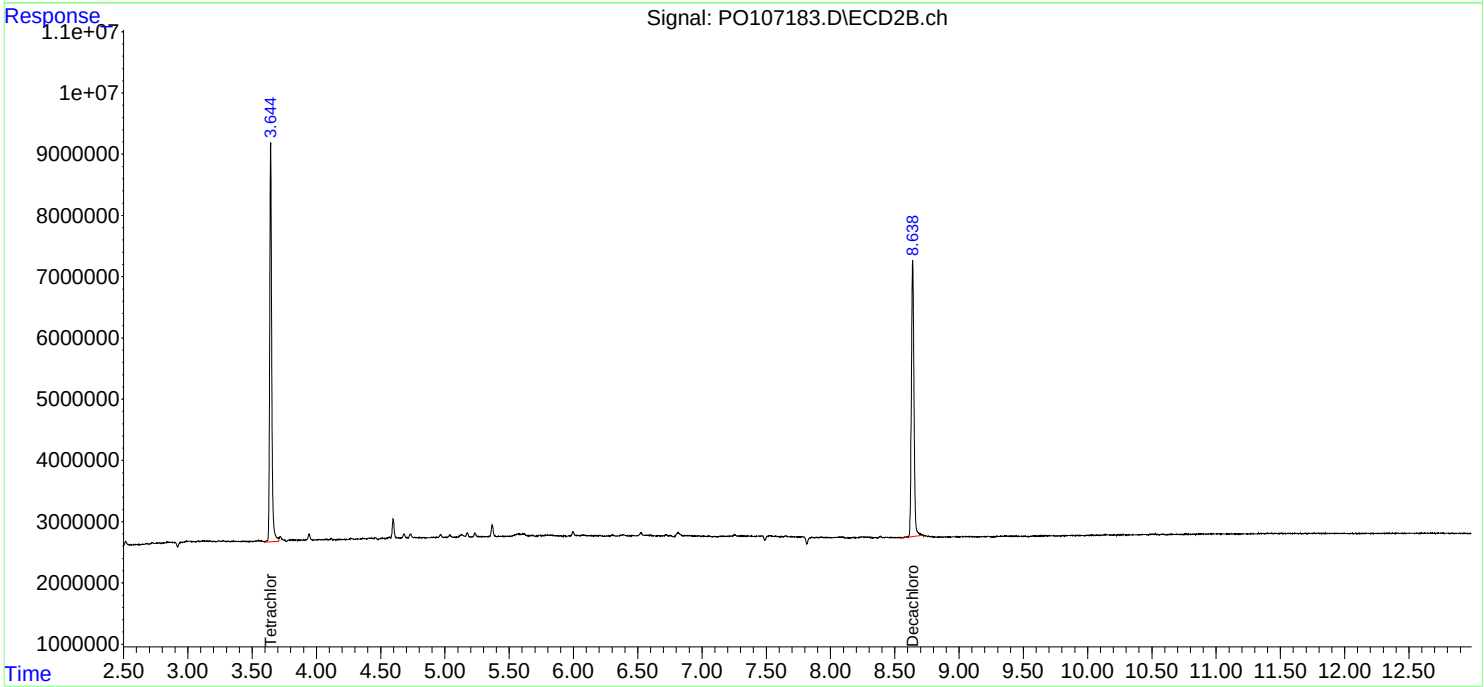
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

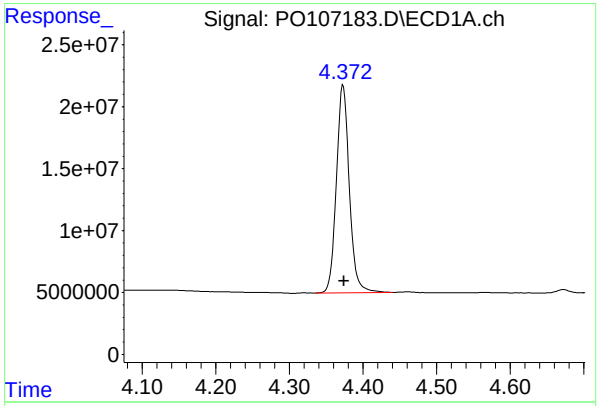
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



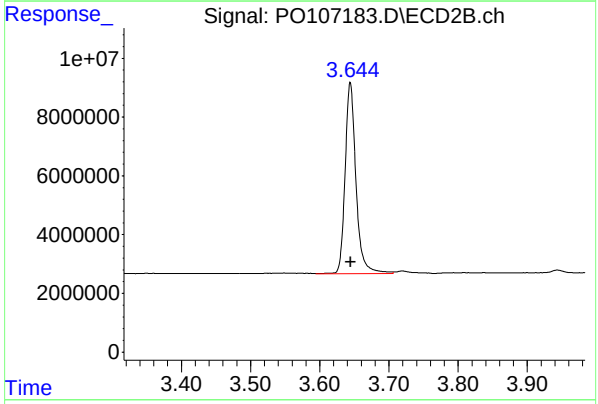




#1 Tetrachloro-m-xylene

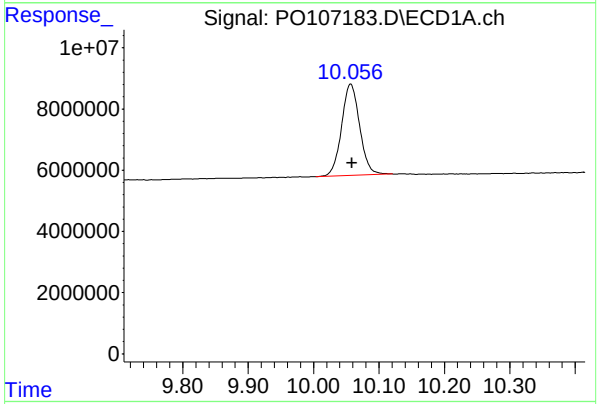
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 204884980
Conc: 22.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



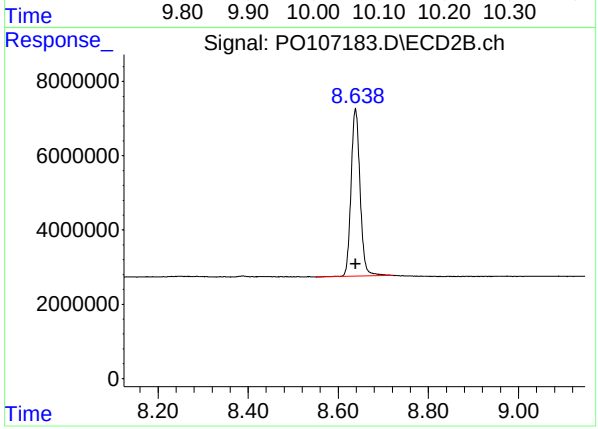
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 71065652
Conc: 22.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.002 min
Response: 57445703
Conc: 23.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 62504934
Conc: 22.80 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/31/24
Project:	RFP 872	Date Received:	10/31/24
Client Sample ID:	PIBLK-PO107568.D	SDG No.:	P4620
Lab Sample ID:	I.BLK-PO107568.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107568.D	1		10/31/24	PO103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140	85%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:15
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: Oct 31 23:11:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.370	3.643	179.4E6	63178128	19.683	19.630
2)	SA Decachlor...	10.068	8.640	44993635	46758892	18.339	17.055
	Target Compounds						

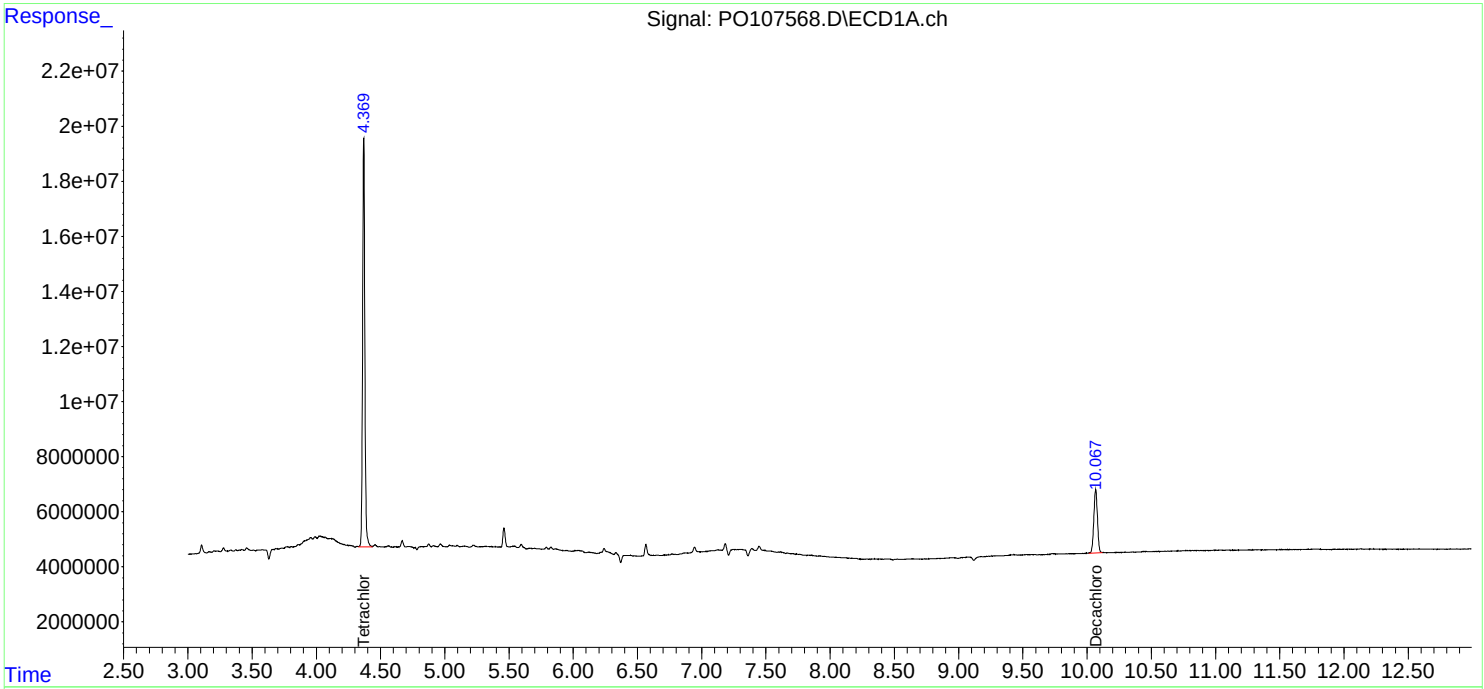
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

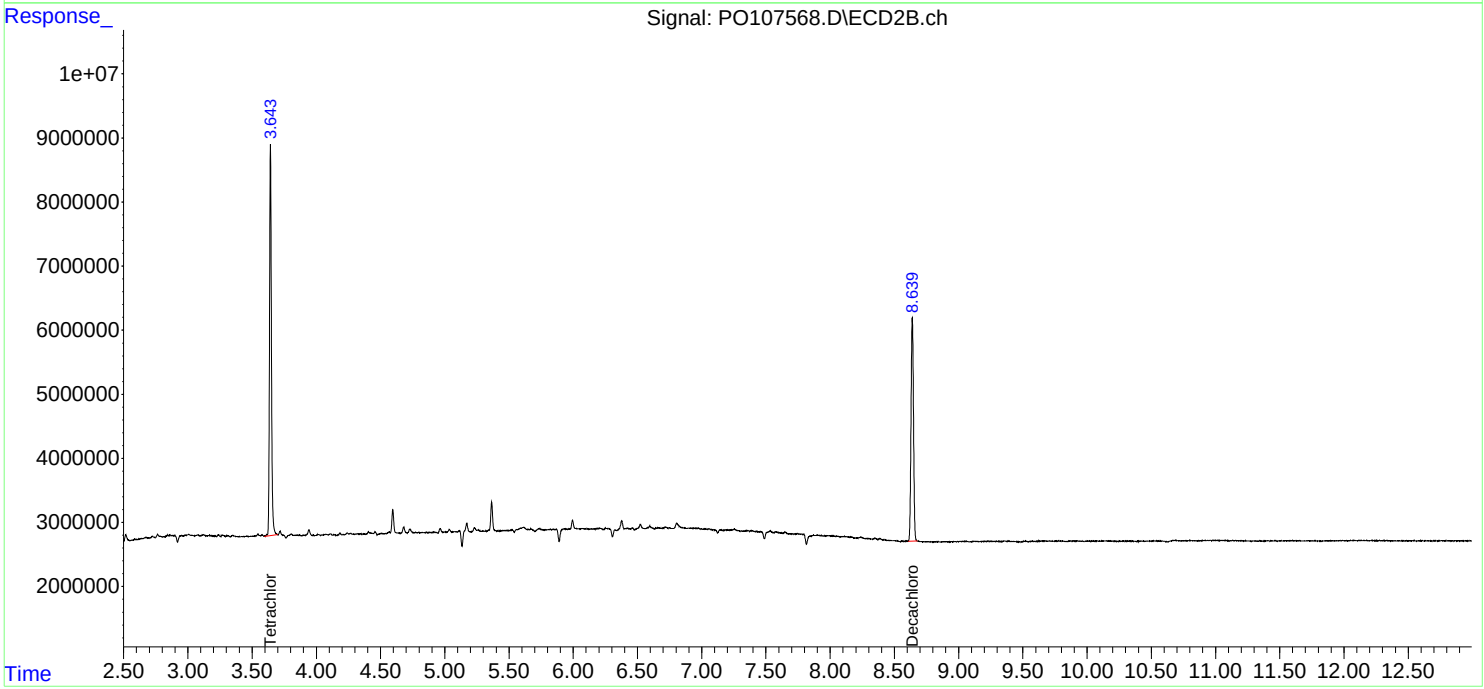
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:15
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

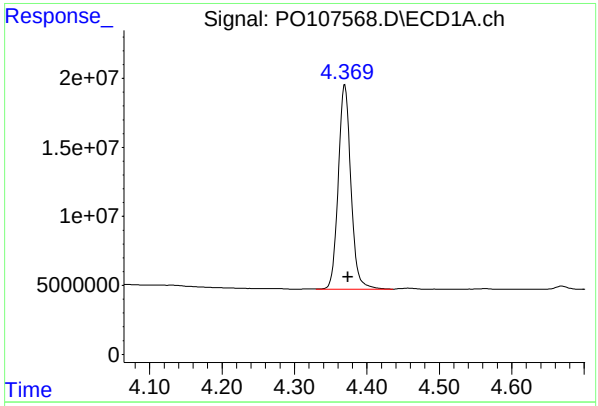
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:11:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



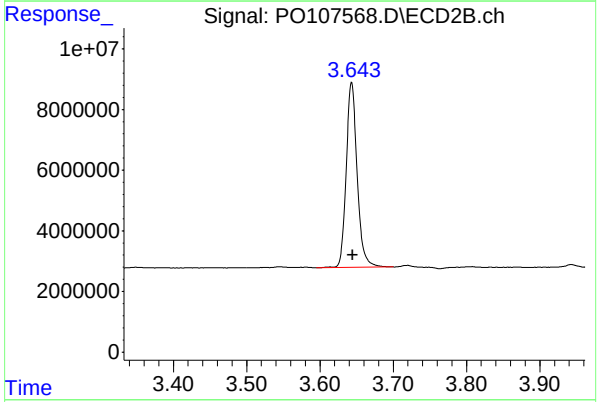




#1 Tetrachloro-m-xylene

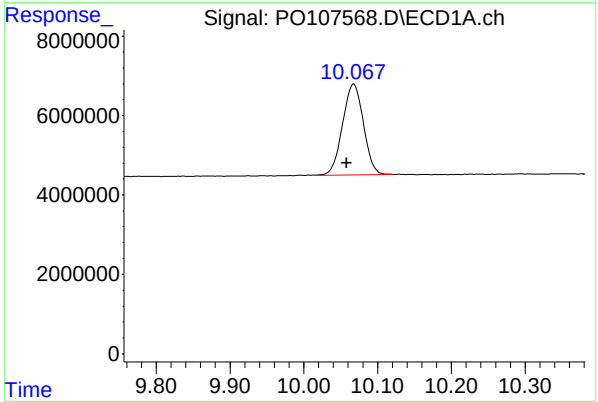
R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 179391623
Conc: 19.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



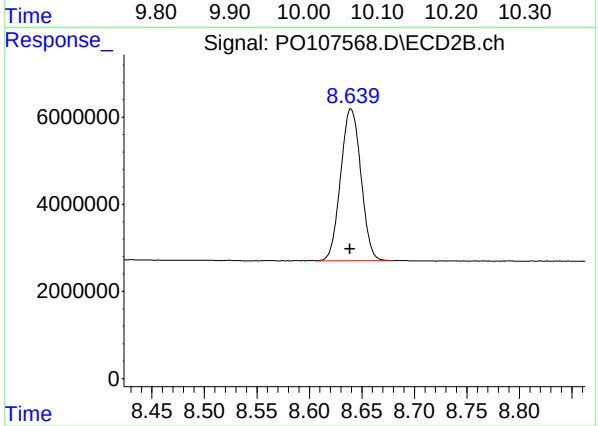
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 63178128
Conc: 19.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 44993635
Conc: 18.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 46758892
Conc: 17.06 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/31/24
Project:	RFP 872	Date Received:	10/31/24
Client Sample ID:	PIBLK-PO107580.D	SDG No.:	P4620
Lab Sample ID:	I.BLK-PO107580.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107580.D	1		10/31/24	PO103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 140	97%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 21:59
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: Oct 31 23:18:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.371	3.644	182.3E6	63095501	20.007	19.604
2)	SA Decachlor...	10.069	8.640	47535292	54305314	19.375	19.808
	Target Compounds						

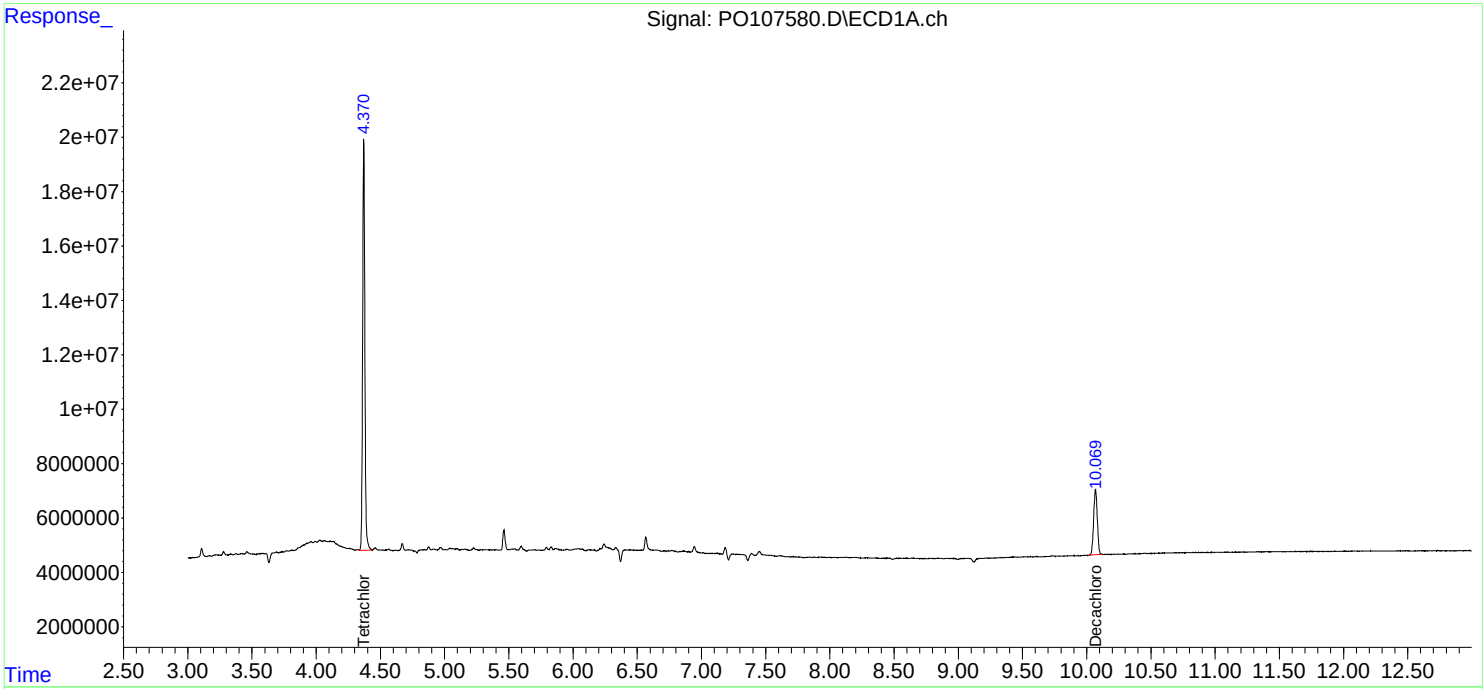
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

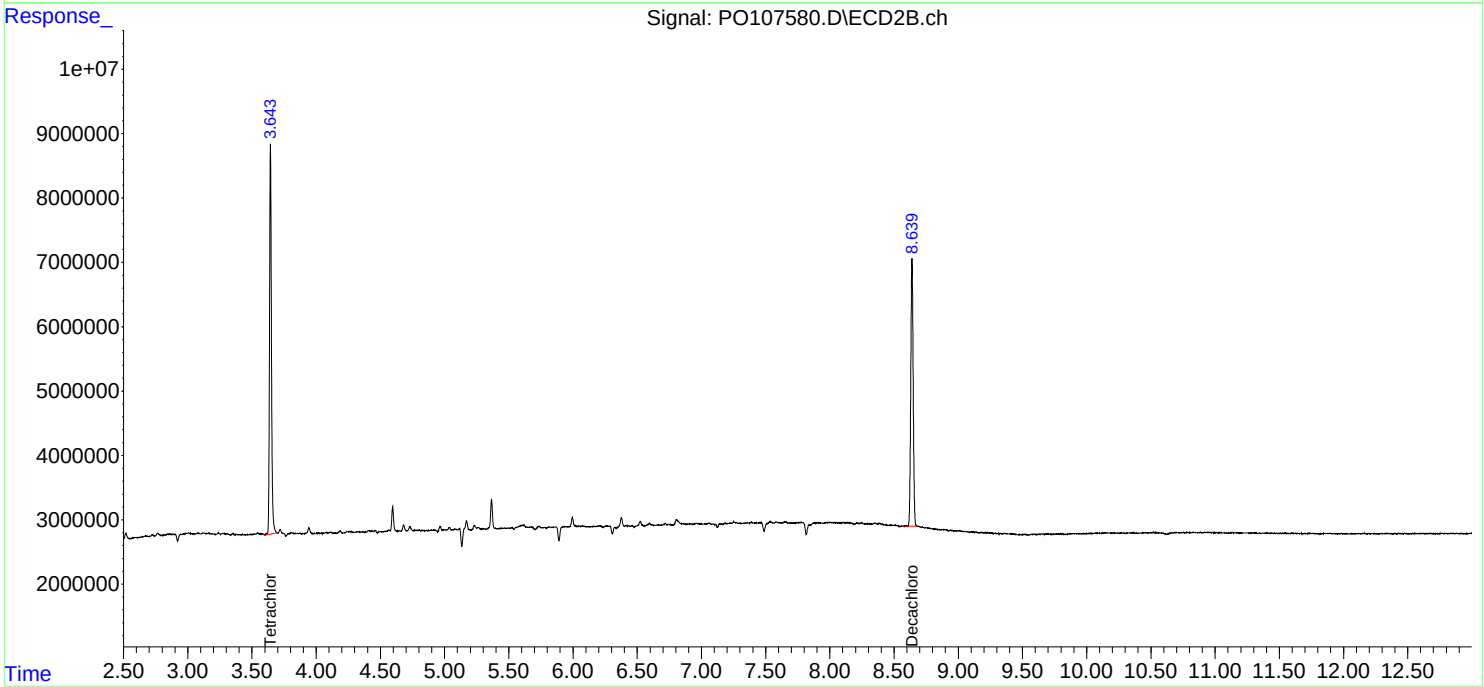
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 21:59
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

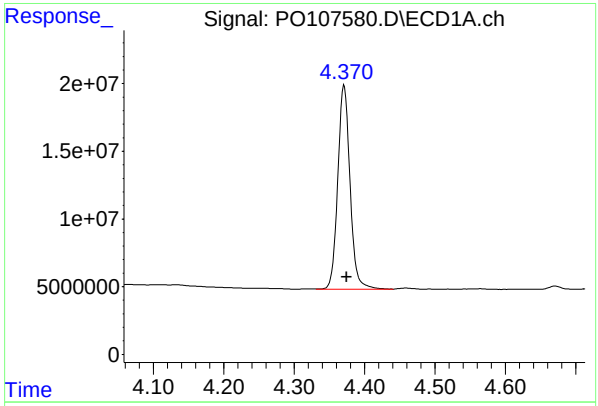
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:18:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



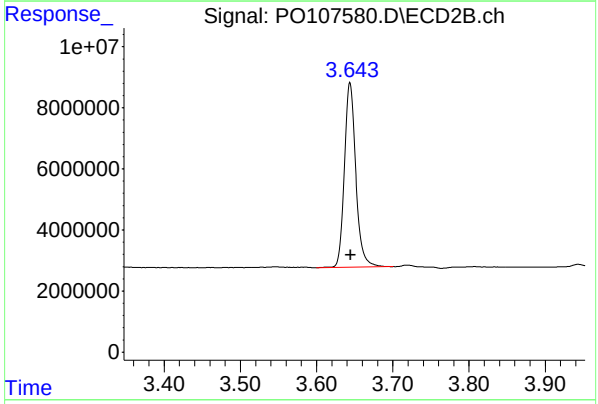




#1 Tetrachloro-m-xylene

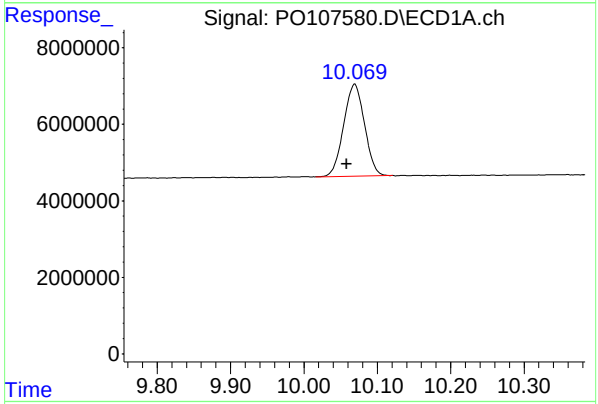
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 182340613
Conc: 20.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



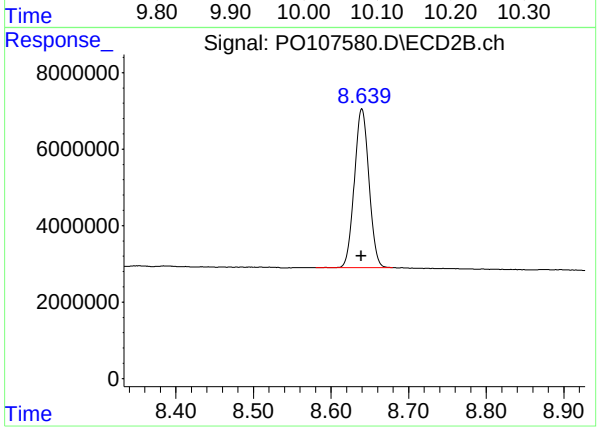
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 63095501
Conc: 19.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.069 min
Delta R.T.: 0.011 min
Response: 47535292
Conc: 19.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 54305314
Conc: 19.81 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/24
Project:	RFP 872	Date Received:	10/08/24
Client Sample ID:	PIBLK-PP067586.D	SDG No.:	P4620
Lab Sample ID:	I.BLK-PP067586.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067586.D	1		10/08/24	pp100824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		60 - 140	117%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.754	4.052	19509395	22280537	21.077	22.051
2)	SA Decachlor...	10.665	9.218	27200282	26328613	23.626	23.477
	Target Compounds						

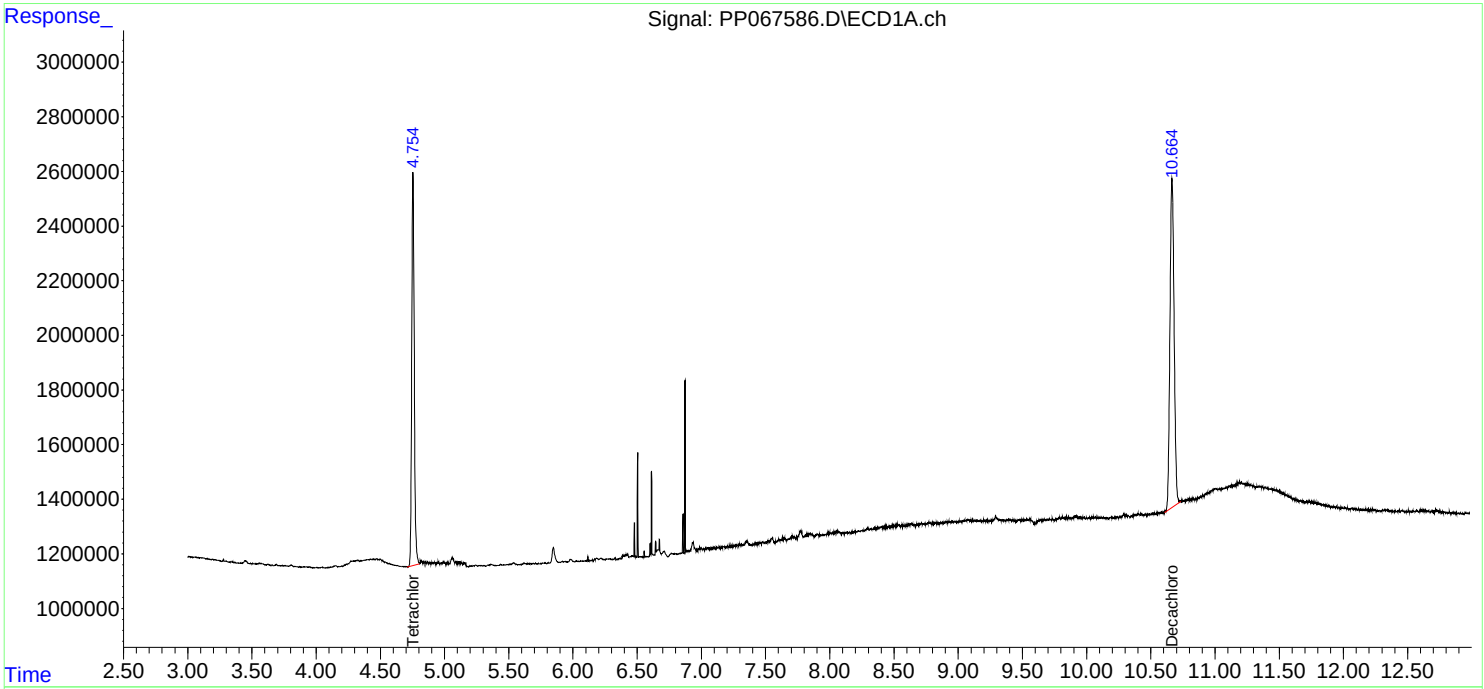
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

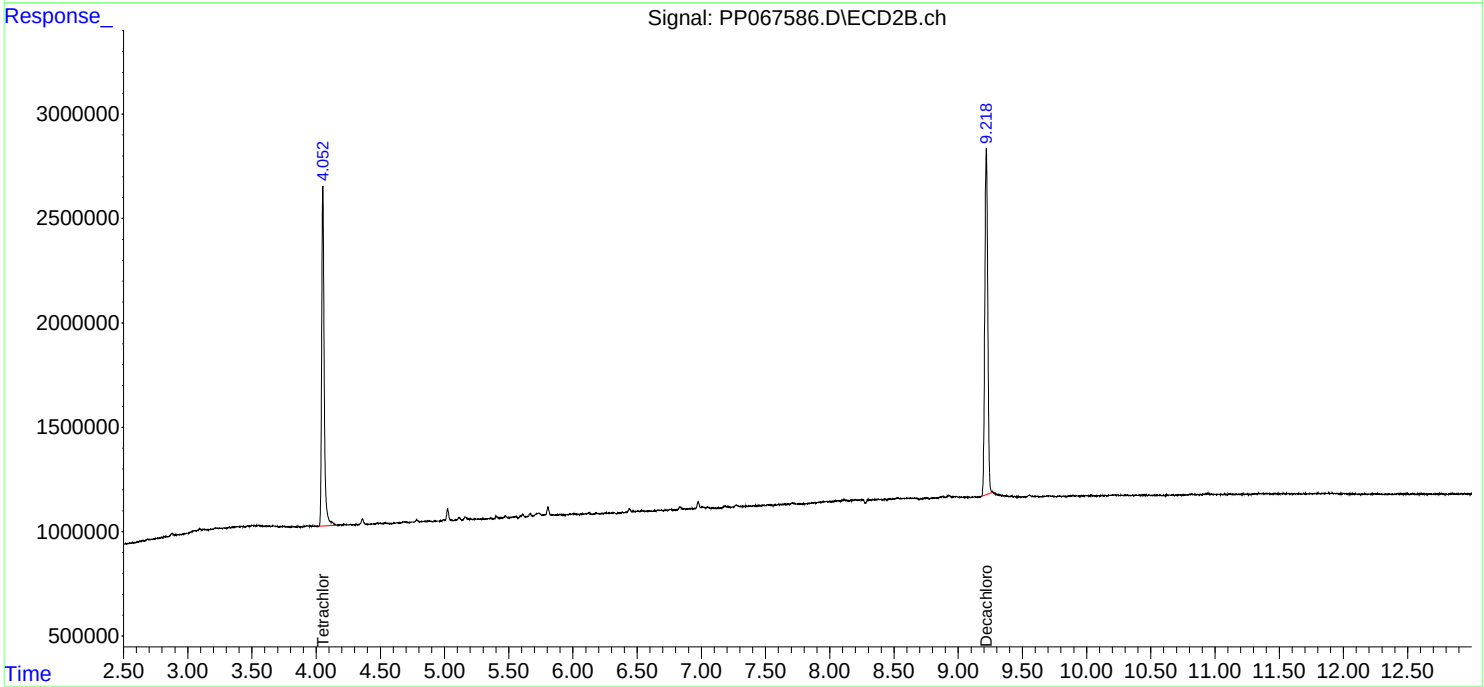
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

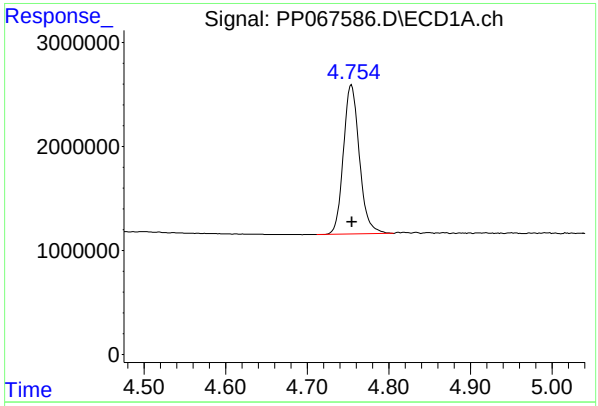
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



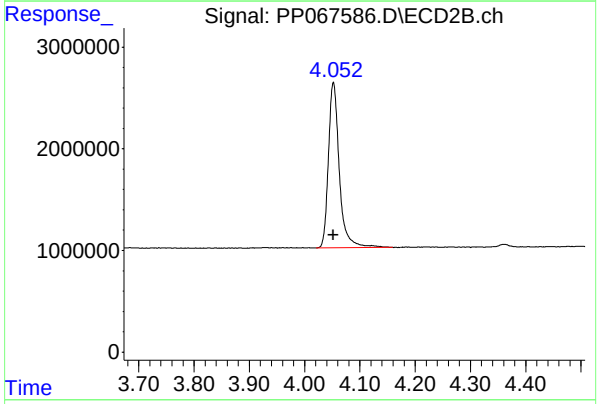




#1 Tetrachloro-m-xylene

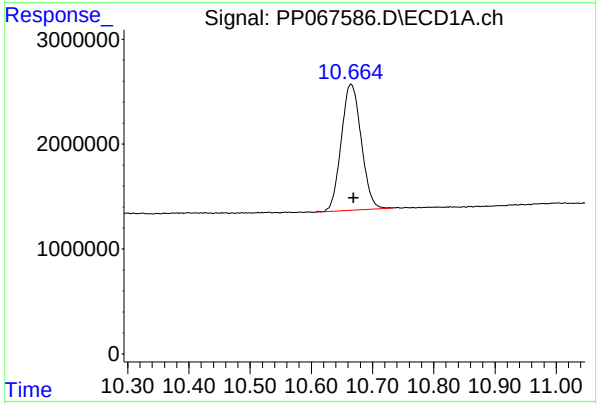
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19509395
Conc: 21.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



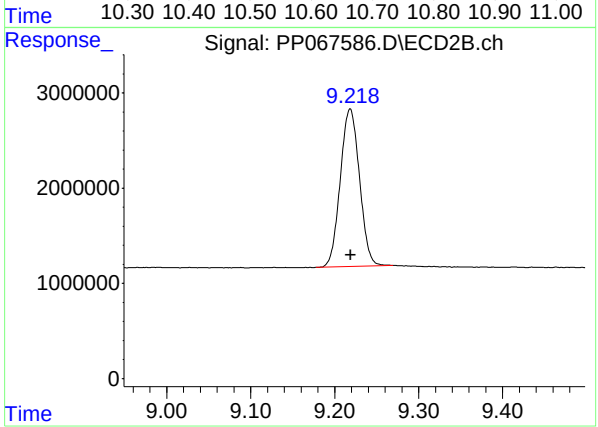
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 22280537
Conc: 22.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: -0.004 min
Response: 27200282
Conc: 23.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 26328613
Conc: 23.48 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/31/24
Project:	RFP 872	Date Received:	10/31/24
Client Sample ID:	PIBLK-PP068322.D	SDG No.:	P4620
Lab Sample ID:	I.BLK-PP068322.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068322.D	1		10/31/24	PP103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.5		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		60 - 140	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.763	4.052	17020627	16711456	18.388	16.539
2)	SA Decachlor...	10.677	9.211	22057634	20649294	19.159	18.413
	Target Compounds						

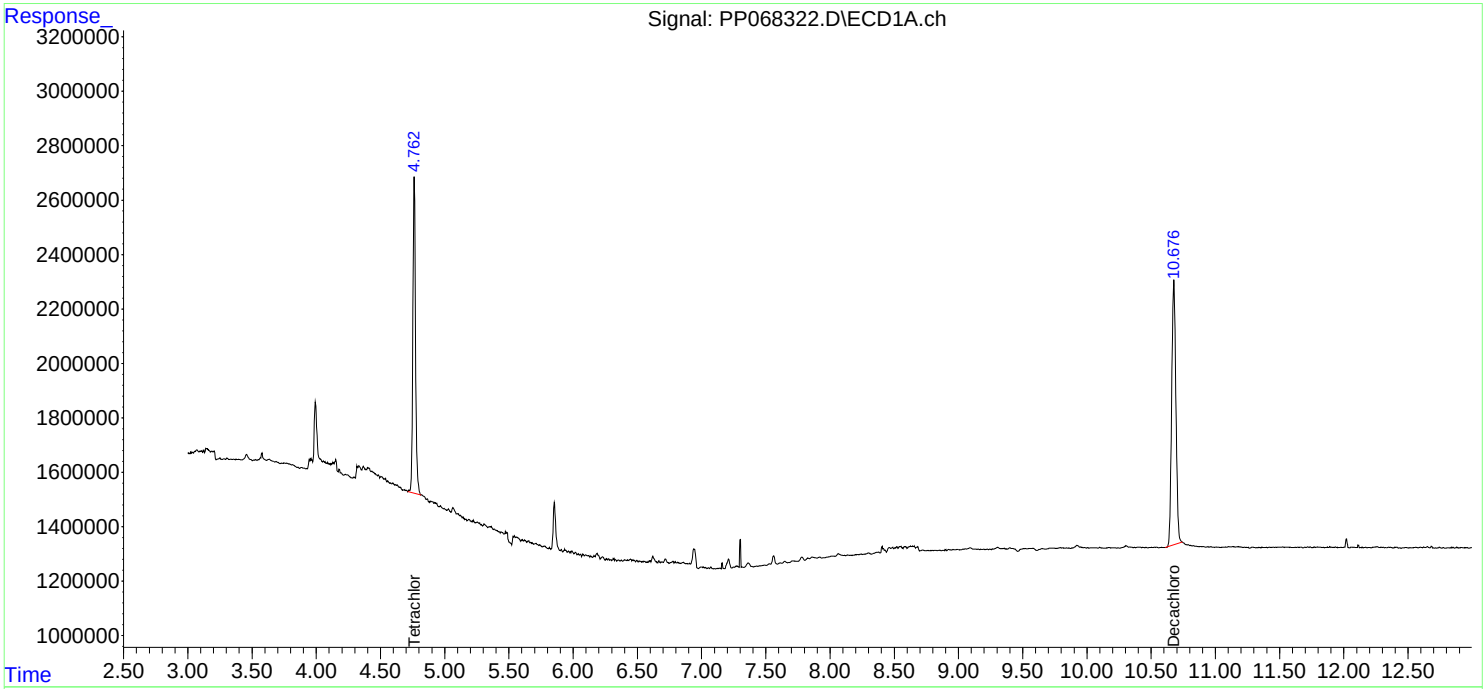
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

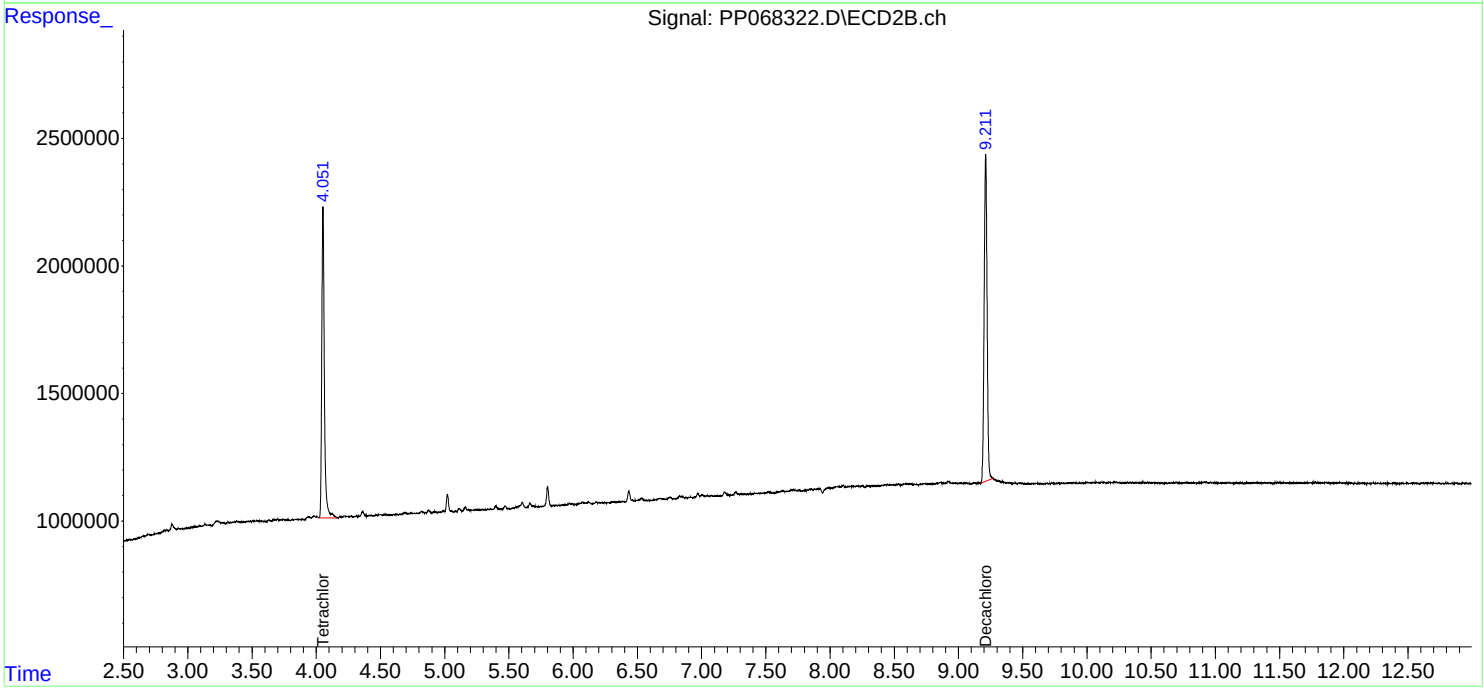
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

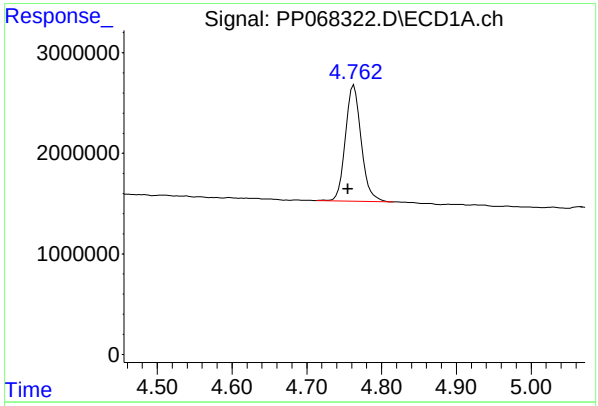
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



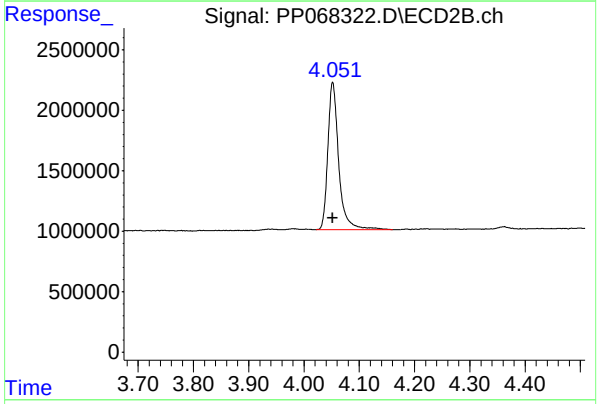




#1 Tetrachloro-m-xylene

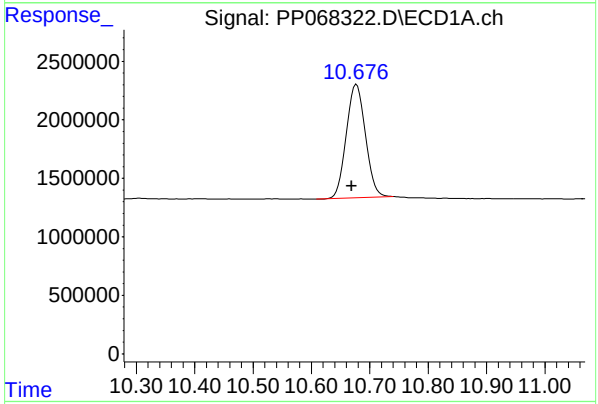
R.T.: 4.763 min
Delta R.T.: 0.008 min
Response: 17020627
Conc: 18.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



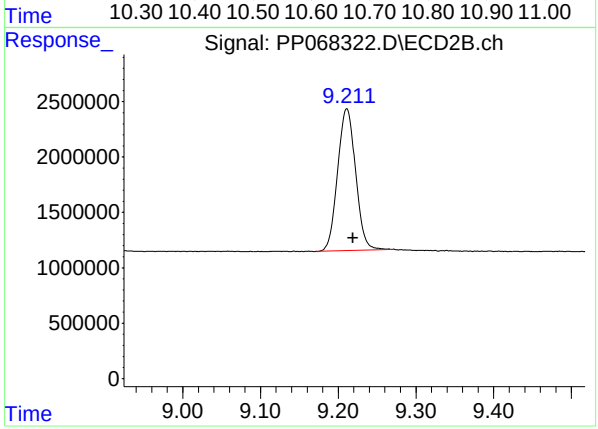
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 16711456
Conc: 16.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 22057634
Conc: 19.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 20649294
Conc: 18.41 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/31/24
Project:	RFP 872	Date Received:	10/31/24
Client Sample ID:	PIBLK-PP068337.D	SDG No.:	P4620
Lab Sample ID:	I.BLK-PP068337.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068337.D	1		10/31/24	PP103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.5		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		60 - 140	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:50:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.756	4.052	17196611	16663392	18.578m	16.492
2)	SA Decachlor...	10.670	9.211	22643677	20741316	19.668	18.495
	Target Compounds						

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

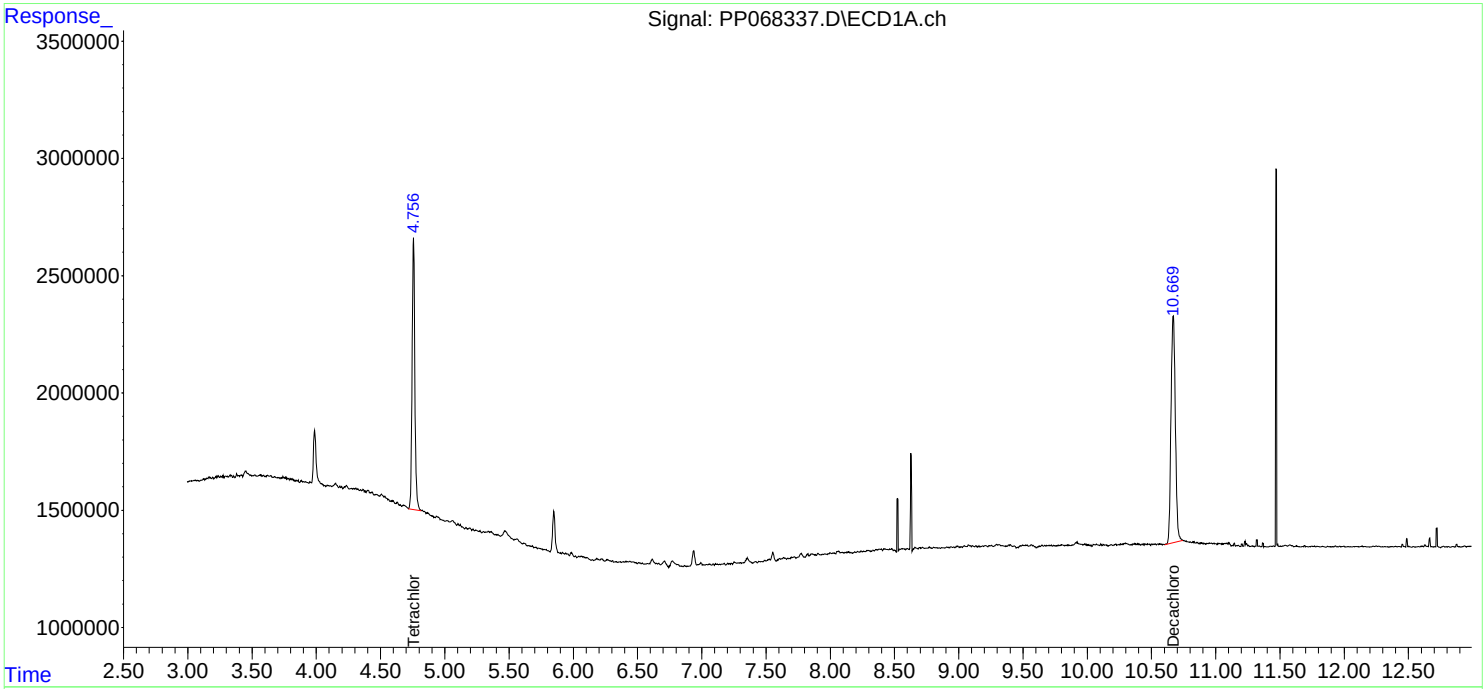
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

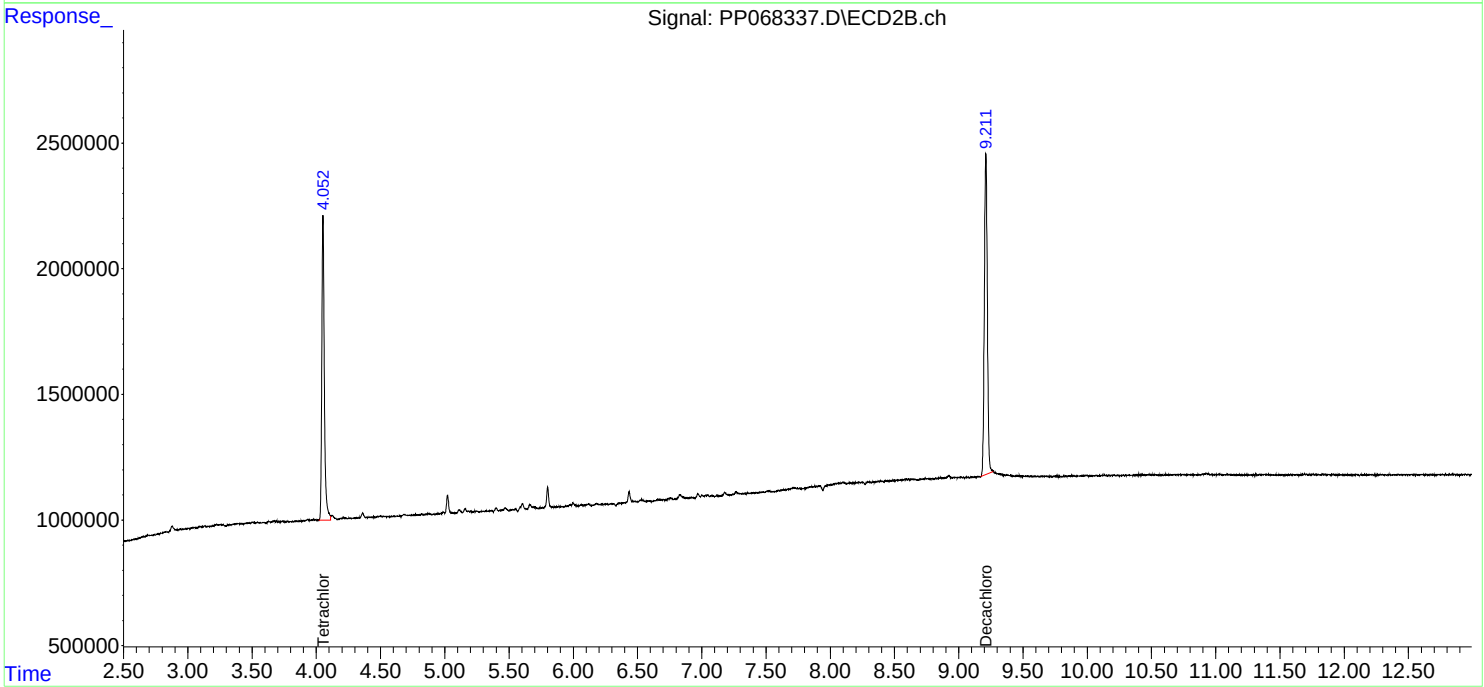
Instrument :
ECD_P
ClientSampleId :
I.BLK

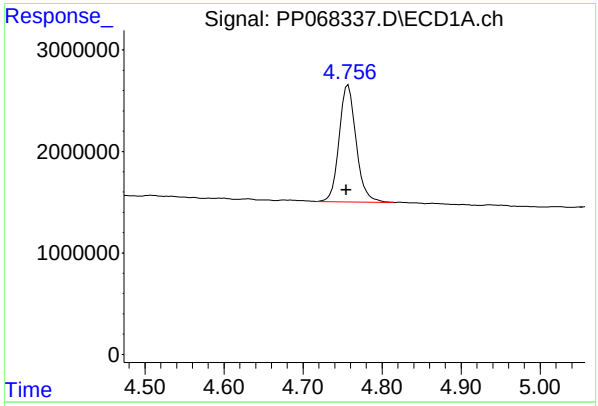
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:50:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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







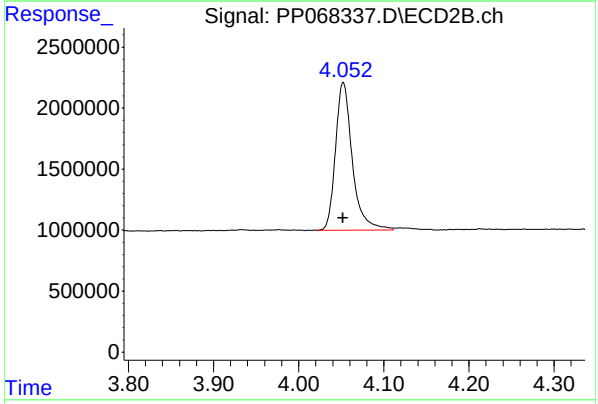
#1 Tetrachloro-m-xylene

R.T.: 4.756 min
Delta R.T.: 0.000 min
Response: 17196611
Conc: 18.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

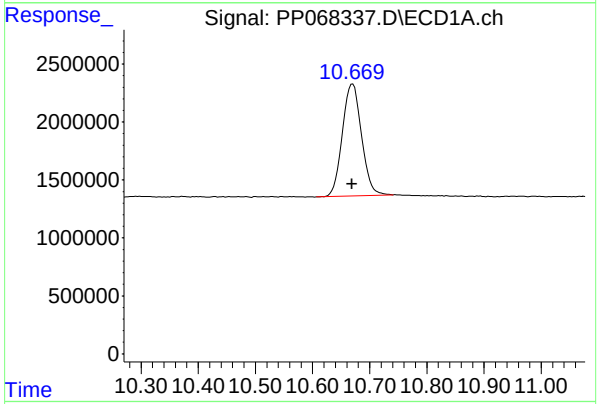
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



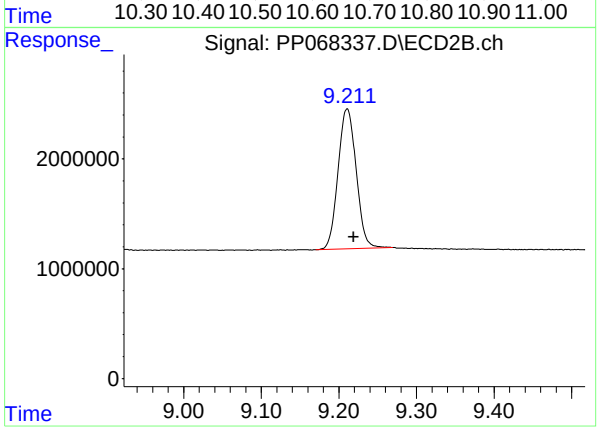
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 16663392
Conc: 16.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.001 min
Response: 22643677
Conc: 19.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 20741316
Conc: 18.49 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 872	Date Received:	
Client Sample ID:	PB164566BS	SDG No.:	P4620
Lab Sample ID:	PB164566BS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068324.D	1	10/31/24 10:30	10/31/24 15:55	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.30		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.10		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		10 - 157	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		10 - 173	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:55
Operator : YP\AJ
Sample : PB164566BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164566BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:41:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.760	4.052	18941242	19190003	20.463	18.992
2)	SA Decachlor...	10.675	9.211	25868698	24089971	22.469	21.481
	Target Compounds						
3)	L1 AR-1016-1	5.924	5.159	14672155	13705740	443.714	391.735
4)	L1 AR-1016-2	5.946	5.179	21924497	19334416	449.541	401.391
5)	L1 AR-1016-3	6.010	5.360	13757891	10814540	436.593	401.468
6)	L1 AR-1016-4	6.108	5.399	10926048	9650715	424.417	400.692
7)	L1 AR-1016-5	6.402	5.618	10951497	11927993	404.608	392.241
31)	L7 AR-1260-1	7.526	6.661	23406221	23645063	433.258	415.103
32)	L7 AR-1260-2	7.779	6.847	27247718	27855252	430.652	417.593
33)	L7 AR-1260-3	8.140	7.004	19725174	26425863	380.436	414.841m
34)	L7 AR-1260-4	8.377	7.479	24129011	20381302	400.851	368.607
35)	L7 AR-1260-5	8.716	7.717	41880431	44795672	388.818	366.281

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:55
Operator : YP\AJ
Sample : PB164566BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164566BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
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Integration File signal 1: autoint1.e
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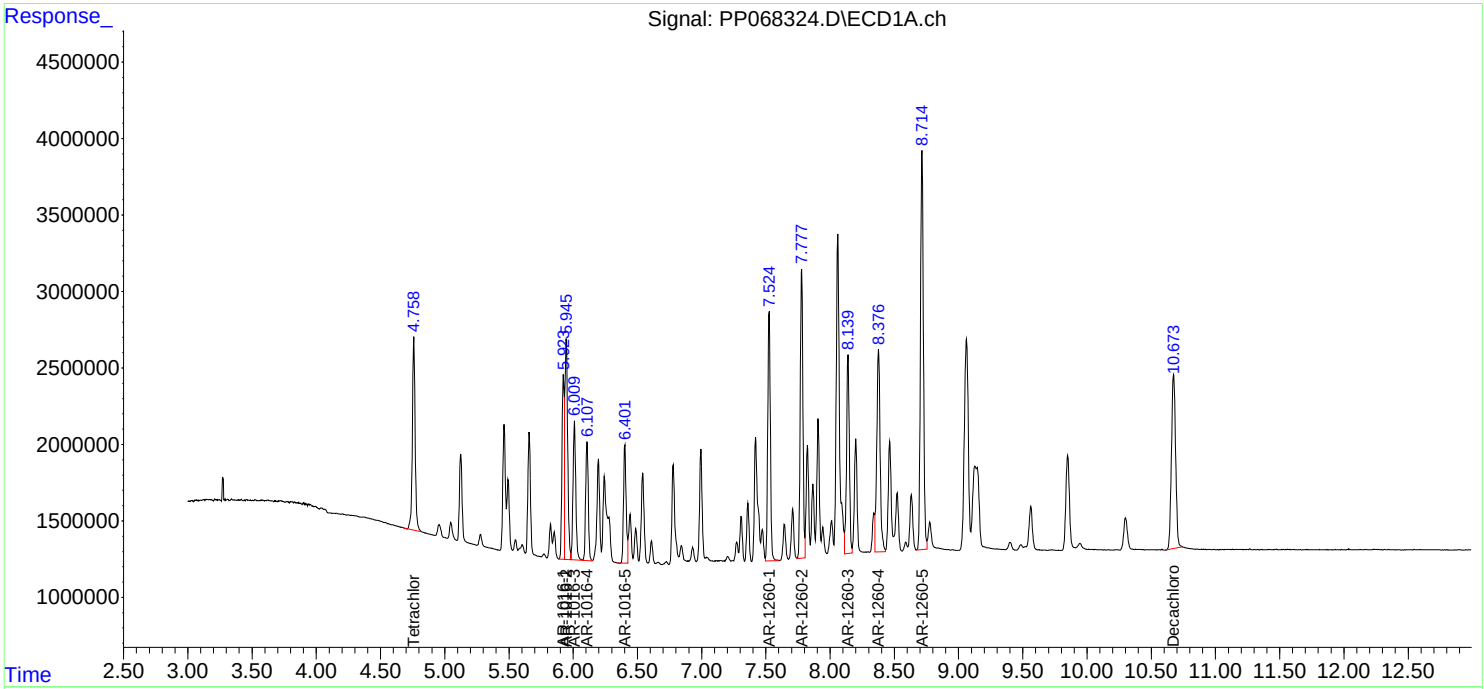
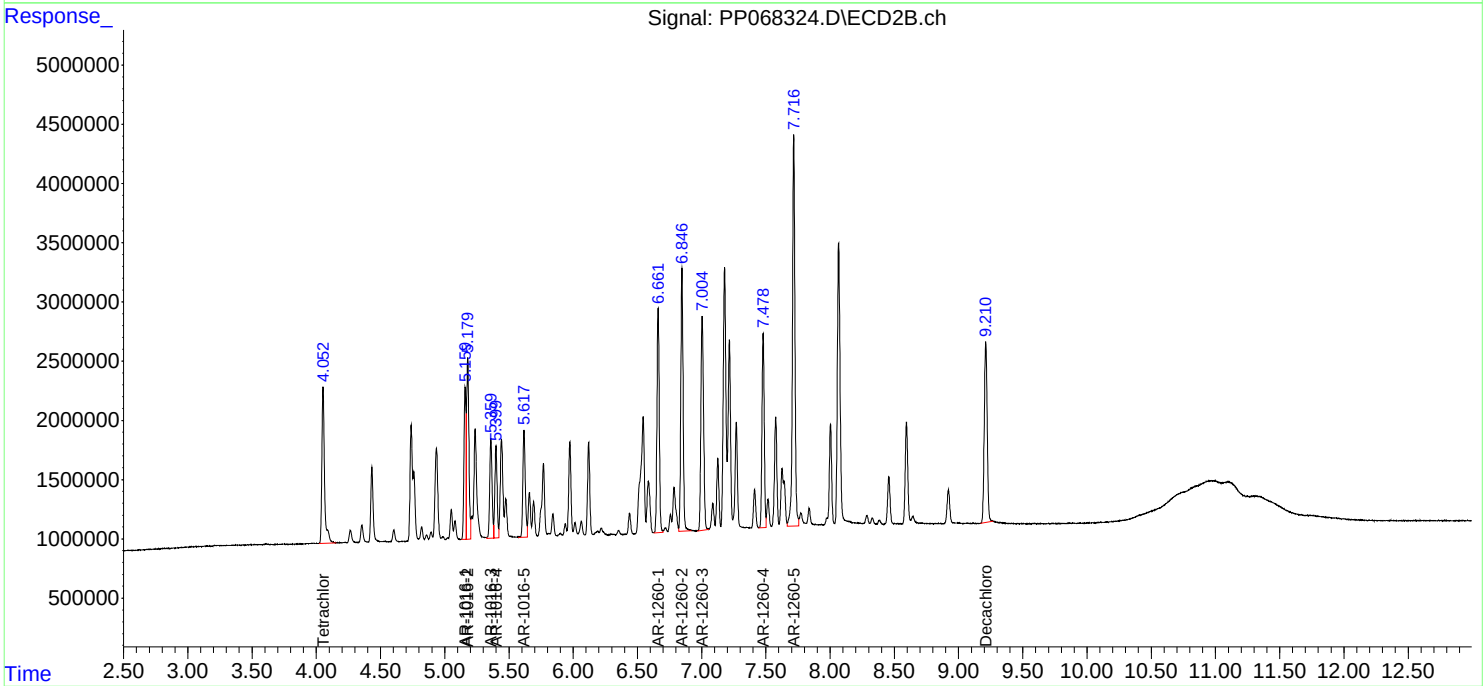
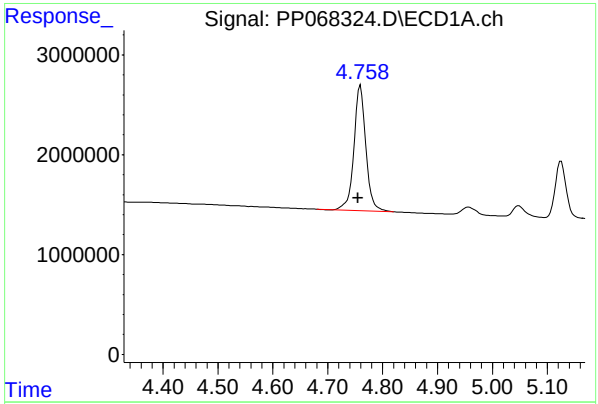
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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







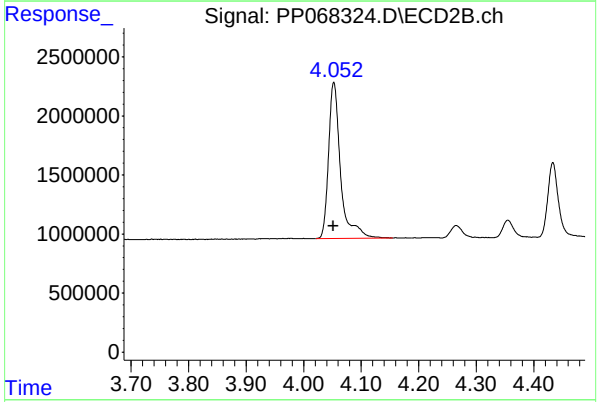
#1 Tetrachloro-m-xylene

R.T.: 4.760 min
Delta R.T.: 0.005 min
Response: 18941242
Conc: 20.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BS

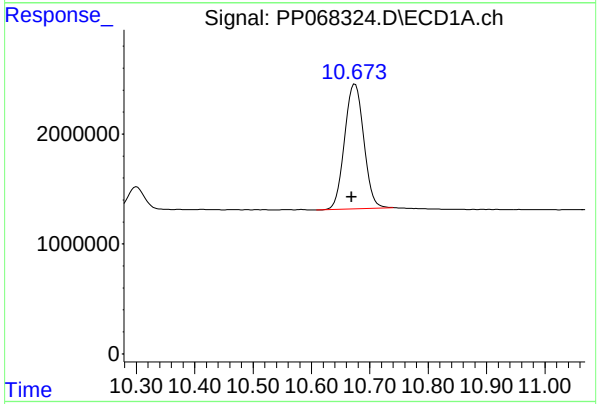
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



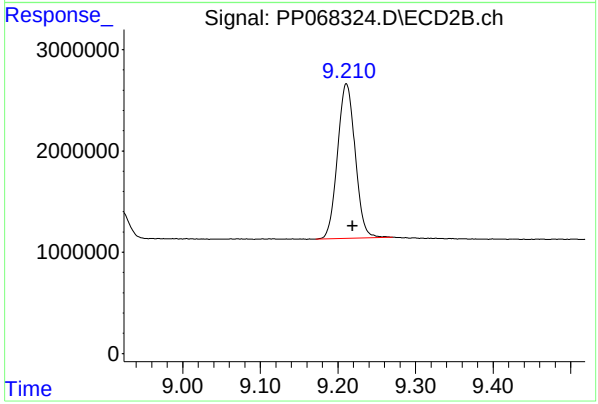
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 19190003
Conc: 18.99 ng/ml



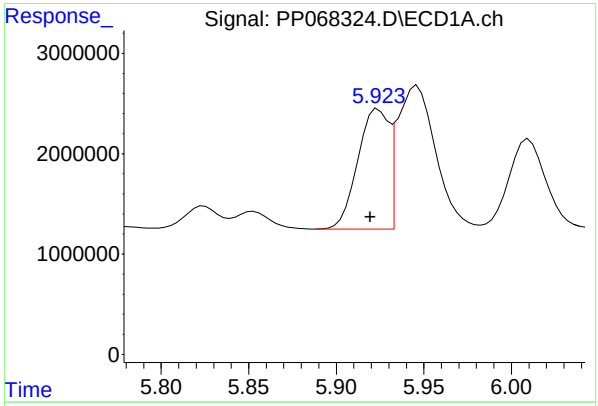
#2 Decachlorobiphenyl

R.T.: 10.675 min
Delta R.T.: 0.006 min
Response: 25868698
Conc: 22.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 24089971
Conc: 21.48 ng/ml



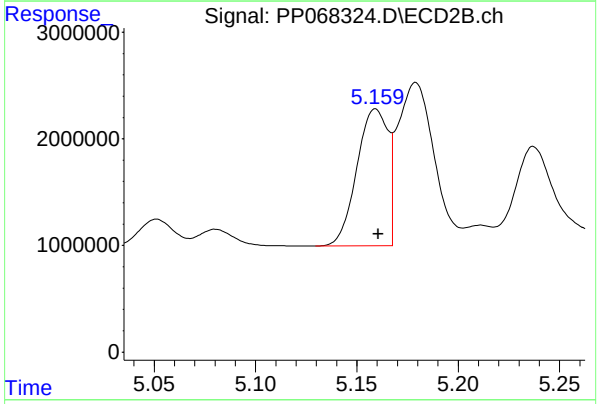
#3 AR-1016-1

R.T.: 5.924 min
Delta R.T.: 0.005 min
Response: 14672155
Conc: 443.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BS

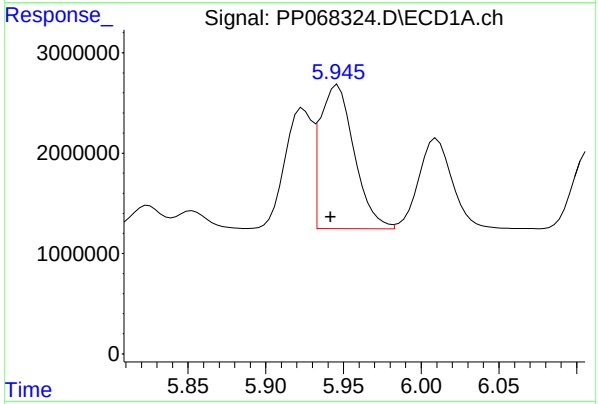
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



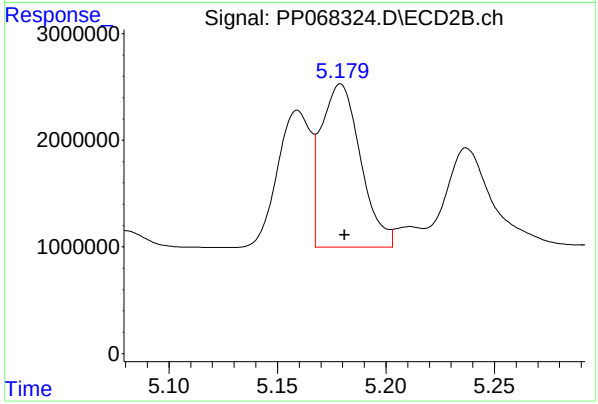
#3 AR-1016-1

R.T.: 5.159 min
Delta R.T.: -0.001 min
Response: 13705740
Conc: 391.74 ng/ml



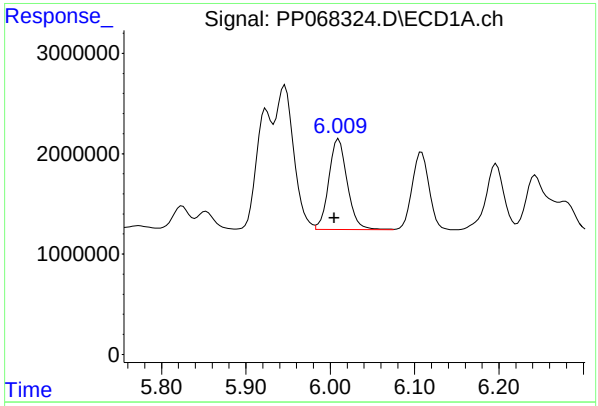
#4 AR-1016-2

R.T.: 5.946 min
Delta R.T.: 0.004 min
Response: 21924497
Conc: 449.54 ng/ml



#4 AR-1016-2

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 19334416
Conc: 401.39 ng/ml



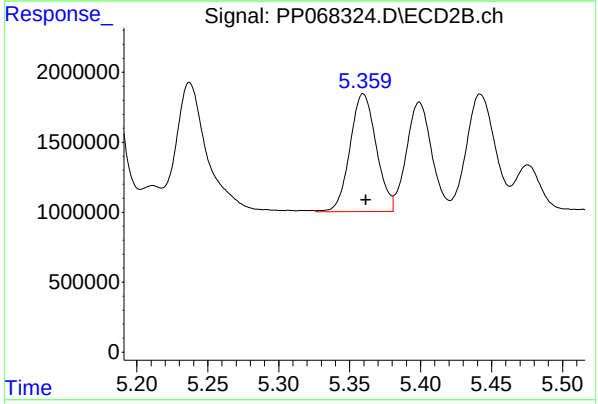
#5 AR-1016-3

R.T.: 6.010 min
Delta R.T.: 0.005 min
Response: 13757891
Conc: 436.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BS

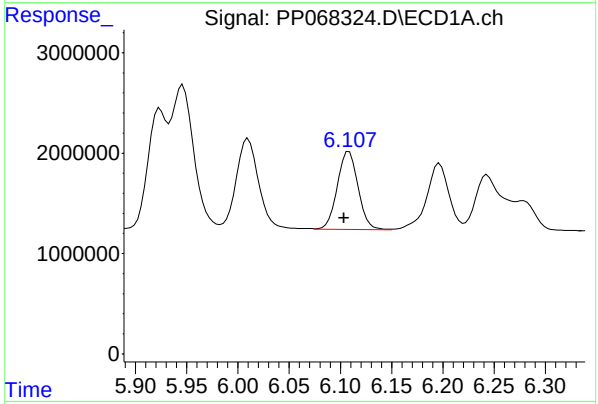
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



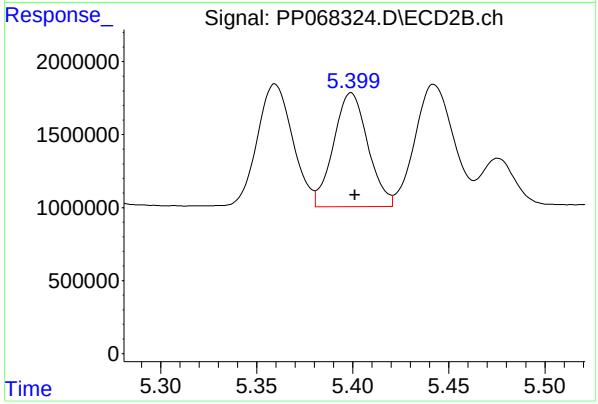
#5 AR-1016-3

R.T.: 5.360 min
Delta R.T.: -0.002 min
Response: 10814540
Conc: 401.47 ng/ml



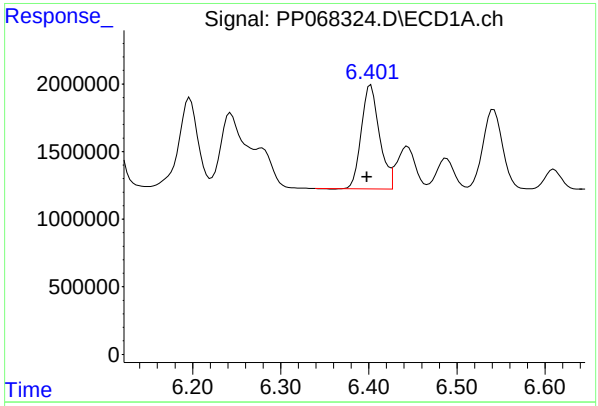
#6 AR-1016-4

R.T.: 6.108 min
Delta R.T.: 0.005 min
Response: 10926048
Conc: 424.42 ng/ml



#6 AR-1016-4

R.T.: 5.399 min
Delta R.T.: -0.002 min
Response: 9650715
Conc: 400.69 ng/ml



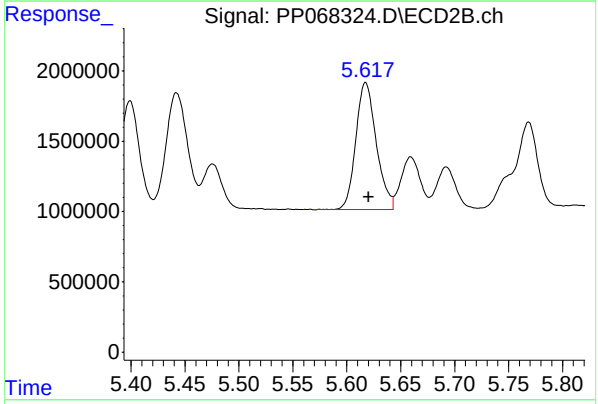
#7 AR-1016-5

R.T.: 6.402 min
Delta R.T.: 0.004 min
Response: 10951497
Conc: 404.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BS

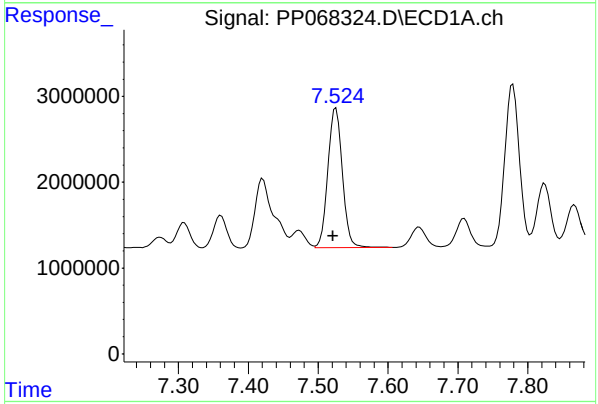
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



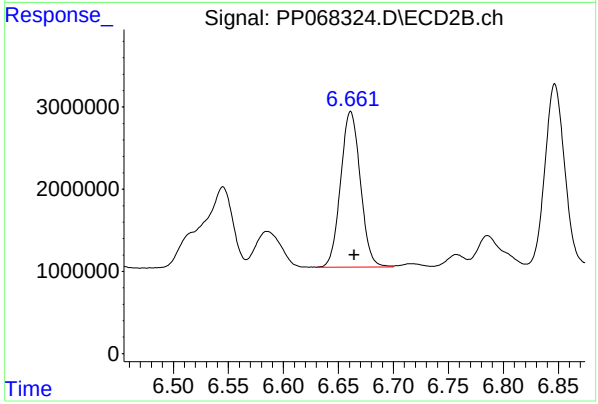
#7 AR-1016-5

R.T.: 5.618 min
Delta R.T.: -0.003 min
Response: 11927993
Conc: 392.24 ng/ml



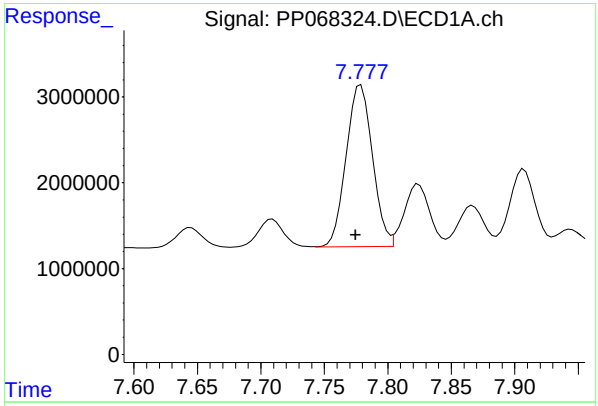
#31 AR-1260-1

R.T.: 7.526 min
Delta R.T.: 0.004 min
Response: 23406221
Conc: 433.26 ng/ml



#31 AR-1260-1

R.T.: 6.661 min
Delta R.T.: -0.003 min
Response: 23645063
Conc: 415.10 ng/ml



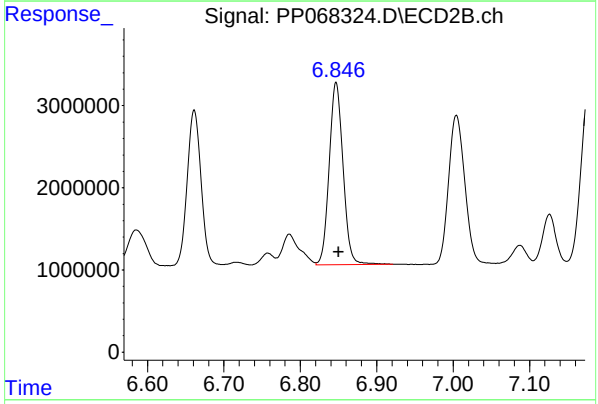
#32 AR-1260-2

R.T.: 7.779 min
Delta R.T.: 0.004 min
Response: 27247718
Conc: 430.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BS

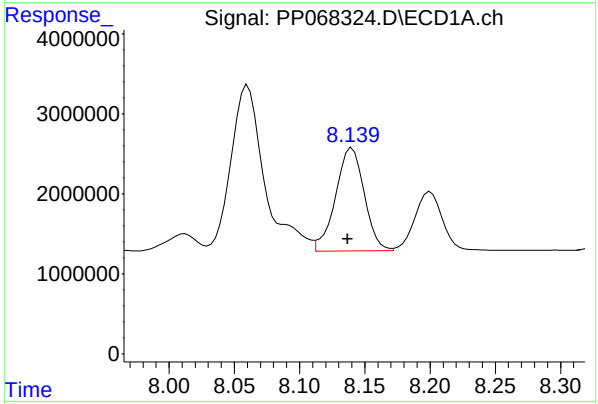
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



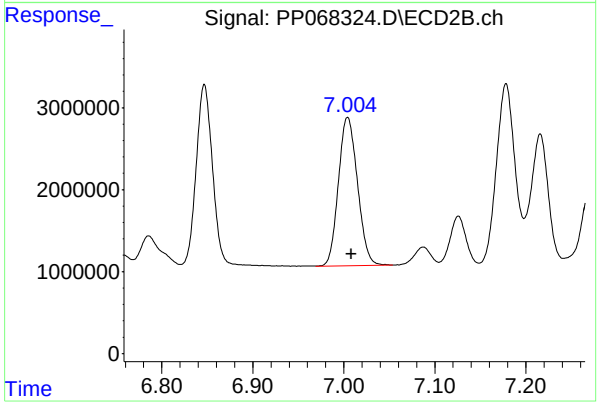
#32 AR-1260-2

R.T.: 6.847 min
Delta R.T.: -0.003 min
Response: 27855252
Conc: 417.59 ng/ml



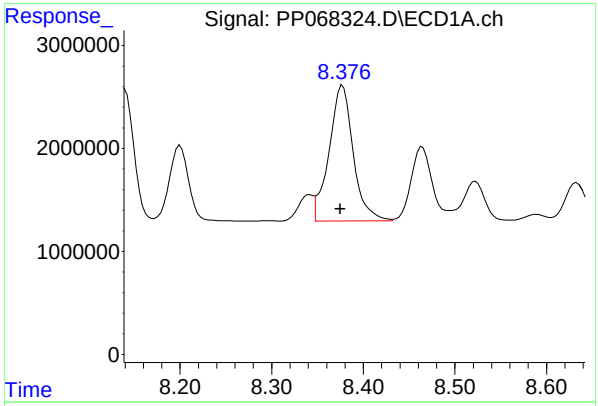
#33 AR-1260-3

R.T.: 8.140 min
Delta R.T.: 0.003 min
Response: 19725174
Conc: 380.44 ng/ml



#33 AR-1260-3

R.T.: 7.004 min
Delta R.T.: -0.004 min
Response: 26425863
Conc: 414.84 ng/ml m



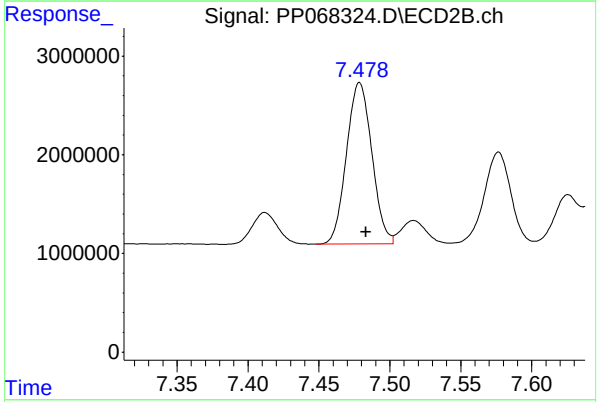
#34 AR-1260-4

R.T.: 8.377 min
Delta R.T.: 0.002 min
Response: 24129011
Conc: 400.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164566BS

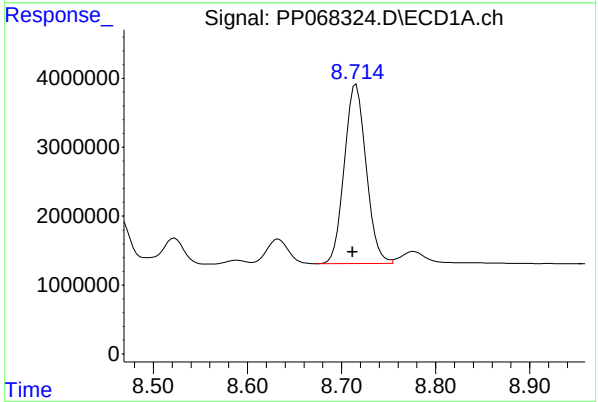
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



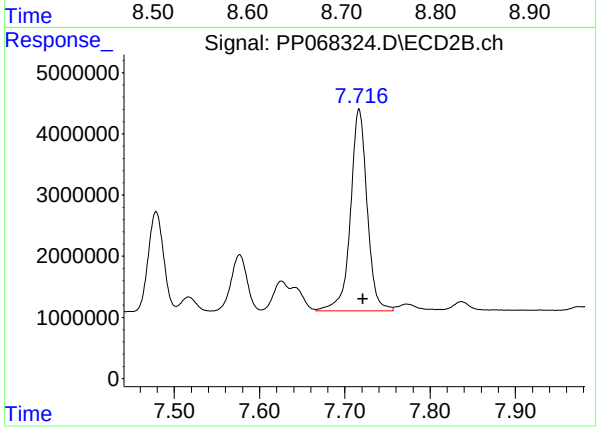
#34 AR-1260-4

R.T.: 7.479 min
Delta R.T.: -0.005 min
Response: 20381302
Conc: 368.61 ng/ml



#35 AR-1260-5

R.T.: 8.716 min
Delta R.T.: 0.004 min
Response: 41880431
Conc: 388.82 ng/ml



#35 AR-1260-5

R.T.: 7.717 min
Delta R.T.: -0.005 min
Response: 44795672
Conc: 366.28 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF16-01MS	SDG No.:	P4620
Lab Sample ID:	P4620-26MS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107573.D	1	10/31/24 10:30	10/31/24 19:36	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.50		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	5.60		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		10 - 157	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		10 - 173	80%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:36
Operator : YP/AJ
Sample : P4620-26MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.370	3.644	193.6E6	65963249	21.242	20.495
2)	SA Decachlor...	10.068	8.640	39324530	42801840	16.029	15.612
	Target Compounds						
3)	L1 AR-1016-1	5.521	4.725	147.7E6	58674962	547.248	568.194
4)	L1 AR-1016-2	5.544	4.743	214.7E6	80004040	540.887	567.534
5)	L1 AR-1016-3	5.606	4.920	135.1E6	44035208	537.935	559.208
6)	L1 AR-1016-4	5.703	4.961	110.0E6	33287046	571.071	503.523
7)	L1 AR-1016-5	5.998	5.174	100.3E6	44413757	549.005	540.748
31)	L7 AR-1260-1	7.126	6.205	134.6E6	89634204	520.505	577.709
32)	L7 AR-1260-2	7.384	6.392	149.5E6	105.4E6	567.964	598.366m
33)	L7 AR-1260-3	7.746	6.545	92745045	99863922	515.981	595.321
34)	L7 AR-1260-4	7.971	7.017	102.0E6	73397445	581.050	507.306
35)	L7 AR-1260-5	8.285	7.258	144.9E6	177.5E6	509.395	538.717

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

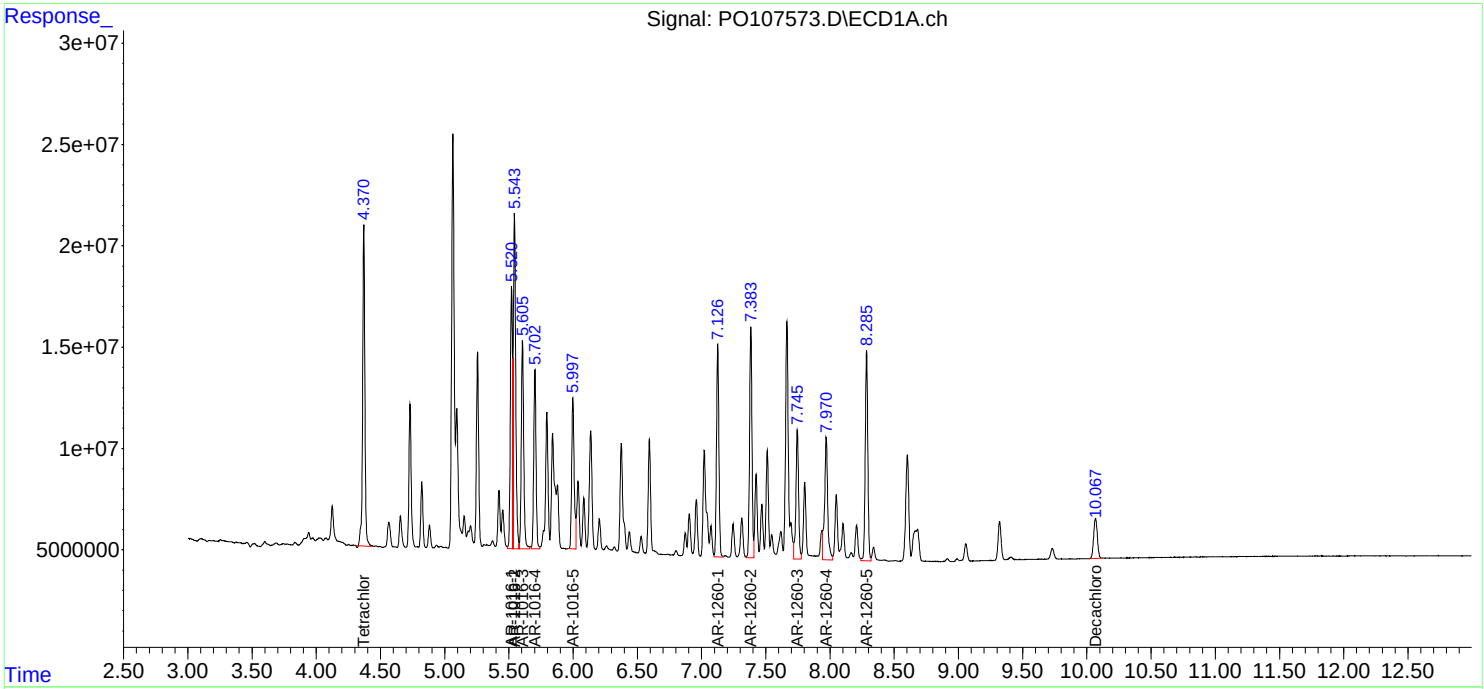
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:36
Operator : YP/AJ
Sample : P4620-26MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

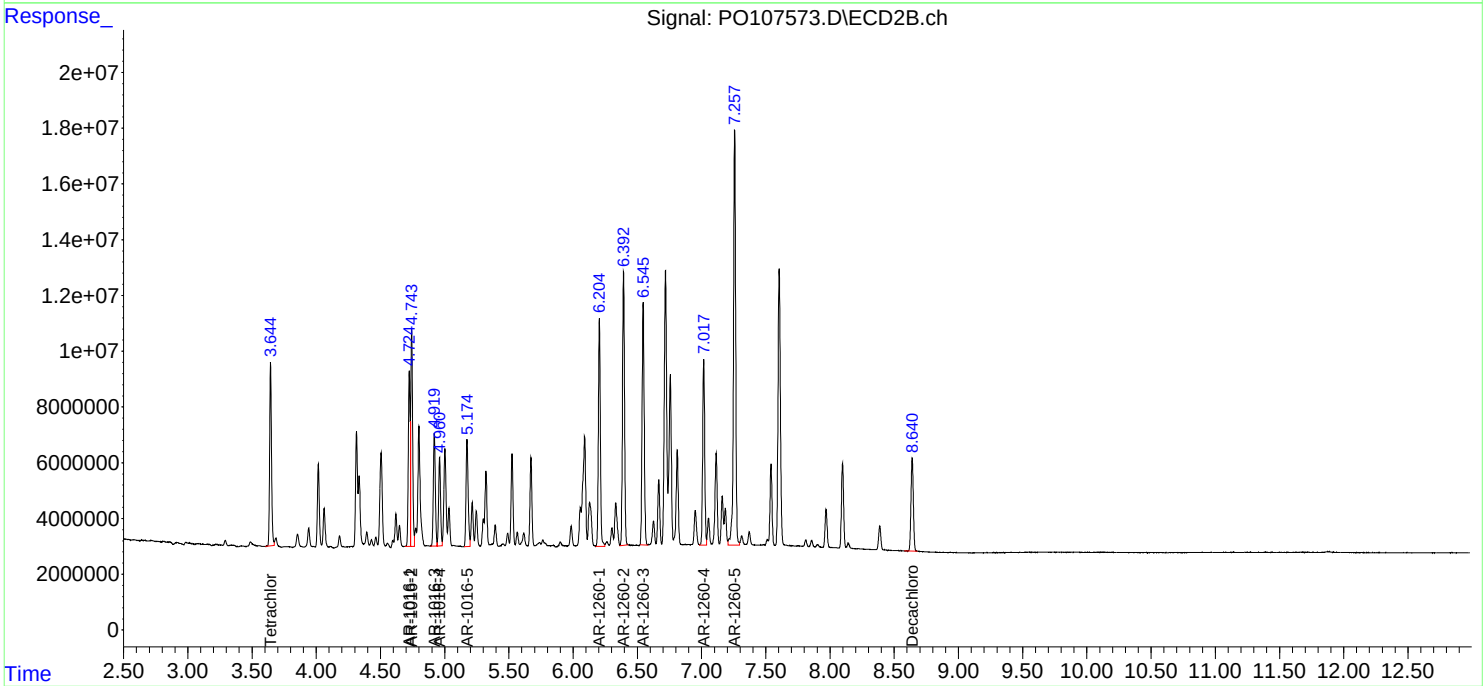
Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

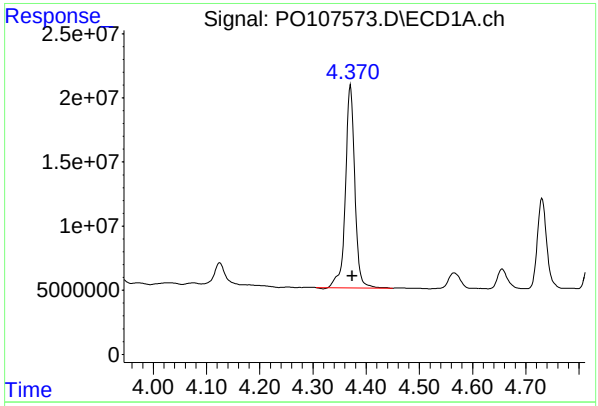
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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







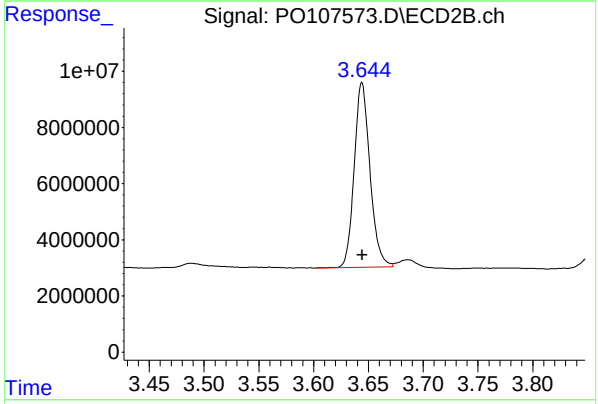
#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.003 min
Response: 193598798
Conc: 21.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

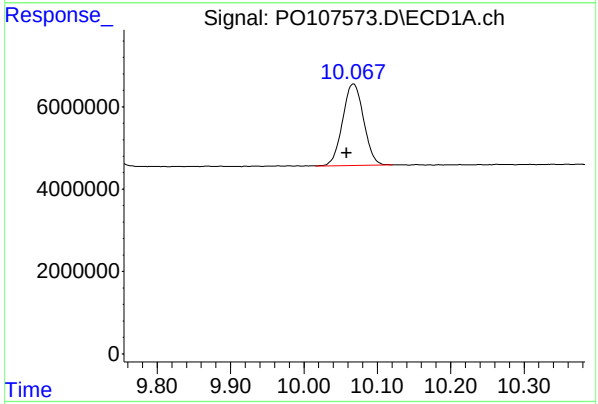
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



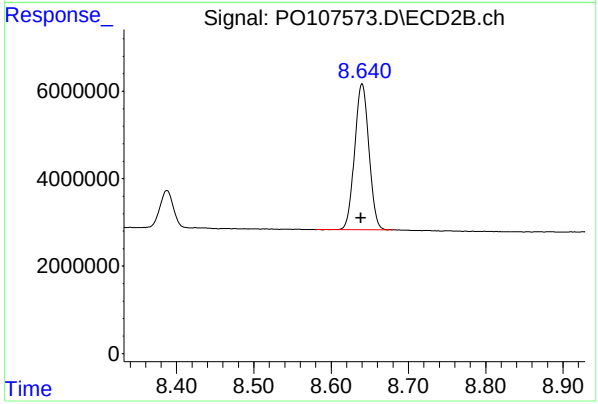
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 65963249
Conc: 20.50 ng/ml



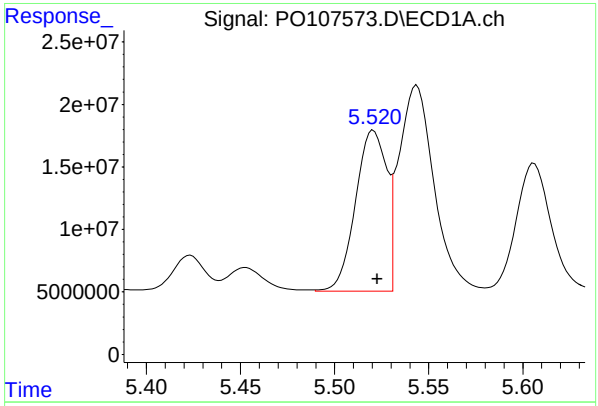
#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 39324530
Conc: 16.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.001 min
Response: 42801840
Conc: 15.61 ng/ml



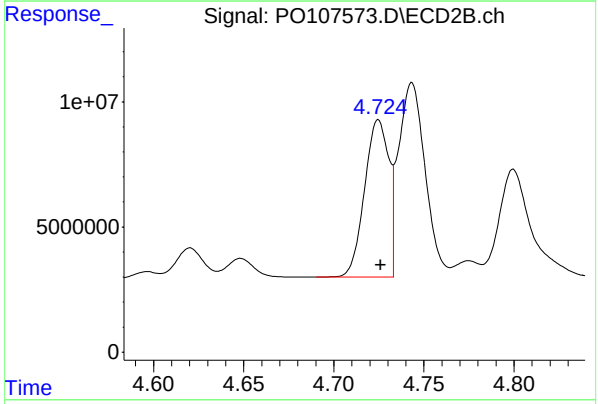
#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 147655210
Conc: 547.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

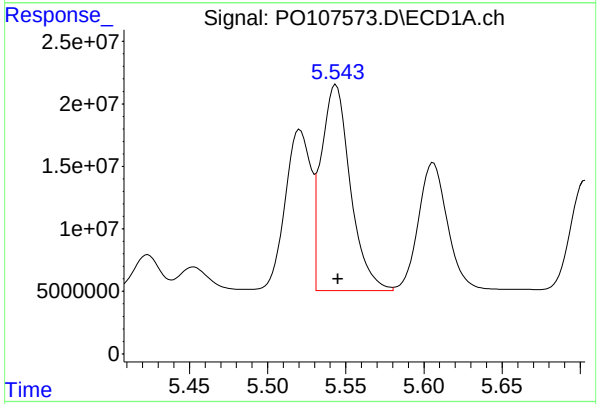
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



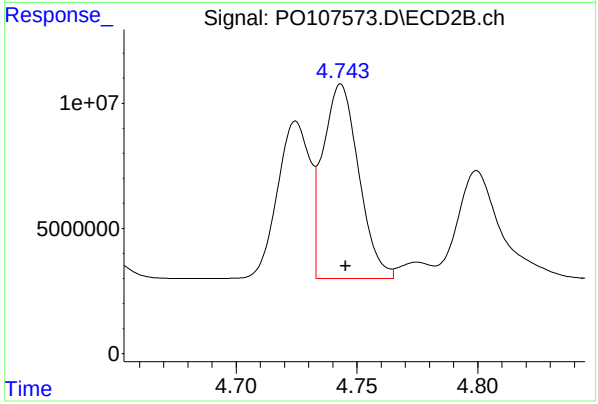
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.001 min
Response: 58674962
Conc: 568.19 ng/ml



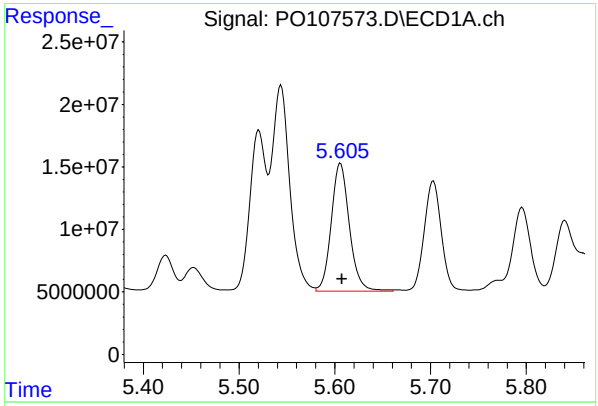
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 214669828
Conc: 540.89 ng/ml



#4 AR-1016-2

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 80004040
Conc: 567.53 ng/ml



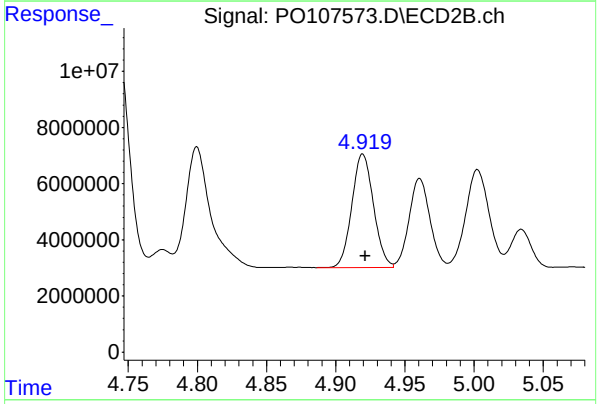
#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 135112813
Conc: 537.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

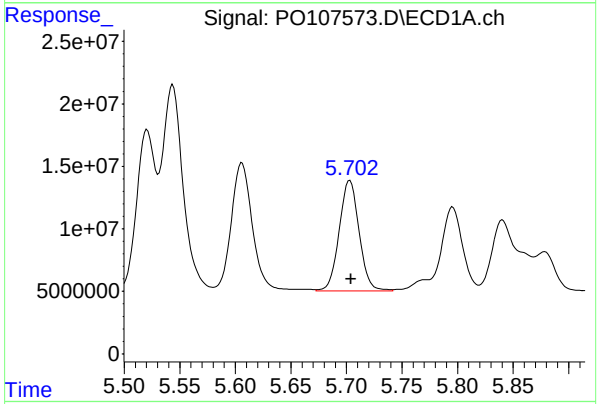
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



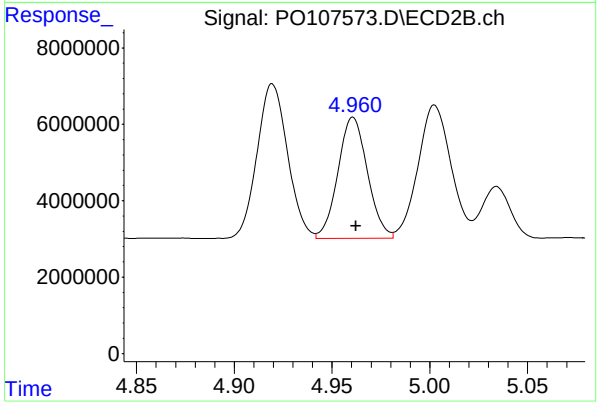
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.002 min
Response: 44035208
Conc: 559.21 ng/ml



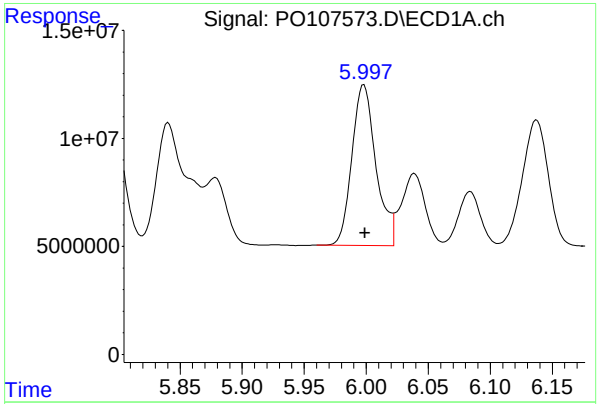
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 109995145
Conc: 571.07 ng/ml



#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: -0.002 min
Response: 33287046
Conc: 503.52 ng/ml



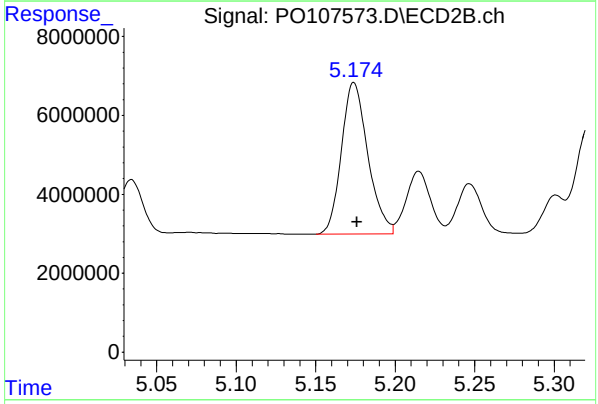
#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 100277688
Conc: 549.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

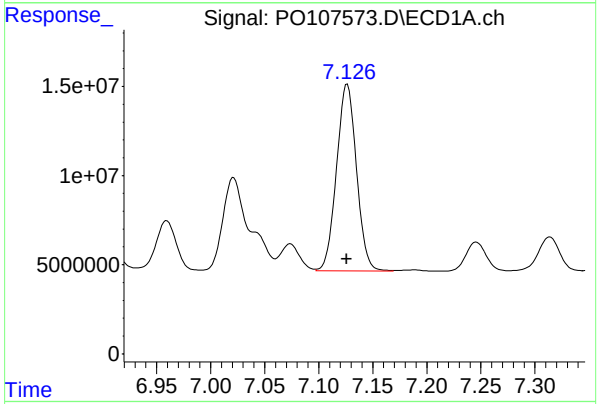
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



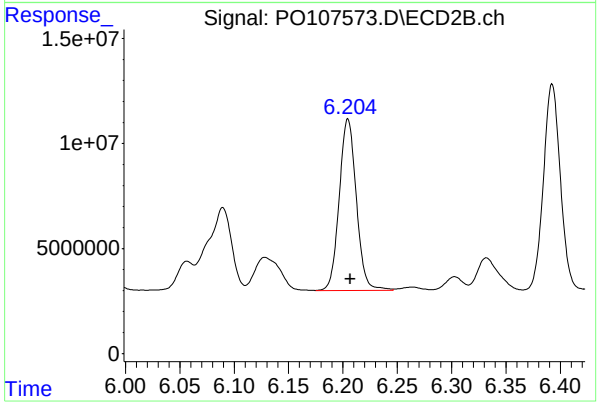
#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 44413757
Conc: 540.75 ng/ml



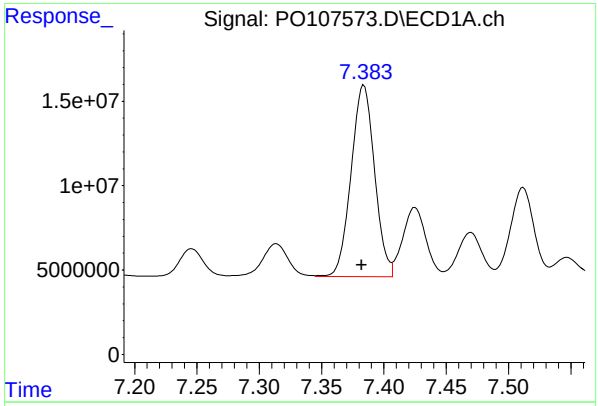
#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 134596646
Conc: 520.51 ng/ml



#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 89634204
Conc: 577.71 ng/ml



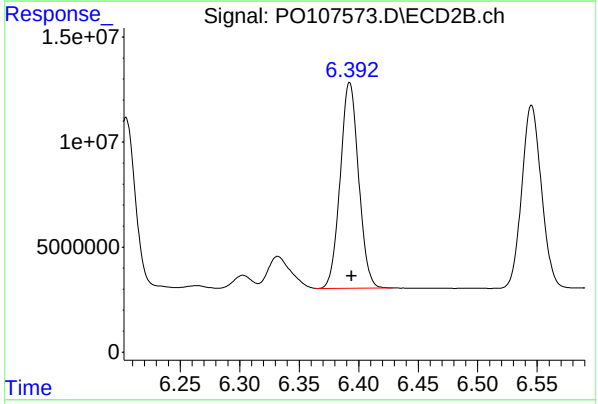
#32 AR-1260-2

R.T.: 7.384 min
Delta R.T.: 0.002 min
Response: 149499590
Conc: 567.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

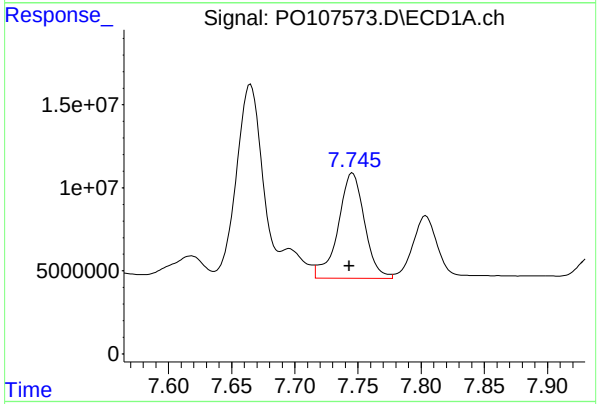
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



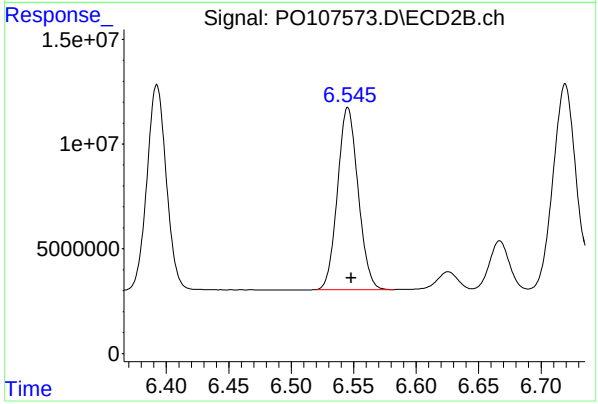
#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: -0.002 min
Response: 105381645
Conc: 598.37 ng/ml m



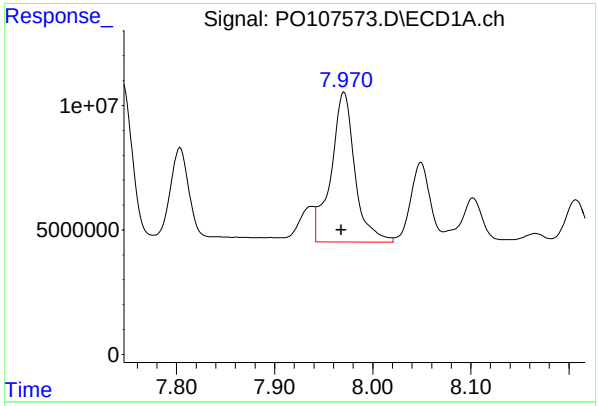
#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 92745045
Conc: 515.98 ng/ml



#33 AR-1260-3

R.T.: 6.545 min
Delta R.T.: -0.003 min
Response: 99863922
Conc: 595.32 ng/ml



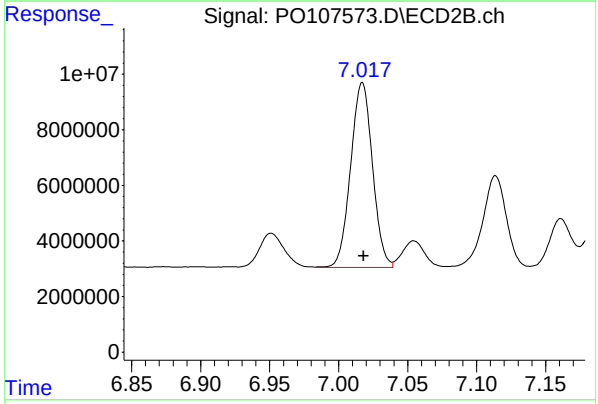
#34 AR-1260-4

R.T.: 7.971 min
Delta R.T.: 0.003 min
Response: 101976539
Conc: 581.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MS

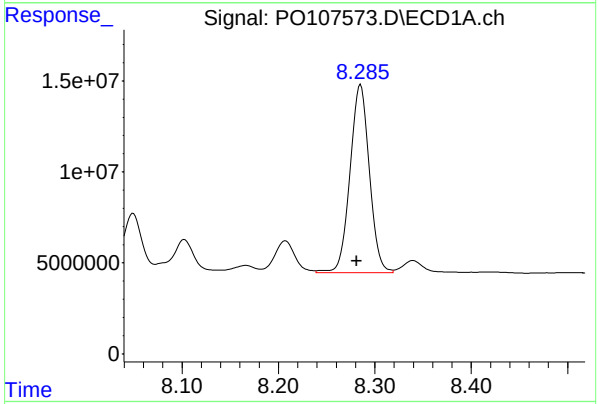
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



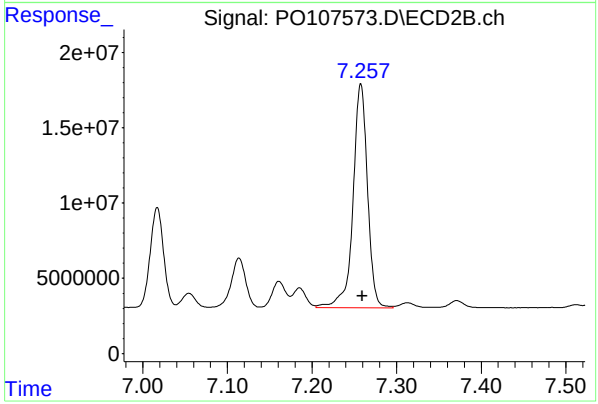
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 73397445
Conc: 507.31 ng/ml



#35 AR-1260-5

R.T.: 8.285 min
Delta R.T.: 0.004 min
Response: 144868720
Conc: 509.39 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 177475358
Conc: 538.72 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF16-01MSD	SDG No.:	P4620
Lab Sample ID:	P4620-27MSD	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107574.D	1	10/31/24 10:30	10/31/24 19:52	PB164566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.50		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	5.70		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		10 - 157	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		10 - 173	81%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:52
Operator : YP/AJ
Sample : P4620-27MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.370	3.644	194.1E6	66210965	21.293	20.572
2)	SA Decachlor...	10.068	8.640	39615040	43534181	16.147	15.879
	Target Compounds						
3)	L1 AR-1016-1	5.521	4.725	145.8E6	59325426	540.471	574.493
4)	L1 AR-1016-2	5.543	4.744	217.6E6	79864001	548.217	566.541
5)	L1 AR-1016-3	5.606	4.920	134.8E6	44167453	536.790	560.888
6)	L1 AR-1016-4	5.703	4.961	110.0E6	33389943	571.300	505.079
7)	L1 AR-1016-5	5.998	5.174	101.3E6	44475717	554.661	541.503
31)	L7 AR-1260-1	7.127	6.205	136.1E6	89974919	526.320	579.905
32)	L7 AR-1260-2	7.383	6.392	146.9E6	105.5E6	558.063	599.076m
33)	L7 AR-1260-3	7.746	6.545	92246292	100.2E6	513.206	597.524
34)	L7 AR-1260-4	7.970	7.017	100.6E6	73622280	573.272	508.860
35)	L7 AR-1260-5	8.285	7.258	147.2E6	178.3E6	517.743	541.165

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:52
Operator : YP/AJ
Sample : P4620-27MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

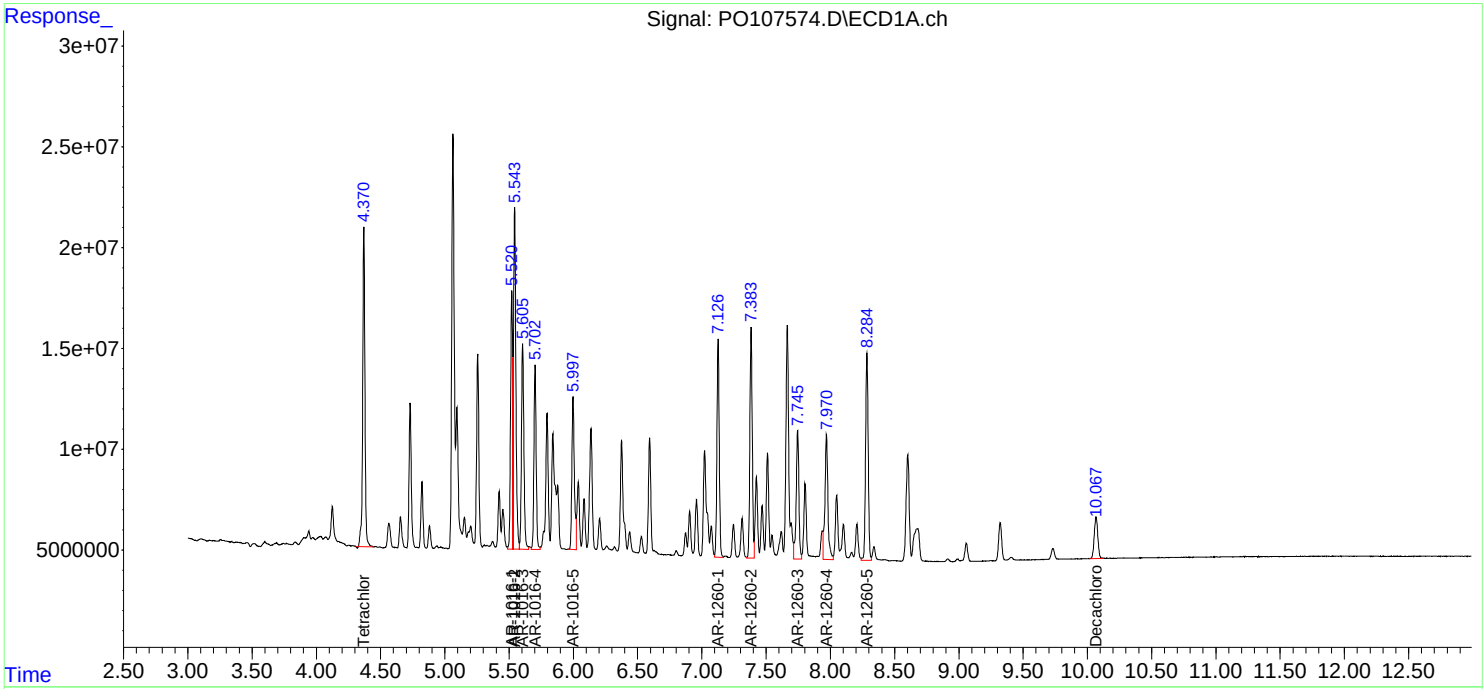
Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

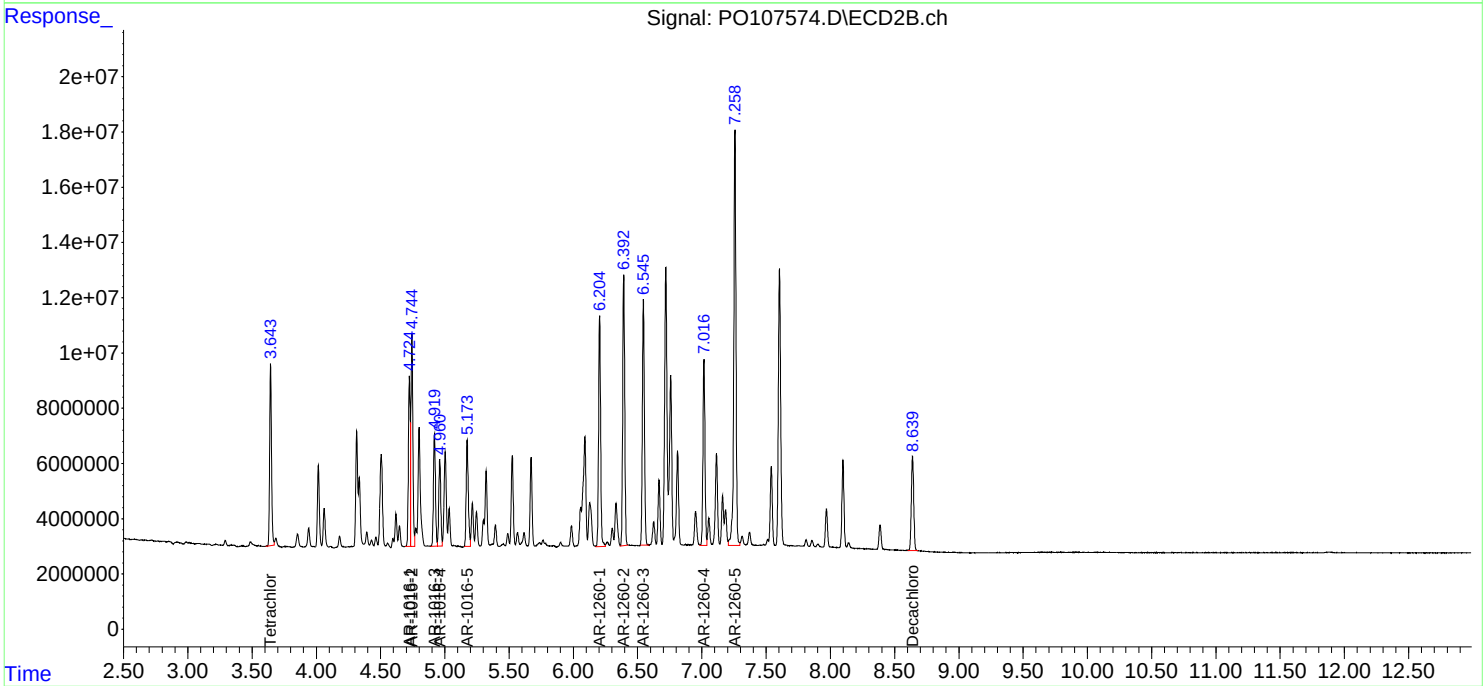
Manual Integrations APPROVED

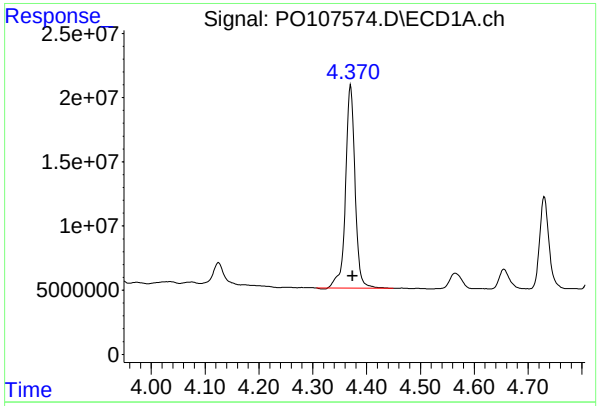
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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







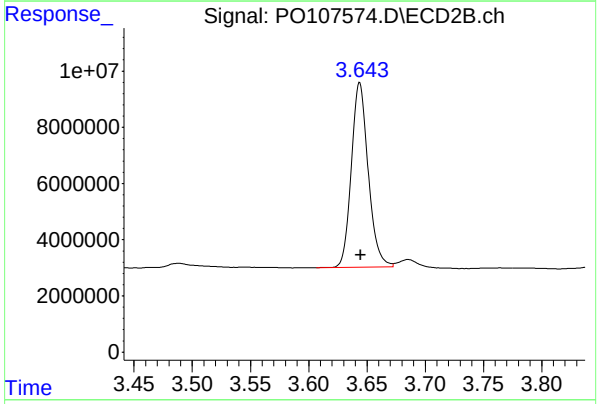
#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 194058809
Conc: 21.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

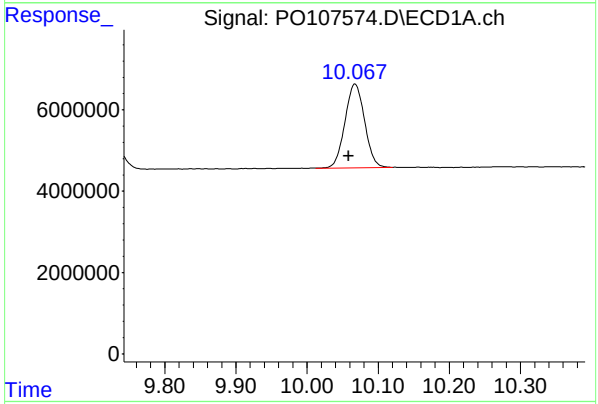
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



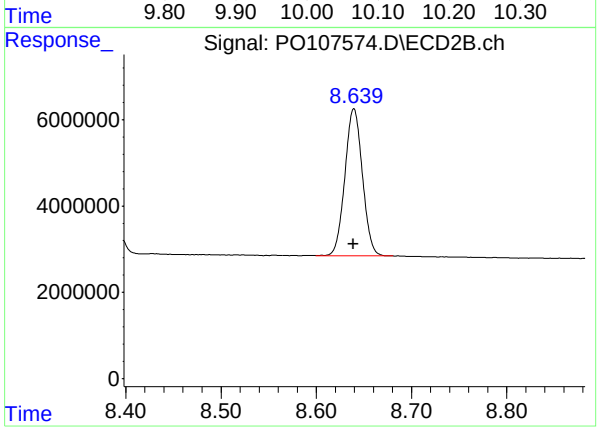
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 66210965
Conc: 20.57 ng/ml



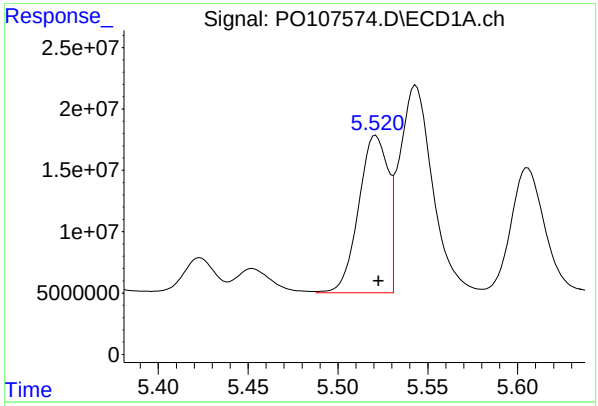
#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 39615040
Conc: 16.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 43534181
Conc: 15.88 ng/ml



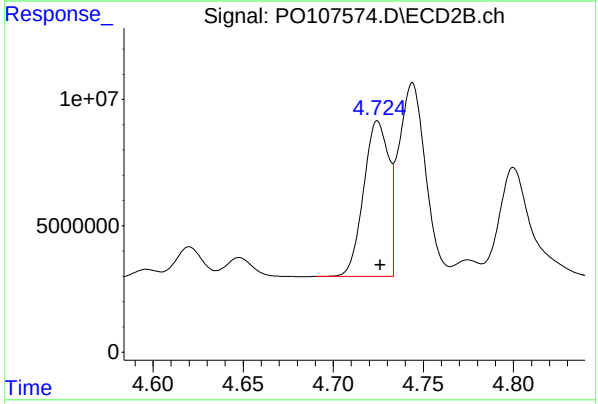
#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 145826875
Conc: 540.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

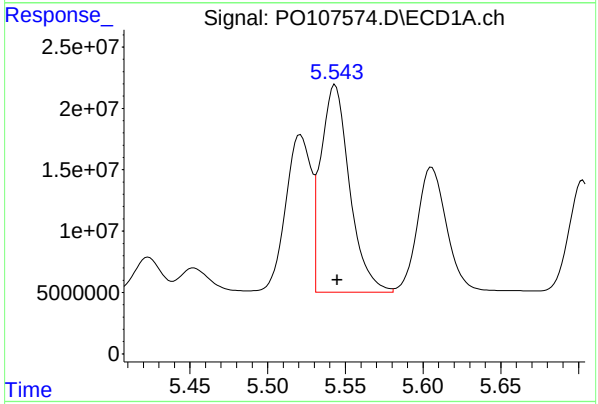
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



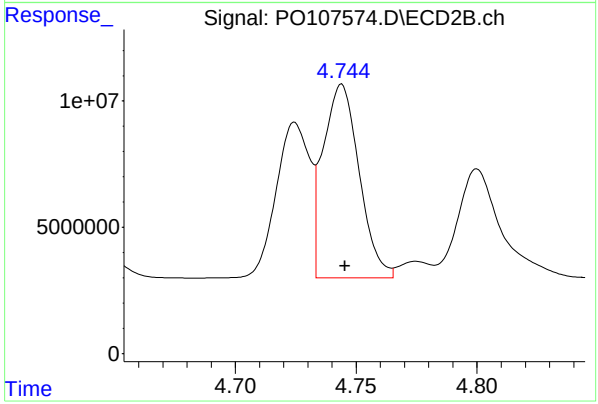
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.001 min
Response: 59325426
Conc: 574.49 ng/ml



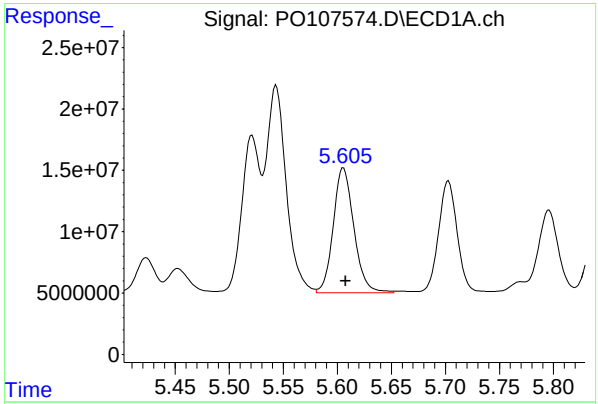
#4 AR-1016-2

R.T.: 5.543 min
Delta R.T.: -0.001 min
Response: 217578999
Conc: 548.22 ng/ml



#4 AR-1016-2

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 79864001
Conc: 566.54 ng/ml



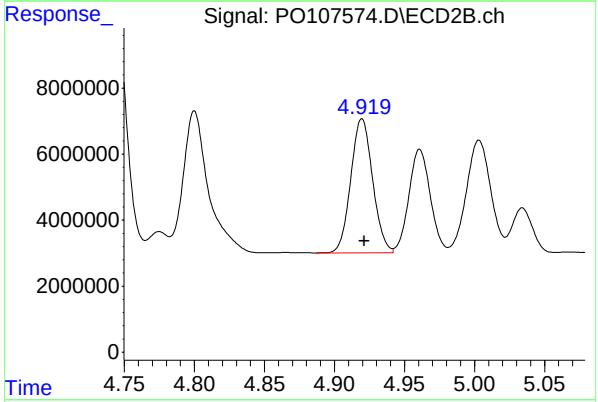
#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.002 min
Response: 134825373
Conc: 536.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

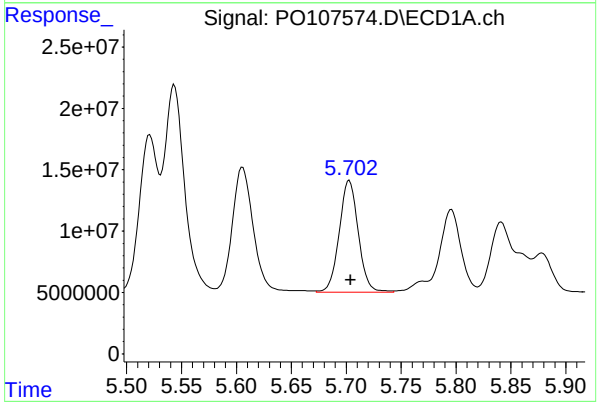
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



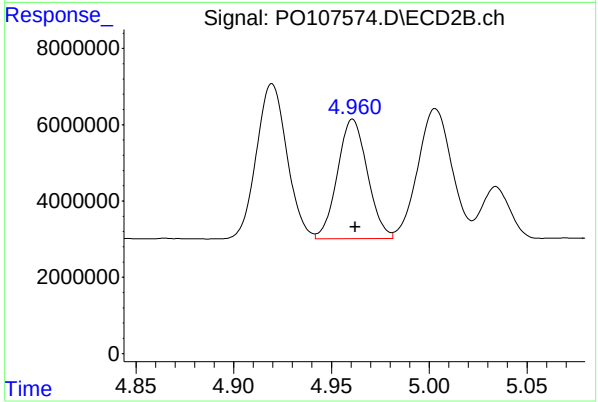
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.002 min
Response: 44167453
Conc: 560.89 ng/ml



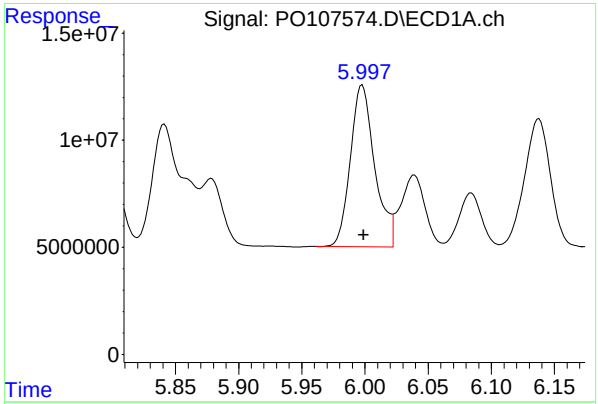
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 110039278
Conc: 571.30 ng/ml



#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: -0.001 min
Response: 33389943
Conc: 505.08 ng/ml



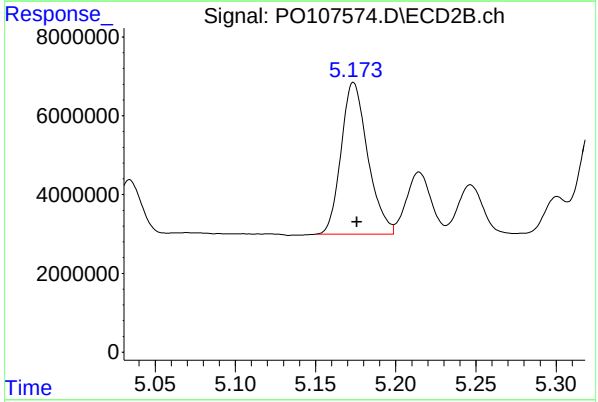
#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 101310797
Conc: 554.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

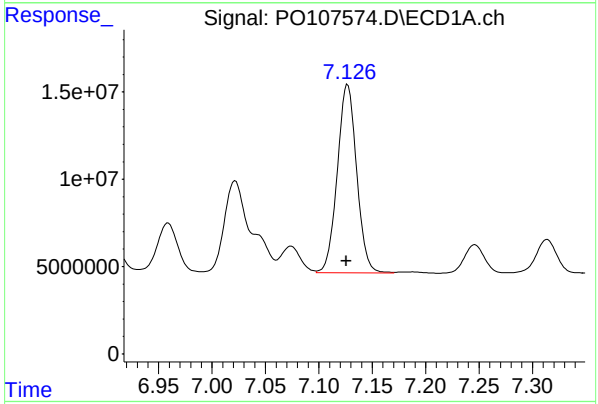
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



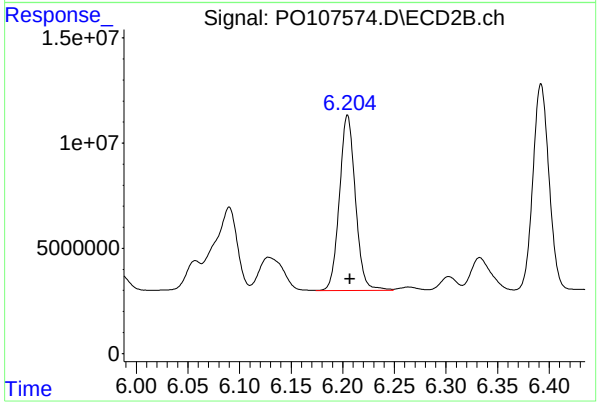
#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 44475717
Conc: 541.50 ng/ml



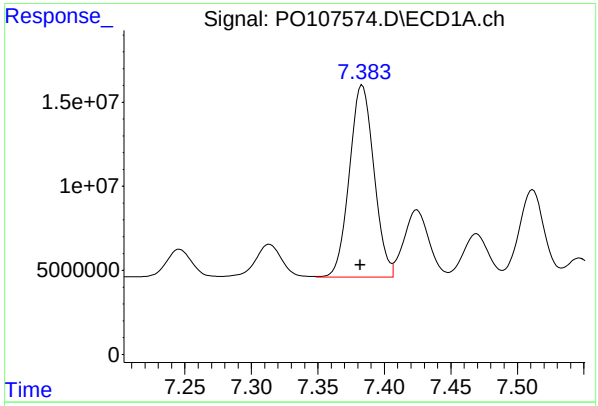
#31 AR-1260-1

R.T.: 7.127 min
Delta R.T.: 0.001 min
Response: 136100403
Conc: 526.32 ng/ml



#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 89974919
Conc: 579.90 ng/ml



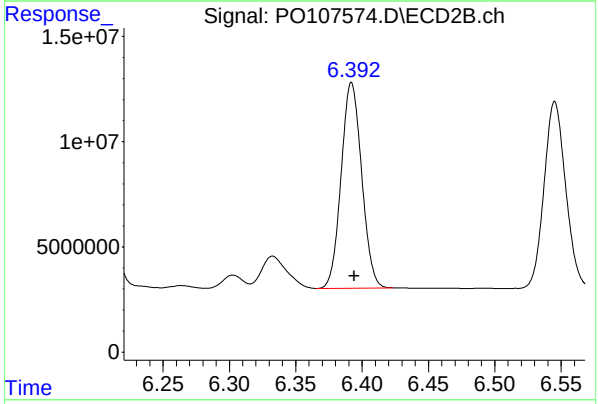
#32 AR-1260-2

R.T.: 7.383 min
Delta R.T.: 0.001 mi
Response: 146893492
Conc: 558.06 ng/m

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

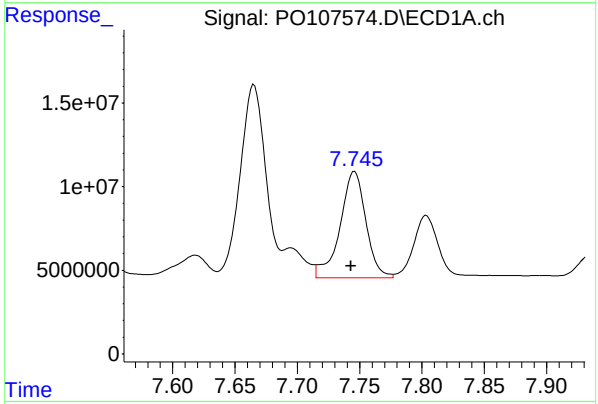
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



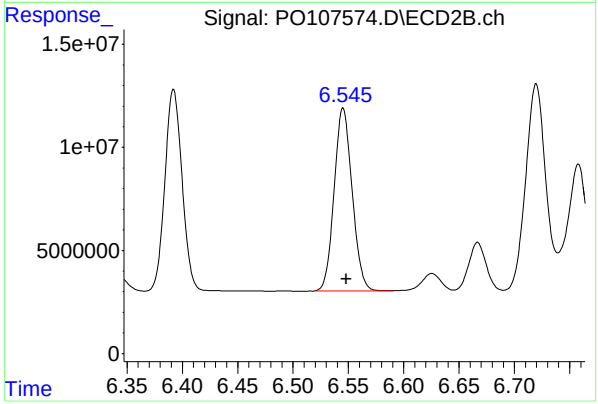
#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: -0.002 min
Response: 105506635
Conc: 599.08 ng/ml m



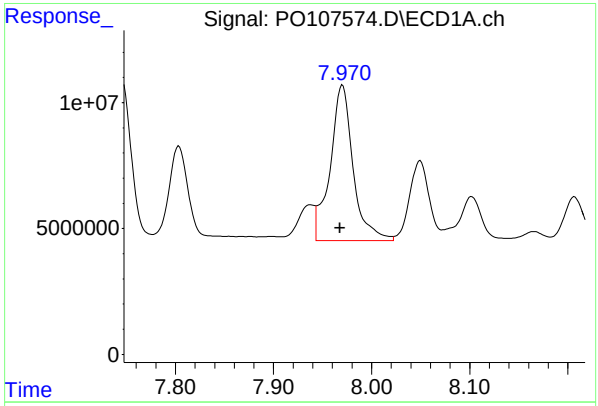
#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 92246292
Conc: 513.21 ng/ml



#33 AR-1260-3

R.T.: 6.545 min
Delta R.T.: -0.003 min
Response: 100233599
Conc: 597.52 ng/ml



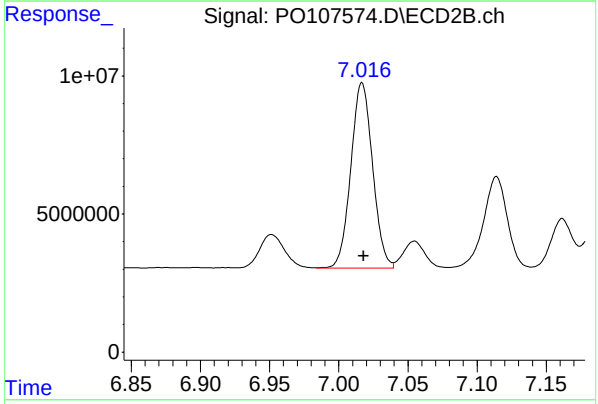
#34 AR-1260-4

R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 100611532
Conc: 573.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-CF16-01MSD

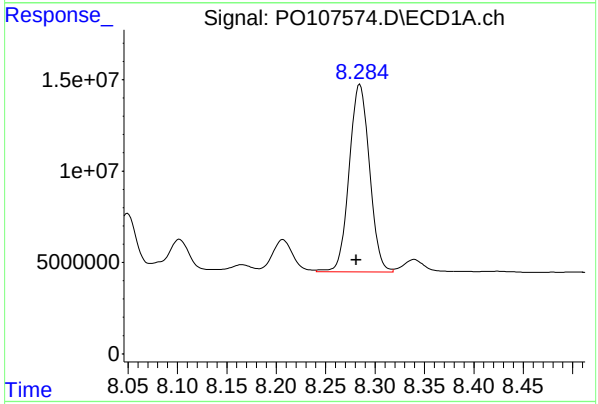
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



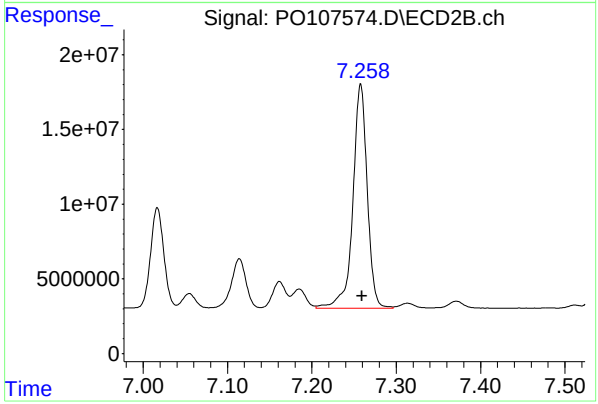
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: -0.001 min
Response: 73622280
Conc: 508.86 ng/ml



#35 AR-1260-5

R.T.: 8.285 min
Delta R.T.: 0.003 min
Response: 147242783
Conc: 517.74 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 178281629
Conc: 541.16 ng/ml

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

Manual Integration Report

Sequence:	po101524	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107188.D	AR-1260-1 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-4 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	Decachlorobiphenyl #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1268ICC050	PO107211.D	AR-1268-1	yogesh	10/16/2024 8:49:03 AM	Ankita	10/16/2024 9:57:36	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO103124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107549.D	AR-1016-5 #2	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1660CCC500	PO107549.D	AR-1260-1	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1660CCC500	PO107549.D	AR-1260-1 #2	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1660CCC500	PO107549.D	AR-1260-2	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1660CCC500	PO107549.D	AR-1260-2 #2	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1660CCC500	PO107549.D	AR-1260-3	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1660CCC500	PO107549.D	AR-1260-4	yogesh	11/1/2024 8:32:33 AM	Ankita	11/4/2024 9:32:13	Peak Integrated by Software
AR1248CCC500	PO107551.D	AR-1248-1 #2	yogesh	11/1/2024 8:32:35 AM	Ankita	11/4/2024 9:32:14	Peak Integrated by Software
AR1248CCC500	PO107551.D	AR-1248-5 #2	yogesh	11/1/2024 8:32:35 AM	Ankita	11/4/2024 9:32:14	Peak Integrated by Software
AR1254CCC500	PO107552.D	AR-1254-2 #2	yogesh	11/1/2024 8:32:37 AM	Ankita	11/4/2024 9:32:16	Peak Integrated by Software
AR1660CCC500	PO107564.D	AR-1260-1 #2	Yogesh	11/4/2024 9:43:20 AM	Ankita	11/4/2024 9:51:14	Peak Integrated by Software
AR1660CCC500	PO107564.D	AR-1260-2 #2	Yogesh	11/4/2024 9:43:20 AM	Ankita	11/4/2024 9:51:14	Peak Integrated by Software
AR1254CCC500	PO107567.D	AR-1254-2 #2	yogesh	11/1/2024 8:32:49 AM	Ankita	11/4/2024 9:32:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO103124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4620-16	PO107569.D	Tetrachloro-m-xylene	yogesh	11/1/2024 8:32:51 AM	Ankita	11/4/2024 9:32:25	Peak Integrated by Software
P4620-16	PO107569.D	Tetrachloro-m-xylene #2	yogesh	11/1/2024 8:32:51 AM	Ankita	11/4/2024 9:32:25	Peak Integrated by Software
P4620-25	PO107572.D	Tetrachloro-m-xylene	yogesh	11/1/2024 8:32:53 AM	Ankita	11/4/2024 9:32:26	Peak Integrated by Software
P4620-26MS	PO107573.D	AR-1260-2 #2	yogesh	11/1/2024 8:32:55 AM	Ankita	11/4/2024 9:32:28	Peak Integrated by Software
P4620-27MSD	PO107574.D	AR-1260-2 #2	yogesh	11/1/2024 8:32:56 AM	Ankita	11/4/2024 9:32:30	Peak Integrated by Software
AR1660CCC500	PO107576.D	AR-1260-1	yogesh	11/1/2024 8:32:58 AM	Ankita	11/4/2024 9:32:31	Peak Integrated by Software
AR1660CCC500	PO107576.D	AR-1260-1 #2	yogesh	11/1/2024 8:32:58 AM	Ankita	11/4/2024 9:32:31	Peak Integrated by Software
AR1660CCC500	PO107576.D	AR-1260-2	yogesh	11/1/2024 8:32:58 AM	Ankita	11/4/2024 9:32:31	Peak Integrated by Software
AR1660CCC500	PO107576.D	AR-1260-2 #2	yogesh	11/1/2024 8:32:58 AM	Ankita	11/4/2024 9:32:31	Peak Integrated by Software
AR1660CCC500	PO107576.D	AR-1260-3	yogesh	11/1/2024 8:32:58 AM	Ankita	11/4/2024 9:32:31	Peak Integrated by Software
AR1660CCC500	PO107576.D	AR-1260-4	yogesh	11/1/2024 8:32:58 AM	Ankita	11/4/2024 9:32:31	Peak Integrated by Software
AR1254CCC500	PO107579.D	AR-1254-2 #2	yogesh	11/1/2024 8:33:01 AM	Ankita	11/4/2024 9:32:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO103124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP067590.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:09 AM	Ankita	10/9/2024 9:46:08	Peak Integrated by Software
AR1660ICC050	PP067591.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:11 AM	Ankita	10/9/2024 9:46:09	Peak Integrated by Software
AR1242ICC500	PP067596.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:13 AM	Ankita	10/9/2024 9:46:11	Peak Integrated by Software
AR1242ICC050	PP067598.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:16 AM	Ankita	10/9/2024 9:46:12	Peak Integrated by Software
AR1254ICC750	PP067605.D	AR-1254-5	yogesh	10/9/2024 8:24:18 AM	Ankita	10/9/2024 9:46:13	Peak Integrated by Software
AR1254ICC500	PP067606.D	AR-1254-5	yogesh	10/9/2024 8:24:20 AM	Ankita	10/9/2024 9:46:15	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-1	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1262ICC500	PP067609.D	AR-1262-3	yogesh	10/9/2024 8:24:24 AM	Ankita	10/9/2024 9:48:33	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PP067612.D	AR-1268-1	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC500	PP067612.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-1 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-2 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-5	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	PP103124	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP068319.D	AR-1242-2	yogesh	11/1/2024 9:01:41 AM	Ankita	11/4/2024 9:51:50	Peak Integrated by Software
AR1254CCC500	PP068321.D	AR-1254-1	yogesh	11/1/2024 9:01:42 AM	Ankita	11/4/2024 9:51:51	Peak Integrated by Software
AR1254CCC500	PP068321.D	AR-1254-5	yogesh	11/1/2024 9:01:42 AM	Ankita	11/4/2024 9:51:51	Peak Integrated by Software
PB164566BS	PP068324.D	AR-1260-3 #2	yogesh	11/1/2024 9:01:44 AM	Ankita	11/4/2024 9:51:53	Peak Integrated by Software
P4620-10	PP068330.D	Tetrachloro-m-xylene	yogesh	11/1/2024 9:01:45 AM	Ankita	11/4/2024 9:51:55	Peak Integrated by Software
AR1254CCC500	PP068336.D	AR-1254-1	yogesh	11/1/2024 9:01:47 AM	Ankita	11/4/2024 9:51:57	Peak Integrated by Software
AR1254CCC500	PP068336.D	AR-1254-5	yogesh	11/1/2024 9:01:47 AM	Ankita	11/4/2024 9:51:57	Peak Integrated by Software
I.BLK	PP068337.D	Tetrachloro-m-xylene	yogesh	11/1/2024 9:01:48 AM	Ankita	11/4/2024 9:51:58	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107180.D	15 Oct 2024 13:05	YP/AJ	Ok
2	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	YP/AJ	Not Ok
3	HEXANE	PO107182.D	15 Oct 2024 17:50	YP/AJ	Ok
4	I.BLK	PO107183.D	15 Oct 2024 18:08	YP/AJ	Ok
5	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27	YP/AJ	Ok
6	AR1660ICC750	PO107185.D	15 Oct 2024 18:45	YP/AJ	Ok
7	AR1660ICC500	PO107186.D	15 Oct 2024 19:03	YP/AJ	Ok
8	AR1660ICC250	PO107187.D	15 Oct 2024 19:21	YP/AJ	Ok
9	AR1660ICC050	PO107188.D	15 Oct 2024 19:39	YP/AJ	Ok,M
10	AR1221ICC500	PO107189.D	15 Oct 2024 19:57	YP/AJ	Ok
11	AR1232ICC500	PO107190.D	15 Oct 2024 20:15	YP/AJ	Ok
12	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34	YP/AJ	Ok
13	AR1242ICC750	PO107192.D	15 Oct 2024 20:52	YP/AJ	Ok
14	AR1242ICC500	PO107193.D	15 Oct 2024 21:10	YP/AJ	Ok
15	AR1242ICC250	PO107194.D	15 Oct 2024 21:28	YP/AJ	Ok
16	AR1242ICC050	PO107195.D	15 Oct 2024 21:46	YP/AJ	Ok
17	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04	YP/AJ	Ok
18	AR1248ICC750	PO107197.D	15 Oct 2024 22:22	YP/AJ	Ok
19	AR1248ICC500	PO107198.D	15 Oct 2024 22:41	YP/AJ	Ok
20	AR1248ICC250	PO107199.D	15 Oct 2024 22:59	YP/AJ	Ok
21	AR1248ICC050	PO107200.D	15 Oct 2024 23:17	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35	YP/AJ	Ok
23	AR1254ICC750	PO107202.D	15 Oct 2024 23:53	YP/AJ	Ok
24	AR1254ICC500	PO107203.D	16 Oct 2024 00:11	YP/AJ	Ok
25	AR1254ICC250	PO107204.D	16 Oct 2024 00:29	YP/AJ	Ok
26	AR1254ICC050	PO107205.D	16 Oct 2024 00:47	YP/AJ	Ok
27	AR1262ICC500	PO107206.D	16 Oct 2024 01:05	YP/AJ	Ok
28	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23	YP/AJ	Ok
29	AR1268ICC750	PO107208.D	16 Oct 2024 01:41	YP/AJ	Ok
30	AR1268ICC500	PO107209.D	16 Oct 2024 01:59	YP/AJ	Ok
31	AR1268ICC250	PO107210.D	16 Oct 2024 02:18	YP/AJ	Ok
32	AR1268ICC050	PO107211.D	16 Oct 2024 02:36	YP/AJ	Ok,M
33	PO101524ICV500	PO107212.D	16 Oct 2024 02:54	YP/AJ	Ok
34	AR1242ICV500	PO107213.D	16 Oct 2024 03:12	YP/AJ	Ok
35	AR1248ICV500	PO107214.D	16 Oct 2024 03:30	YP/AJ	Ok
36	AR1254ICV500	PO107215.D	16 Oct 2024 03:48	YP/AJ	Ok
37	AR1268ICV500	PO107216.D	16 Oct 2024 04:06	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

Review By	yogesh	Review On	10/31/2024 12:08:28 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:32:47 AM		
SubDirectory	PO103124	HP Acquire Method		HP Processing Method	PO101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107548.D	31 Oct 2024 09:14	YP/AJ	Ok
2	AR1660CCC500	PO107549.D	31 Oct 2024 09:32	YP/AJ	Ok,M
3	AR1242CCC500	PO107550.D	31 Oct 2024 10:57	YP/AJ	Ok
4	AR1248CCC500	PO107551.D	31 Oct 2024 11:13	YP/AJ	Ok,M
5	AR1254CCC500	PO107552.D	31 Oct 2024 11:29	YP/AJ	Ok,M
6	I.BLK	PO107553.D	31 Oct 2024 11:47	YP/AJ	Ok
7	PB164556BL	PO107554.D	31 Oct 2024 13:59	YP/AJ	Ok
8	PB164556BS	PO107555.D	31 Oct 2024 14:15	YP/AJ	Ok
9	P4639-01	PO107556.D	31 Oct 2024 14:31	YP/AJ	Ok,M
10	P4639-01MS	PO107557.D	31 Oct 2024 14:47	YP/AJ	Ok,M
11	P4639-01MSD	PO107558.D	31 Oct 2024 15:03	YP/AJ	Ok,M
12	P4639-03	PO107559.D	31 Oct 2024 15:19	YP/AJ	Ok,M
13	P4640-01	PO107560.D	31 Oct 2024 15:36	YP/AJ	Ok,M
14	P4643-01	PO107561.D	31 Oct 2024 15:52	YP/AJ	Ok
15	P4643-05	PO107562.D	31 Oct 2024 16:08	YP/AJ	Ok
16	P4643-09	PO107563.D	31 Oct 2024 16:24	YP/AJ	Ok
17	AR1660CCC500	PO107564.D	31 Oct 2024 17:10	YP/AJ	Ok,M
18	AR1242CCC500	PO107565.D	31 Oct 2024 17:27	YP/AJ	Ok
19	AR1248CCC500	PO107566.D	31 Oct 2024 17:43	YP/AJ	Ok
20	AR1254CCC500	PO107567.D	31 Oct 2024 17:59	YP/AJ	Ok,M
21	I.BLK	PO107568.D	31 Oct 2024 18:15	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

Review By	yogesh	Review On	10/31/2024 12:08:28 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:32:47 AM		
SubDirectory	PO103124	HP Acquire Method		HP Processing Method	PO101524

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,PP2376 5,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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4620-16	PO107569.D	31 Oct 2024 18:31	YP/AJ	Ok,M
23	P4620-18	PO107570.D	31 Oct 2024 18:48	YP/AJ	Ok
24	P4620-20	PO107571.D	31 Oct 2024 19:04	YP/AJ	Ok
25	P4620-25	PO107572.D	31 Oct 2024 19:20	YP/AJ	Ok,M
26	P4620-26MS	PO107573.D	31 Oct 2024 19:36	YP/AJ	Ok,M
27	P4620-27MSD	PO107574.D	31 Oct 2024 19:52	YP/AJ	Ok,M
28	P4620-30	PO107575.D	31 Oct 2024 20:09	YP/AJ	Ok
29	AR1660CCC500	PO107576.D	31 Oct 2024 20:55	YP/AJ	Ok,M
30	AR1242CCC500	PO107577.D	31 Oct 2024 21:11	YP/AJ	Ok
31	AR1248CCC500	PO107578.D	31 Oct 2024 21:27	YP/AJ	Ok
32	AR1254CCC500	PO107579.D	31 Oct 2024 21:43	YP/AJ	Ok,M
33	I.BLK	PO107580.D	31 Oct 2024 21:59	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP2376 5,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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067585.D	08 Oct 2024 15:58	YP\AJ	Ok
2	I.BLK	PP067586.D	08 Oct 2024 16:14	YP\AJ	Ok
3	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30	YP\AJ	Ok
4	AR1660ICC750	PP067588.D	08 Oct 2024 16:46	YP\AJ	Ok
5	AR1660ICC500	PP067589.D	08 Oct 2024 17:02	YP\AJ	Ok
6	AR1660ICC250	PP067590.D	08 Oct 2024 17:19	YP\AJ	Ok,M
7	AR1660ICC050	PP067591.D	08 Oct 2024 17:35	YP\AJ	Ok,M
8	AR1221ICC500	PP067592.D	08 Oct 2024 17:51	YP\AJ	Ok
9	AR1232ICC500	PP067593.D	08 Oct 2024 18:07	YP\AJ	Ok
10	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23	YP\AJ	Ok
11	AR1242ICC750	PP067595.D	08 Oct 2024 18:39	YP\AJ	Ok
12	AR1242ICC500	PP067596.D	08 Oct 2024 18:55	YP\AJ	Ok,M
13	AR1242ICC250	PP067597.D	08 Oct 2024 19:12	YP\AJ	Ok
14	AR1242ICC050	PP067598.D	08 Oct 2024 19:28	YP\AJ	Ok,M
15	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44	YP\AJ	Ok
16	AR1248ICC750	PP067600.D	08 Oct 2024 20:00	YP\AJ	Ok
17	AR1248ICC500	PP067601.D	08 Oct 2024 20:16	YP\AJ	Ok
18	AR1248ICC250	PP067602.D	08 Oct 2024 20:32	YP\AJ	Ok
19	AR1248ICC050	PP067603.D	08 Oct 2024 20:49	YP\AJ	Ok
20	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05	YP\AJ	Ok
21	AR1254ICC750	PP067605.D	08 Oct 2024 21:21	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP067606.D	08 Oct 2024 21:37	YP\AJ	Ok,M
23	AR1254ICC250	PP067607.D	08 Oct 2024 21:53	YP\AJ	Ok
24	AR1254ICC050	PP067608.D	08 Oct 2024 22:09	YP\AJ	Ok,M
25	AR1262ICC500	PP067609.D	08 Oct 2024 22:25	YP\AJ	Ok,M
26	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42	YP\AJ	Ok,M
27	AR1268ICC750	PP067611.D	08 Oct 2024 22:58	YP\AJ	Ok,M
28	AR1268ICC500	PP067612.D	08 Oct 2024 23:14	YP\AJ	Ok,M
29	AR1268ICC250	PP067613.D	08 Oct 2024 23:30	YP\AJ	Ok,M
30	AR1268ICC050	PP067614.D	08 Oct 2024 23:46	YP\AJ	Ok,M
31	PP100824ICV500	PP067615.D	09 Oct 2024 00:02	YP\AJ	Ok
32	AR1242ICV500	PP067616.D	09 Oct 2024 00:18	YP\AJ	Ok,M
33	AR1248ICV500	PP067617.D	09 Oct 2024 00:34	YP\AJ	Ok
34	AR1254ICV500	PP067618.D	09 Oct 2024 00:51	YP\AJ	Ok,M
35	AR1268ICV500	PP067619.D	09 Oct 2024 01:07	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP103124

Review By	yogesh	Review On	10/31/2024 4:09:30 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:52:04 AM		
SubDirectory	PP103124	HP Acquire Method		HP Processing Method	PO100824

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,PP2376 5,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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068317.D	31 Oct 2024 13:41	YP\AJ	Ok
2	AR1660CCC500	PP068318.D	31 Oct 2024 13:57	YP\AJ	Ok
3	AR1242CCC500	PP068319.D	31 Oct 2024 14:15	YP\AJ	Ok,M
4	AR1248CCC500	PP068320.D	31 Oct 2024 14:36	YP\AJ	Ok
5	AR1254CCC500	PP068321.D	31 Oct 2024 14:53	YP\AJ	Ok,M
6	I.BLK	PP068322.D	31 Oct 2024 15:10	YP\AJ	Ok
7	PB164566BL	PP068323.D	31 Oct 2024 15:39	YP\AJ	Ok
8	PB164566BS	PP068324.D	31 Oct 2024 15:55	YP\AJ	Ok,M
9	PB164566TB	PP068325.D	31 Oct 2024 16:11	YP\AJ	Ok
10	P4620-02	PP068326.D	31 Oct 2024 16:28	YP\AJ	Ok
11	P4620-04	PP068327.D	31 Oct 2024 16:44	YP\AJ	Ok
12	P4620-06	PP068328.D	31 Oct 2024 17:01	YP\AJ	Ok
13	P4620-08	PP068329.D	31 Oct 2024 17:17	YP\AJ	Ok
14	P4620-10	PP068330.D	31 Oct 2024 17:33	YP\AJ	Ok,M
15	P4620-12	PP068331.D	31 Oct 2024 17:50	YP\AJ	Ok
16	P4620-14	PP068332.D	31 Oct 2024 18:06	YP\AJ	Ok
17	AR1660CCC500	PP068333.D	31 Oct 2024 18:55	YP\AJ	Ok
18	AR1242CCC500	PP068334.D	31 Oct 2024 19:12	YP\AJ	Ok
19	AR1248CCC500	PP068335.D	31 Oct 2024 19:28	YP\AJ	Ok
20	AR1254CCC500	PP068336.D	31 Oct 2024 19:45	YP\AJ	Ok,M
21	I.BLK	PP068337.D	31 Oct 2024 20:01	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107180.D	15 Oct 2024 13:05		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO107182.D	15 Oct 2024 17:50		YP/AJ	Ok
4	I.BLK	I.BLK	PO107183.D	15 Oct 2024 18:08		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO107185.D	15 Oct 2024 18:45		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO107186.D	15 Oct 2024 19:03		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO107187.D	15 Oct 2024 19:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO107188.D	15 Oct 2024 19:39		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO107189.D	15 Oct 2024 19:57		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO107190.D	15 Oct 2024 20:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO107192.D	15 Oct 2024 20:52		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO107193.D	15 Oct 2024 21:10		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO107194.D	15 Oct 2024 21:28		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO107195.D	15 Oct 2024 21:46		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO107197.D	15 Oct 2024 22:22		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC500	AR1248ICC500	PO107198.D	15 Oct 2024 22:41		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO107199.D	15 Oct 2024 22:59		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO107200.D	15 Oct 2024 23:17		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO107202.D	15 Oct 2024 23:53		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO107203.D	16 Oct 2024 00:11		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO107204.D	16 Oct 2024 00:29		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO107205.D	16 Oct 2024 00:47		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO107206.D	16 Oct 2024 01:05		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO107208.D	16 Oct 2024 01:41		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO107209.D	16 Oct 2024 01:59		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO107210.D	16 Oct 2024 02:18		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO107211.D	16 Oct 2024 02:36		YP/AJ	Ok,M
33	PO101524ICV500	ICVPO101524	PO107212.D	16 Oct 2024 02:54		YP/AJ	Ok
34	AR1242ICV500	ICVPO101524AR1242	PO107213.D	16 Oct 2024 03:12		YP/AJ	Ok
35	AR1248ICV500	ICVPO101524AR1248	PO107214.D	16 Oct 2024 03:30		YP/AJ	Ok
36	AR1254ICV500	ICVPO101524AR1254	PO107215.D	16 Oct 2024 03:48		YP/AJ	Ok
37	AR1268ICV500	ICVPO101524AR1268	PO107216.D	16 Oct 2024 04:06		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

Review By	yogesh	Review On	10/31/2024 12:08:28 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:32:47 AM		
SubDirectory	PO103124	HP Acquire Method		HP Processing Method	PO101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107548.D	31 Oct 2024 09:14		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107549.D	31 Oct 2024 09:32		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO107550.D	31 Oct 2024 10:57		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107551.D	31 Oct 2024 11:13		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO107552.D	31 Oct 2024 11:29		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO107553.D	31 Oct 2024 11:47		YP/AJ	Ok
7	PB164556BL	PB164556BL	PO107554.D	31 Oct 2024 13:59		YP/AJ	Ok
8	PB164556BS	PB164556BS	PO107555.D	31 Oct 2024 14:15		YP/AJ	Ok
9	P4639-01	EO-01-103024	PO107556.D	31 Oct 2024 14:31		YP/AJ	Ok,M
10	P4639-01MS	EO-01-103024MS	PO107557.D	31 Oct 2024 14:47		YP/AJ	Ok,M
11	P4639-01MSD	EO-01-103024MSD	PO107558.D	31 Oct 2024 15:03		YP/AJ	Ok,M
12	P4639-03	EO-02-103024	PO107559.D	31 Oct 2024 15:19		YP/AJ	Ok,M
13	P4640-01	MH-3	PO107560.D	31 Oct 2024 15:36		YP/AJ	Ok,M
14	P4643-01	BP-F9-ADDITIONAL	PO107561.D	31 Oct 2024 15:52		YP/AJ	Ok
15	P4643-05	BP-F8	PO107562.D	31 Oct 2024 16:08		YP/AJ	Ok
16	P4643-09	TP-9	PO107563.D	31 Oct 2024 16:24		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO107564.D	31 Oct 2024 17:10		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO107565.D	31 Oct 2024 17:27		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

Review By	yogesh	Review On	10/31/2024 12:08:28 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:32:47 AM		
SubDirectory	PO103124	HP Acquire Method		HP Processing Method	PO101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO107566.D	31 Oct 2024 17:43		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO107567.D	31 Oct 2024 17:59		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO107568.D	31 Oct 2024 18:15		YP/AJ	Ok
22	P4620-16	P001-CF13-01	PO107569.D	31 Oct 2024 18:31		YP/AJ	Ok,M
23	P4620-18	P001-CF14-01	PO107570.D	31 Oct 2024 18:48		YP/AJ	Ok
24	P4620-20	P001-CF15-01	PO107571.D	31 Oct 2024 19:04		YP/AJ	Ok
25	P4620-25	P001-CF16-01	PO107572.D	31 Oct 2024 19:20		YP/AJ	Ok,M
26	P4620-26MS	P001-CF16-01MS	PO107573.D	31 Oct 2024 19:36		YP/AJ	Ok,M
27	P4620-27MSD	P001-CF16-01MSD	PO107574.D	31 Oct 2024 19:52		YP/AJ	Ok,M
28	P4620-30	P001-CF16-02	PO107575.D	31 Oct 2024 20:09		YP/AJ	Ok
29	AR1660CCC500	AR1660CCC500	PO107576.D	31 Oct 2024 20:55		YP/AJ	Ok,M
30	AR1242CCC500	AR1242CCC500	PO107577.D	31 Oct 2024 21:11		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO107578.D	31 Oct 2024 21:27		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO107579.D	31 Oct 2024 21:43		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO107580.D	31 Oct 2024 21:59		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067585.D	08 Oct 2024 15:58		YP\AJ	Ok
2	I.BLK	I.BLK	PP067586.D	08 Oct 2024 16:14		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067588.D	08 Oct 2024 16:46		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067589.D	08 Oct 2024 17:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067590.D	08 Oct 2024 17:19		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP067591.D	08 Oct 2024 17:35		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP067592.D	08 Oct 2024 17:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067593.D	08 Oct 2024 18:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067595.D	08 Oct 2024 18:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067596.D	08 Oct 2024 18:55		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP067597.D	08 Oct 2024 19:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067598.D	08 Oct 2024 19:28		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067600.D	08 Oct 2024 20:00		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067601.D	08 Oct 2024 20:16		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067602.D	08 Oct 2024 20:32		YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP067603.D	08 Oct 2024 20:49		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP067605.D	08 Oct 2024 21:21		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP067606.D	08 Oct 2024 21:37		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP067607.D	08 Oct 2024 21:53		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP067608.D	08 Oct 2024 22:09		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP067609.D	08 Oct 2024 22:25		YP\AJ	Ok,M
26	AR1268ICC1000	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42		YP\AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP067611.D	08 Oct 2024 22:58		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP067612.D	08 Oct 2024 23:14		YP\AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP067613.D	08 Oct 2024 23:30		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP067614.D	08 Oct 2024 23:46		YP\AJ	Ok,M
31	PP100824ICV500	ICVPP100824	PP067615.D	09 Oct 2024 00:02		YP\AJ	Ok
32	AR1242ICV500	ICVPP100824AR1242	PP067616.D	09 Oct 2024 00:18		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP100824AR1248	PP067617.D	09 Oct 2024 00:34		YP\AJ	Ok
34	AR1254ICV500	ICVPP100824AR1254	PP067618.D	09 Oct 2024 00:51		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP100824AR1268	PP067619.D	09 Oct 2024 01:07		YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP103124

Review By	yogesh	Review On	10/31/2024 4:09:30 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:52:04 AM		
SubDirectory	PP103124	HP Acquire Method		HP Processing Method	PO100824

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP068317.D	31 Oct 2024 13:41		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP068318.D	31 Oct 2024 13:57		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP068319.D	31 Oct 2024 14:15		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP068320.D	31 Oct 2024 14:36		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP068321.D	31 Oct 2024 14:53		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP068322.D	31 Oct 2024 15:10		YP\AJ	Ok
7	PB164566BL	PB164566BL	PP068323.D	31 Oct 2024 15:39		YP\AJ	Ok
8	PB164566BS	PB164566BS	PP068324.D	31 Oct 2024 15:55		YP\AJ	Ok,M
9	PB164566TB	PB164566TB	PP068325.D	31 Oct 2024 16:11		YP\AJ	Ok
10	P4620-02	P001-CF06-01	PP068326.D	31 Oct 2024 16:28		YP\AJ	Ok
11	P4620-04	P001-CF07-01	PP068327.D	31 Oct 2024 16:44		YP\AJ	Ok
12	P4620-06	P001-CF08-01	PP068328.D	31 Oct 2024 17:01		YP\AJ	Ok
13	P4620-08	P001-CF09-01	PP068329.D	31 Oct 2024 17:17		YP\AJ	Ok
14	P4620-10	P001-CF10-01	PP068330.D	31 Oct 2024 17:33		YP\AJ	Ok,M
15	P4620-12	P001-CF11-01	PP068331.D	31 Oct 2024 17:50		YP\AJ	Ok
16	P4620-14	P001-CF12-01	PP068332.D	31 Oct 2024 18:06		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP068333.D	31 Oct 2024 18:55		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP068334.D	31 Oct 2024 19:12		YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP103124

Review By	yogesh	Review On	10/31/2024 4:09:30 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:52:04 AM		
SubDirectory	PP103124	HP Acquire Method		HP Processing Method	PO100824

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP068335.D	31 Oct 2024 19:28		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP068336.D	31 Oct 2024 19:45		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP068337.D	31 Oct 2024 20:01		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164539

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2 /ZHE-2

TCLP Filter ID : 114771

Start Prep Date : 10/30/2024 **Time :** 14:00

End Prep Date : 10/31/2024 **Time :** 07:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP110482
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 /ZHE-2 CHECKED,30 RPM.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/31/24 10:00	JP Lab Room	RS EXT DEP
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164539

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4620-02	P001-CF06-01	11	100.02	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-04	P001-CF07-01	12	100.03	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-06	P001-CF08-01	13	100.04	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-08	P001-CF09-01	14	100.02	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-10	P001-CF10-01	15	100.03	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-12	P001-CF11-01	16	100.04	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-14	P001-CF12-01	17	100.03	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-16	P001-CF13-01	18	100.02	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-18	P001-CF14-01	19	100.01	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-20	P001-CF15-01	20	100.02	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-25	P001-CF16-01	21	100.03	2000	N/A	N/A	N/A	7.2	N/A	ZHE-2
P4620-26	P4620-25MS	21	100.03	2000	N/A	N/A	N/A	7.0	N/A	ZHE-2
P4620-27	P4620-25MSD	21	100.03	2000	N/A	N/A	N/A	7.0	N/A	ZHE-2
P4620-30	P001-CF16-02	22	100.04	2000	N/A	N/A	N/A	7.0	N/A	ZHE-2
PB164539TB	LEB539	23	N/A	2000	N/A	N/A	N/A	4.22	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4620-02	P001-CF06-01	N/A	N/A	N/A	N/A	100	N/A
P4620-04	P001-CF07-01	N/A	N/A	N/A	N/A	100	N/A
P4620-06	P001-CF08-01	N/A	N/A	N/A	N/A	100	N/A
P4620-08	P001-CF09-01	N/A	N/A	N/A	N/A	100	N/A
P4620-10	P001-CF10-01	N/A	N/A	N/A	N/A	100	N/A
P4620-12	P001-CF11-01	N/A	N/A	N/A	N/A	100	N/A
P4620-14	P001-CF12-01	N/A	N/A	N/A	N/A	100	N/A
P4620-16	P001-CF13-01	N/A	N/A	N/A	N/A	100	N/A
P4620-18	P001-CF14-01	N/A	N/A	N/A	N/A	100	N/A
P4620-20	P001-CF15-01	N/A	N/A	N/A	N/A	100	N/A
P4620-25	P001-CF16-01	N/A	N/A	N/A	N/A	100	N/A
P4620-26	P4620-25MS	N/A	N/A	N/A	N/A	100	N/A
P4620-27	P4620-25MSD	N/A	N/A	N/A	N/A	100	N/A
P4620-30	P001-CF16-02	N/A	N/A	N/A	N/A	100	N/A
PB164539TB	LEB539	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB164539

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4620-02	P001-CF06-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-04	P001-CF07-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-06	P001-CF08-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-08	P001-CF09-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-10	P001-CF10-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-12	P001-CF11-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-14	P001-CF12-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-16	P001-CF13-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-18	P001-CF14-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-20	P001-CF15-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-25	P001-CF16-01	N/A	N/A	N/A	N/A	#1	4.22
P4620-26	P4620-25MS	N/A	N/A	N/A	N/A	#1	4.22
P4620-27	P4620-25MSD	N/A	N/A	N/A	N/A	#1	4.22
P4620-30	P001-CF16-02	N/A	N/A	N/A	N/A	#1	4.22
PB164539TB	LEB539	N/A	N/A	N/A	N/A	#1	4.22

WORKLIST(Hardcopy Internal Chain)

WorkList Name : splp p4620 **WorkList ID :** 184948 **Department :** TCLP Extraction **Date :** 10-30-2024 11:50:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4620-02	P001-CF06-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-04	P001-CF07-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-06	P001-CF08-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-08	P001-CF09-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-10	P001-CF10-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-12	P001-CF11-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-14	P001-CF12-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-16	P001-CF13-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-18	P001-CF14-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-20	P001-CF15-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-25	P001-CF16-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-26	P4620-25MS	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-27	P4620-25MSD	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312
P4620-30	P001-CF16-02	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	K41	10/29/2024	1312

Date/Time 10/30/24 12:00
Raw Sample Received by: TR coolC1
Raw Sample Relinquished by: RM SM

Date/Time 10/30/24 15:00
Raw Sample Received by: RM SM
Raw Sample Relinquished by: TR coolC1

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EXTRACTION LOGPAGE

PB164566

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 10/31/2024

Extraction Start Time : 10:30

Extraction End Date : 10/31/2024

Extraction End Time : 15:30

Concentration By: RS

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23858
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	EP2539
Baked Na2SO4	N/A	EP2554
Hexane	N/A	E3819
N/A	N/A	N/A
H2SO4 1:1	N/A	EP2548
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.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/31/24	RP (Ext. Lab)	Y.P-PQST/PQ.
15:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164566

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 10/31/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164566BL	ABLK566	SPLP PCB	1000	6	RUPESH	rajesh	10			SEP-01
PB164566BS	ALCS566	SPLP PCB	1000	6	RUPESH	rajesh	10			2
PB164566TB	PB164566TB	SPLP PCB	1000	6	RUPESH	rajesh	10			3
P4620-02	P001-CF06-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		4
P4620-04	P001-CF07-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		5
P4620-06	P001-CF08-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		6
P4620-08	P001-CF09-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		7
P4620-10	P001-CF10-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		8
P4620-12	P001-CF11-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		9
P4620-14	P001-CF12-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		10
P4620-16	P001-CF13-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		11
P4620-18	P001-CF14-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		12
P4620-20	P001-CF15-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		13
P4620-25	P001-CF16-01	SPLP PCB	1000	6	RUPESH	rajesh	10	A		14
P4620-26	P4620-25MS	SPLP PCB	1000	6	RUPESH	rajesh	10	A		15
P4620-27	P4620-25MSD	SPLP PCB	1000	6	RUPESH	rajesh	10	A		16
P4620-30	P001-CF16-02	SPLP PCB	1000	6	RUPESH	rajesh	10	A		17

* **Extracts relinquished on the same date as received.**

10/31/24

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164539

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr Pc
P4620-02	P001-CF06-01	11	100.02	2000	N/A	N/A	N/A	7.2	N/A	T-
P4620-04	P001-CF07-01	12	100.03	2000	N/A	N/A	N/A	7.0	N/A	T-
P4620-06	P001-CF08-01	13	100.04	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-08	P001-CF09-01	14	100.02	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-10	P001-CF10-01	15	100.03	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-12	P001-CF11-01	16	100.04	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-14	P001-CF12-01	17	100.03	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-16	P001-CF13-01	18	100.02	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-18	P001-CF14-01	19	100.01	2000	N/A	N/A	N/A	7.2	N/A	T-2
P4620-20	P001-CF15-01	20	100.02	2000	N/A	N/A	N/A	7.0	N/A	T-2
P4620-25	P001-CF16-01	21	100.03	2000	N/A	N/A	N/A	7.2	N/A	ZHE-2
P4620-26	P4620-25MS	21	100.03	2000	N/A	N/A	N/A	7.0	N/A	ZHE-2
P4620-27	P4620-25MSD	21	100.03	2000	N/A	N/A	N/A	7.0	N/A	ZHE-2
P4620-30	P001-CF16-02	22	100.04	2000	N/A	N/A	N/A	7.0	N/A	ZHE-2
PB164539TB	LEB539	23	N/A	2000	N/A	N/A	N/A	4.22	N/A	ZHE-2

10/31/2024

10:00

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Prep Standard - Chemical Standard Summary

Order ID : P4620

Test : SPLP PCB

Prepbatch ID : PB164566,

Sequence ID/Qc Batch ID: PO103124,PP103124,

Standard ID :
EP2539,EP2548,EP2554,PP23640,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,PP23858
,

Chemical ID :
E3551,E3788,E3792,E3793,E3804,E3805,E3815,E3819,M5178,P10483,P10500,P11507,P11512,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13350,P13351,P13372,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2539	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 4000.00000ml of E3792 + 4000.00000ml of E3793 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2548	10/16/2024	04/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 10/16/2024

FROM 1000.00000ml of W3112 + 4000.00000ml of M5178 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2554	10/26/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Rajesh Parikh 10/26/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP23640	09/09/2024	01/12/2025	Ankita Jodhani	None	None	Yogesh Patel 09/10/2024

FROM 0.50000ml of P12946 + 99.50000ml of E3788 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP23858	10/14/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani 10/14/2024

FROM 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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	04/15/2025	10/15/2024 / Rajesh	10/09/2024 / Rajesh	E3819

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	03/29/2026	05/25/2022 / william	04/05/2022 / william	M5178

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

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

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CHEMICAL RECEIPT LOG BOOK

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 #
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

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

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CHEMICAL RECEIPT LOG BOOK

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	01/12/2025	07/12/2024 / Abdul	12/20/2023 / Yogesh	P12946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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	04/14/2025	10/14/2024 / Abdul	04/22/2024 / Abdul	P13351

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

PRODUCTOS QUIMICOS 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_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS

avantor™ | J.T.Baker®

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 ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	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

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS

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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™ | J.T.Baker®

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

Acetone
CMOS

avantor™ | J.T.Baker®

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 ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	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

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

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™ | J.T.Baker®

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™ | J.T.Baker®

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_2SO_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

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

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_2SO_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 10/09/24

E 3819

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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	1,007.0 µg/mL	+/- 5.8683	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.9082	µg/mL	Unstressed
	Purity ----%		+/- 41.6868	µg/mL	Stressed
2	Aroclor 1260	1,008.0 µg/mL	+/- 5.8741	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.9399	µg/mL	Unstressed
	Purity ----%		+/- 41.7282	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10476
&
P10480

AR
02/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

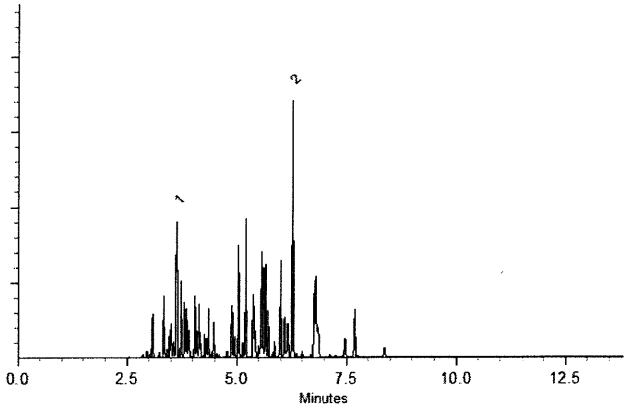
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

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
J
P10500

AJ
09/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

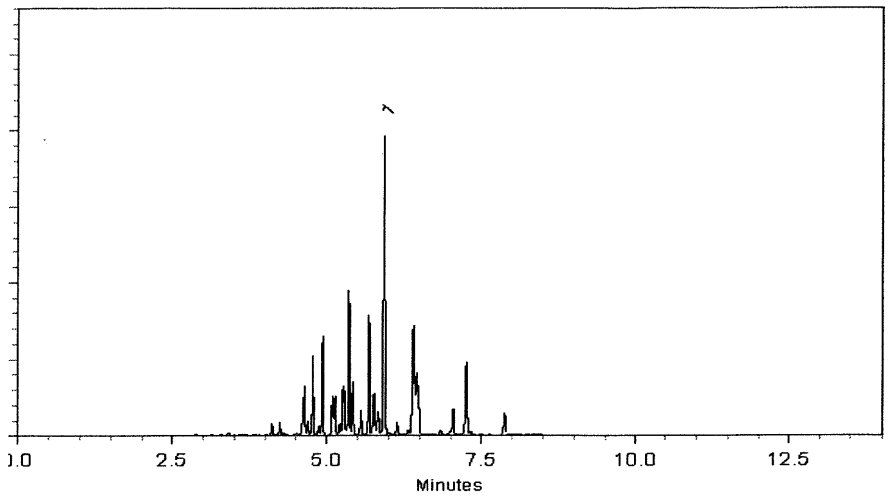
Carrier Gas:
helium-constant pressure 20 psi.

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 - Operations Tech I

Date Mixed: 03-Jan-2021 **Balance:** B707717271

Marlina 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

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
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 20ºC to 25ºC 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.

P11533 + P11537

AJ 02/21/22

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

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

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508 → P11512 AJ 12/21/22

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

RESTEK®
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Bellefonte, PA 16823-8812
Tel: (800)356-1688
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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 (S)
↓
P 11582

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

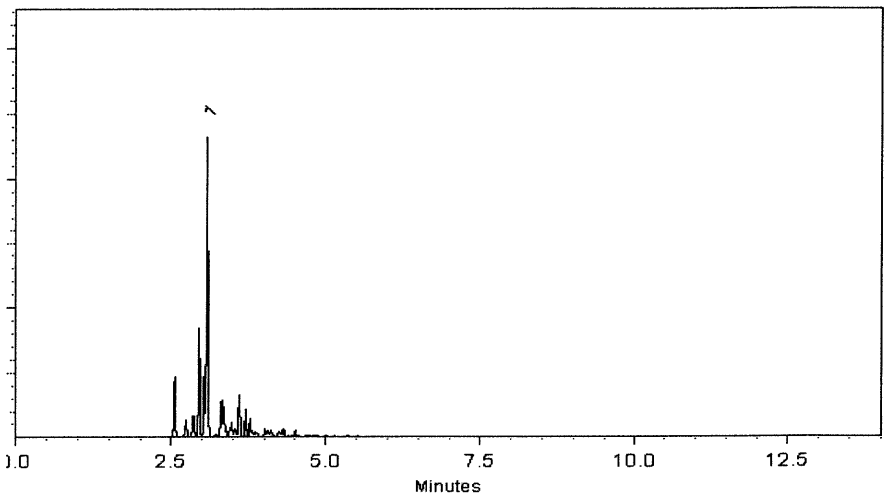
Carrier Gas:
helium-constant pressure 20 psi.

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 - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11578 ↓ P11582 (5)

AR 04/30/22

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Testing Laboratory
Certificate #3222.02

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 ↓ P11597 (S)

AR 04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

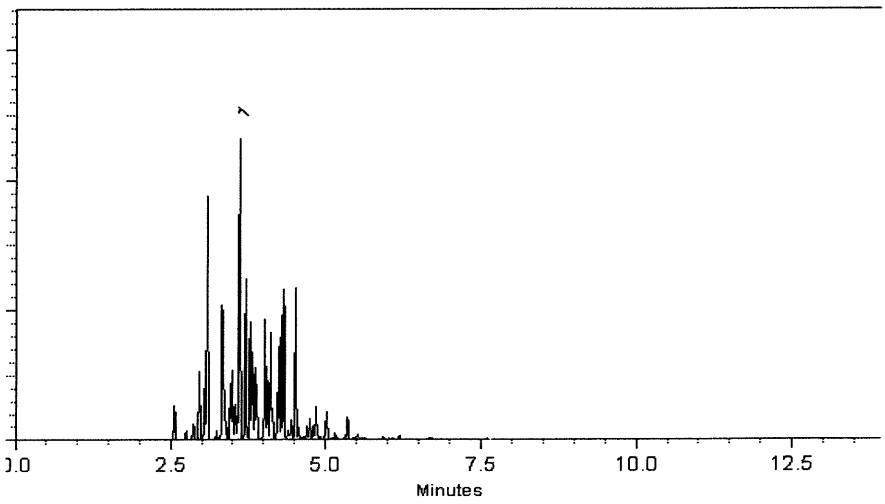
Carrier Gas:
helium-constant pressure 20 psi.

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 - Operations Tech I

Date Mixed: 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11583 ↓ P11587 (5)

AR 04/30/22

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437 µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL	Unstressed
	Purity ----%		+/- 41.4406 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588 ↓ P11592 | 5

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

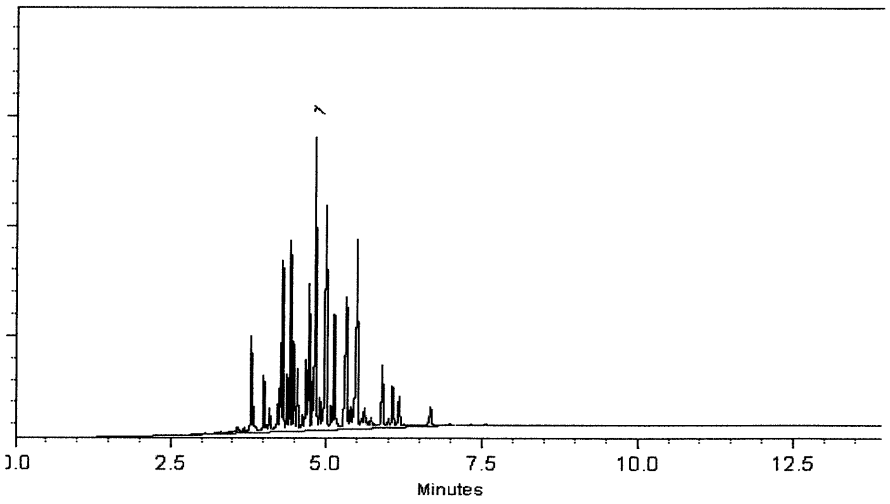
Carrier Gas:
helium-constant pressure 20 psi.

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 - Mix Technician

Date Mixed: 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11588 | (5)
1
P11592

AR
04/30/22

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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	1,001.4 µg/mL	+/- 5.9480 µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516 µg/mL	Unstressed
	Purity ----%		+/- 41.4710 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593 (5)
↓
P 11597

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

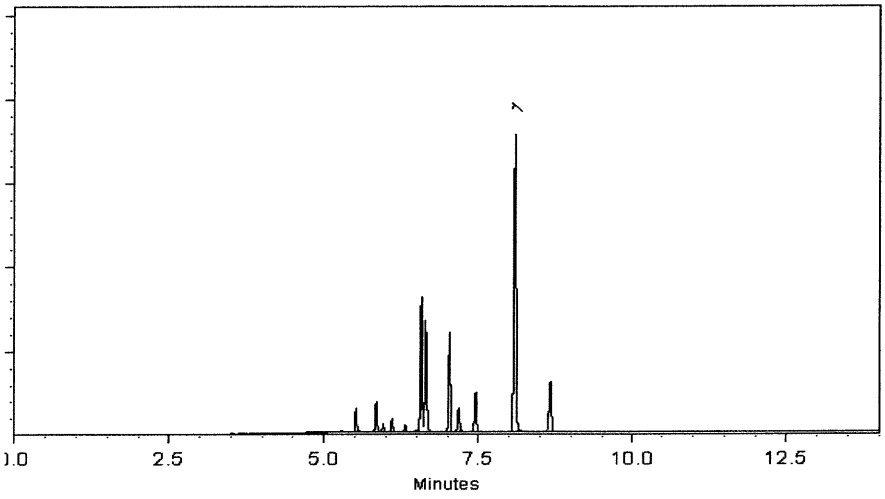
Carrier Gas:
helium-constant pressure 20 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022 **Balance:** 1128360905

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
04/30/2022

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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

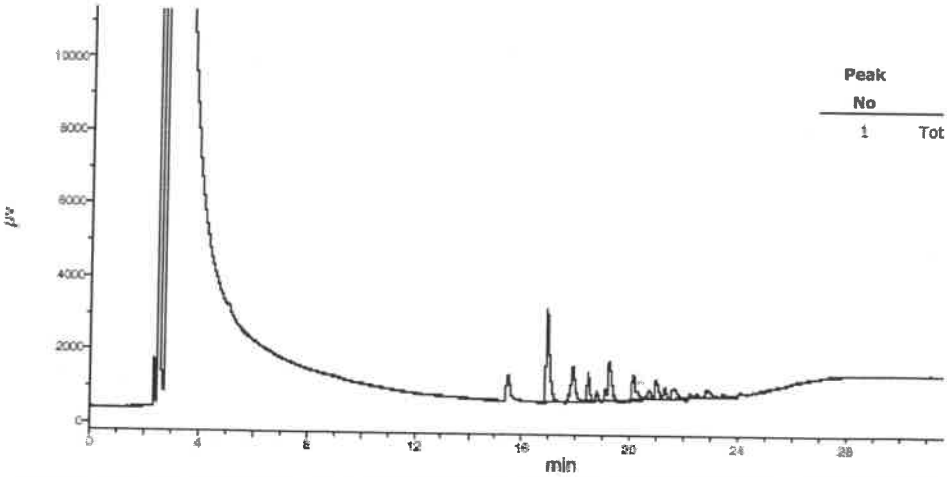
Solvent/ Acet

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	Targ Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

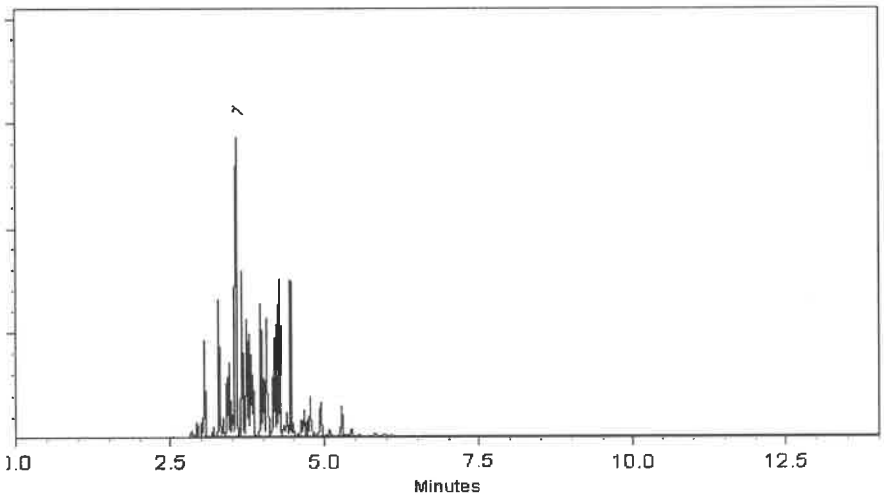
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.

P12933 ↓ P12937 AJ 12/07/23

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

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.)

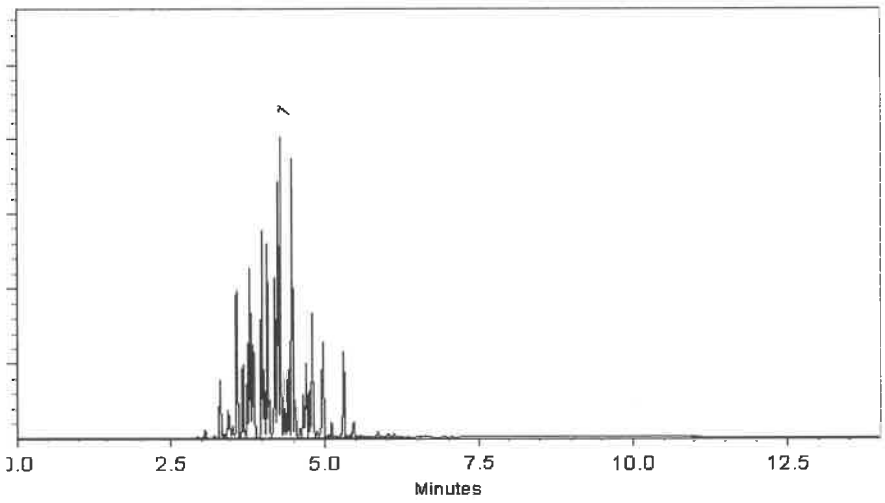
Inj. Temp:
250°C

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

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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

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

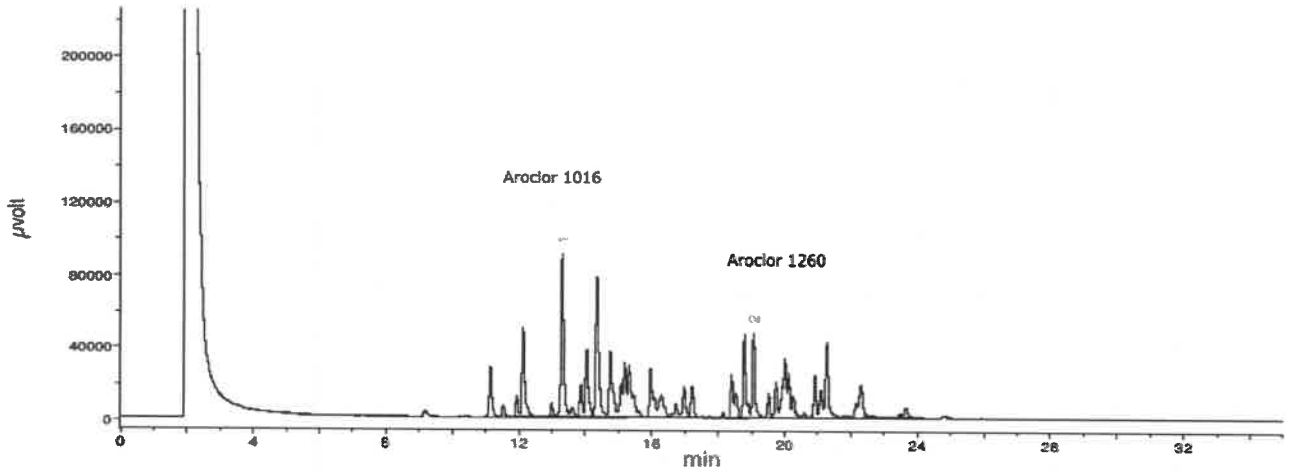
Formulated By: Benson Chan	022023 DATE
Reviewed By: Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20

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	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 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



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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

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

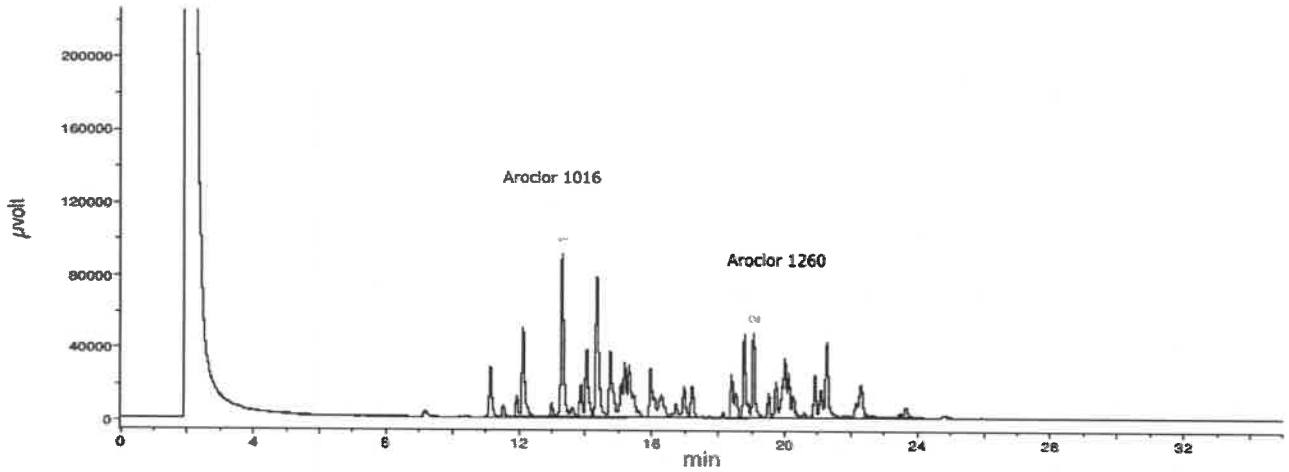
Formulated By: Benson Chan	022023 DATE
Reviewed By: Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20/23

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	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 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
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 99139
Lot Number: 121823
Description: Aroclor 1254

Solvent(s): Iso-octane **Lot#** 82227

Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.003 Flask Uncertainty

Volume(s) shown below were combined and diluted to (mL): 20.0

Note: Aroclor 1254 is a mix of isomers.

Formulated By: Anthony Mahoney	121823 DATE
Reviewed By: Pedro L. Rentas	121823 DATE

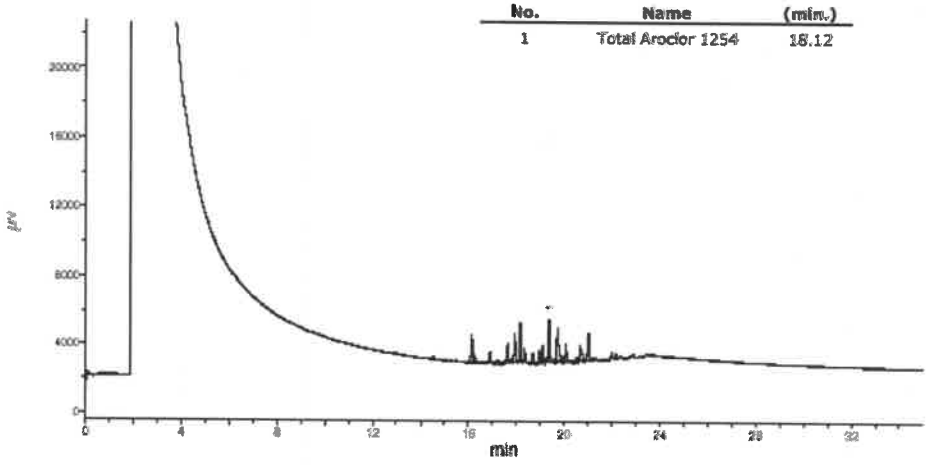
P12956 & P12957 Y.P 12/20/23

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 certifed (+/-) 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
Hydogen (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

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



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ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Aroclor 1262

Solvent(s): Hexane **Lot#** 273615

Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

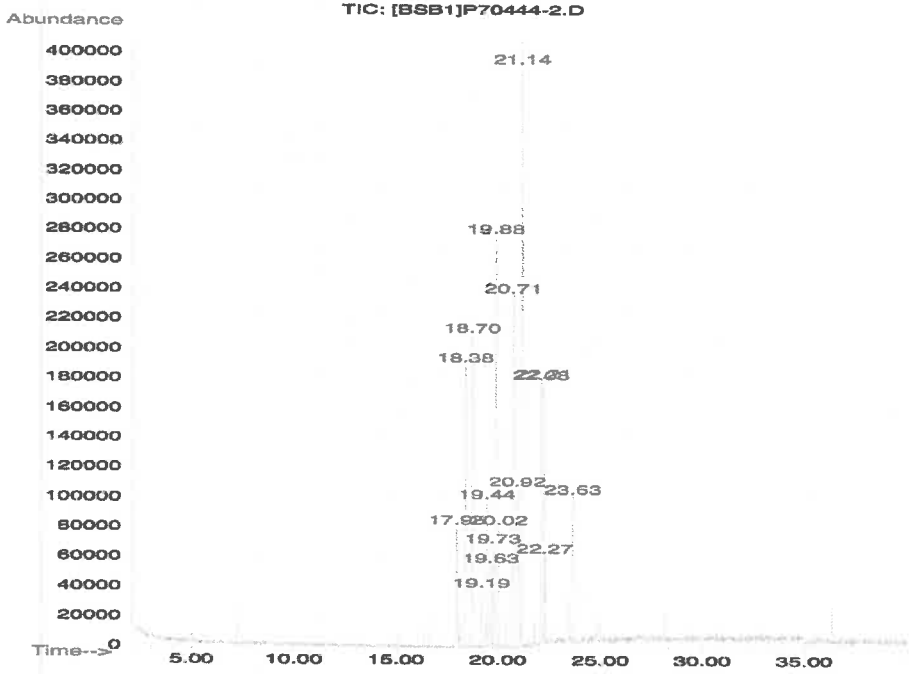
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.005 Flask Uncertainty

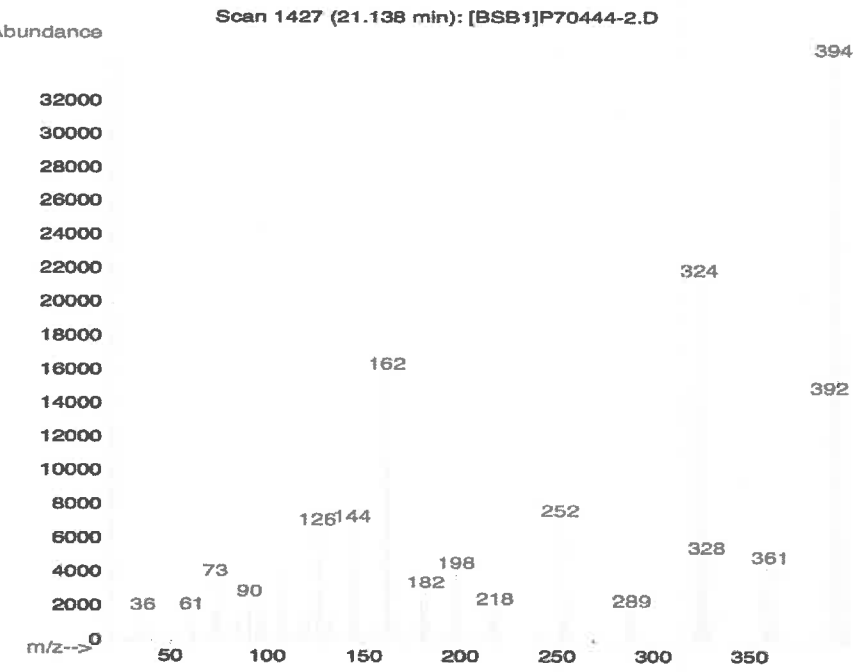
Formulated By:	Prashant Chauhan	112322 DATE
Reviewed By:	Pedro L. Rentas	112322 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	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.

P13032 2 P13033 Y.P 12/21/23





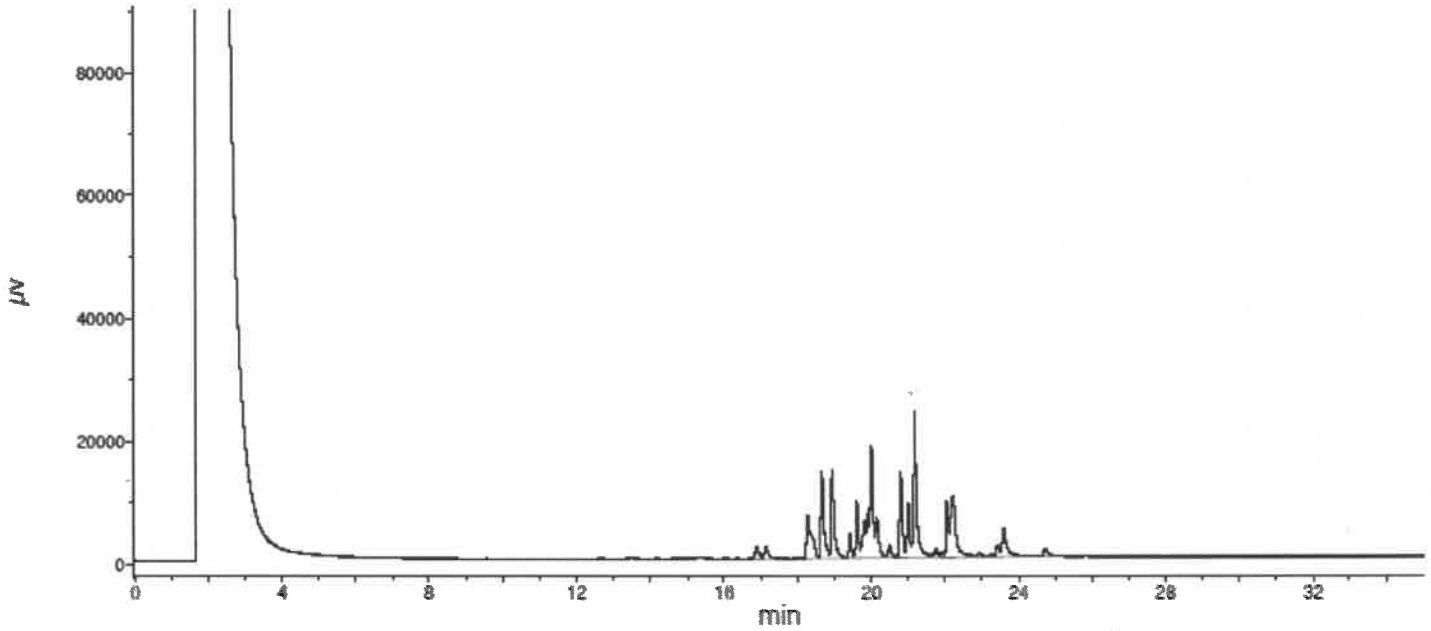
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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
Hydogen (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



RESTEK
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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P13348 (10) → P13357

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

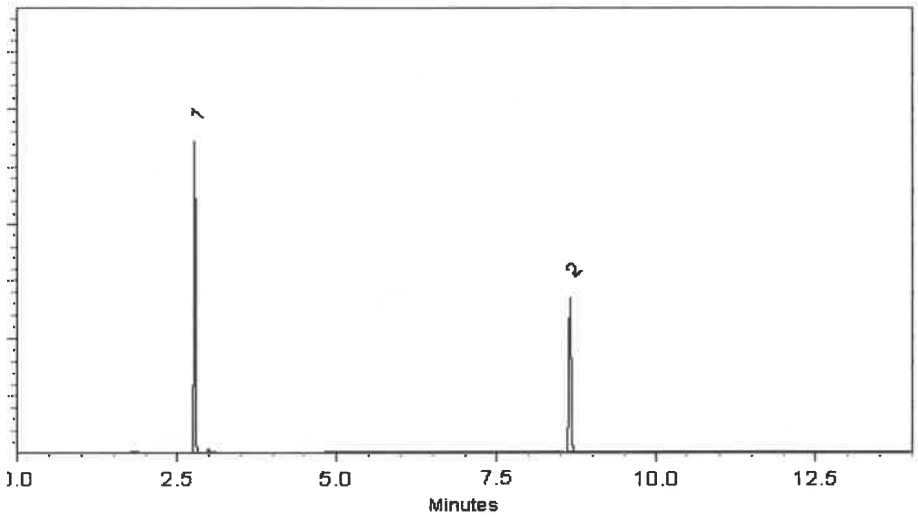
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
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P13357
04/25/2025

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04/25/2024

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Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
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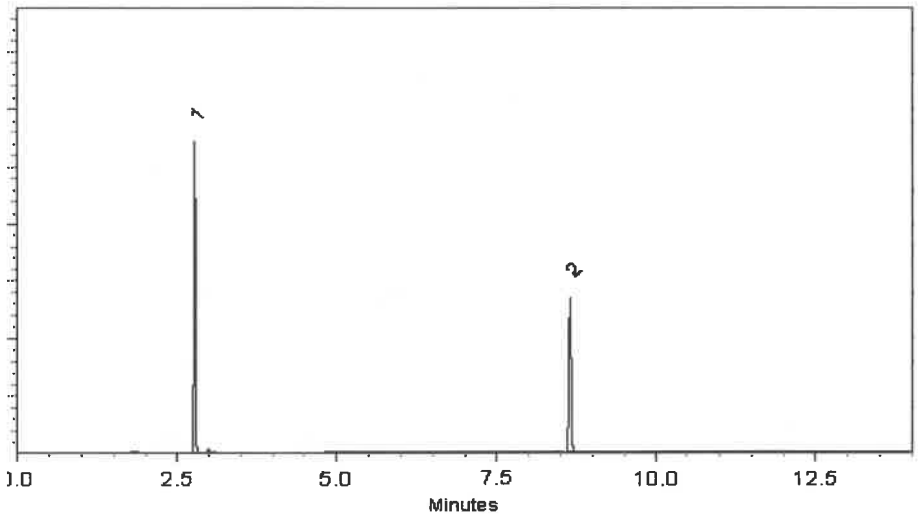

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Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348 (10)
↓
P13357
04/25/2025

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**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
05106124

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

Agilent

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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

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

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

P4620

USEPA

DateShipped: 10/29/2024

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 872/872A

Contact Name Sean Quinn

Contact Phone 732-425-1175

No: 2-1029-0300-0041-01

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-CF06-01	CF06	SPLP PCBs	Soil	10/29/2024	10:05	2	8 oz glass	4 C	N
	P001-CF06-01	CF06	EPH	Soil	10/29/2024	10:05	1	4 oz glass	4 C	N
	P001-CF06-01	CF06	SPLP EPH	Soil	10/29/2024	10:05	2	8 oz glass	4 C	N
	P001-CF07-01	CF07	SPLP PCBs	Soil	10/29/2024	10:10	2	8 oz glass	4 C	N
	P001-CF07-01	CF07	EPH	Soil	10/29/2024	10:10	1	4 oz glass	4 C	N
	P001-CF07-01	CF07	SPLP EPH	Soil	10/29/2024	10:10	2	8 oz glass	4 C	N
	P001-CF08-01	CF08	SPLP PCBs	Soil	10/29/2024	10:15	2	8 oz glass	4 C	N
	P001-CF08-01	CF08	EPH	Soil	10/29/2024	10:15	1	4 oz glass	4 C	N
	P001-CF08-01	CF08	SPLP EPH	Soil	10/29/2024	10:15	2	8 oz glass	4 C	N
	P001-CF09-01	CF09	SPLP PCBs	Soil	10/29/2024	10:20	2	8 oz glass	4 C	N
	P001-CF09-01	CF09	EPH	Soil	10/29/2024	10:20	1	4 oz glass	4 C	N
	P001-CF09-01	CF09	SPLP EPH	Soil	10/29/2024	10:20	2	8 oz glass	4 C	N
	P001-CF10-01	CF10	SPLP PCBs	Soil	10/29/2024	10:30	2	8 oz glass	4 C	N
	P001-CF10-01	CF10	EPH	Soil	10/29/2024	10:30	1	4 oz glass	4 C	N
	P001-CF10-01	CF10	SPLP EPH	Soil	10/29/2024	10:30	2	8 oz glass	4 C	N
	P001-CF11-01	CF11	SPLP PCBs	Soil	10/29/2024	10:40	2	8 oz glass	4 C	N
	P001-CF11-01	CF11	EPH	Soil	10/29/2024	10:40	1	4 oz glass	4 C	N
	P001-CF11-01	CF11	SPLP EPH	Soil	10/29/2024	10:40	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Sean.Quinn@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL ANALYSES	WESTON SOLUTIONS	10/29/24 1440		1500 10-29-24	IR Gun # 1 Temp 3.1°C Custody Seal intact Temp blank present

P4620

USEPA

DateShipped: 10/29/2024

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 872/872A

Contact Name Sean Quinn

Contact Phone 732-425-1175

No: 2-1029-0300-0041-01

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-CF12-01	CF12	SPLP PCBs	Soil	10/29/2024	10:45	2	8 oz glass	4 C	N
	P001-CF12-01	CF12	EPH	Soil	10/29/2024	10:45	1	4 oz glass	4 C	N
	P001-CF12-01	CF12	SPLP EPH	Soil	10/29/2024	10:45	2	8 oz glass	4 C	N
	P001-CF13-01	CF13	SPLP PCBs	Soil	10/29/2024	10:50	2	8 oz glass	4 C	N
	P001-CF13-01	CF13	EPH	Soil	10/29/2024	10:50	1	4 oz glass	4 C	N
	P001-CF13-01	CF13	SPLP EPH	Soil	10/29/2024	10:50	2	8 oz glass	4 C	N
	P001-CF14-01	CF14	SPLP PCBs	Soil	10/29/2024	10:55	2	8 oz glass	4 C	N
	P001-CF14-01	CF14	EPH	Soil	10/29/2024	10:55	1	4 oz glass	4 C	N
	P001-CF14-01	CF14	SPLP EPH	Soil	10/29/2024	10:55	2	8 oz glass	4 C	N
	P001-CF15-01	CF15	SPLP PCBs	Soil	10/29/2024	11:00	2	8 oz glass	4 C	N
	P001-CF15-01	CF15	EPH	Soil	10/29/2024	11:00	1	4 oz glass	4 C	N
	P001-CF15-01	CF15	SPLP EPH	Soil	10/29/2024	11:00	2	8 oz glass	4 C	N
	P001-CF16-01	CF16	SPLP PCBs	Soil	10/29/2024	11:05	4	8 oz glass	4 C	Y
	P001-CF16-01	CF16	EPH	Soil	10/29/2024	11:05	2	4 oz glass	4 C	Y
	P001-CF16-01	CF16	SPLP EPH	Soil	10/29/2024	11:05	4	8 oz glass	4 C	Y
	P001-CF16-02	CF16	SPLP PCBs	Soil	10/29/2024	11:10	2	8 oz glass	4 C	N
	P001-CF16-02	CF16	EPH	Soil	10/29/2024	11:10	1	4 oz glass	4 C	N
	P001-CF16-02	CF16	SPLP EPH	Soil	10/29/2024	11:10	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Sean.Quinn@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL ANALYSIS	WESTON SOLUTIONS	10/29/24 1440		10-29-24 1500	IR Gun #1 Temp 3.1 C Custody Seal intact Temp blank present

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