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

Cover Page

Order ID : Q1664

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q1664-01	P001-BBDGA-001-01
Q1664-02	P001-BBDGA-001-01MS
Q1664-03	P001-BBDGA-001-01MSD
Q1664-04	P001-BBDGA-001-01
Q1664-05	P001-BBDGA-001-01MS
Q1664-06	P001-BBDGA-001-01MSD
Q1664-07	P001-BBDGA-001-02
Q1664-08	P001-BBDGA-001-02
Q1664-09	P001-BBDGA-002-01
Q1664-10	P001-BBDGA-002-01
Q1664-11	P001-BBDGA-003-01
Q1664-12	P001-BBDGA-003-01
Q1664-13	P001-BBDGA-004-01
Q1664-14	P001-BBDGA-004-01
Q1664-15	P001-BBDGA-005-01
Q1664-16	P001-BBDGA-005-01
Q1664-17	P001-BBDGA-006-01
Q1664-18	P001-BBDGA-006-01
Q1664-19	P001-BBDGA-007-01
Q1664-20	P001-BBDGA-007-01
Q1664-21	P001-BBDGA-008-01
Q1664-22	P001-BBDGA-008-01

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

Signature : _____

Date: 4/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1664
Test Name: SPLP PCB

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 03/27/2025.

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

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F. Calculation for Concentration in Water Samples:

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

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 = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
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_____

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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: Q1664 MATRIX: Solid

METHOD: 8082A/3541

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1664

	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: MOHAMMAD AHMED **Date:** 04/07/2025

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LAB CHRONICLE

OrderID:	Q1664	**OrderDate:**	3/27/2025 10:47:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 905
Contact:	Smita Sumbaly	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1664-01	**P001-BBDGA-001-01**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-04	**P001-BBDGA-001-01**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
Q1664-07	**P001-BBDGA-001-02**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-08	**P001-BBDGA-001-02**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
Q1664-09	**P001-BBDGA-002-01**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-10	**P001-BBDGA-002-01**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
Q1664-11	**P001-BBDGA-003-01**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-12	**P001-BBDGA-003-01**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
Q1664-13	**P001-BBDGA-004-01**	**SOIL**			**03/26/25**			**03/27/25**

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LAB CHRONICLE

			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
Q1664-14	**P001-BBDGA-004-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25
Q1664-15	**P001-BBDGA-005-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-16	**P001-BBDGA-005-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25
Q1664-17	**P001-BBDGA-006-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-18	**P001-BBDGA-006-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	04/01/25
Q1664-19	**P001-BBDGA-007-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-20	**P001-BBDGA-007-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25
Q1664-21	**P001-BBDGA-008-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-22	**P001-BBDGA-008-01**	**WATER**			**03/26/25**		**03/27/25**

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LAB CHRONICLE

SPLP PCB	8082A	03/31/25	04/01/25

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Hit Summary Sheet
SW-846

SDG No.: Q1664 **Order ID:** Q1664

Client: Weston Solutions, Inc. **Project ID:** RFP 905

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC
SUMMARY

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

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109971.D	PIBLK-PO109971.D	Tetrachloro-m-xylene	1	20	18.5	93		60	140
		Decachlorobiphenyl	1	20	20.0	100		60	140
		Tetrachloro-m-xylene	2	20	18.6	93		60	140
		Decachlorobiphenyl	2	20	21.3	107		60	140
I.BLK-PO110122.D	PIBLK-PO110122.D	Tetrachloro-m-xylene	1	20	20.2	101		60	140
		Decachlorobiphenyl	1	20	20.1	101		60	140
		Tetrachloro-m-xylene	2	20	19.9	99		60	140
		Decachlorobiphenyl	2	20	18.6	93		60	140
PB167394BL	PB167394BL	Tetrachloro-m-xylene	1	20	19.4	97		16	158
		Decachlorobiphenyl	1	20	19.1	96		10	173
		Tetrachloro-m-xylene	2	20	18.9	94		16	158
		Decachlorobiphenyl	2	20	17.3	86		10	173
PB167394BS	PB167394BS	Tetrachloro-m-xylene	1	20	19.2	96		16	158
		Decachlorobiphenyl	1	20	20.0	100		10	173
		Tetrachloro-m-xylene	2	20	18.6	93		16	158
		Decachlorobiphenyl	2	20	18.3	91		10	173
PB167394TB	PB167394TB	Tetrachloro-m-xylene	1	20	20.3	101		16	158
		Decachlorobiphenyl	1	20	20.3	101		10	173
		Tetrachloro-m-xylene	2	20	19.8	99		16	158
		Decachlorobiphenyl	2	20	18.4	92		10	173
Q1664-04	P001-BBDGA-001-01	Tetrachloro-m-xylene	1	20	23.1	115		16	158
		Decachlorobiphenyl	1	20	23.1	116		10	173
		Tetrachloro-m-xylene	2	20	22.5	113		16	158
		Decachlorobiphenyl	2	20	20.6	103		10	173
Q1664-05MS	P001-BBDGA-001-01MS	Tetrachloro-m-xylene	1	20	22.8	114		16	158
		Decachlorobiphenyl	1	20	23.1	115		10	173
		Tetrachloro-m-xylene	2	20	22.1	110		16	158
		Decachlorobiphenyl	2	20	20.5	102		10	173
Q1664-06MSD	P001-BBDGA-001-01MSD	Tetrachloro-m-xylene	1	20	21.9	109		16	158
		Decachlorobiphenyl	1	20	22.6	113		10	173
		Tetrachloro-m-xylene	2	20	21.5	108		16	158
		Decachlorobiphenyl	2	20	21.1	105		10	173
Q1664-08	P001-BBDGA-001-02	Tetrachloro-m-xylene	1	20	22.8	114		16	158
		Decachlorobiphenyl	1	20	22.6	113		10	173
		Tetrachloro-m-xylene	2	20	22.6	113		16	158
		Decachlorobiphenyl	2	20	19.7	98		10	173
Q1664-10	P001-BBDGA-002-01	Tetrachloro-m-xylene	1	20	22.3	111		16	158
		Decachlorobiphenyl	1	20	21.7	109		10	173
		Tetrachloro-m-xylene	2	20	22.2	111		16	158
		Decachlorobiphenyl	2	20	19.3	96		10	173
Q1664-12	P001-BBDGA-003-01	Tetrachloro-m-xylene	1	20	23.5	117		16	158

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Surrogate Summary

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1664-12	P001-BBDGA-003-01	Decachlorobiphenyl	1	20	24.0	120		10	173
		Tetrachloro-m-xylene	2	20	23.1	116		16	158
		Decachlorobiphenyl	2	20	21.0	105		10	173
Q1664-14	P001-BBDGA-004-01	Tetrachloro-m-xylene	1	20	23.5	117		16	158
		Decachlorobiphenyl	1	20	22.5	112		10	173
		Tetrachloro-m-xylene	2	20	23.1	116		16	158
		Decachlorobiphenyl	2	20	19.9	99		10	173
I.BLK-PO110137.D	PIBLK-PO110137.D	Tetrachloro-m-xylene	1	20	20.3	101		60	140
		Decachlorobiphenyl	1	20	21.9	109		60	140
		Tetrachloro-m-xylene	2	20	20.2	101		60	140
		Decachlorobiphenyl	2	20	19.3	97		60	140
I.BLK-PO110143.D	PIBLK-PO110143.D	Tetrachloro-m-xylene	1	20	18.3	92		60	140
		Decachlorobiphenyl	1	20	20.1	101		60	140
		Tetrachloro-m-xylene	2	20	17.6	88		60	140
		Decachlorobiphenyl	2	20	17.2	86		60	140
Q1664-18	P001-BBDGA-006-01	Tetrachloro-m-xylene	1	20	21.8	109		16	158
		Decachlorobiphenyl	1	20	21.9	110		10	173
		Tetrachloro-m-xylene	2	20	20.7	104		16	158
		Decachlorobiphenyl	2	20	18.6	93		10	173
Q1664-22	P001-BBDGA-008-01	Tetrachloro-m-xylene	1	20	19.9	100		16	158
		Decachlorobiphenyl	1	20	21.5	108		10	173
		Tetrachloro-m-xylene	2	20	19.2	96		16	158
		Decachlorobiphenyl	2	20	18.5	92		10	173
I.BLK-PO110151.D	PIBLK-PO110151.D	Tetrachloro-m-xylene	1	20	18.1	91		60	140
		Decachlorobiphenyl	1	20	20.2	101		60	140
		Tetrachloro-m-xylene	2	20	17.6	88		60	140
		Decachlorobiphenyl	2	20	17.4	87		60	140
I.BLK-PP070916.D	PIBLK-PP070916.D	Tetrachloro-m-xylene	1	20	18.8	94		60	140
		Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	18.1	91		60	140
		Decachlorobiphenyl	2	20	23.4	117		60	140
I.BLK-PP071022.D	PIBLK-PP071022.D	Tetrachloro-m-xylene	1	20	19.5	98		60	140
		Decachlorobiphenyl	1	20	22.1	110		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	19.0	95		60	140
Q1664-16	P001-BBDGA-005-01	Tetrachloro-m-xylene	1	20	30.5	152		16	158
		Decachlorobiphenyl	1	20	31.9	160		10	173
		Tetrachloro-m-xylene	2	20	28.8	144		16	158
		Decachlorobiphenyl	2	20	29.4	147		10	173
Q1664-20	P001-BBDGA-007-01	Tetrachloro-m-xylene	1	20	28.9	145		16	158
		Decachlorobiphenyl	1	20	28.4	142		10	173

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Surrogate Summary

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1664-20	P001-BBDGA-007-01	Tetrachloro-m-xylene	2	20	28.8	144		16	158
		Decachlorobiphenyl	2	20	26.3	132		10	173
I.BLK-PP071031.D	PIBLK-PP071031.D	Tetrachloro-m-xylene	1	20	20.1	100		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	20.0	100		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8082A **DataFile :** PO110127.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-BBDGA-001-01MS**											
Q1664-05MS	AR1016	5	0	5.30	ug/L	106				66	146	
	AR1260	5	0	5.20	ug/L	104				49	147	

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8082A **DataFile :** PO110128.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-BBDGA-001-01MSD**											
Q1664-06MSD	AR1016	5	0	5.10	ug/L	102		4		66	146	20
	AR1260	5	0	5.20	ug/L	104		0		49	147	20

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8082A **Datafile :** PO110124.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167394BS	AR1016	5	4.20	ug/L	84				61	112	
	AR1260	5	4.10	ug/L	82				66	113	

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167394BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: PB167394BL Lab File ID: PO110123.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 03/31/2025

Date Analyzed (1): 03/31/2025 Date Analyzed (2): 03/31/2025

Time Analyzed (1): 17:59 Time Analyzed (2): 17:59

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167394BS	PB167394BS	PO110124.D	03/31/2025	03/31/2025
PB167394TB	PB167394TB	PO110125.D	03/31/2025	03/31/2025
P001-BBDGA-001-01	Q1664-04	PO110126.D	03/31/2025	03/31/2025
P001-BBDGA-001-01MS	Q1664-05MS	PO110127.D	03/31/2025	03/31/2025
P001-BBDGA-001-01MSD	Q1664-06MSD	PO110128.D	03/31/2025	03/31/2025
P001-BBDGA-001-02	Q1664-08	PO110129.D	03/31/2025	03/31/2025
P001-BBDGA-002-01	Q1664-10	PO110130.D	03/31/2025	03/31/2025
P001-BBDGA-003-01	Q1664-12	PO110131.D	03/31/2025	03/31/2025
P001-BBDGA-004-01	Q1664-14	PO110132.D	03/31/2025	03/31/2025
P001-BBDGA-006-01	Q1664-18	PO110145.D	04/01/2025	04/01/2025
P001-BBDGA-008-01	Q1664-22	PO110146.D	04/01/2025	04/01/2025
P001-BBDGA-005-01	Q1664-16	PP071023.D	03/31/2025	03/31/2025
P001-BBDGA-007-01	Q1664-20	PP071025.D	03/31/2025	03/31/2025

COMMENTS:

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SAMPLE DATA

Raw Data: **PO110125.D**

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 905	Date Received:	03/31/25
Client Sample ID:	PB167394TB	SDG No.:	Q1664
Lab Sample ID:	PB167394TB	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
PO110125.D	1	03/31/25 11:35	03/31/25 18:36	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		16 - 158	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		10 - 173	101%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:36
Operator : YP/AJ
Sample : PB167394TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167394TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	184.5E6	104.0E6	20.276	19.825
2)	SA Decachlor...	8.745	8.696	155.7E6	44742562	20.252	18.442
	Target Compounds						

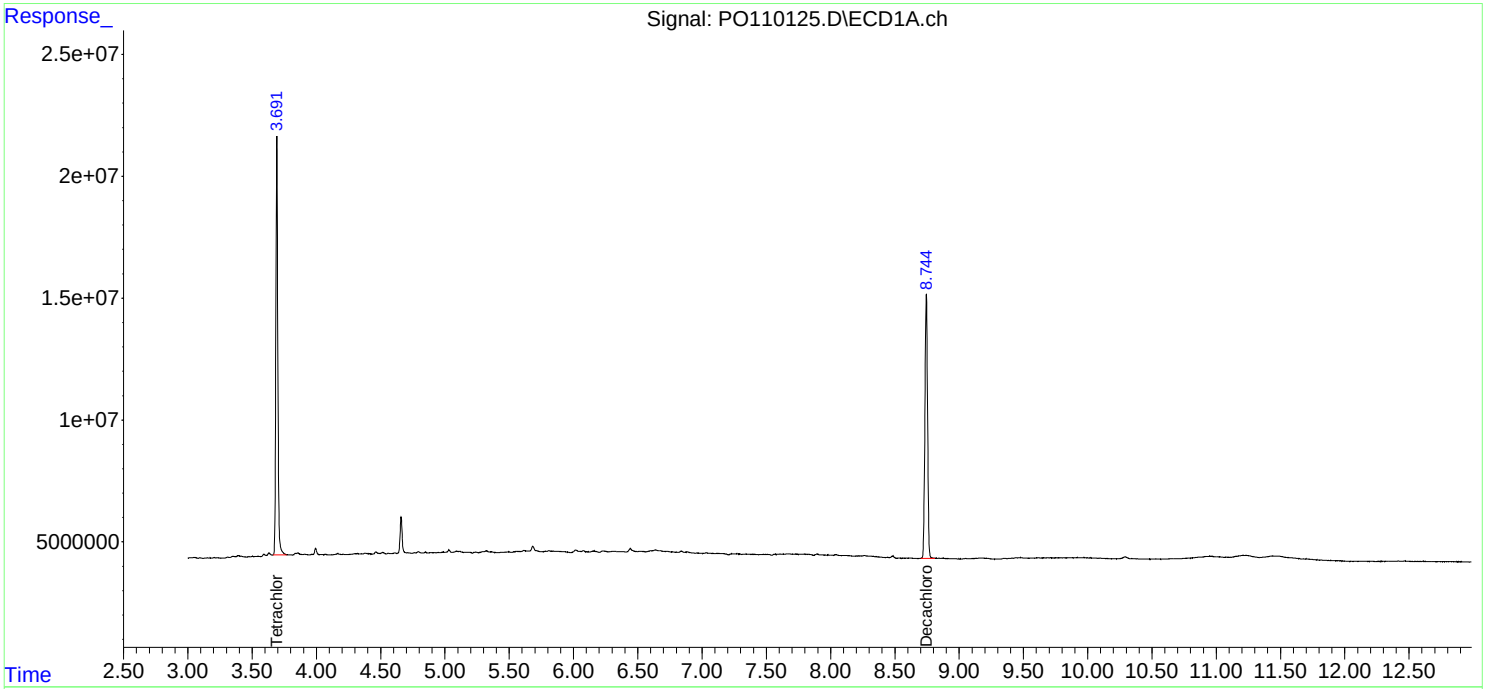
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

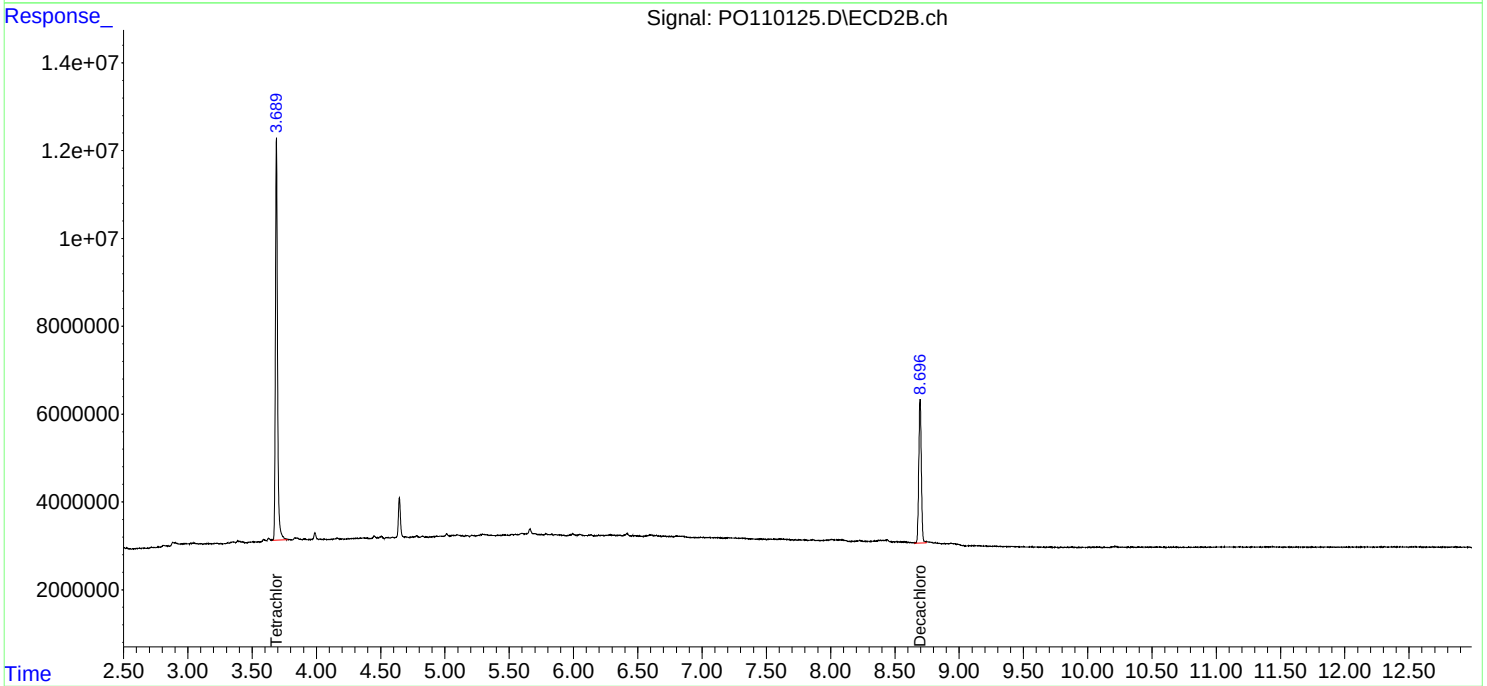
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:36
Operator : YP/AJ
Sample : PB167394TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

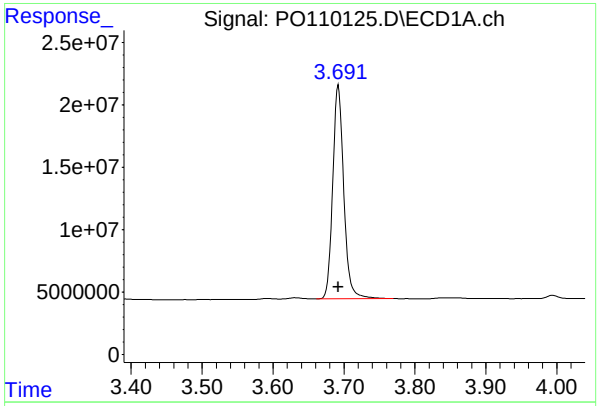
Instrument :
ECD_O
ClientSampleId :
PB167394TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



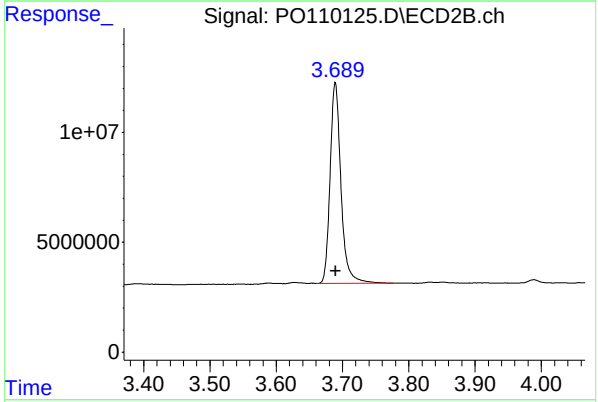




#1 Tetrachloro-m-xylene

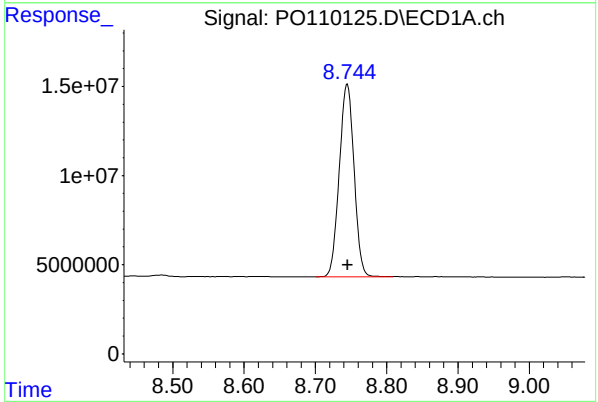
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 184545596
Conc: 20.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394TB



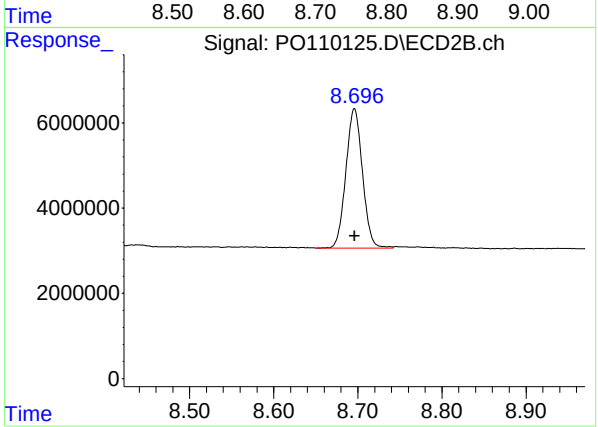
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 103963926
Conc: 19.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 155707035
Conc: 20.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 44742562
Conc: 18.44 ng/ml

Raw Data: **PO110126.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-04	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
PO110126.D	1	03/31/25 11:35	03/31/25 18:54	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		16 - 158	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		10 - 173	116%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110126.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:54
Operator : YP/AJ
Sample : Q1664-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	209.8E6	118.0E6	23.051	22.496
2)	SA Decachlor...	8.744	8.696	177.7E6	50021886	23.110	20.618
	Target Compounds						

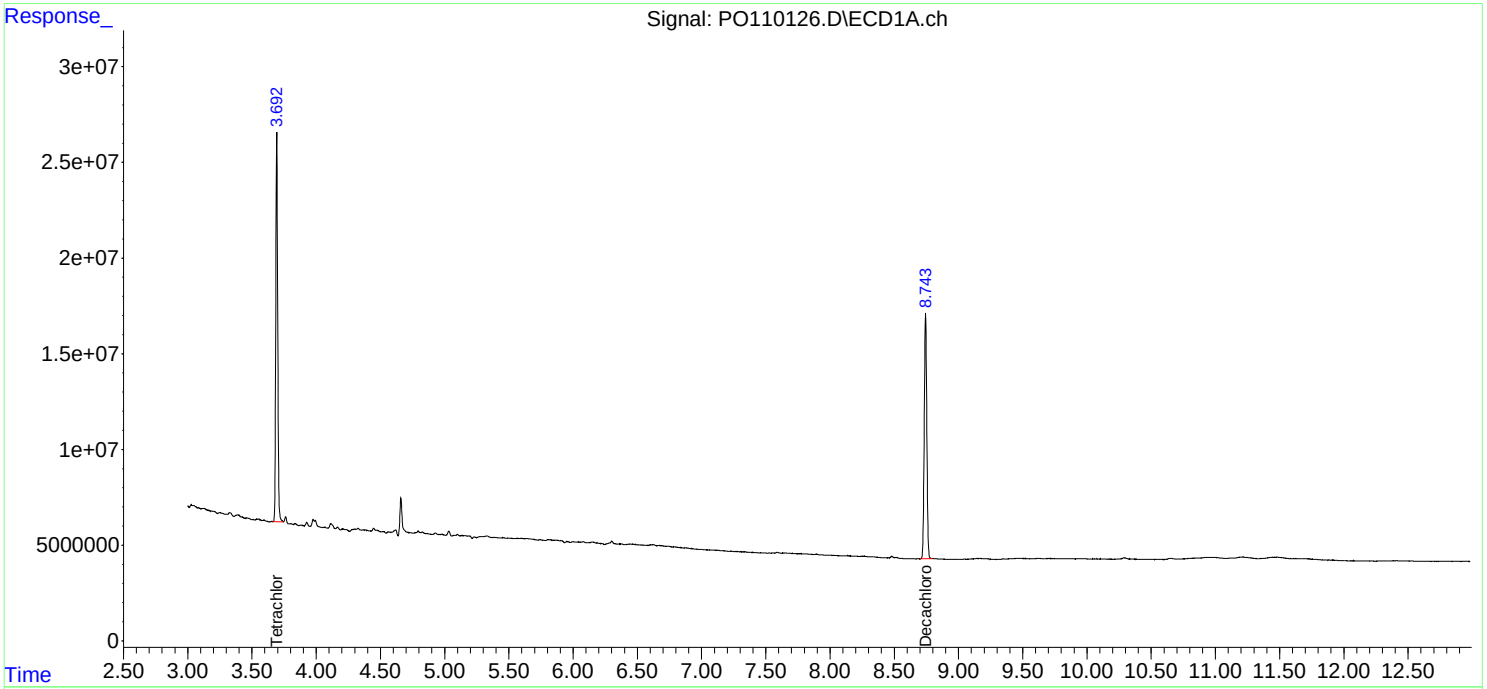
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

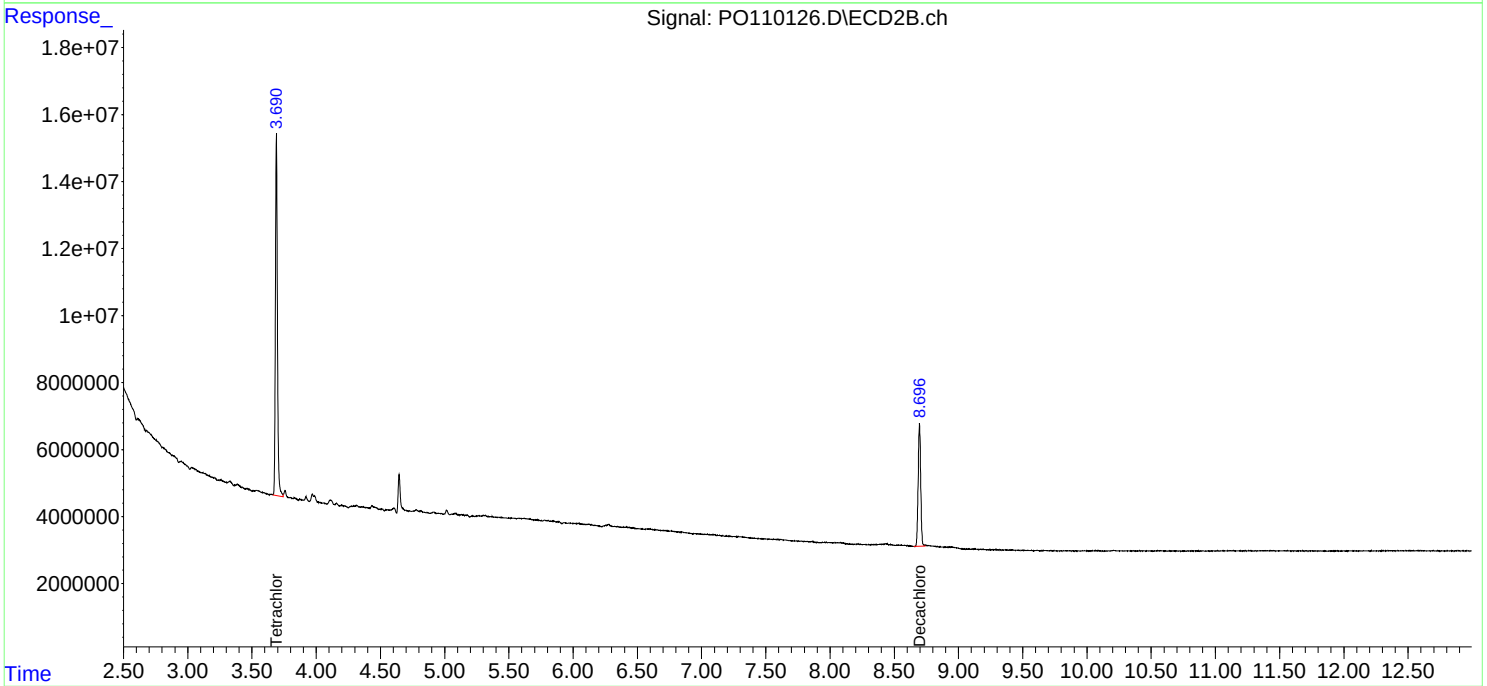
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:54
Operator : YP/AJ
Sample : Q1664-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

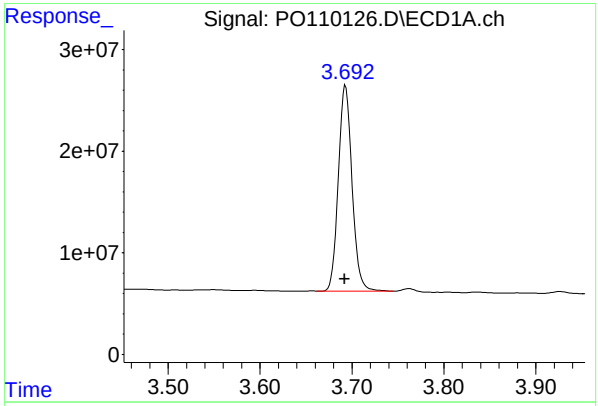
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



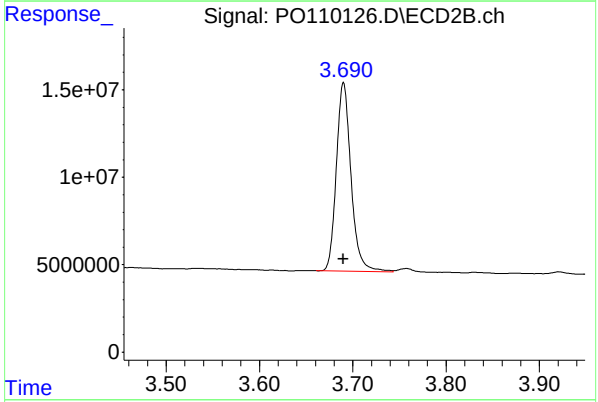




#1 Tetrachloro-m-xylene

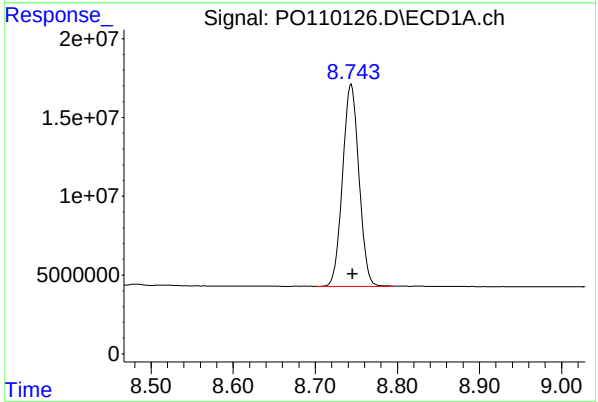
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 209798766
Conc: 23.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01



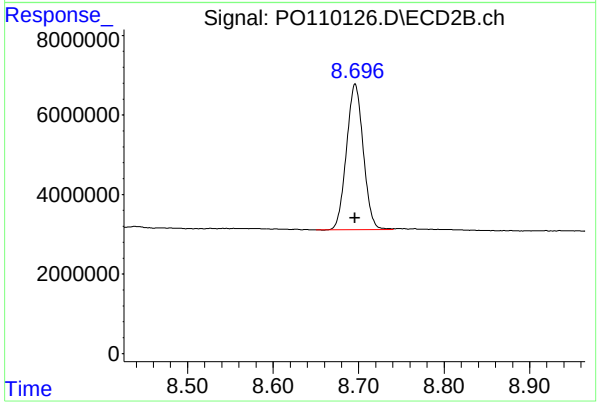
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 117973180
Conc: 22.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.002 min
Response: 177684643
Conc: 23.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 50021886
Conc: 20.62 ng/ml

Raw Data: **PO110129.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	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
PO110129.D	1	03/31/25 11:35	03/31/25 19:48	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		16 - 158	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		10 - 173	113%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110129.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:48
Operator : YP/AJ
Sample : Q1664-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:57:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.689	207.4E6	118.4E6	22.789	22.572
2)	SA Decachlor...	8.742	8.694	173.5E6	47750810	22.567	19.682
	Target Compounds						

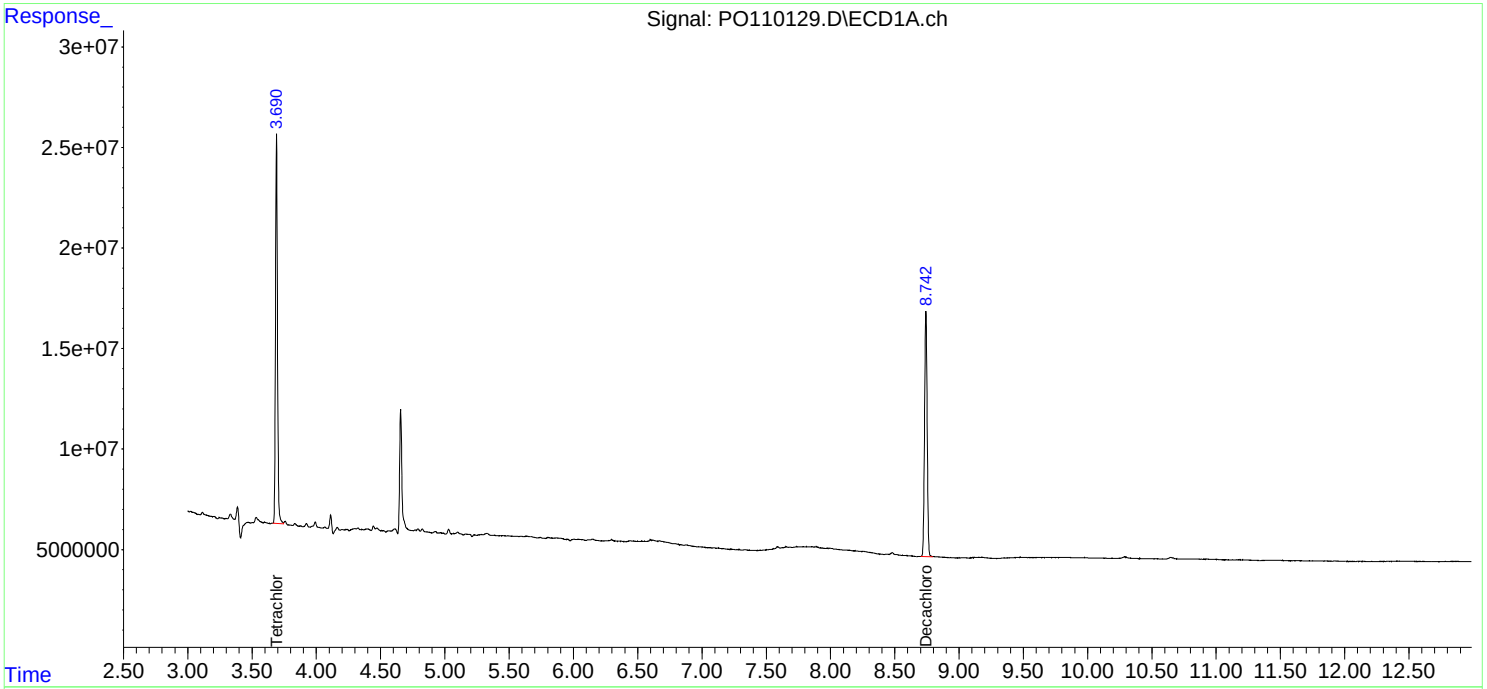
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

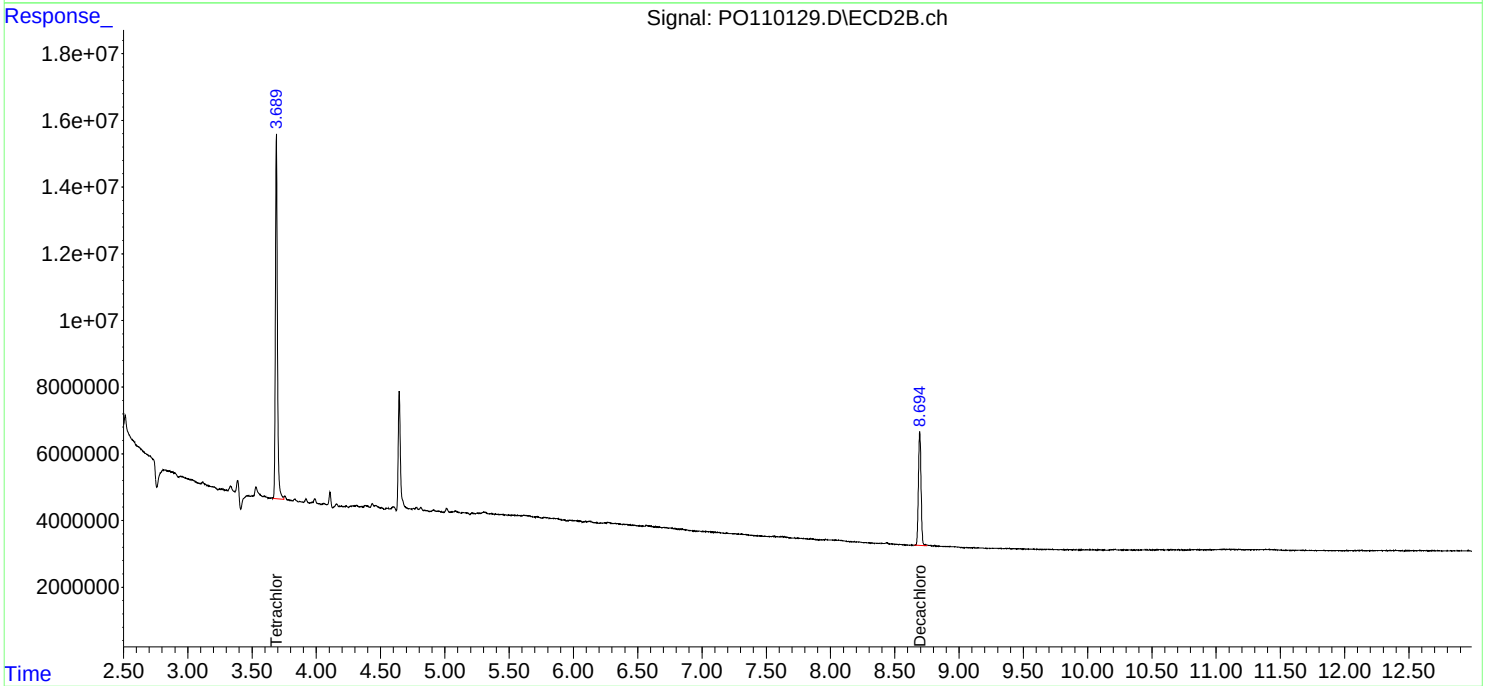
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:48
Operator : YP/AJ
Sample : Q1664-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

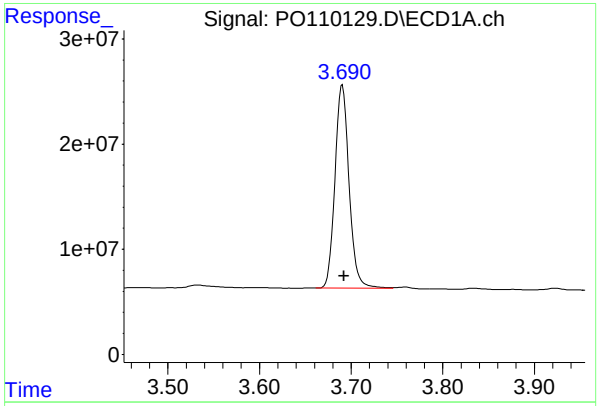
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:57:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



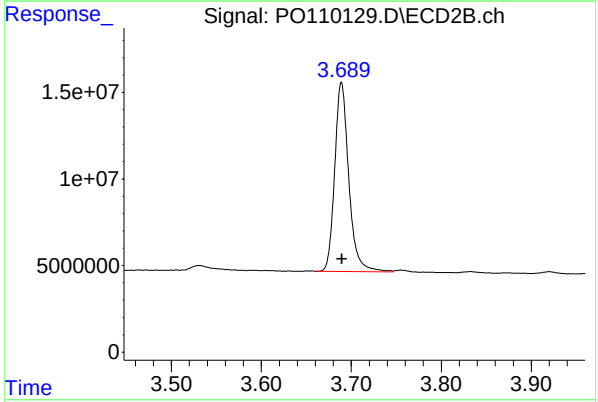




#1 Tetrachloro-m-xylene

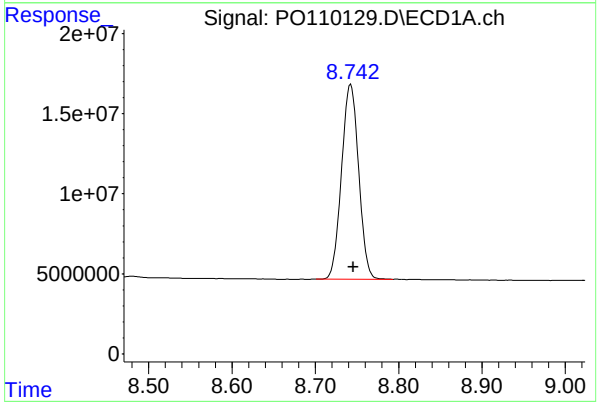
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 207412554
Conc: 22.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-02



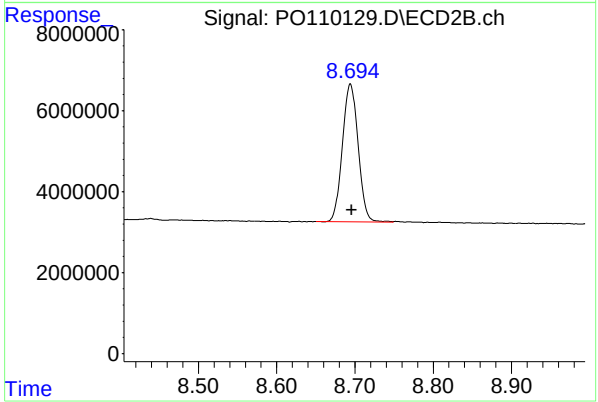
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 118370174
Conc: 22.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.003 min
Response: 173512247
Conc: 22.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 47750810
Conc: 19.68 ng/ml

Raw Data: **PO110130.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-10	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
PO110130.D	1	03/31/25 11:35	03/31/25 20:07	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		16 - 158	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		10 - 173	109%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110130.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:07
Operator : YP/AJ
Sample : Q1664-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-002-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:57:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.706	202.8E6	116.3E6	22.284	22.173
2)	SA Decachlor...	8.744	8.711	167.0E6	46716881	21.720	19.256
	Target Compounds						

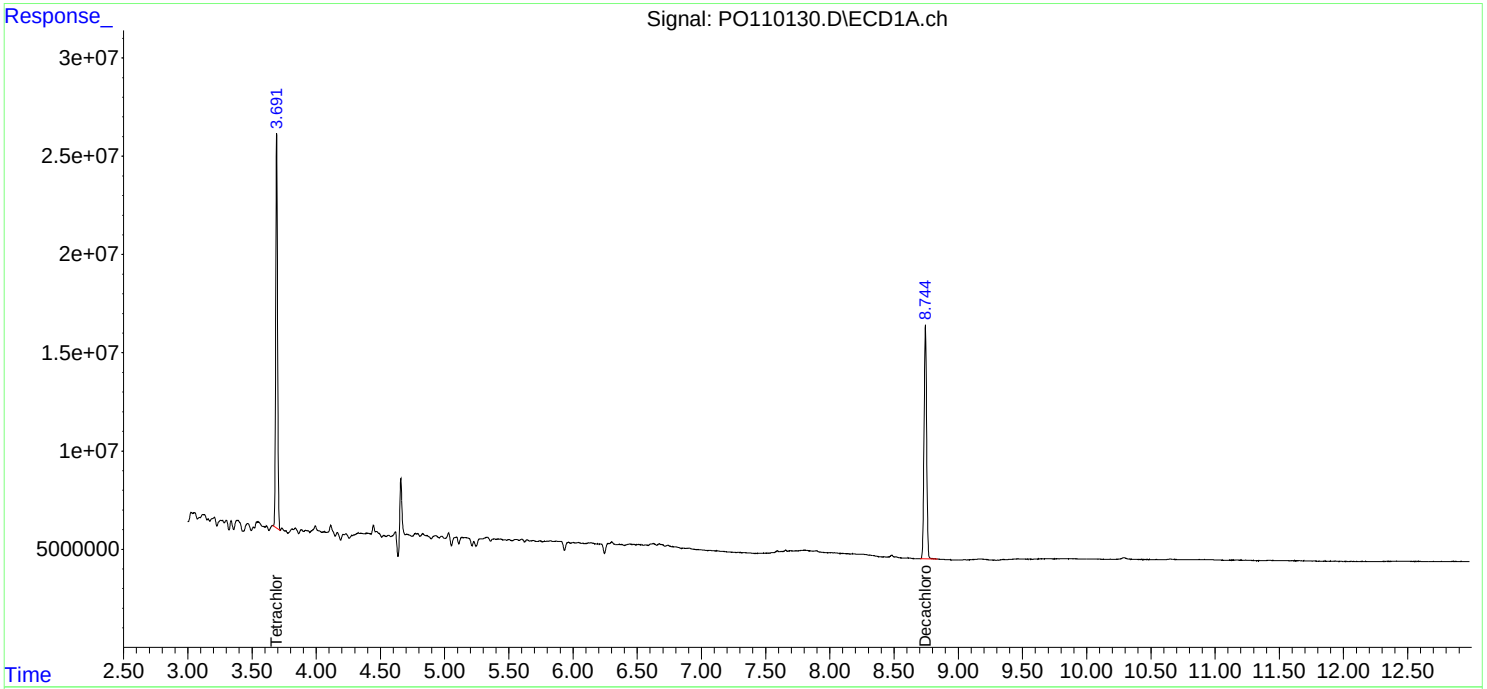
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

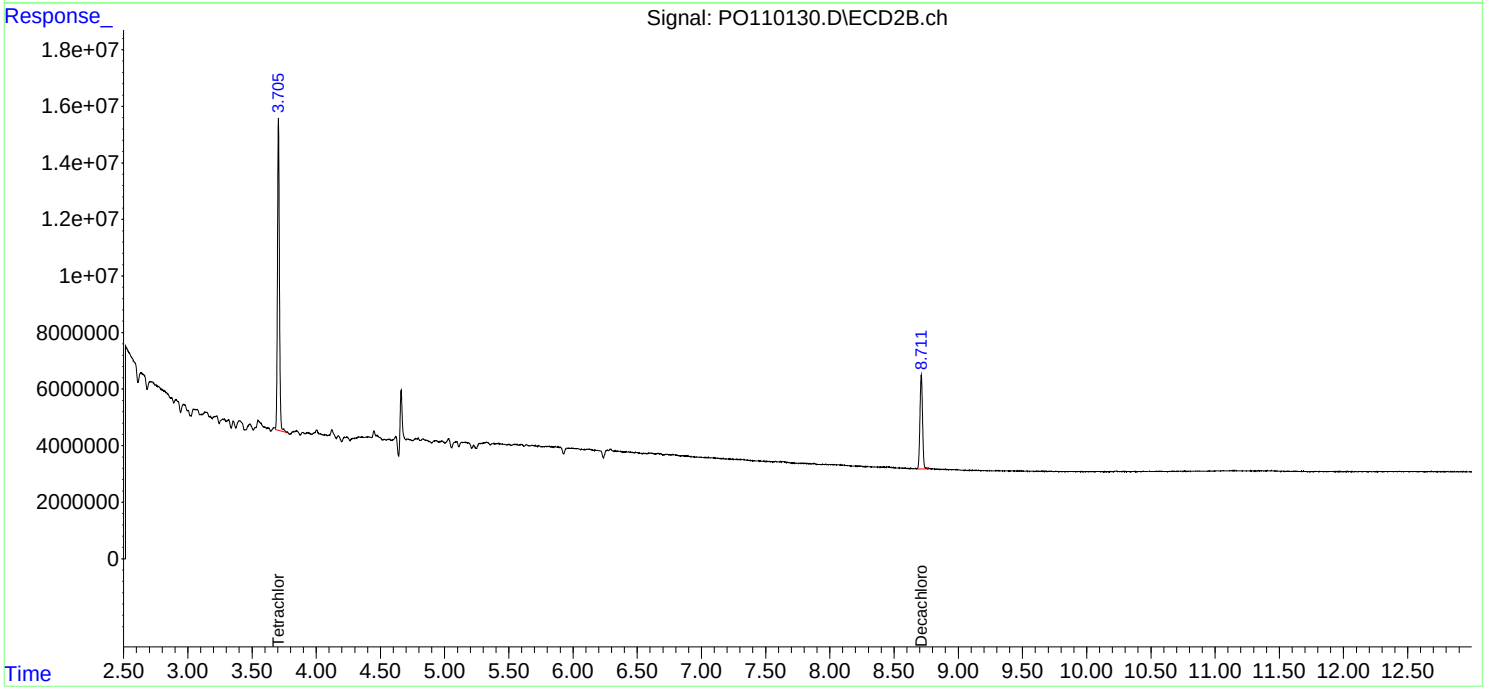
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:07
Operator : YP/AJ
Sample : Q1664-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

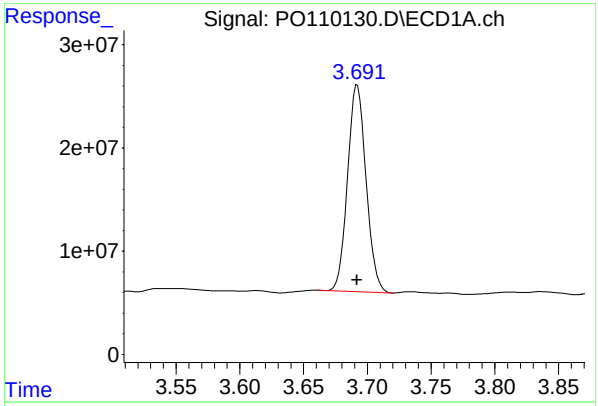
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-002-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:57:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



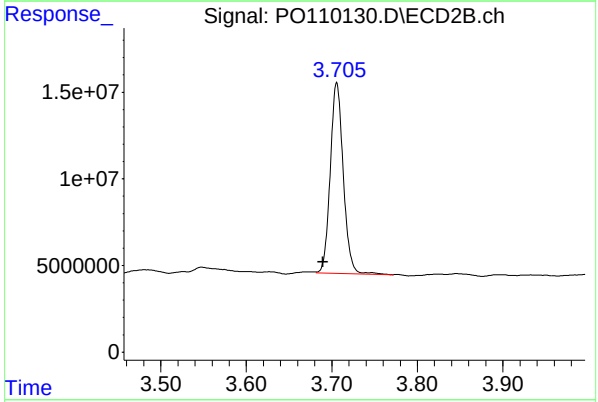




#1 Tetrachloro-m-xylene

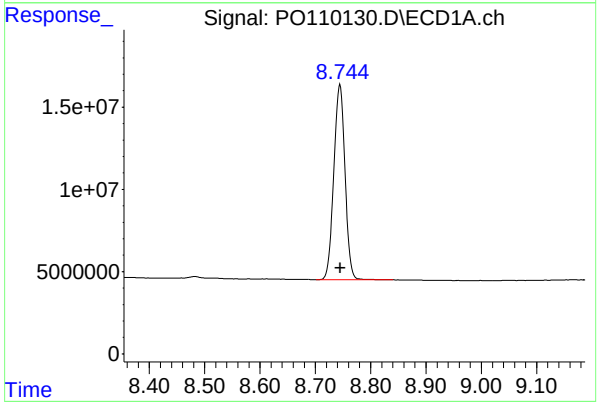
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 202813737
Conc: 22.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-002-01



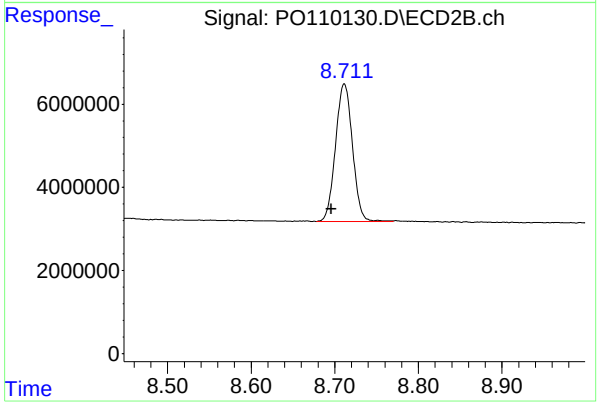
#1 Tetrachloro-m-xylene

R.T.: 3.706 min
Delta R.T.: 0.016 min
Response: 116278323
Conc: 22.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 166998121
Conc: 21.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: 0.016 min
Response: 46716881
Conc: 19.26 ng/ml

Raw Data: **PO110131.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-12	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
PO110131.D	1	03/31/25 11:35	03/31/25 20:25	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		16 - 158	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		10 - 173	120%	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)

Sample Results: **PO110131.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:25
Operator : YP/AJ
Sample : Q1664-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-003-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:57:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	213.9E6	121.1E6	23.503	23.095
2)	SA Decachlor...	8.744	8.697	184.4E6	50890628	23.982	20.976
	Target Compounds						

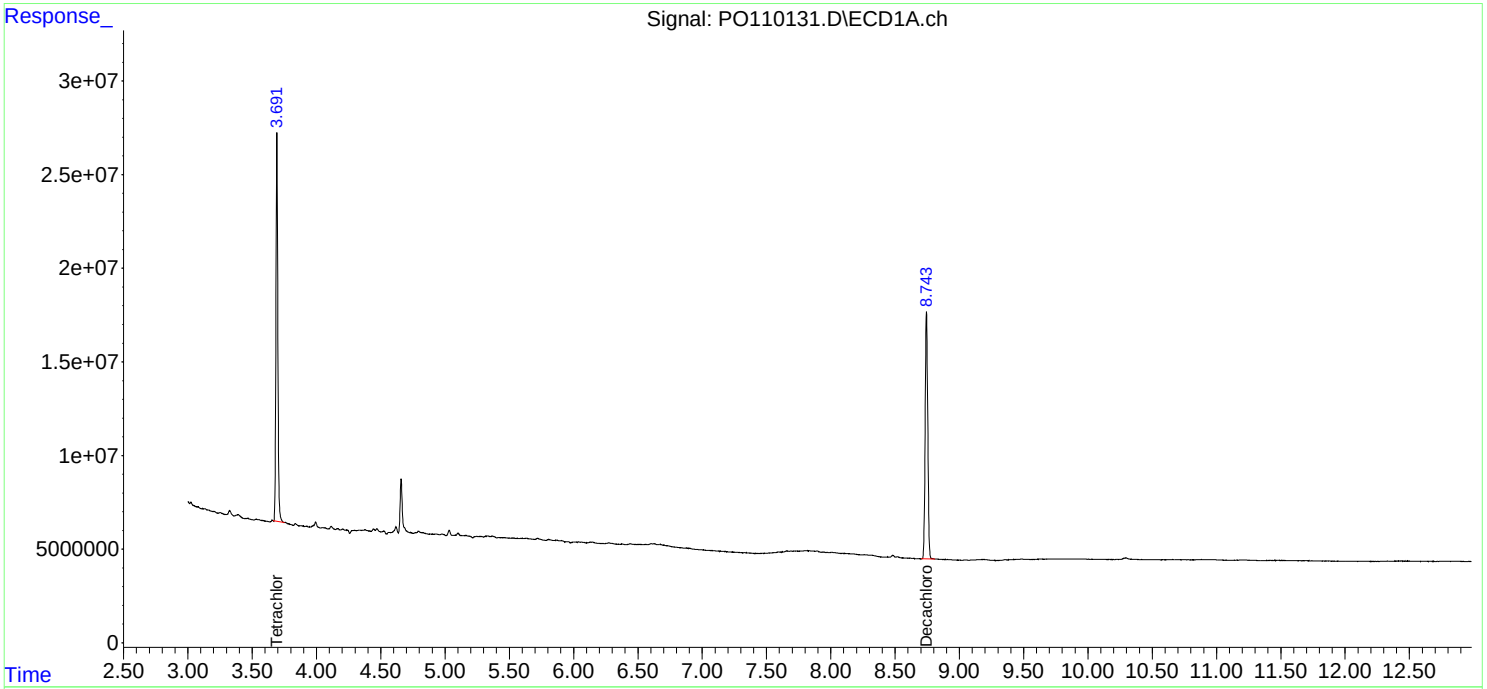
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

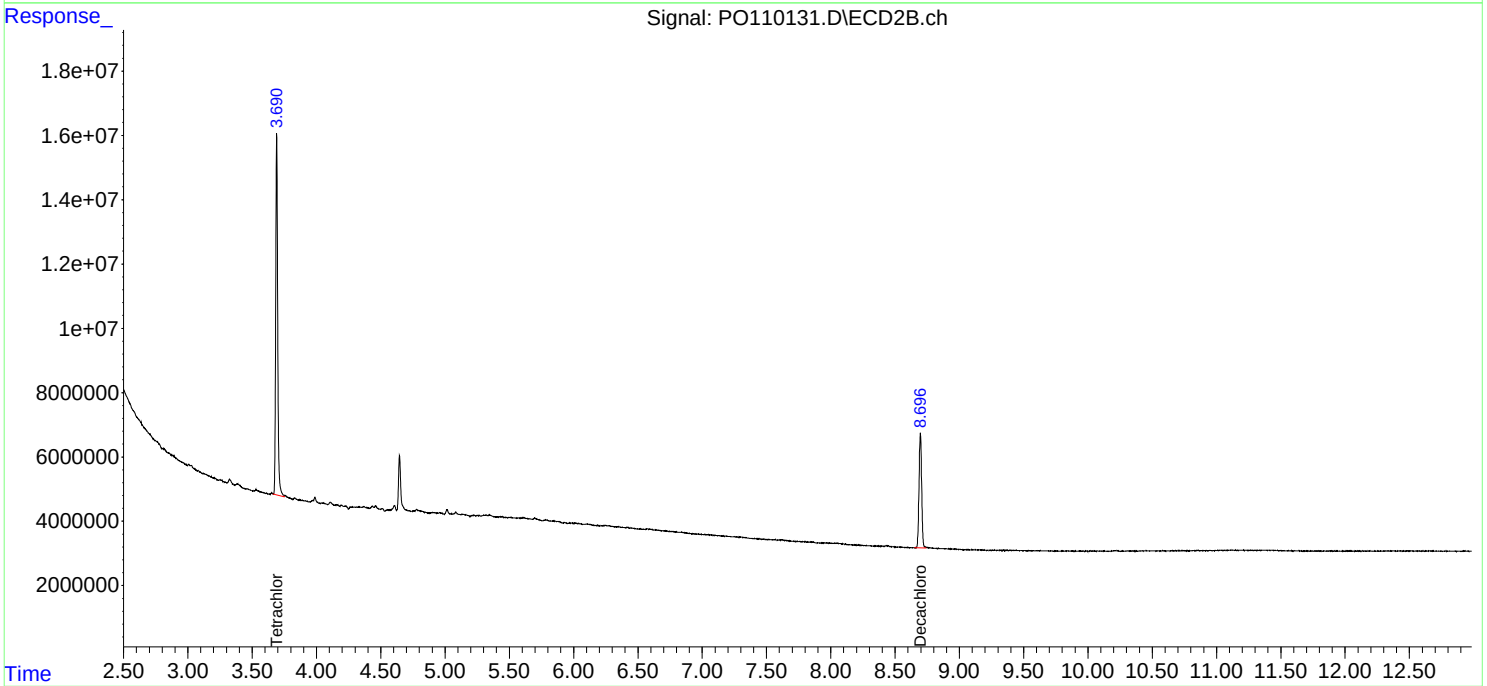
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:25
Operator : YP/AJ
Sample : Q1664-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

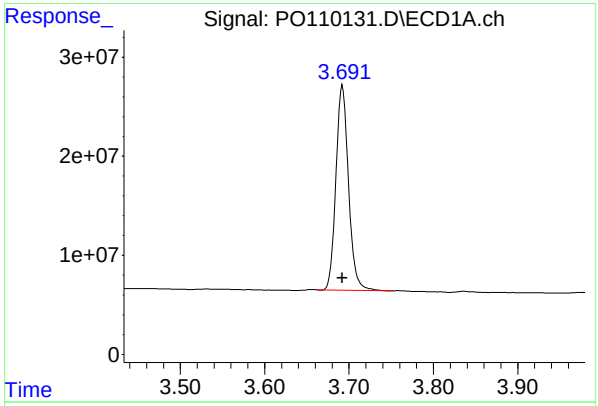
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-003-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:57:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



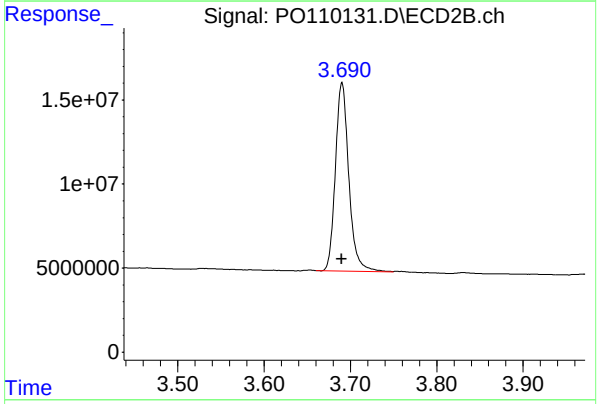




#1 Tetrachloro-m-xylene

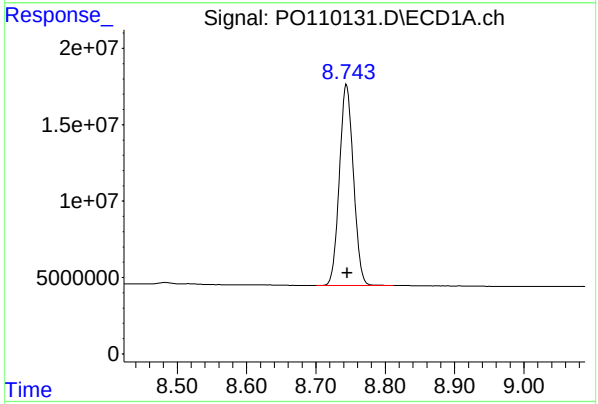
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 213911603
Conc: 23.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-003-01



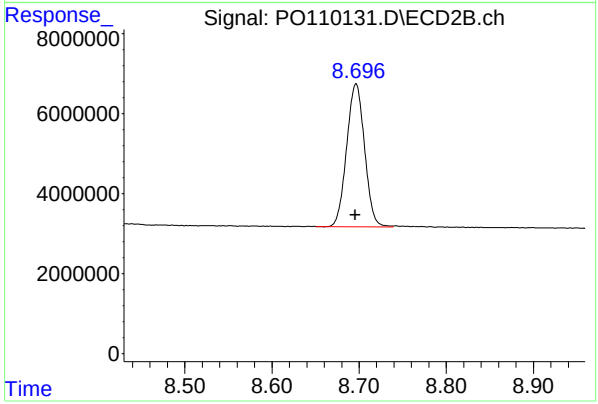
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 121114812
Conc: 23.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 184392110
Conc: 23.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 50890628
Conc: 20.98 ng/ml

Raw Data: **PO110132.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-14	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
PO110132.D	1	03/31/25 11:35	03/31/25 20:44	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		16 - 158	117%	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)

Sample Results: **PO110132.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:44
Operator : YP/AJ
Sample : Q1664-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-004-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:58:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	213.5E6	121.2E6	23.455	23.116
2)	SA Decachlor...	8.745	8.695	172.7E6	48206367	22.458	19.870
	Target Compounds						

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

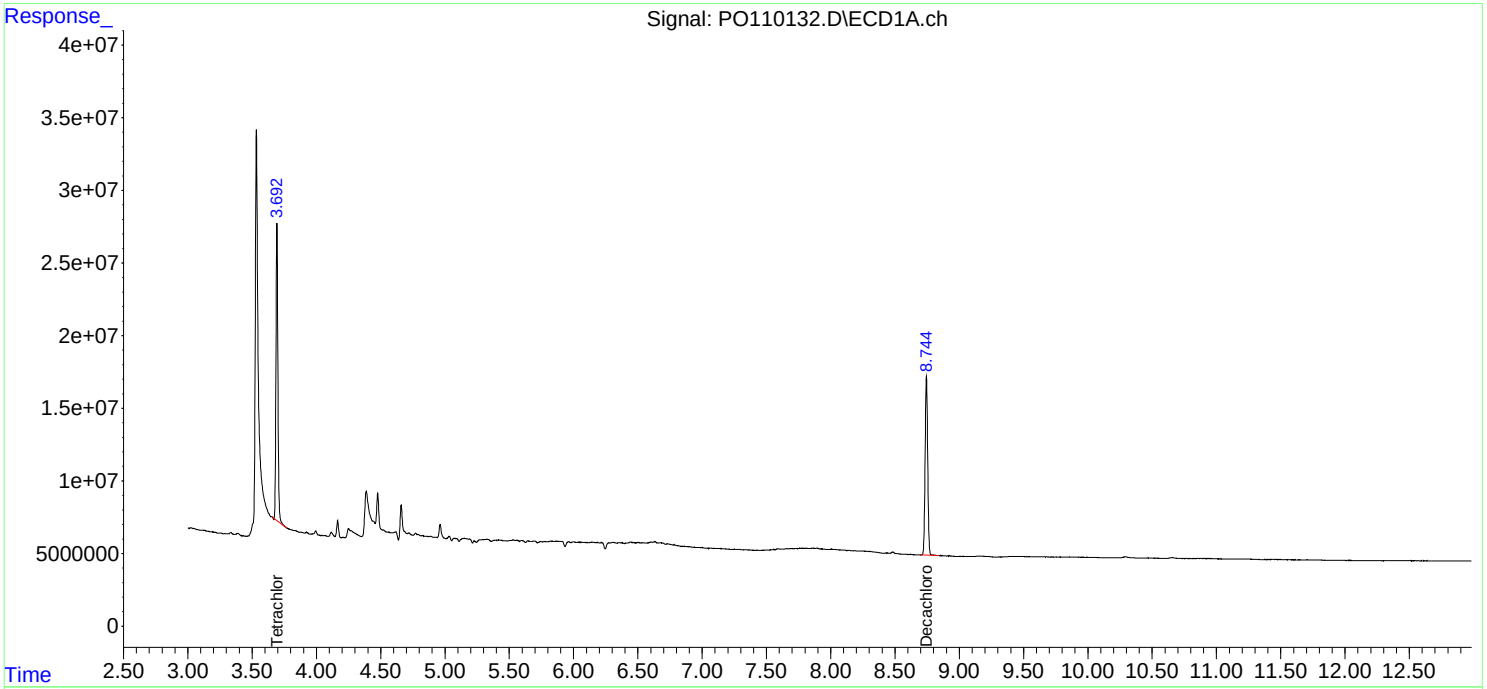
Sample Results: **PO110132.D**

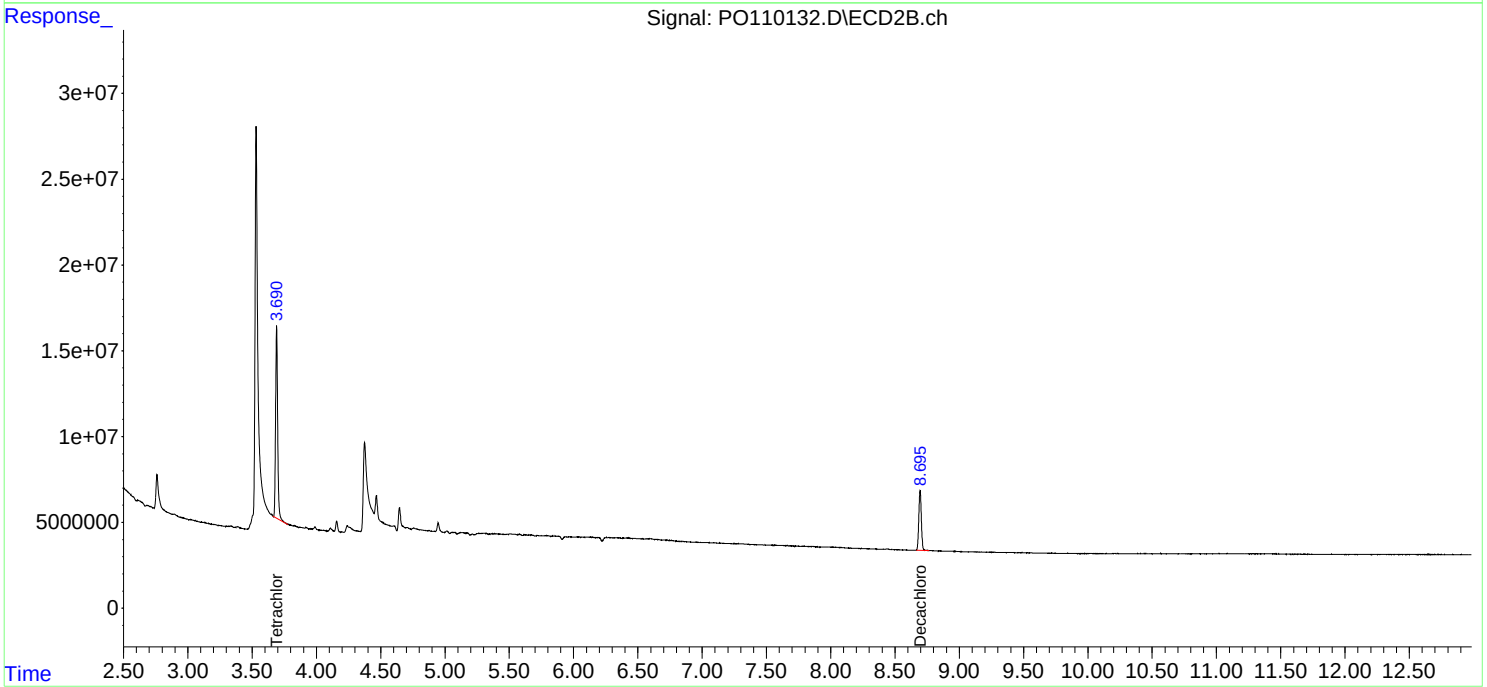
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:44
Operator : YP/AJ
Sample : Q1664-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

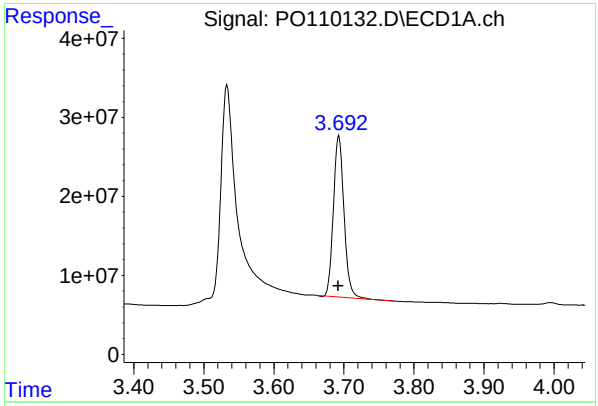
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-004-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:58:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



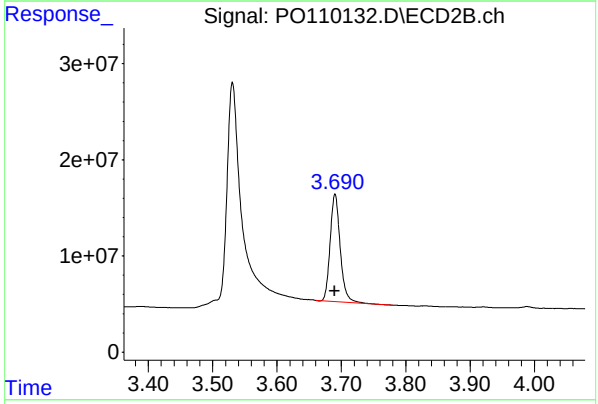




#1 Tetrachloro-m-xylene

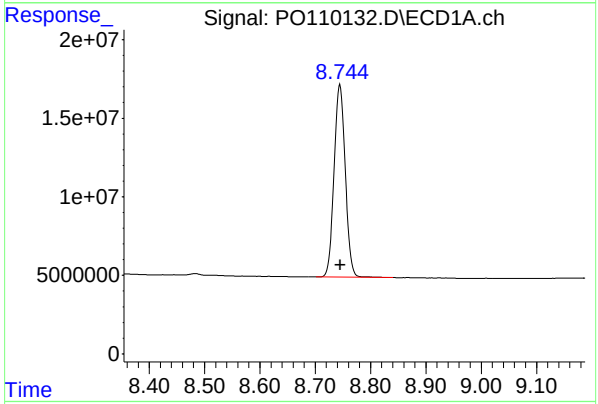
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 213478325
Conc: 23.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-004-01



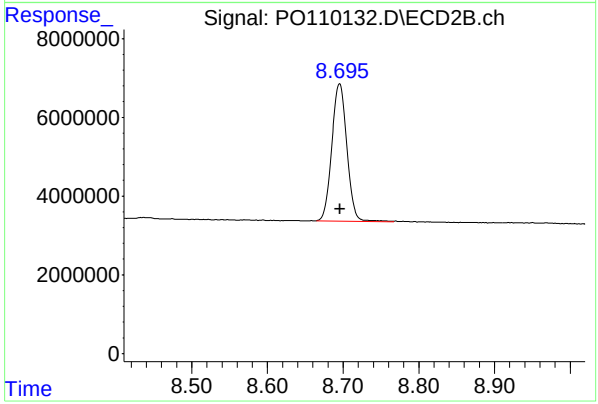
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 121222286
Conc: 23.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 172674761
Conc: 22.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 48206367
Conc: 19.87 ng/ml

Raw Data: **PP071023.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-16	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
PP071023.D	1	03/31/25 11:35	03/31/25 17:02	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	30.5		16 - 158	152%	SPK: 20
2051-24-3	Decachlorobiphenyl	31.9		10 - 173	160%	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)

Sample Results: **PP071023.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:02
Operator : YP\AJ
Sample : Q1664-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-BBDGA-005-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 18:47:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.519	3.817	44556311	29901626	30.485	28.845
2)	SA Decachlor...	10.251	8.864	33633365	23163518	31.952	29.388
	Target Compounds						

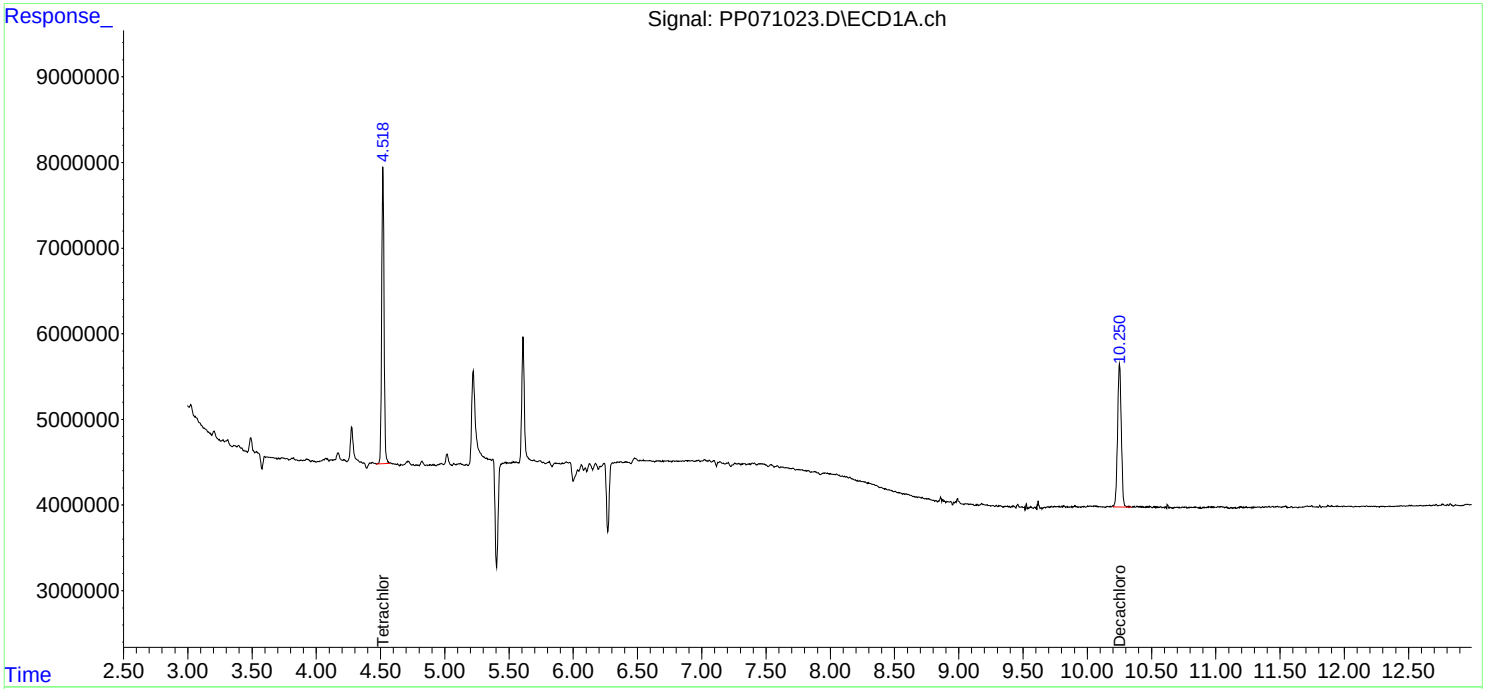
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

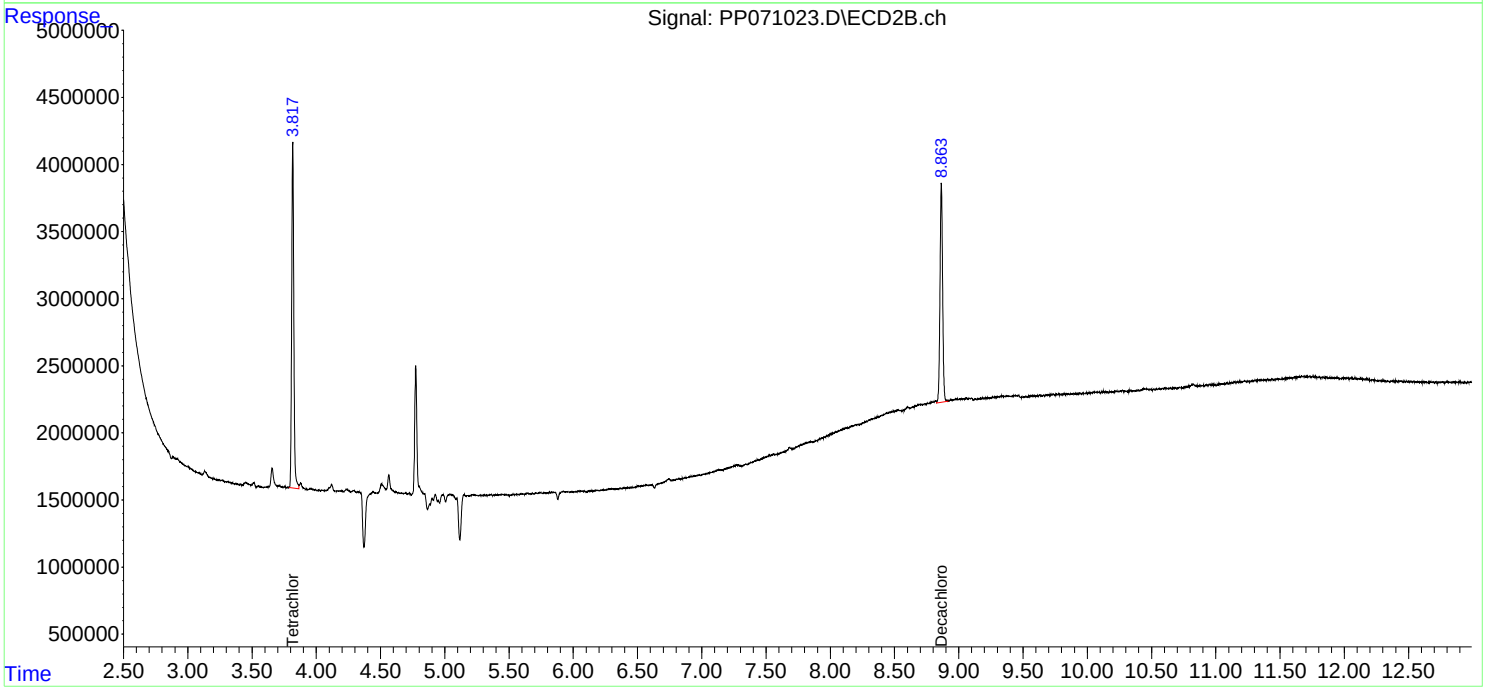
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:02
Operator : YP\AJ
Sample : Q1664-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

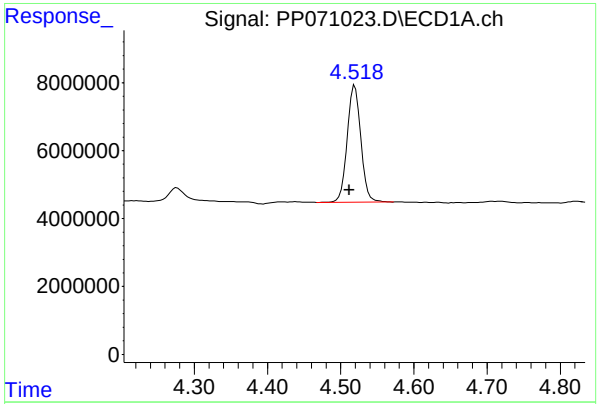
Instrument :
ECD_P
ClientSampleId :
P001-BBDGA-005-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 18:47:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



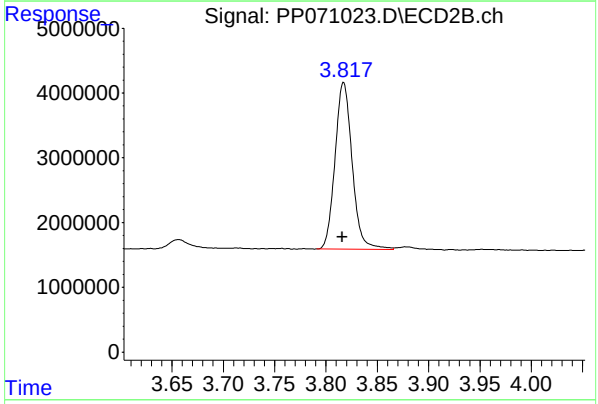




#1 Tetrachloro-m-xylene

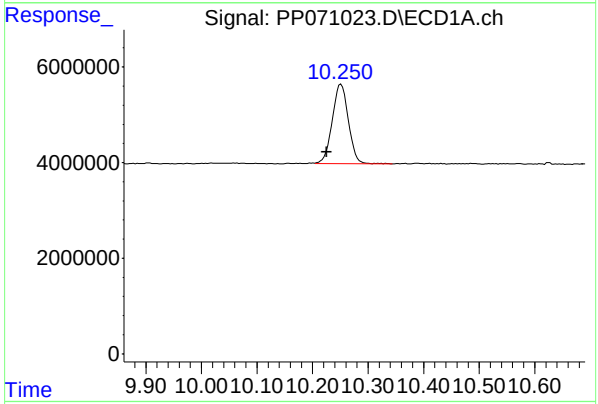
R.T.: 4.519 min
Delta R.T.: 0.007 min
Response: 44556311
Conc: 30.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-BBDGA-005-01



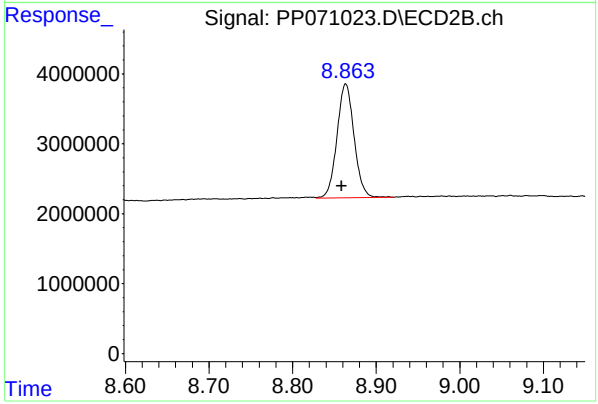
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.001 min
Response: 29901626
Conc: 28.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: 0.026 min
Response: 33633365
Conc: 31.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.864 min
Delta R.T.: 0.005 min
Response: 23163518
Conc: 29.39 ng/ml

Raw Data: **PO110145.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-18	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
PO110145.D	1	03/31/25 11:35	04/01/25 10:48	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		16 - 158	109%	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)

Sample Results: **PO110145.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 10:48
Operator : YP/AJ
Sample : Q1664-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-006-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 11:06:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.688	198.0E6	108.6E6	21.755	20.716
2)	SA Decachlor...	8.740	8.691	168.6E6	45016968	21.930	18.555
	Target Compounds						

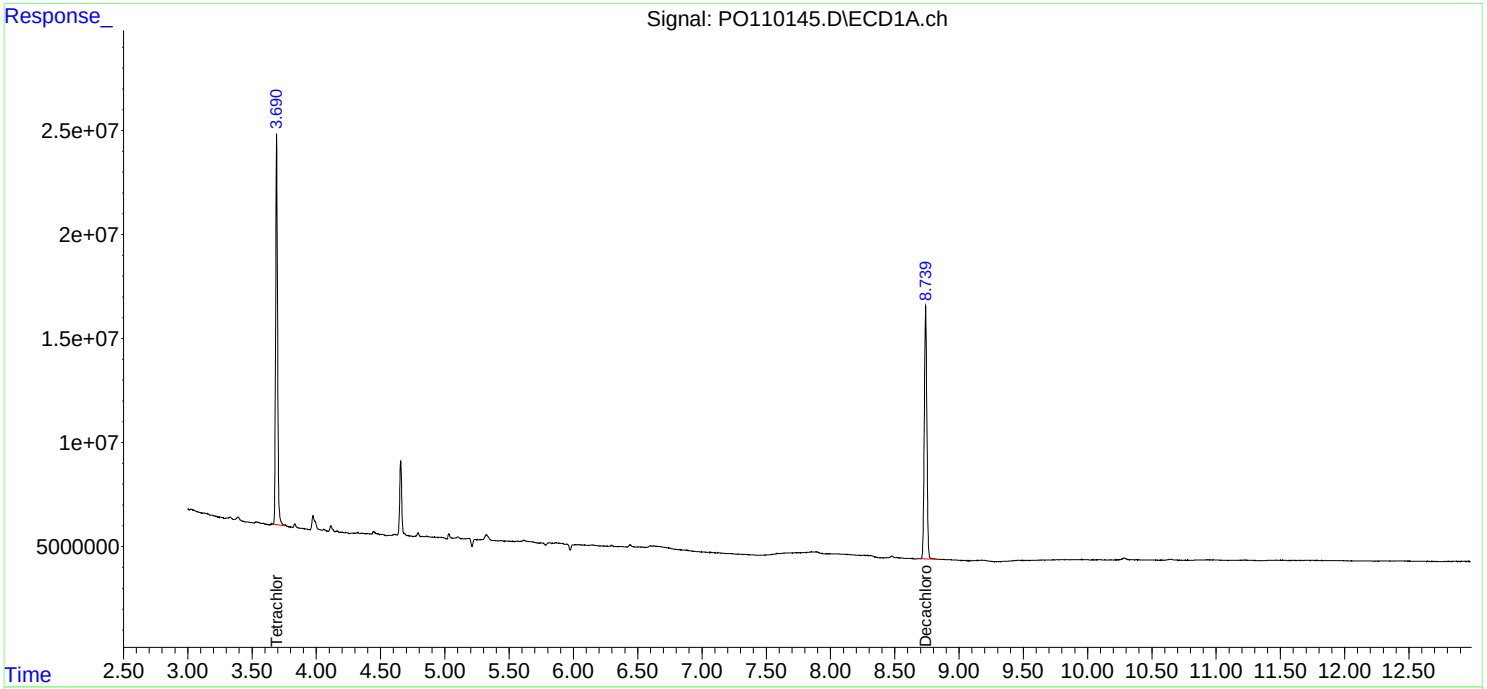
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

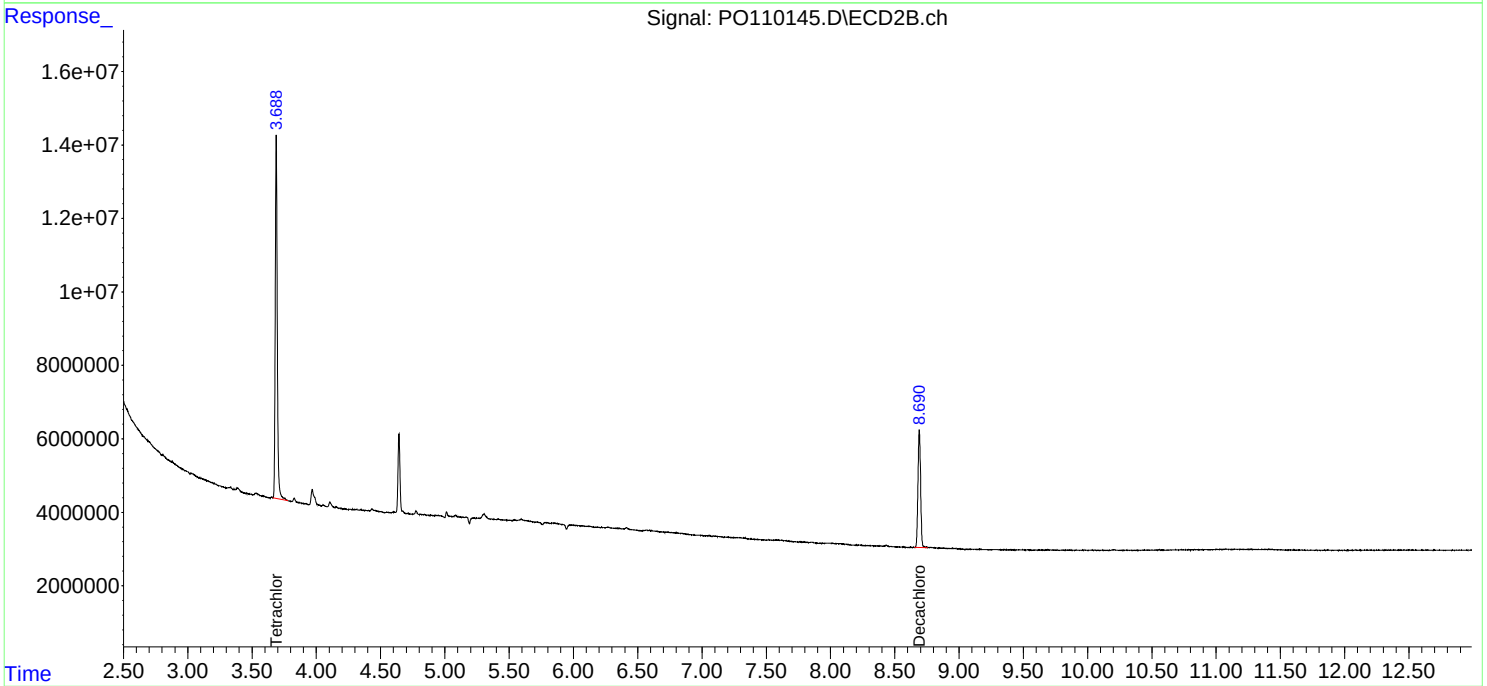
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 10:48
Operator : YP/AJ
Sample : Q1664-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

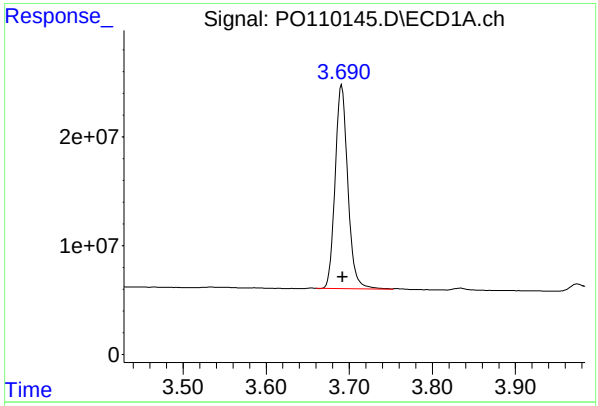
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-006-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 11:06:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



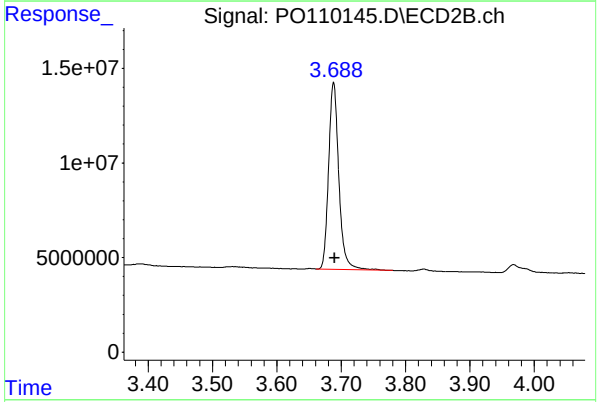




#1 Tetrachloro-m-xylene

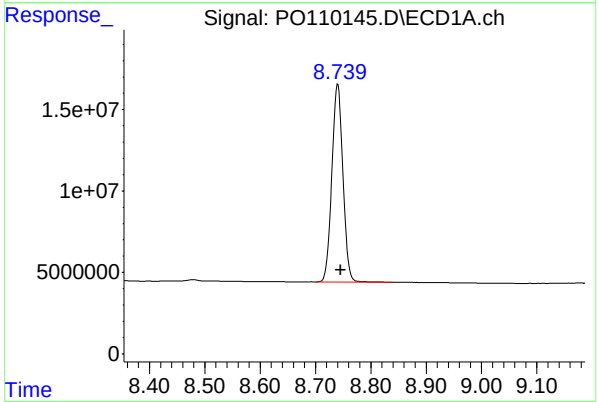
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 198004024
Conc: 21.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-006-01



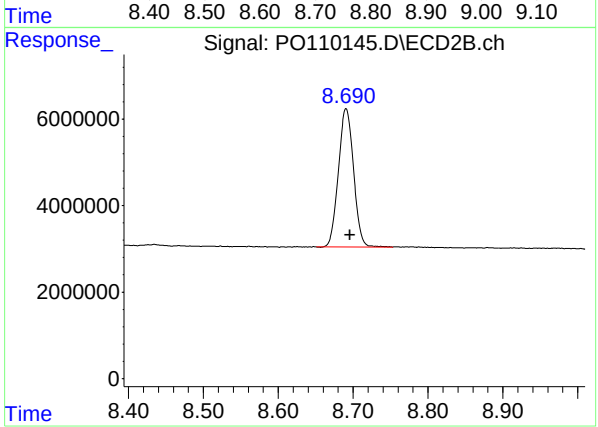
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 108636930
Conc: 20.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 168609713
Conc: 21.93 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 45016968
Conc: 18.56 ng/ml

Raw Data: **PP071025.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-20	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
PP071025.D	1	03/31/25 11:35	03/31/25 17:35	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.9		16 - 158	145%	SPK: 20
2051-24-3	Decachlorobiphenyl	28.4		10 - 173	142%	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

Sample Results: **PP071025.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:35
Operator : YP\AJ
Sample : Q1664-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 18:48:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.817	42236955	29882025	28.898m	28.826m
2)	SA Decachlor...	10.253	8.864	29842215	20757848	28.351	26.336
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:35
Operator : YP\AJ
Sample : Q1664-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

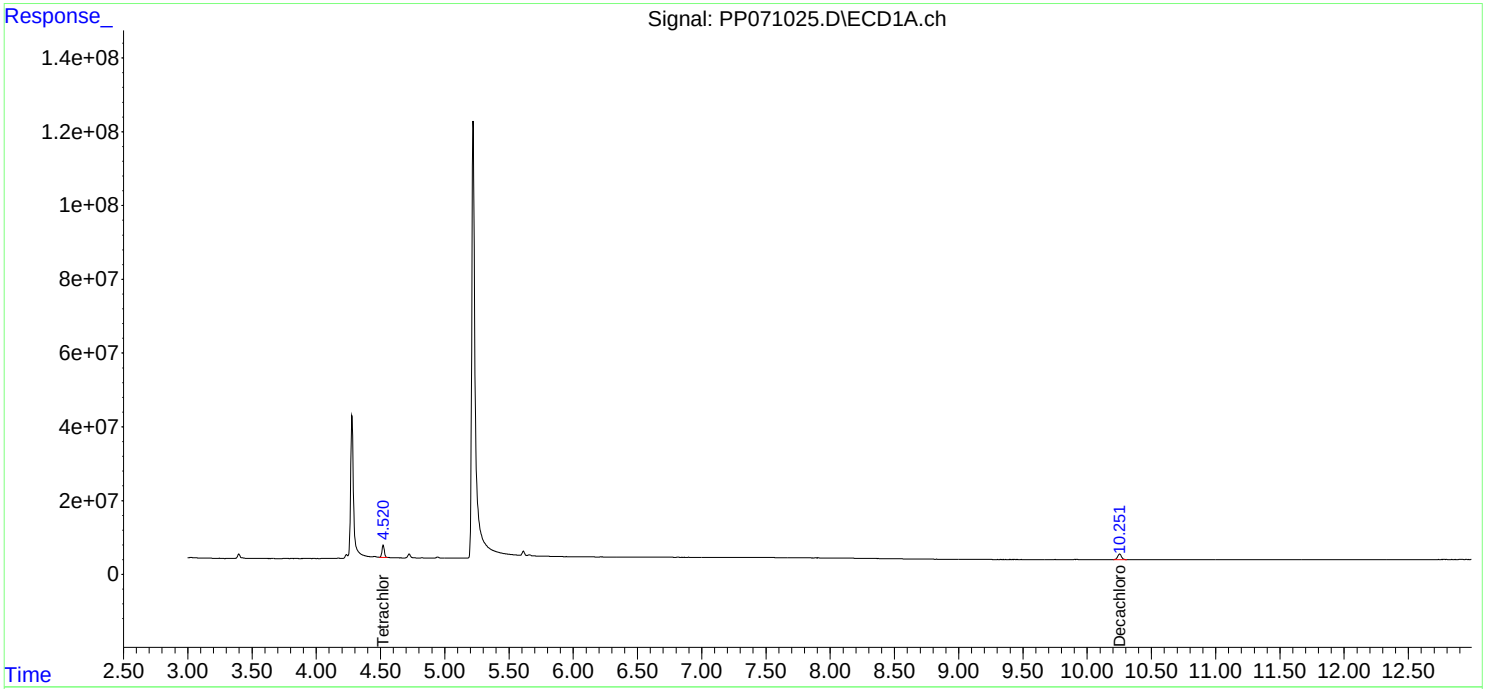
Instrument :
ECD_P
ClientSampleId :
P001-BBDGA-007-01

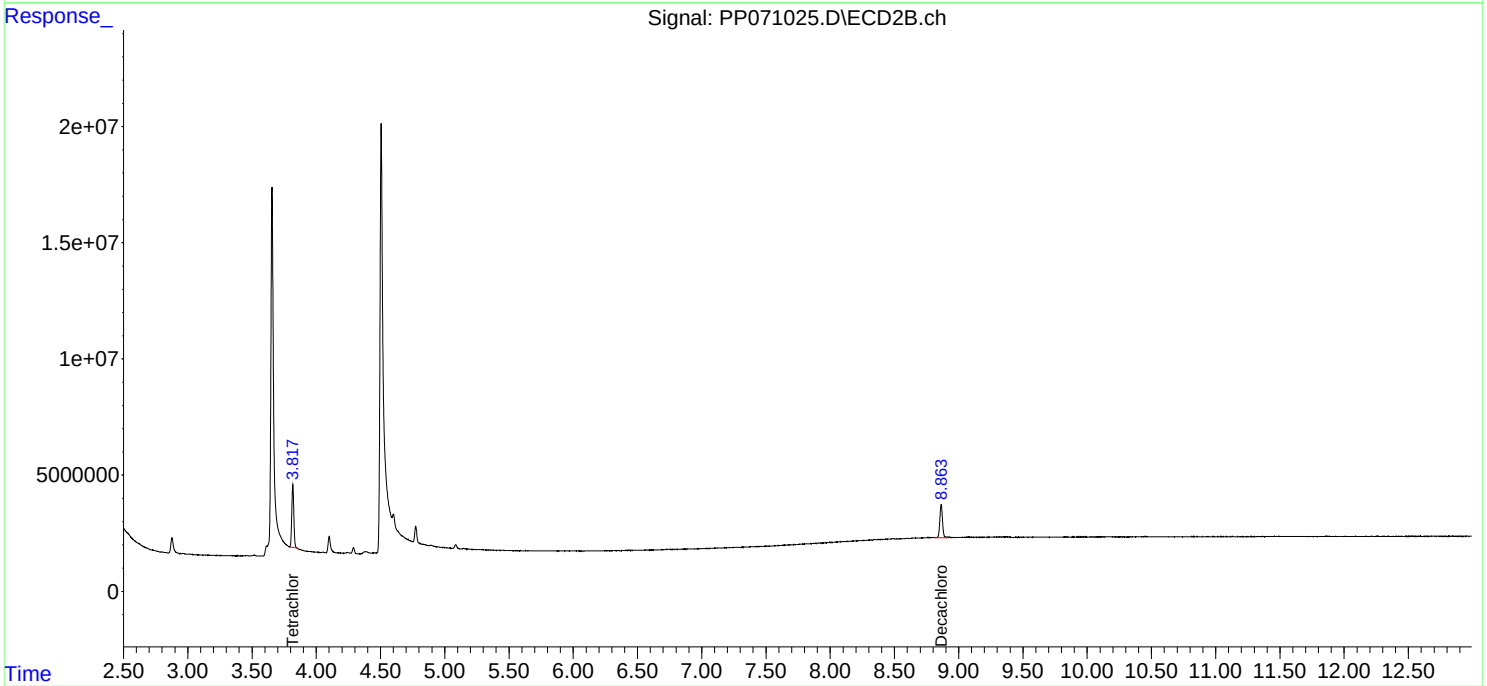
Manual Integrations APPROVED

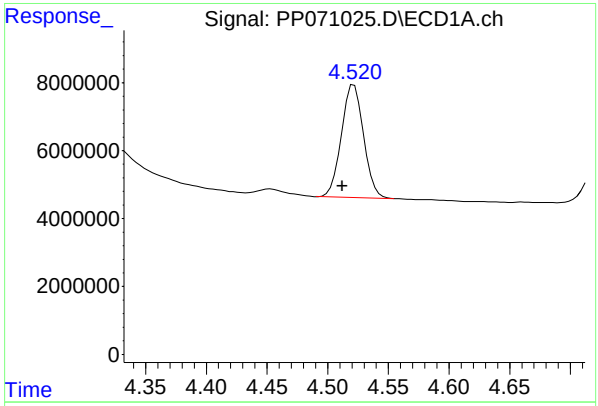
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 18:48:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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







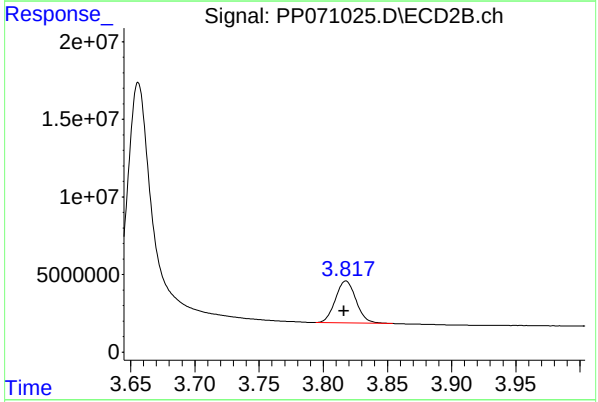
#1 Tetrachloro-m-xylene

R.T.: 4.520 min
Delta R.T.: 0.008 min
Response: 42236955
Conc: 28.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-BBDGA-007-01

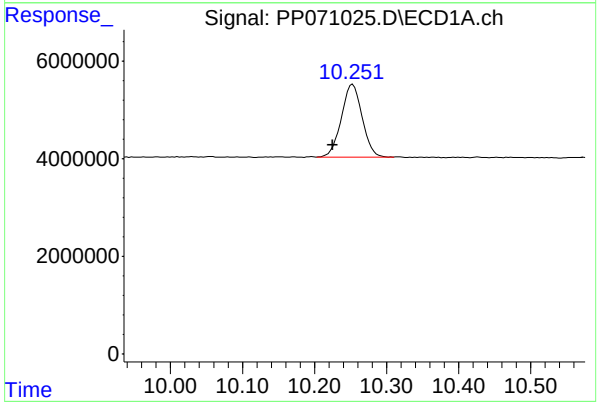
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



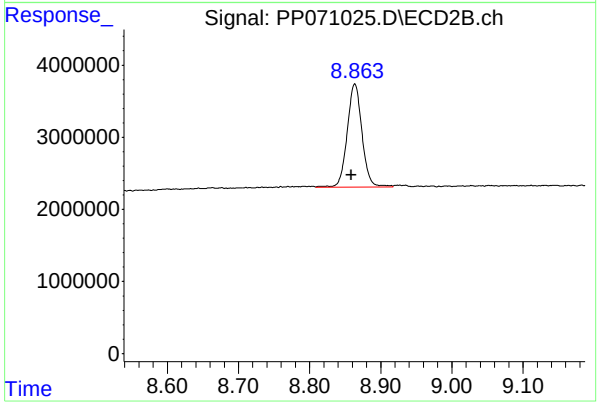
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.001 min
Response: 29882025
Conc: 28.83 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.027 min
Response: 29842215
Conc: 28.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.864 min
Delta R.T.: 0.005 min
Response: 20757848
Conc: 26.34 ng/ml

Raw Data: **PO110146.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-22	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
PO110146.D	1	03/31/25 11:35	04/01/25 11:07	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		16 - 158	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		10 - 173	108%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110146.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 11:07
Operator : YP/AJ
Sample : Q1664-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-008-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 11:15:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	181.3E6	100.7E6	19.918	19.207
2)	SA Decachlor...	8.741	8.692	165.4E6	44840746	21.511	18.483
	Target Compounds						

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

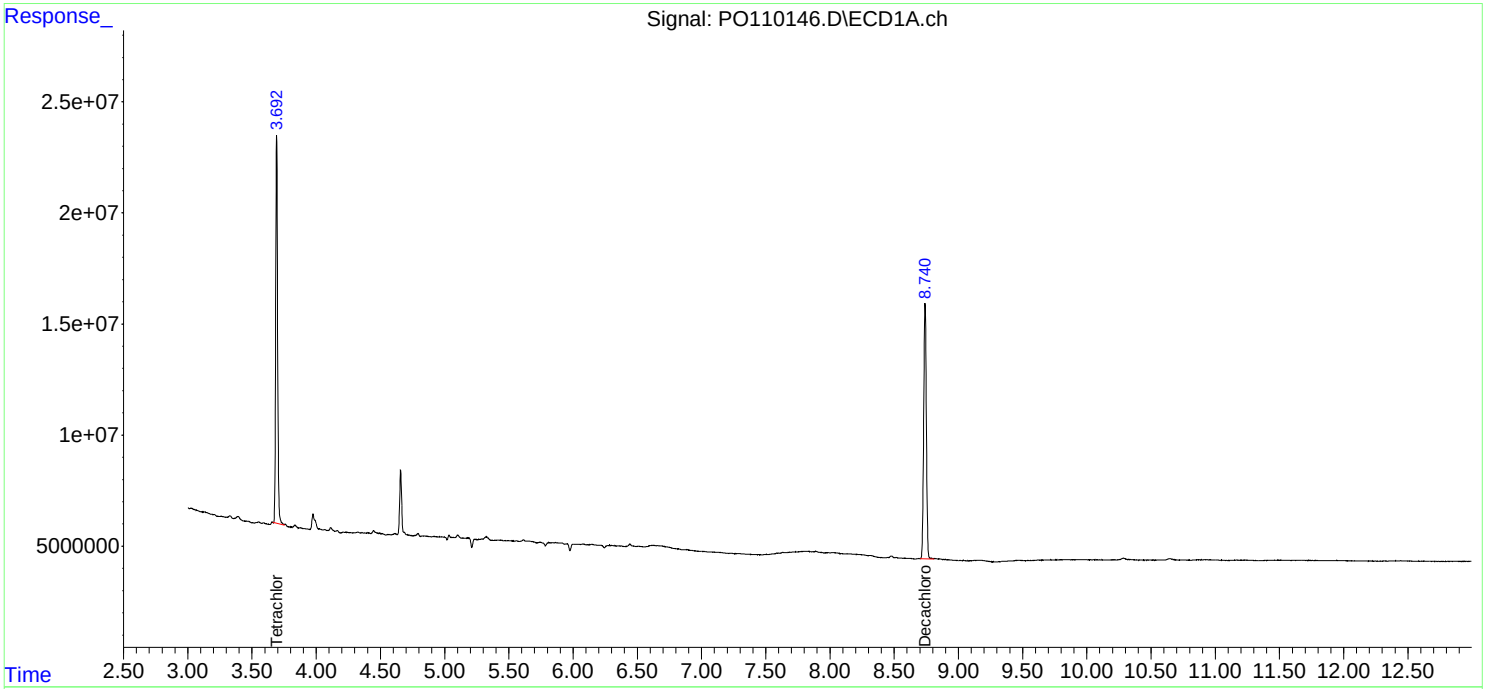
Sample Results: **PO110146.D**

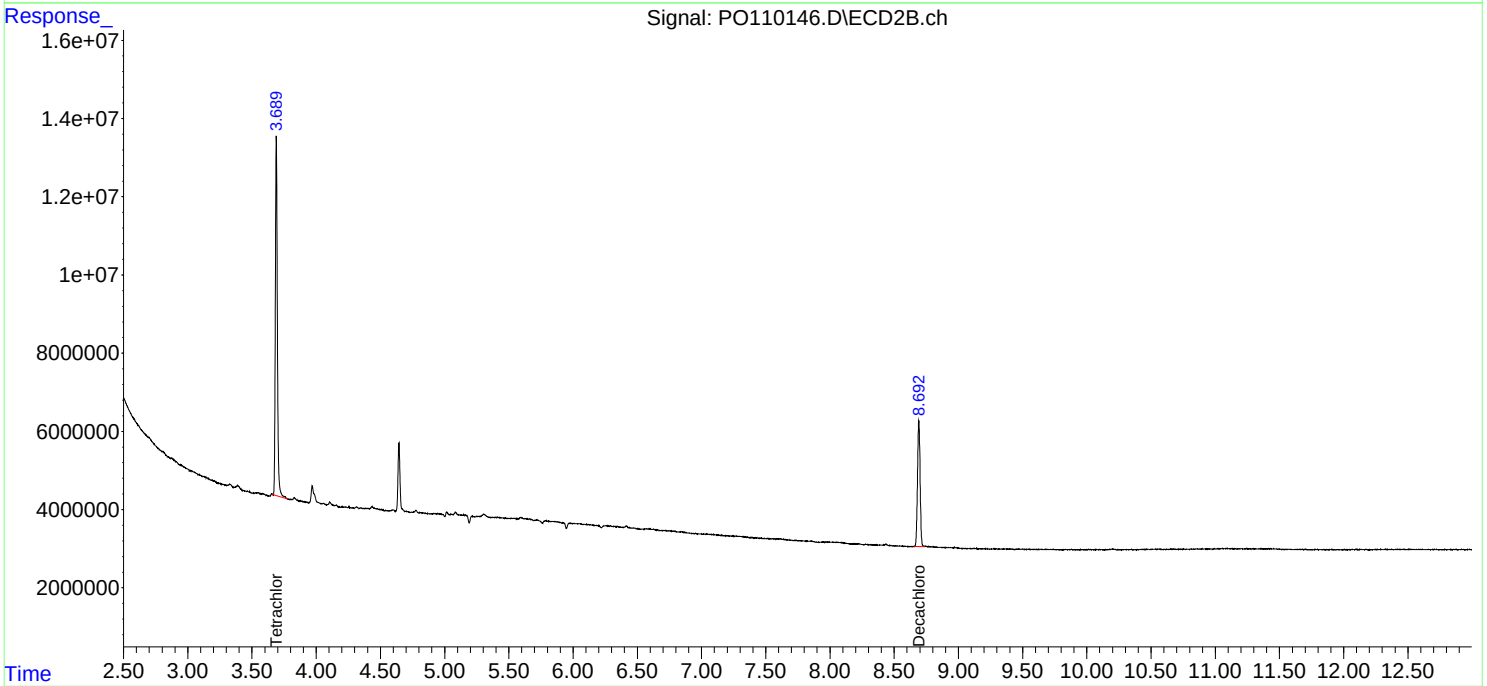
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 11:07
Operator : YP/AJ
Sample : Q1664-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

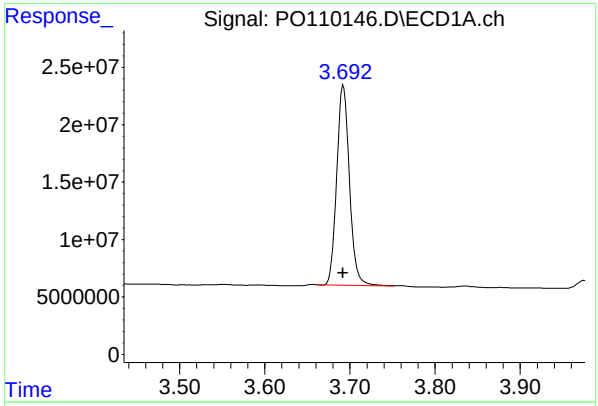
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-008-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 11:15:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



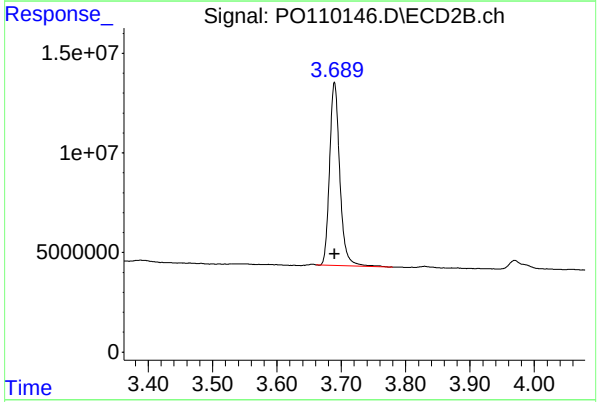




#1 Tetrachloro-m-xylene

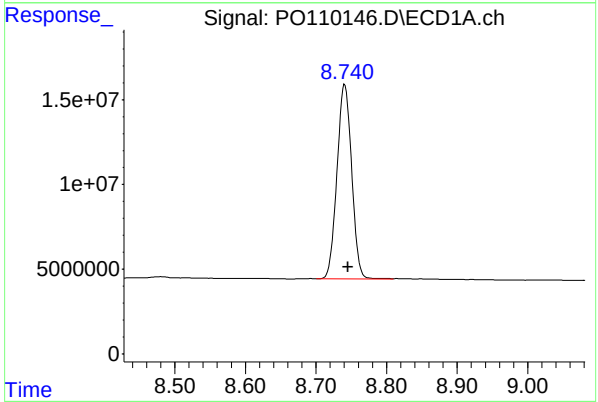
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 181280774
Conc: 19.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-008-01



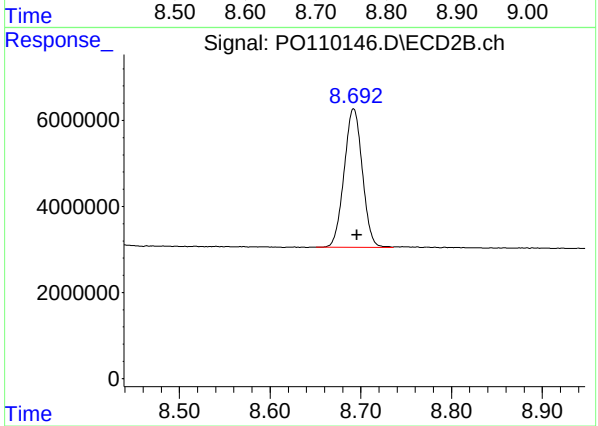
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 100723062
Conc: 19.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 165387727
Conc: 21.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 44840746
Conc: 18.48 ng/ml

CALIBRATION SUMMARY

Raw Data

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

Calibration Times: 14:03 22:15

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

LAB FILE ID: RT 1000 = PO109972.D RT 750 = PO109973.D

RT 500 = PO109974.D RT 250 = PO109975.D RT 050 = PO109976.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.79	4.79	4.78	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.81	4.81	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-3	(3)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1016-4	(4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Aroclor-1260-1	(1)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1260-2	(2)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1260-3	(3)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Aroclor-1260-4	(4)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1260-5	(5)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Decachlorobiphenyl		8.75	8.75	8.75	8.75	8.74	8.75	8.65	8.85
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.79	4.79	4.79	4.79	4.78	4.79	4.69	4.89
Aroclor-1242-2	(2)	4.80	4.80	4.81	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1242-4	(4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1242-5	(5)	5.64	5.63	5.64	5.63	5.63	5.63	5.53	5.73
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.78	4.79	4.79	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-3	(3)	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Aroclor-1248-4	(4)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Aroclor-1248-5	(5)	5.63	5.64	5.63	5.63	5.63	5.63	5.53	5.73
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Aroclor-1254-2	(2)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1254-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1254-4	(4)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-5	(5)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-2	(2)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-3	(3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1268-4	(4)	8.18	8.18	8.19	8.18	8.18	8.18	8.08	8.28
Aroclor-1268-5	(5)	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

Raw Data

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

Calibration Times: 14:03 22:15

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

LAB FILE ID: RT 1000 = PO109972.D RT 750 = PO109973.D

RT 500 = PO109974.D RT 250 = PO109975.D RT 050 = PO109976.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.22	5.22	5.22	5.22	5.22	5.22	5.12	5.32
Aroclor-1260-1	(1)	6.25	6.26	6.26	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.59	6.59	6.59	6.49	6.69
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1242-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1248-4	(4)	5.22	5.22	5.22	5.22	5.22	5.22	5.12	5.32
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.69	8.70	8.70	8.70	8.69	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.66	7.66	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.44	8.44	8.44	8.44	8.44	8.44	8.34	8.54

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.69	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

Calibration Times: 14:03 22:15

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

LAB FILE ID: **CF 1000 =** PO109972.D **CF 750 =** PO109973.D

CF 500 = PO109974.D **CF 250 =** PO109975.D **CF 050 =** PO109976.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	318793340	329109113	342176988	354587888	338053060	336544078	4
Aroclor-1016-2	(2)	446388679	463709840	475172436	492289896	440868120	463685794	5
Aroclor-1016-3	(3)	297123739	311570976	324283686	341714956	328237360	320586143	5
Aroclor-1016-4	(4)	237983440	248526219	257445742	268101480	251389660	252689308	4
Aroclor-1016-5	(5)	250501585	263674729	272727188	289617476	297814400	274867076	7
Aroclor-1260-1	(1)	448474074	467586512	475904282	500944916	463845060	471350969	4
Aroclor-1260-2	(2)	549756400	573035712	574538170	604900316	675365020	595519124	8
Aroclor-1260-3	(3)	466244522	483474499	486507370	506233648	484047880	485301584	3
Aroclor-1260-4	(4)	395577993	413728377	429812132	453058452	428662340	424167859	5
Aroclor-1260-5	(5)	1037246832	1067855560	1076605366	1088369780	959152240	1045845956	5
Decachlorobiphenyl		7314268770	7585202853	7715836840	8064386520	7763558800	7688650757	4
Tetrachloro-m-xylene		9191618080	9409704013	9556350980	9350200040	7999627400	9101500103	7
Aroclor-1242-1	(1)	257021206	271242037	274350776	287750984	246670040	267407009	6
Aroclor-1242-2	(2)	361656206	376061644	380771426	397296944	325229300	368203104	7
Aroclor-1242-3	(3)	239272274	256595597	260500336	277304732	256081460	257950880	5
Aroclor-1242-4	(4)	191269111	202702439	206227546	215710620	184561000	200094143	6
Aroclor-1242-5	(5)	200342595	212233400	219728410	230305716	192670380	211056100	7
Decachlorobiphenyl		7073021470	7288055093	7382383840	7783557400	6481660800	7201735721	7
Tetrachloro-m-xylene		8702773030	8995385800	8954862760	9053765120	6655083400	8472374022	12
Aroclor-1248-1	(1)	203222777	210833551	219941524	231478528	236936100	220482496	6
Aroclor-1248-2	(2)	271717932	285234192	301067598	320199420	327717760	301187380	8
Aroclor-1248-3	(3)	341855080	357243465	374409124	395224264	397211640	373188715	6
Aroclor-1248-4	(4)	484718685	503724613	523274664	543824872	584555460	528019659	7
Aroclor-1248-5	(5)	341874536	354831647	369725290	387414496	410903120	372949818	7
Decachlorobiphenyl		7279802030	7532134600	7794766540	8111831880	8262032800	7796113570	5
Tetrachloro-m-xylene		8896906280	9107530813	9275989780	9374608920	8757655400	9082538239	3
Aroclor-1254-1	(1)	527461301	541865743	559314886	571016624	626589000	565249511	7
Aroclor-1254-2	(2)	454907170	469007857	483702014	470938584	527635000	481238125	6
Aroclor-1254-3	(3)	753626169	772675721	789277352	760170300	789680960	773086100	2
Aroclor-1254-4	(4)	465418236	477798716	486446390	499614064	471424900	480140461	3
Aroclor-1254-5	(5)	652046620	666447925	680525202	682124008	569584060	650145563	7
Decachlorobiphenyl		7506577390	7722603000	7867257780	8042146160	8253331200	7878383106	4
Tetrachloro-m-xylene		9124017490	9264222013	9387241720	8732477200	8689133000	9039418285	3
Aroclor-1268-1	(1)	1369838059	1374439380	1401378006	1431422640	1423576940	1400131005	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1266296617	1262736967	1279632688	1321583800	1270503560	1280150726	2
Aroclor-1268-3	(3)	1019701747	1019547960	1038648586	1056461448	1003450380	1027562024	2
Aroclor-1268-4	(4)	432675859	421354135	447439086	473337560	435173000	441995928	4
Aroclor-1268-5	(5)	3202130253	3192211076	3228608174	3247761892	3036317900	3181405859	3
Decachlorobiphenyl		13640006290	13735597093	14120230440	14566780400	14594697800	14131462405	3
Tetrachloro-m-xylene		9016621250	8994153573	9277514520	9319153840	8874982800	9096485197	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_O

Calibration Date(s): 03/18/2025 03/18/2025

Calibration Times: 14:03 22:15

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

LAB FILE ID: **CF 1000 =** PO109972.D **CF 750 =** PO109973.D

CF 500 = PO109974.D **CF 250 =** PO109975.D **CF 050 =** PO109976.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	173731434	178393712	185954312	194985500	183209860	183254964	4
Aroclor-1016-2	(2)	252919767	260842944	268062016	276298580	249399140	261504489	4
Aroclor-1016-3	(3)	134029267	138651783	144331354	150165168	141715700	141778654	4
Aroclor-1016-4	(4)	107671732	112396073	118651742	125867636	125061600	117929757	7
Aroclor-1016-5	(5)	141734749	147685869	153486032	162580972	159105760	152918676	6
Aroclor-1260-1	(1)	240074381	247747439	258832620	273383796	257170920	255441831	5
Aroclor-1260-2	(2)	281757793	288999419	301276956	315867360	313526020	300285510	5
Aroclor-1260-3	(3)	267611935	278954948	288530668	305847736	303966000	288982257	6
Aroclor-1260-4	(4)	196048044	205344145	218294872	229292036	226412760	215078371	7
Aroclor-1260-5	(5)	481983300	481761991	513782868	520791536	495161780	498696295	4
Decachlorobiphenyl		2314898720	2277821173	2432747880	2620033760	2485044400	2426109187	6
Tetrachloro-m-xylene		5279380900	5378354400	5480250420	5516817960	4565680000	5244096736	7
Aroclor-1242-1	(1)	141331278	146781083	150759024	159963196	132242600	146215436	7
Aroclor-1242-2	(2)	205951481	214434265	215763772	224841412	179186640	208035514	8
Aroclor-1242-3	(3)	108828803	114341291	116166340	122887996	95840060	111612898	9
Aroclor-1242-4	(4)	107629937	113953347	117437436	126339948	114521460	115976426	6
Aroclor-1242-5	(5)	132486572	139043136	144664964	152408060	117607760	137242098	10
Decachlorobiphenyl		2177773130	2225931947	2270761420	2435729160	2067519400	2235543011	6
Tetrachloro-m-xylene		5049304150	5177204613	5163887520	5207194080	3529903800	4825498833	15
Aroclor-1248-1	(1)	111262575	115666484	120322434	126703700	133730220	121537083	7
Aroclor-1248-2	(2)	153166873	160144767	168518512	179835124	180628540	168458763	7
Aroclor-1248-3	(3)	163639212	170966695	179105274	191715488	200520960	181189526	8
Aroclor-1248-4	(4)	192034431	200649257	208567738	223057368	227978540	210457467	7
Aroclor-1248-5	(5)	189825244	196639567	203671792	215836044	233387660	207872061	8
Decachlorobiphenyl		2147083620	2251559707	2344655820	2535991200	2605882000	2377034469	8
Tetrachloro-m-xylene		5118943080	5218637120	5295153740	5366945840	5070595200	5214054996	2
Aroclor-1254-1	(1)	289813236	298739165	307722880	314204860	352998300	312695688	8
Aroclor-1254-2	(2)	250736607	259627313	268490268	271062664	307765180	271536406	8
Aroclor-1254-3	(3)	402159669	413409125	421207530	415558372	424838600	415434659	2
Aroclor-1254-4	(4)	231846868	237861840	244387952	246184552	252577700	242571782	3
Aroclor-1254-5	(5)	329301884	337898680	348664586	361298960	302328380	335898498	7
Decachlorobiphenyl		2196807900	2276377227	2418572320	2516603360	2645427200	2410757601	7
Tetrachloro-m-xylene		5207556450	5288727027	5346917000	5051956440	5061201200	5191271623	3
Aroclor-1268-1	(1)	560759375	568986040	578205714	598591620	620126960	585333942	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	519206129	525348819	532636024	548739284	562258340	537637719	3
Aroclor-1268-3	(3)	397648794	399556300	412917038	427809808	440374680	415661324	4
Aroclor-1268-4	(4)	153792414	154678659	162023954	168698684	166024000	161043542	4
Aroclor-1268-5	(5)	963659212	966574348	987141016	1016062428	1031847640	993056929	3
Decachlorobiphenyl		3902633900	3983566053	4144258760	4413490680	4552839600	4199357799	7
Tetrachloro-m-xylene		5158364110	5158184947	5281917420	5320423880	5129069800	5209592031	2

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_O **Date(s) Analyzed:** 03/18/2025 03/18/2025

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	3.91	3.81	4.01	115828000
		2	3.99	3.89	4.09	86499800
		3	4.07	3.97	4.17	261696000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	215744000
		2	4.56	4.46	4.66	114786000
		3	4.81	4.71	4.91	211780000
		4	4.98	4.88	5.08	113561000
		5	5.02	4.92	5.12	80454000
Aroclor-1262	500	1	6.84	6.74	6.94	688120000
		2	7.34	7.24	7.44	1191970000
		3	7.62	7.52	7.72	470630000
		4	7.69	7.59	7.79	874576000
		5	8.18	8.08	8.28	394442000

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_O **Date(s) Analyzed:** 03/18/2025 03/18/2025

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	3.90	3.80	4.00	66882200
		2	3.99	3.89	4.09	49381600
		3	4.06	3.96	4.16	151684000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	124093000
		2	4.79	4.69	4.89	120349000
		3	4.97	4.87	5.07	63656000
		4	5.05	4.95	5.15	59341000
		5	5.22	5.12	5.32	63217800
Aroclor-1262	500	1	6.81	6.71	6.91	344312000
		2	7.31	7.21	7.41	537220000
		3	7.59	7.49	7.69	194051000
		4	7.65	7.55	7.75	361786000
		5	8.15	8.05	8.25	141162000

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:03
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: Mar 18 16:33:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	919.2E6	527.9E6	98.055	98.133
2)	SA Decachlor...	8.745	8.696	731.4E6	231.5E6	97.328	97.518
	Target Compounds						
3)	L1 AR-1016-1	4.786	4.772	318.8E6	173.7E6	964.622	966.018
4)	L1 AR-1016-2	4.805	4.791	446.4E6	252.9E6	968.766	970.935
5)	L1 AR-1016-3	4.862	4.967	297.1E6	134.0E6	956.293	962.990
6)	L1 AR-1016-4	4.982	5.009	238.0E6	107.7E6	960.716	951.485
7)	L1 AR-1016-5	5.240	5.222	250.5E6	141.7E6	957.522	960.195
31)	L7 AR-1260-1	6.281	6.254	448.5E6	240.1E6	970.326	962.401
32)	L7 AR-1260-2	6.470	6.442	549.8E6	281.8E6	977.958	966.521
33)	L7 AR-1260-3	6.838	6.595	466.2E6	267.6E6	978.732	962.386
34)	L7 AR-1260-4	7.098	7.066	395.6E6	196.0E6	958.524	946.308
35)	L7 AR-1260-5	7.340	7.307	1037.2E6	482.0E6	981.381	968.065

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

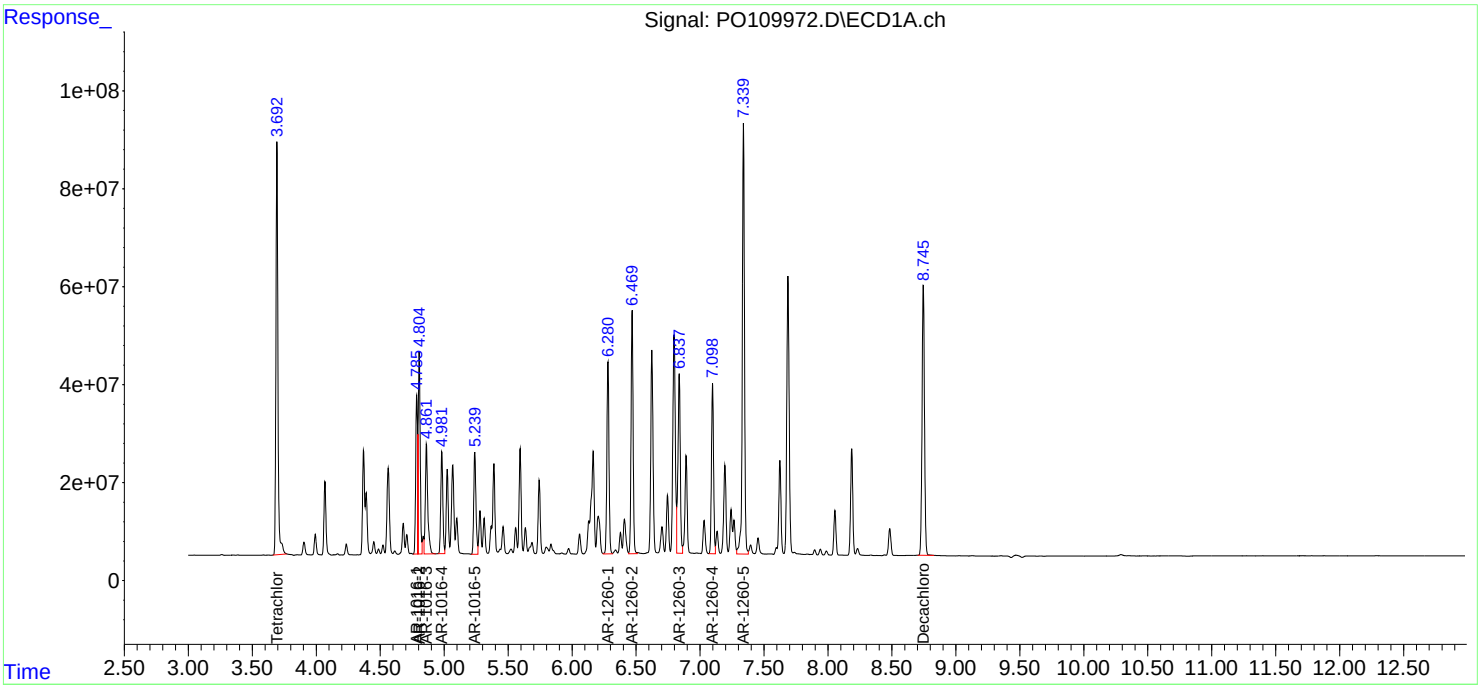
ICAL Form

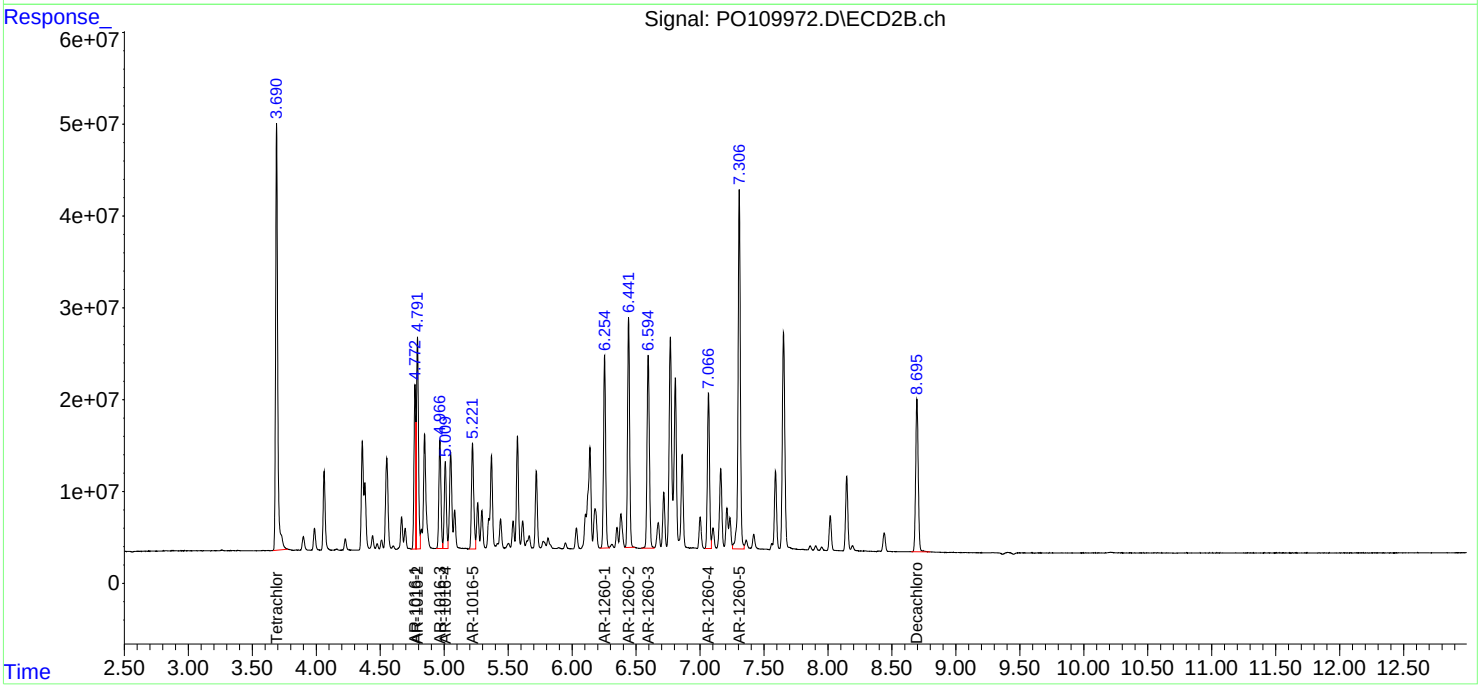
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Data File : PO109972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:03
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

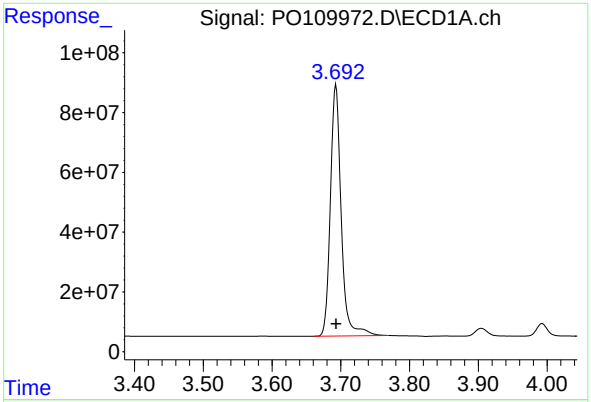
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:33:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



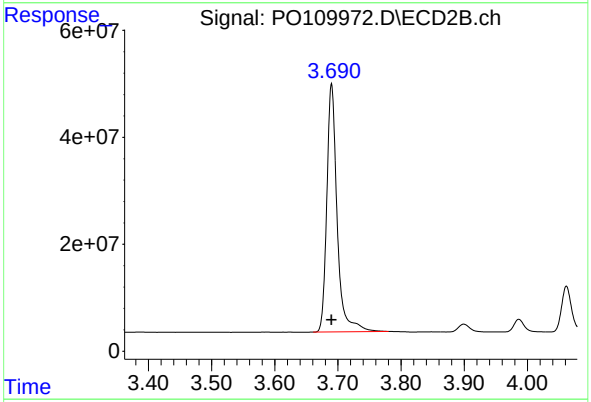




#1 Tetrachloro-m-xylene

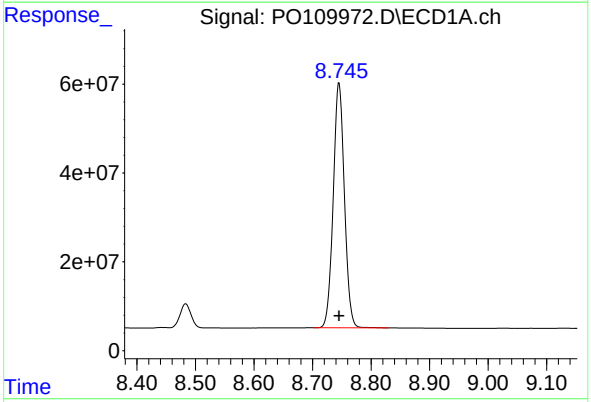
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 919161808
Conc: 98.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



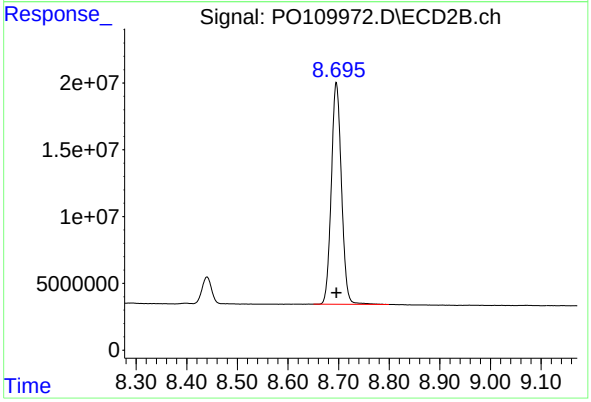
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 527938090
Conc: 98.13 ng/ml



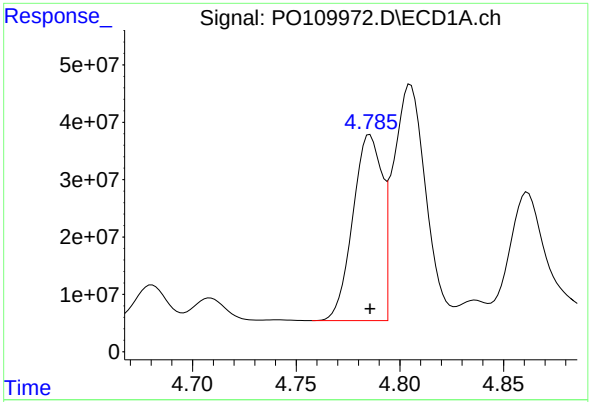
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 731426877
Conc: 97.33 ng/ml



#2 Decachlorobiphenyl

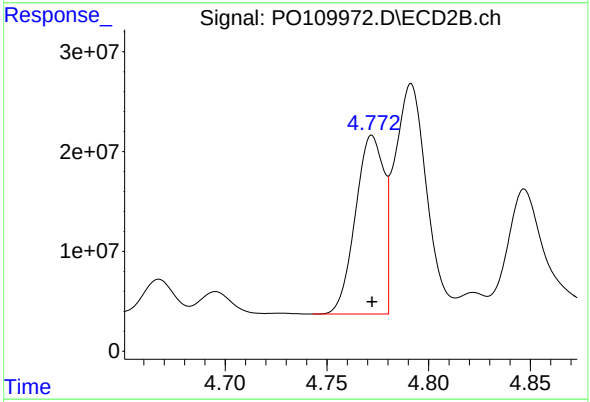
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 231489872
Conc: 97.52 ng/ml



#3 AR-1016-1

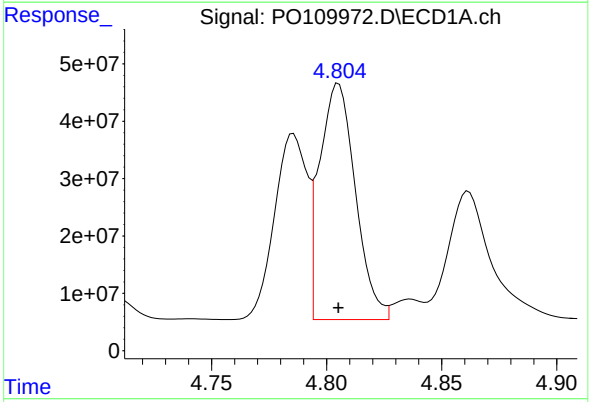
R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 318793340
Conc: 964.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



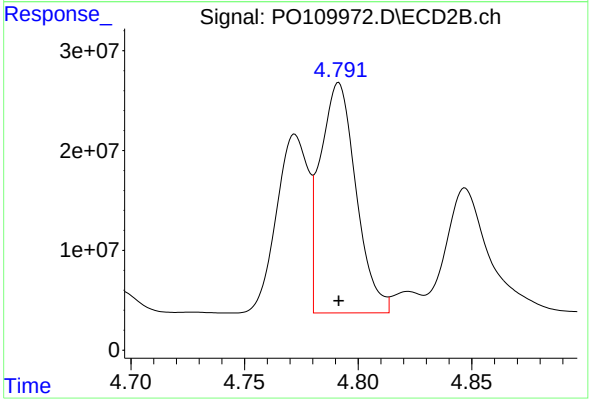
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 173731434
Conc: 966.02 ng/ml



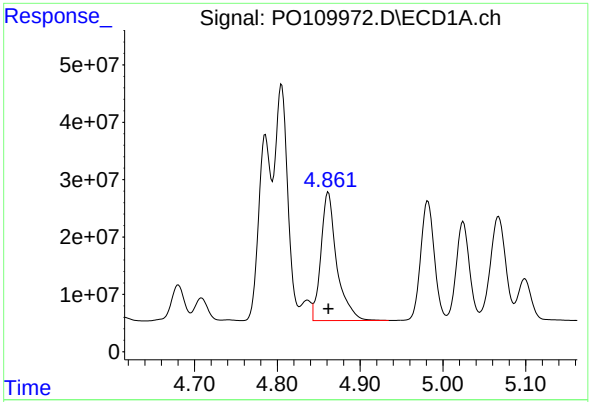
#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 446388679
Conc: 968.77 ng/ml



#4 AR-1016-2

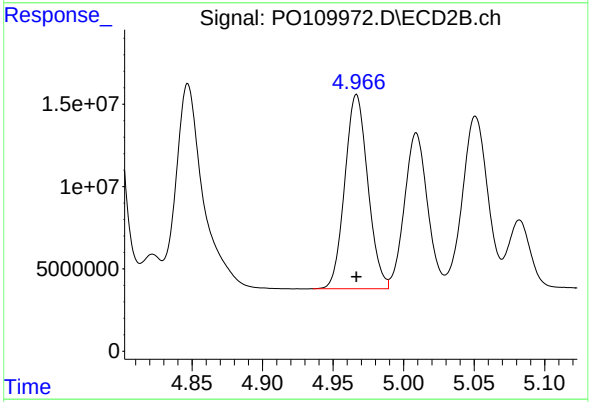
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 252919767
Conc: 970.94 ng/ml



#5 AR-1016-3

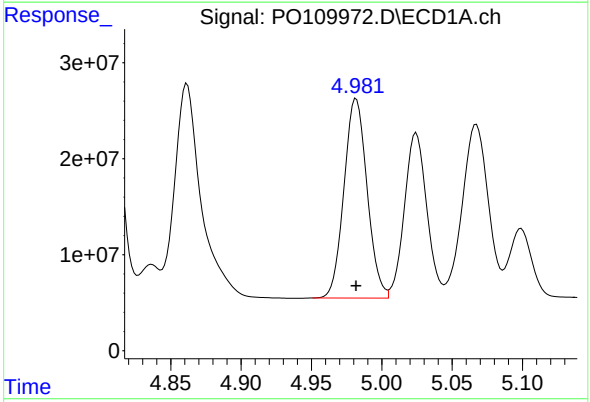
R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 297123739
Conc: 956.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



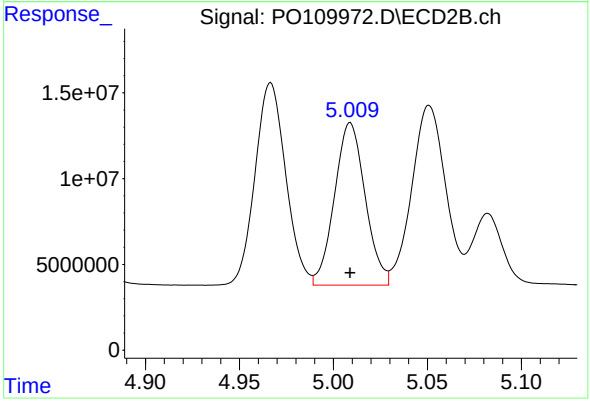
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 134029267
Conc: 962.99 ng/ml



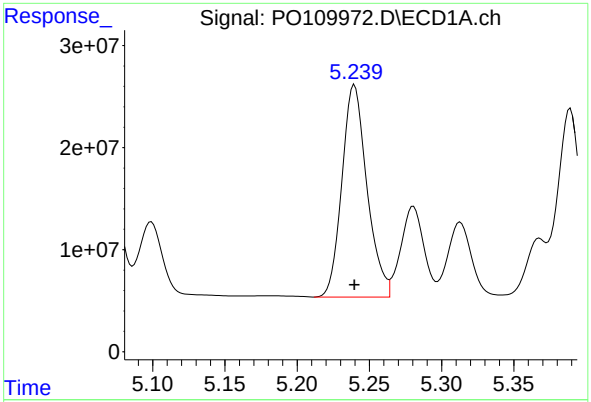
#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 237983440
Conc: 960.72 ng/ml



#6 AR-1016-4

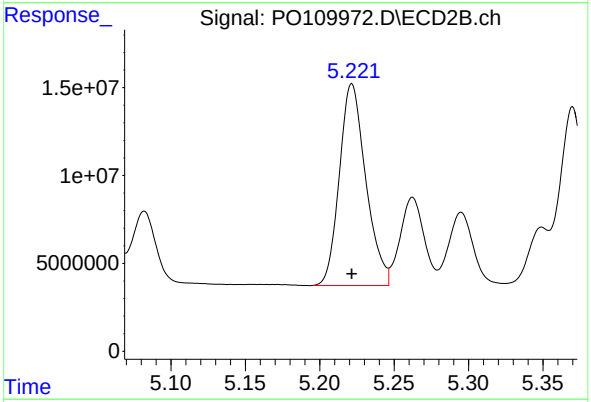
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 107671732
Conc: 951.49 ng/ml



#7 AR-1016-5

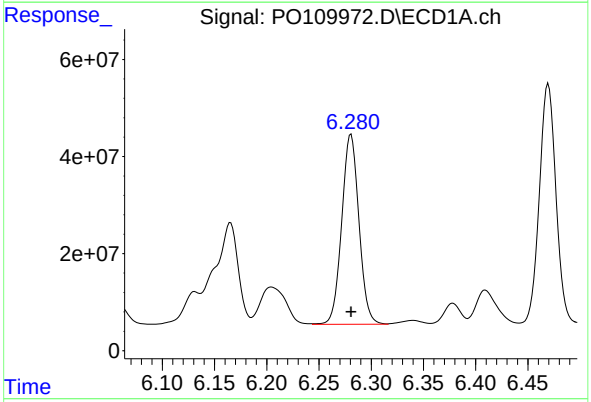
R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 250501585
Conc: 957.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



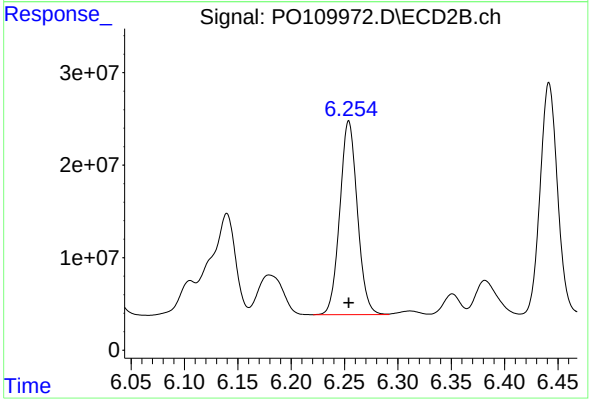
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 141734749
Conc: 960.19 ng/ml



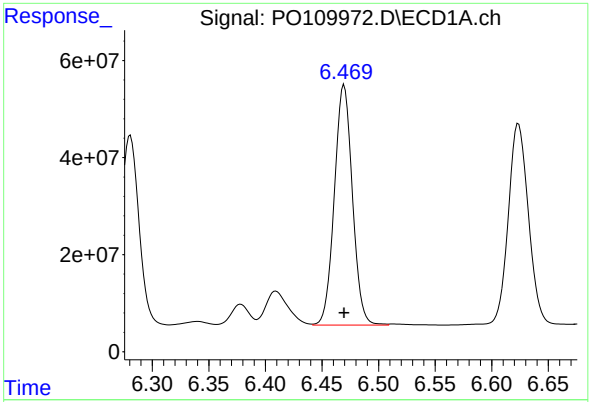
#31 AR-1260-1

R.T.: 6.281 min
Delta R.T.: 0.000 min
Response: 448474074
Conc: 970.33 ng/ml



#31 AR-1260-1

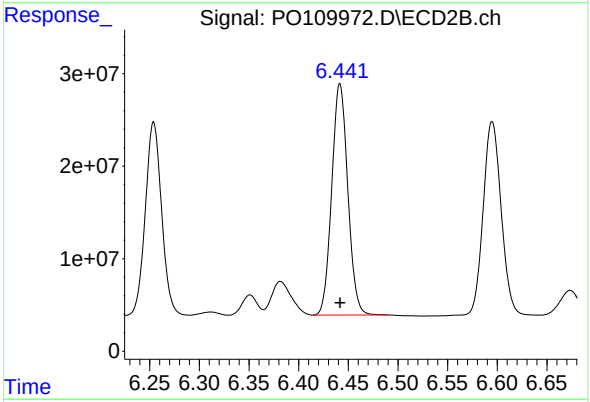
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 240074381
Conc: 962.40 ng/ml



#32 AR-1260-2

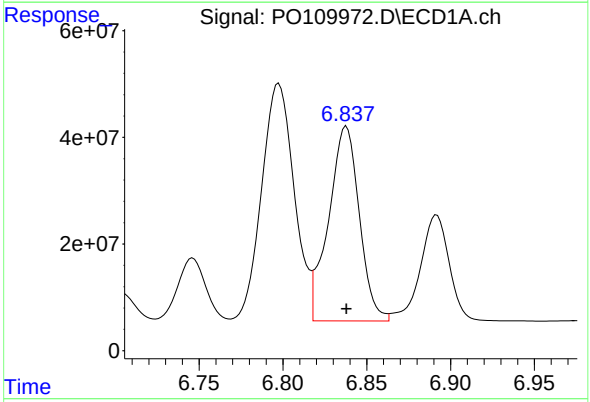
R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 549756400
Conc: 977.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



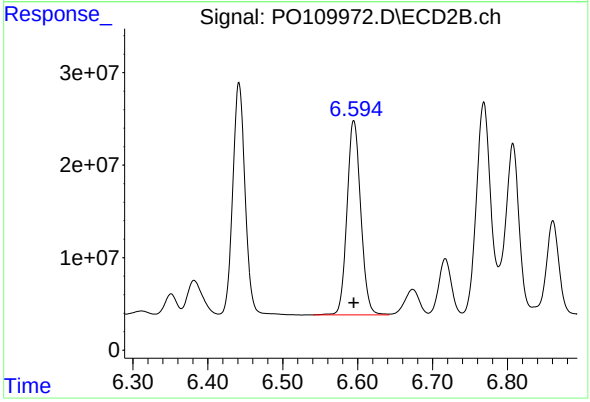
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 281757793
Conc: 966.52 ng/ml



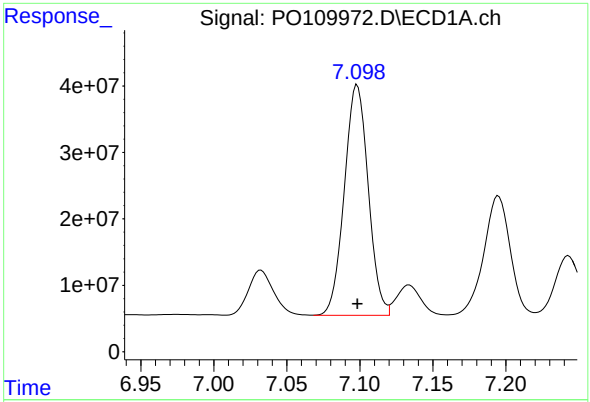
#33 AR-1260-3

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 466244522
Conc: 978.73 ng/ml



#33 AR-1260-3

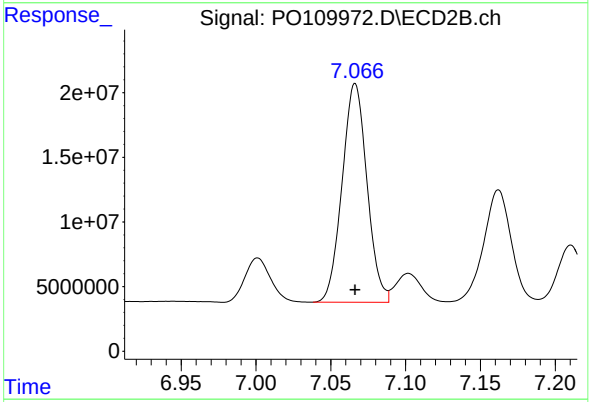
R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 267611935
Conc: 962.39 ng/ml



#34 AR-1260-4

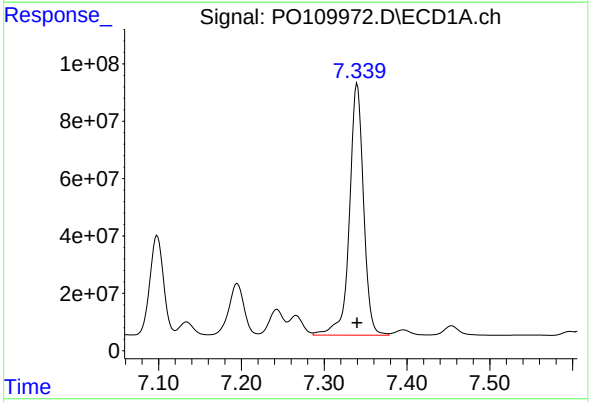
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 395577993
Conc: 958.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



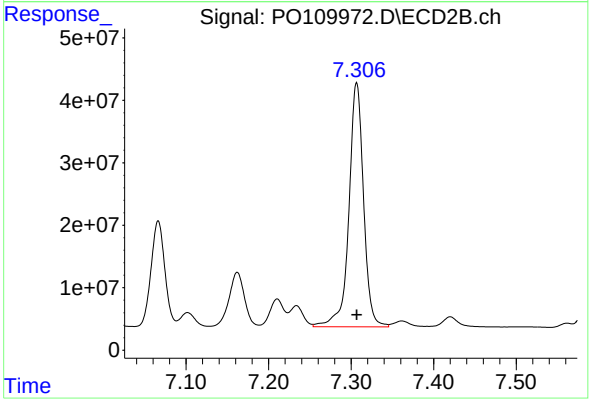
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: 0.000 min
Response: 196048044
Conc: 946.31 ng/ml



#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 1037246832
Conc: 981.38 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 481983300
Conc: 968.07 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:21
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:36:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	705.7E6	403.4E6	75.190	74.986
2)	SA Decachlor...	8.745	8.696	568.9E6	170.8E6	75.465	72.950
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.772	246.8E6	133.8E6	747.915	745.960
4)	L1 AR-1016-2	4.805	4.791	347.8E6	195.6E6	753.172	750.675
5)	L1 AR-1016-3	4.862	4.967	233.7E6	104.0E6	751.394	748.099
6)	L1 AR-1016-4	4.982	5.009	186.4E6	84297055	751.636	746.609
7)	L1 AR-1016-5	5.239	5.222	197.8E6	110.8E6	753.927	750.256
31)	L7 AR-1260-1	6.280	6.255	350.7E6	185.8E6	755.816	746.573
32)	L7 AR-1260-2	6.470	6.442	429.8E6	216.7E6	759.623	745.669
33)	L7 AR-1260-3	6.837	6.595	362.6E6	209.2E6	757.414	751.587
34)	L7 AR-1260-4	7.098	7.067	310.3E6	154.0E6	751.251	745.577
35)	L7 AR-1260-5	7.340	7.307	800.9E6	361.3E6	755.153	735.355m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:21
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

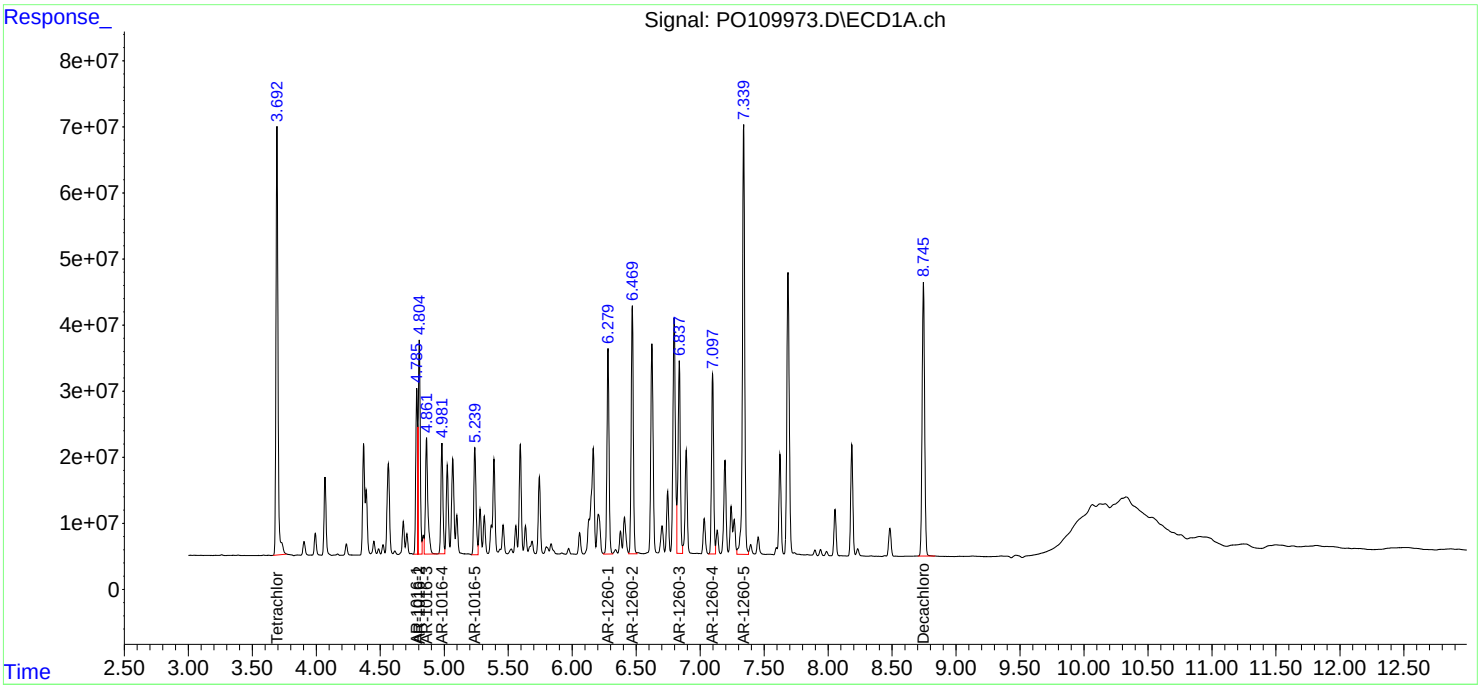
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

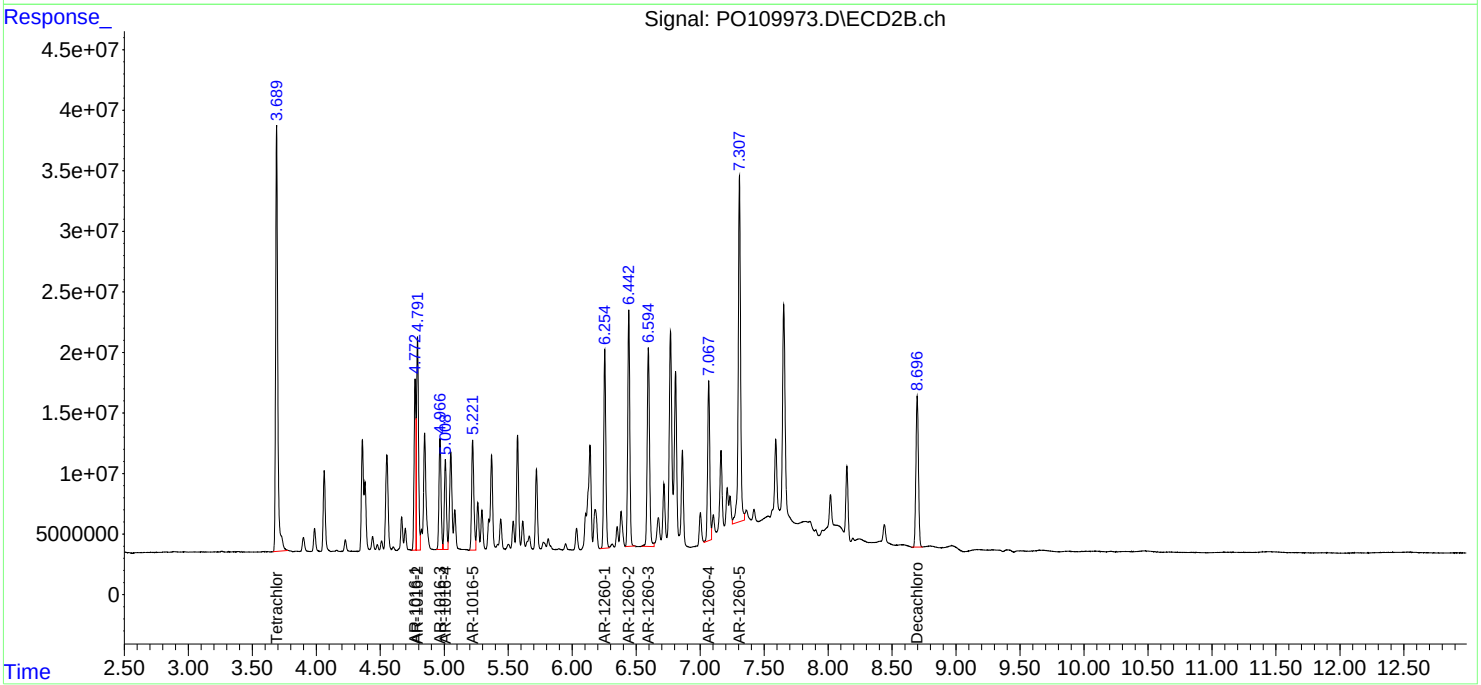
Manual Integrations APPROVED

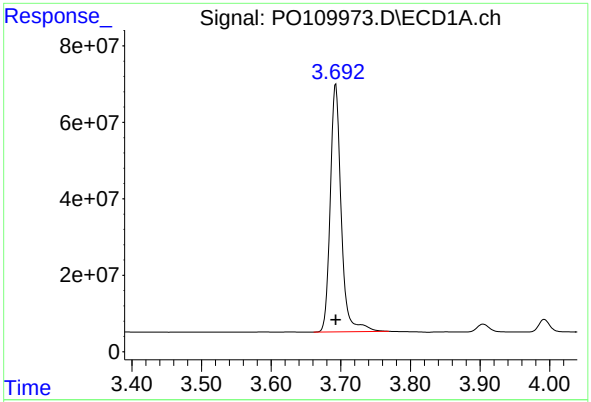
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:36:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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







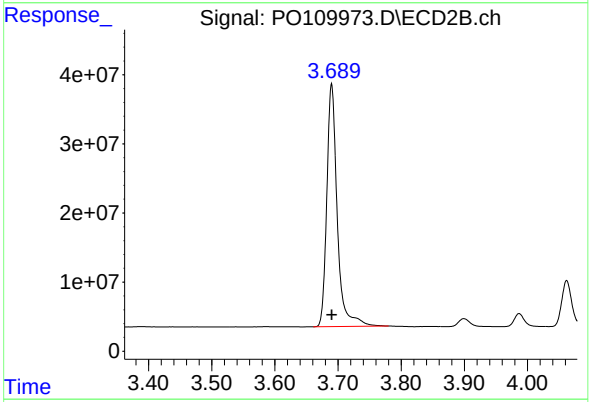
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 705727801
Conc: 75.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

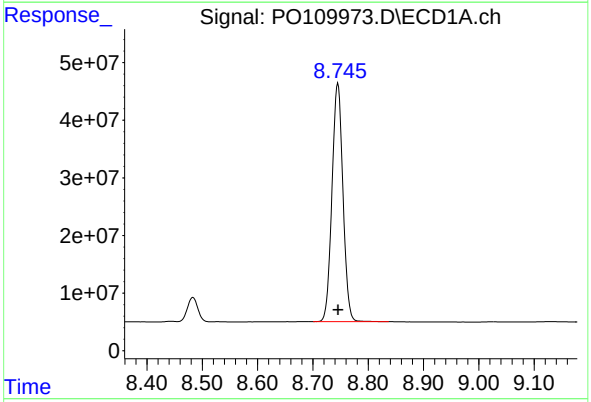
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



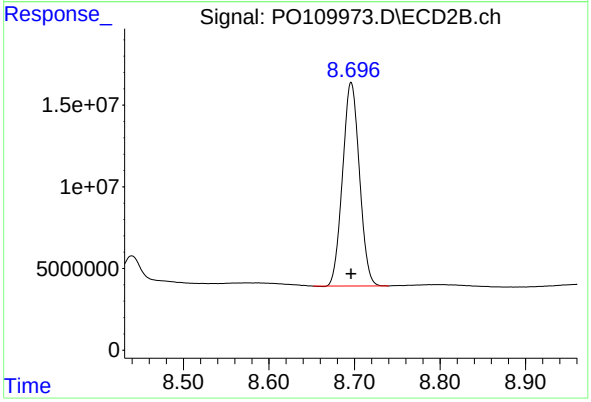
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 403376580
Conc: 74.99 ng/ml



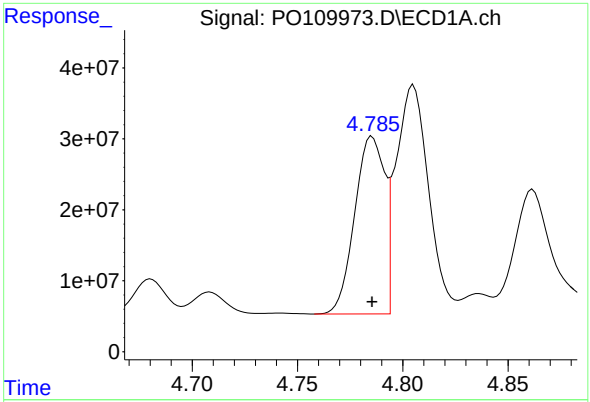
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 568890214
Conc: 75.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 170836588
Conc: 72.95 ng/ml



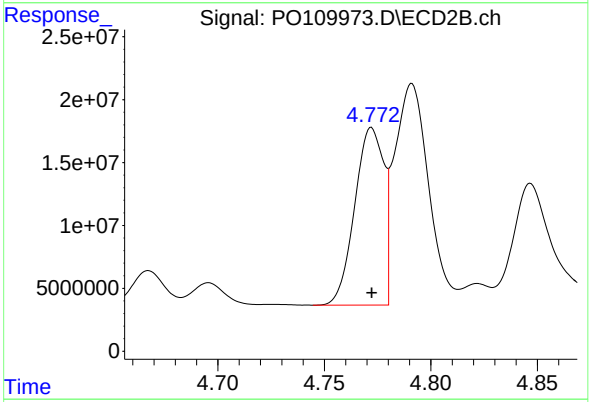
#3 AR-1016-1

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 246831835
Conc: 747.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

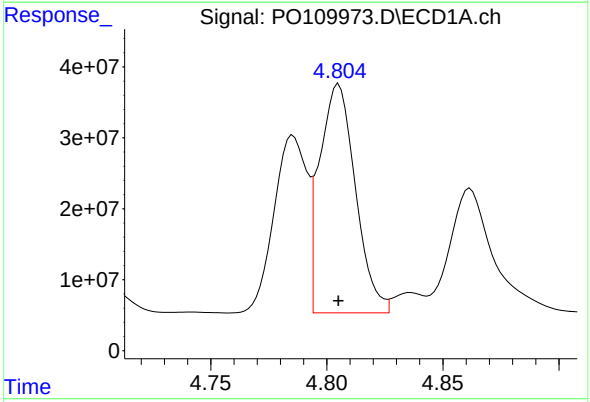
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



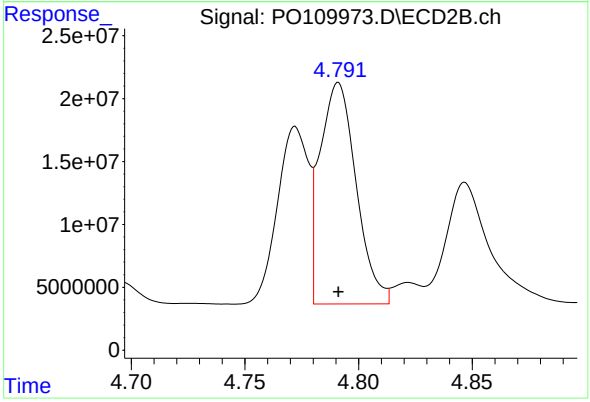
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 133795284
Conc: 745.96 ng/ml



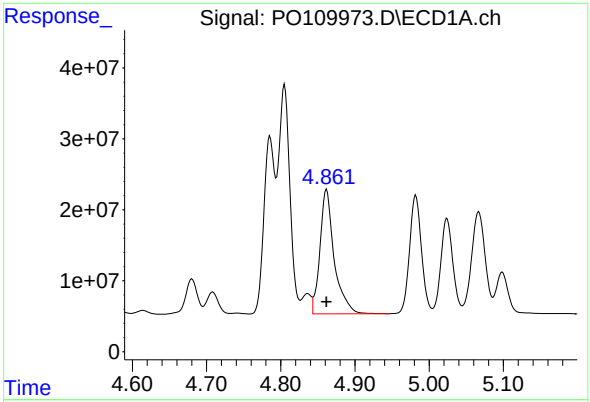
#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 347782380
Conc: 753.17 ng/ml



#4 AR-1016-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 195632208
Conc: 750.68 ng/ml



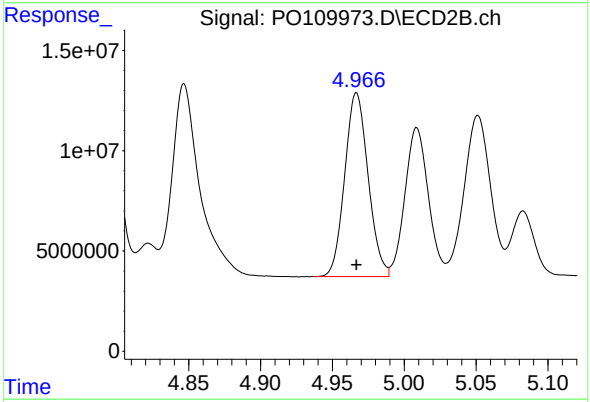
#5 AR-1016-3

R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 233678232
Conc: 751.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

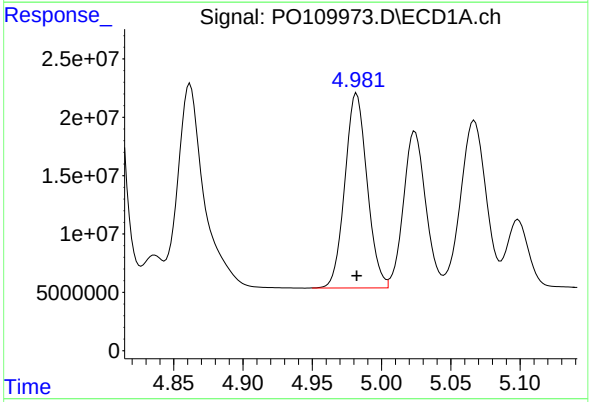
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



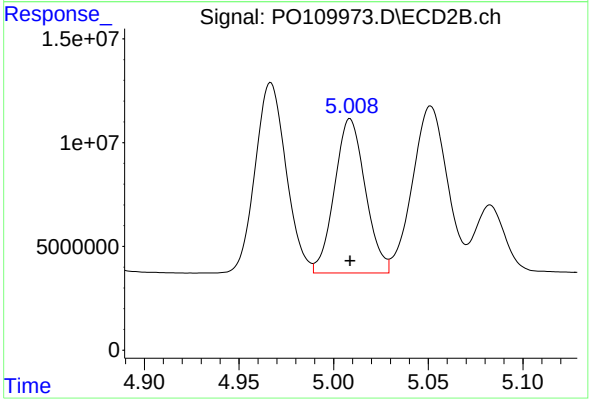
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 103988837
Conc: 748.10 ng/ml



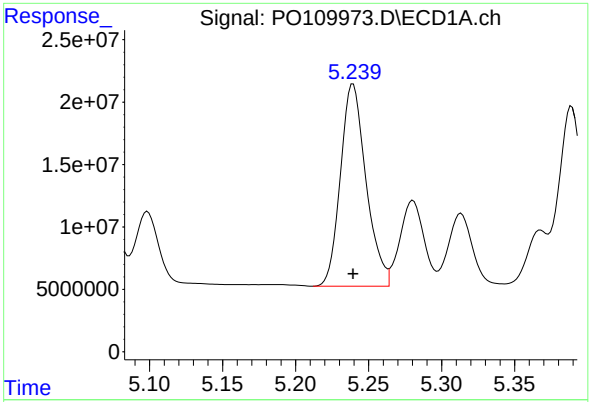
#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 186394664
Conc: 751.64 ng/ml



#6 AR-1016-4

R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 84297055
Conc: 746.61 ng/ml



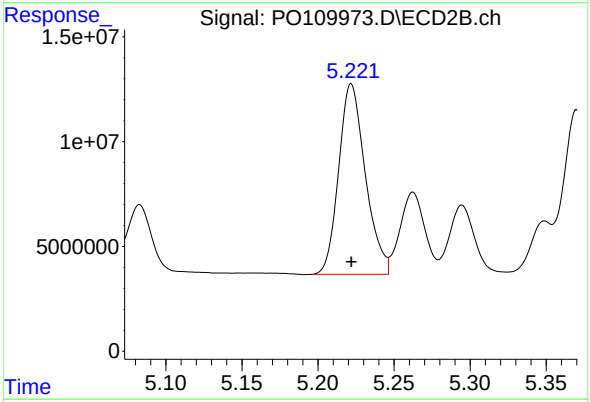
#7 AR-1016-5

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 197756047
Conc: 753.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

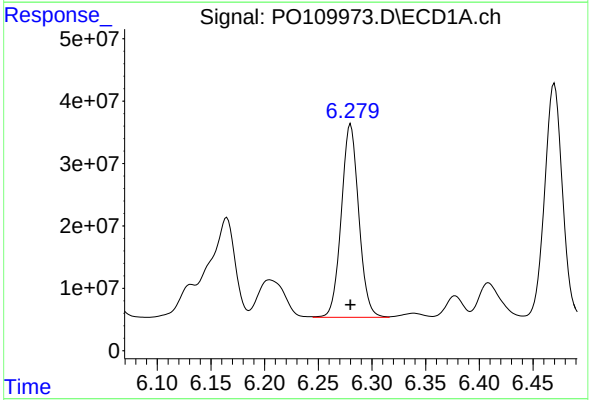
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



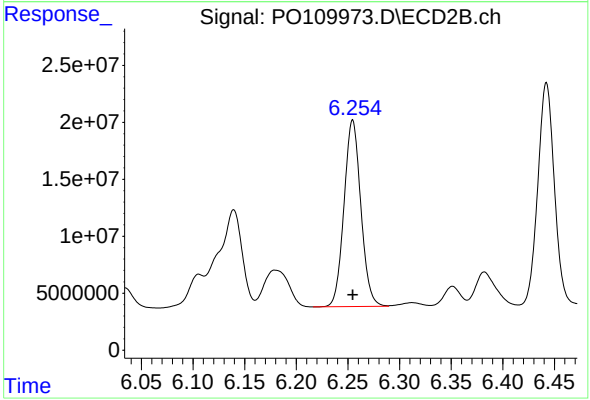
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 110764402
Conc: 750.26 ng/ml



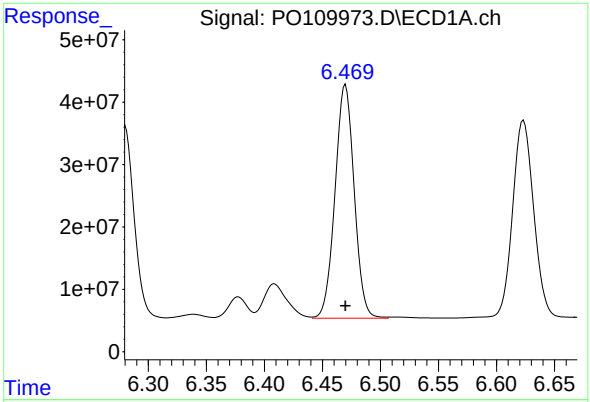
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 350689884
Conc: 755.82 ng/ml



#31 AR-1260-1

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 185810579
Conc: 746.57 ng/ml



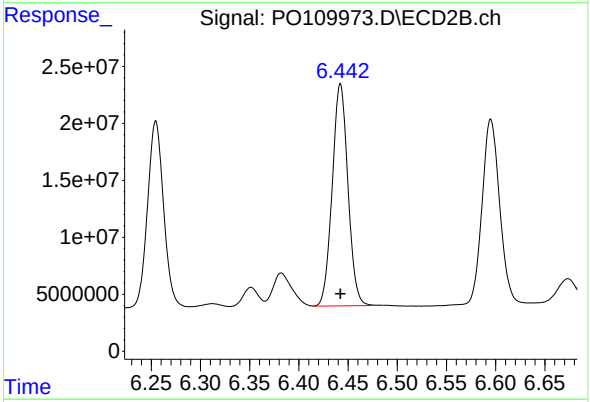
#32 AR-1260-2

R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 429776784
Conc: 759.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

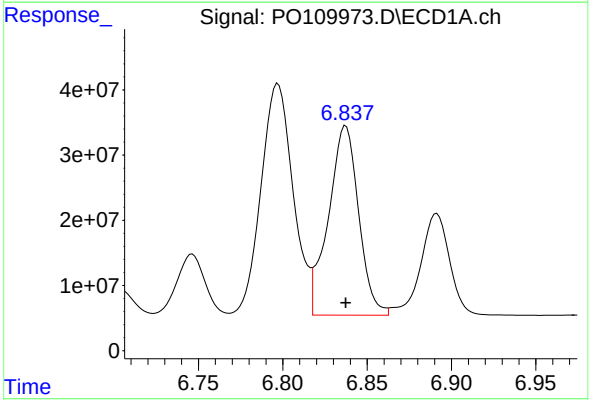
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



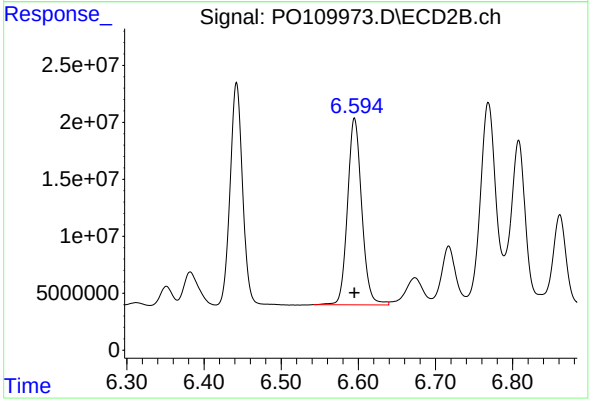
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 216749564
Conc: 745.67 ng/ml



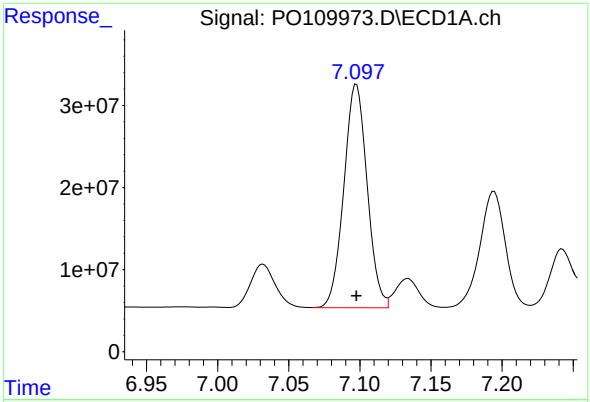
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 362605874
Conc: 757.41 ng/ml



#33 AR-1260-3

R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 209216211
Conc: 751.59 ng/ml



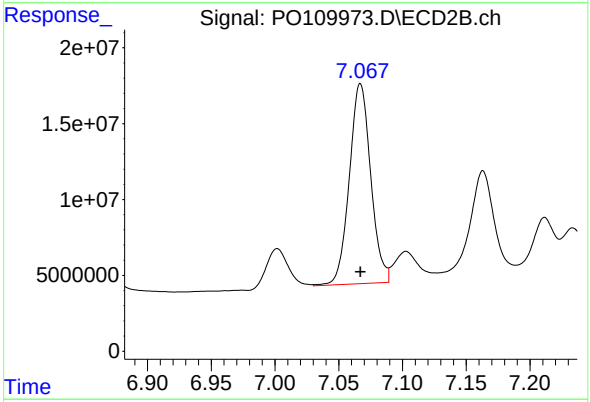
#34 AR-1260-4

R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 310296283
Conc: 751.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

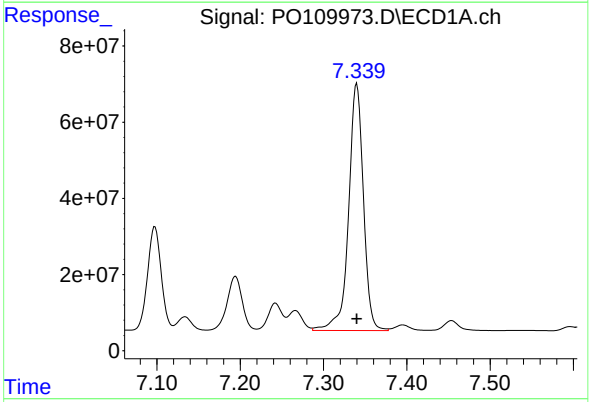
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



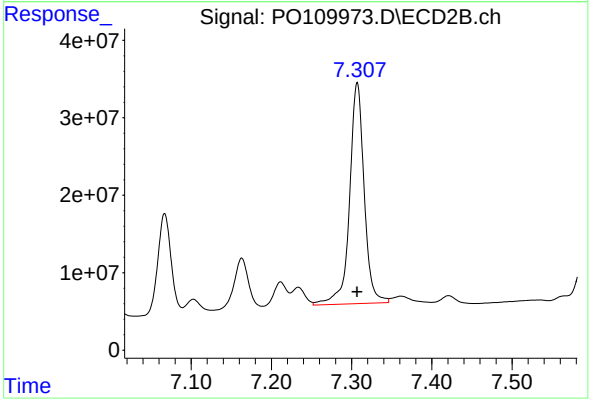
#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 154008109
Conc: 745.58 ng/ml



#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 800891670
Conc: 755.15 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 361321493
Conc: 735.35 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:39
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: Mar 18 16:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	477.8E6	274.0E6	50.000	50.000
2)	SA Decachlor...	8.745	8.696	385.8E6	121.6E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.772	171.1E6	92977156	500.000	500.000
4)	L1 AR-1016-2	4.804	4.791	237.6E6	134.0E6	500.000	500.000
5)	L1 AR-1016-3	4.861	4.967	162.1E6	72165677	500.000	500.000
6)	L1 AR-1016-4	4.981	5.009	128.7E6	59325871	500.000	500.000
7)	L1 AR-1016-5	5.239	5.222	136.4E6	76743016	500.000	500.000
31)	L7 AR-1260-1	6.280	6.255	238.0E6	129.4E6	500.000	500.000
32)	L7 AR-1260-2	6.469	6.442	287.3E6	150.6E6	500.000	500.000
33)	L7 AR-1260-3	6.837	6.595	243.3E6	144.3E6	500.000	500.000
34)	L7 AR-1260-4	7.098	7.067	214.9E6	109.1E6	500.000	500.000
35)	L7 AR-1260-5	7.339	7.307	538.3E6	256.9E6	500.000	500.000

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

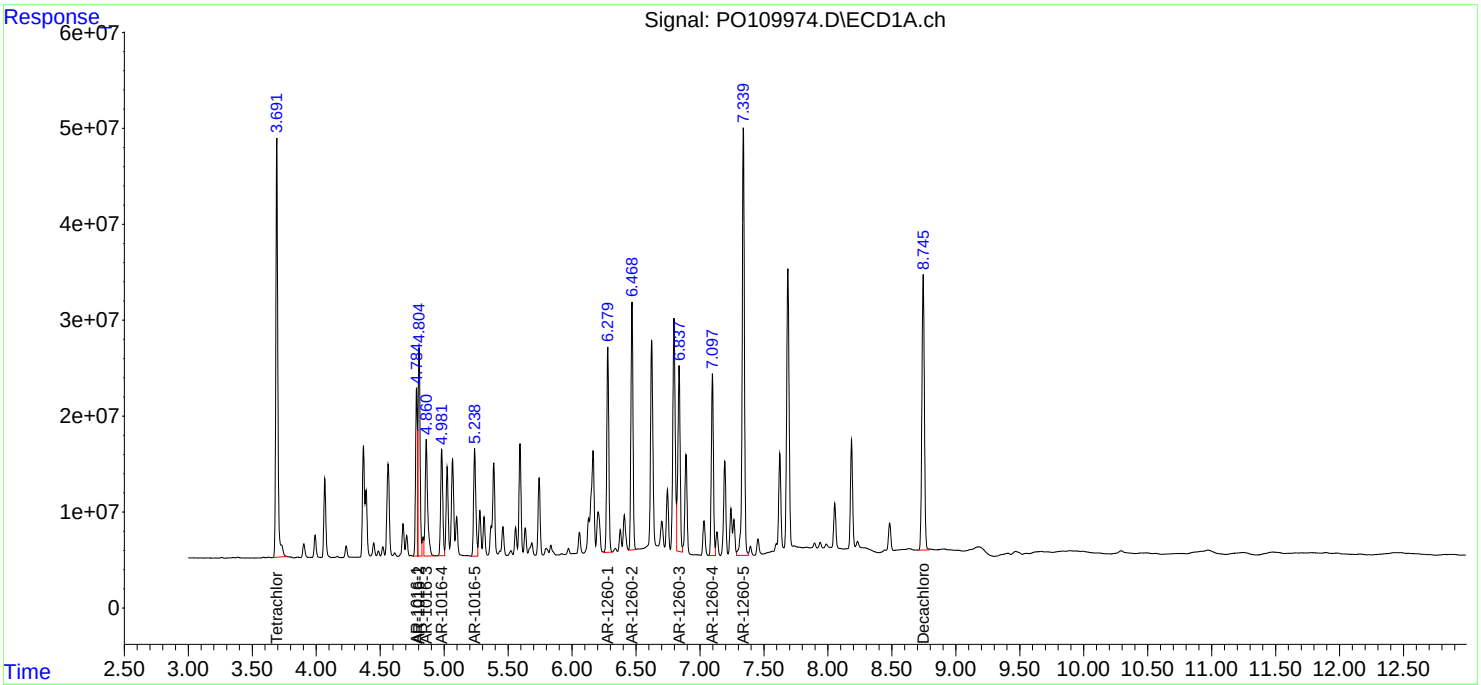
ICAL Form

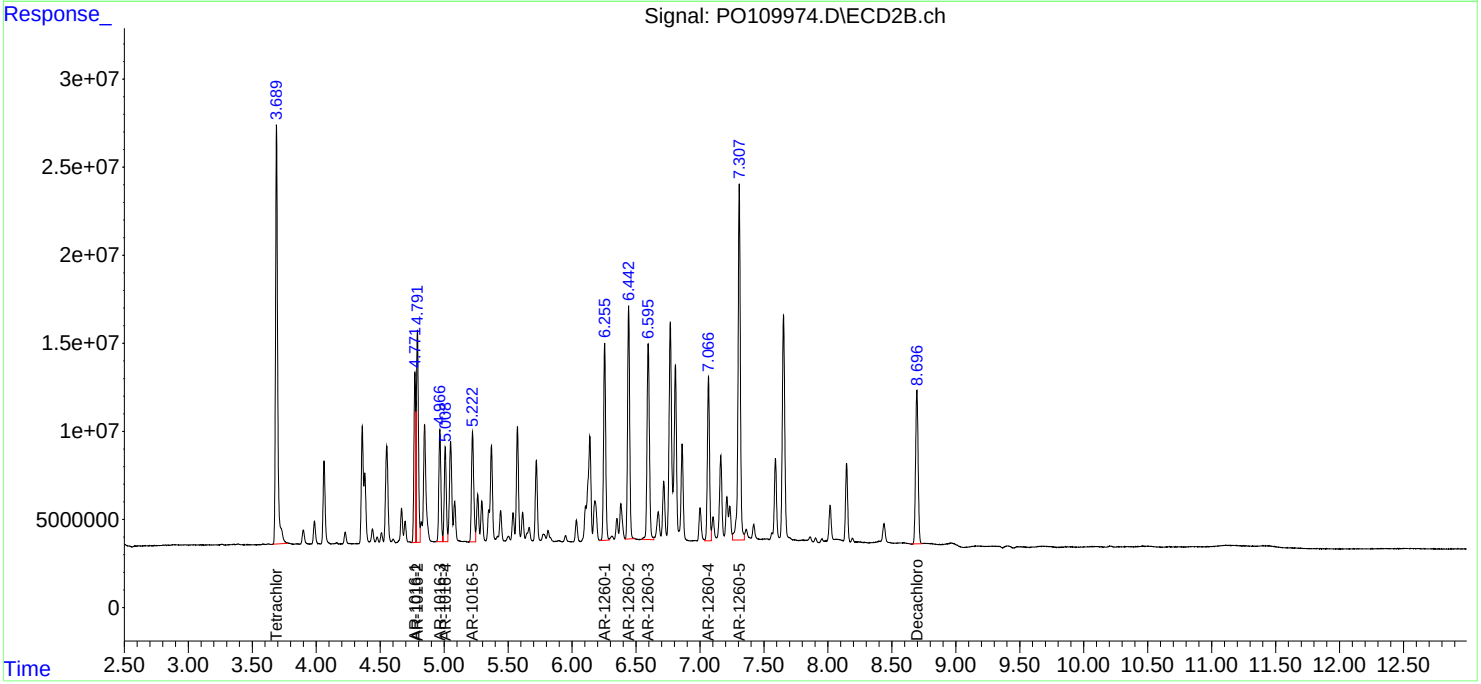
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:39
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

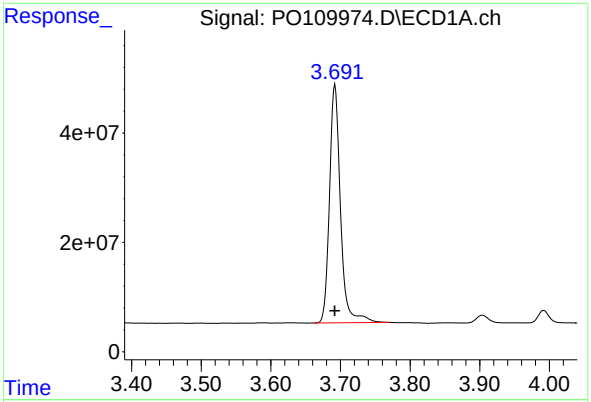
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



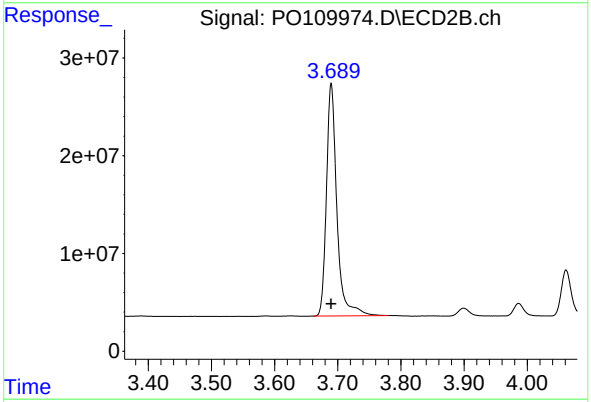




#1 Tetrachloro-m-xylene

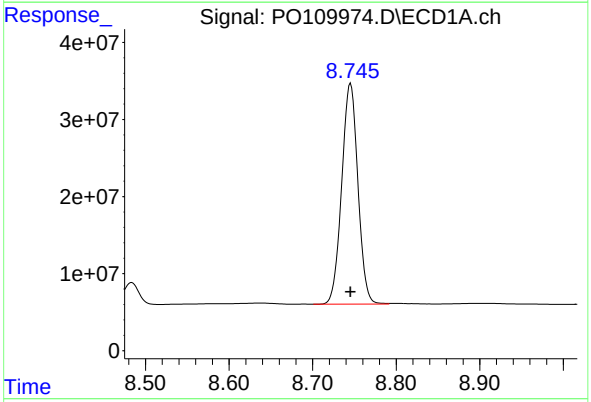
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 477817549
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



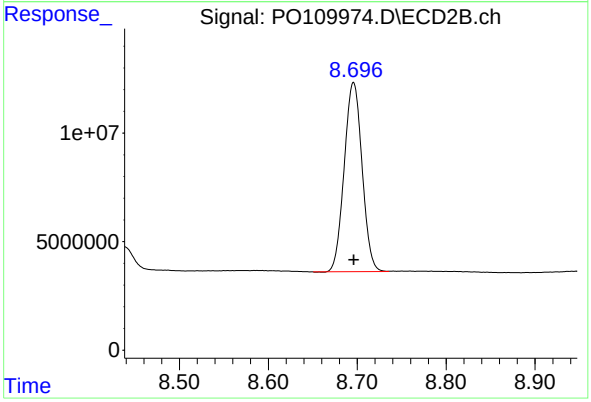
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 274012521
Conc: 50.00 ng/ml



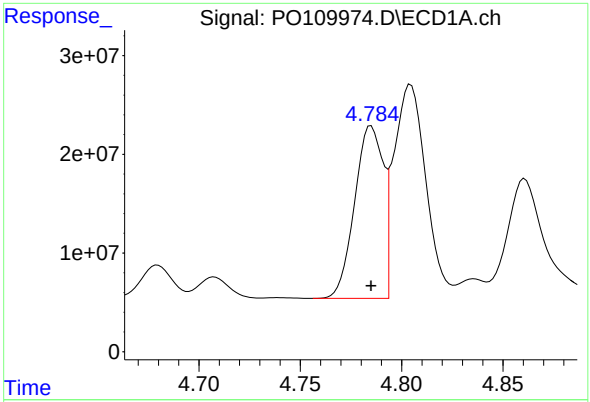
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 385791842
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

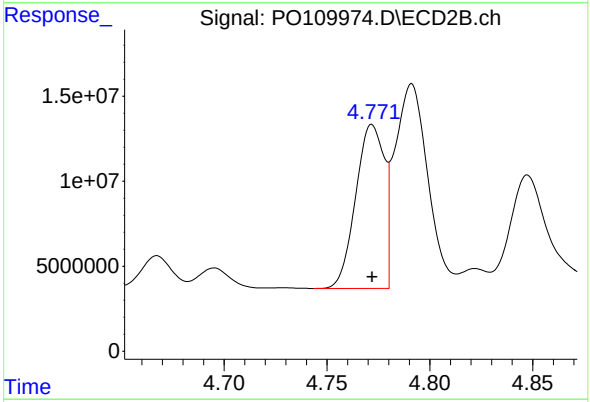
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 121637394
Conc: 50.00 ng/ml



#3 AR-1016-1

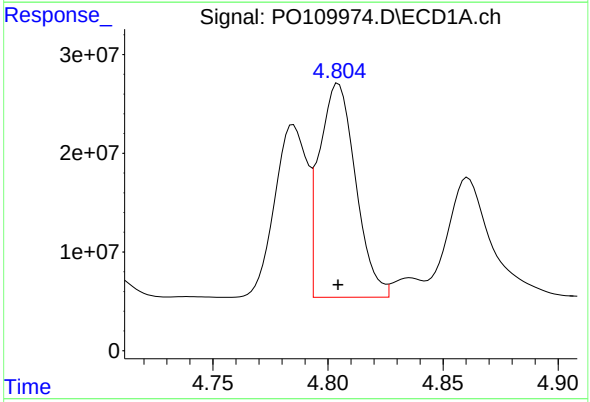
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 171088494
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



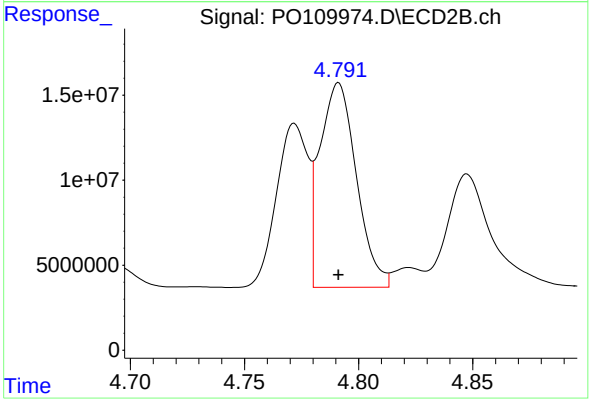
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 92977156
Conc: 500.00 ng/ml



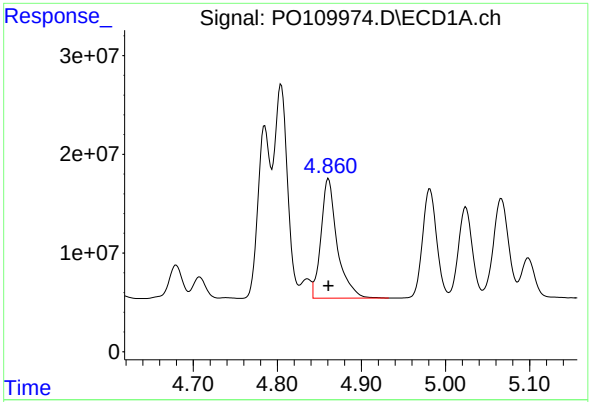
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 237586218
Conc: 500.00 ng/ml



#4 AR-1016-2

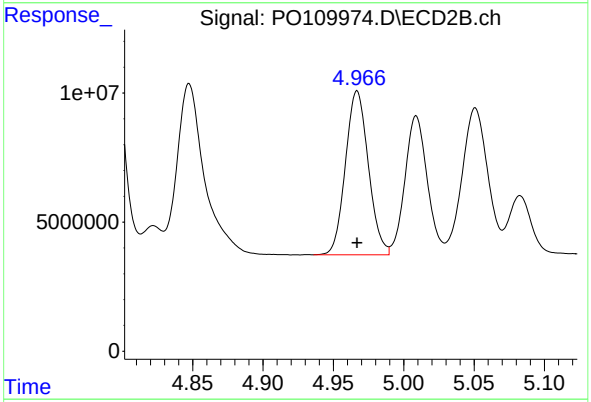
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 134031008
Conc: 500.00 ng/ml



#5 AR-1016-3

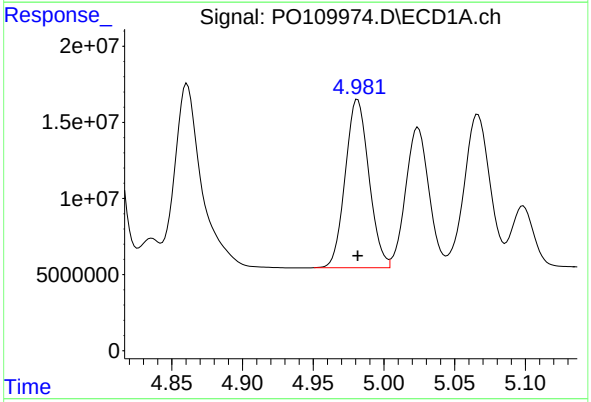
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 162141843
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



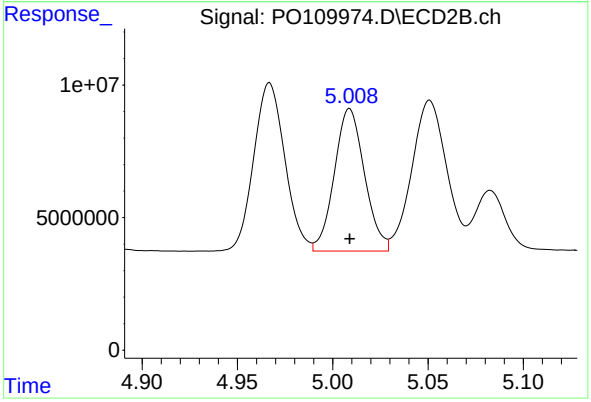
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 72165677
Conc: 500.00 ng/ml



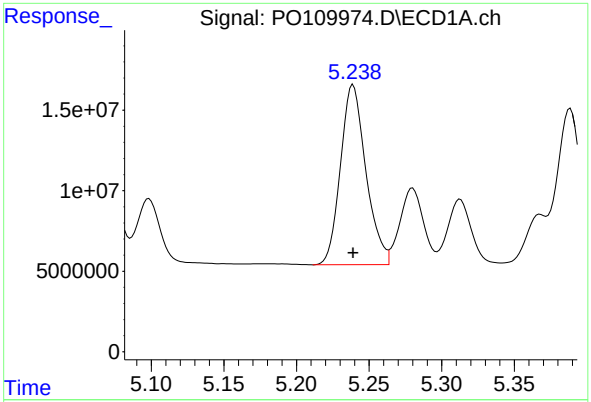
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 128722871
Conc: 500.00 ng/ml



#6 AR-1016-4

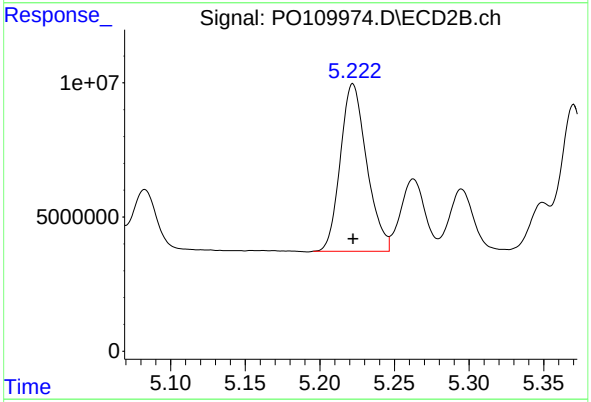
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 59325871
Conc: 500.00 ng/ml



#7 AR-1016-5

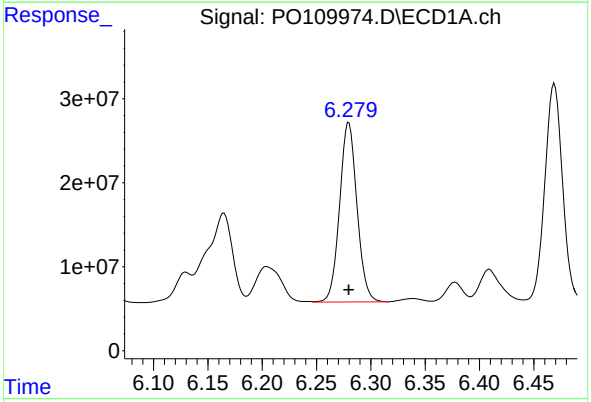
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 136363594
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



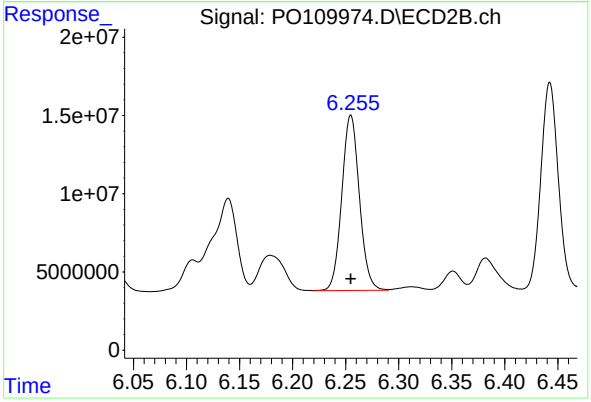
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 76743016
Conc: 500.00 ng/ml



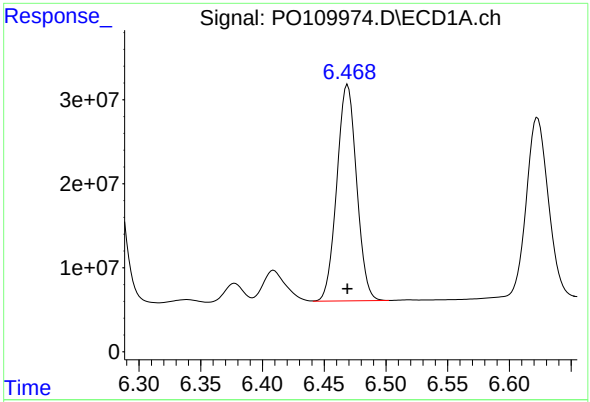
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 237952141
Conc: 500.00 ng/ml



#31 AR-1260-1

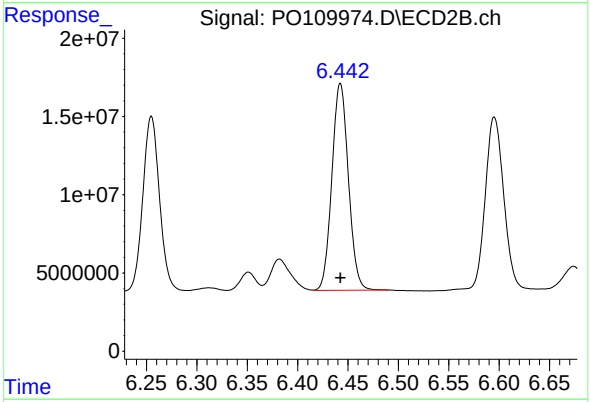
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 129416310
Conc: 500.00 ng/ml



#32 AR-1260-2

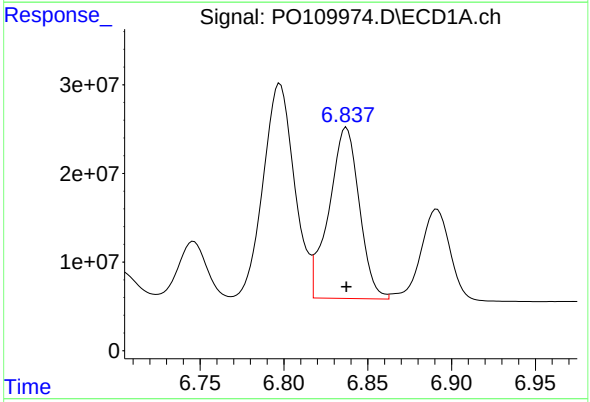
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 287269085
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



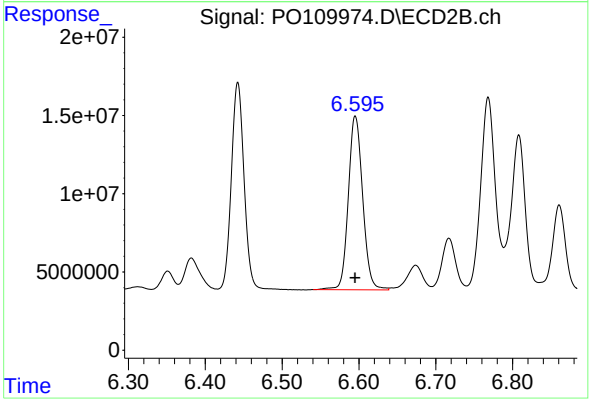
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 150638478
Conc: 500.00 ng/ml



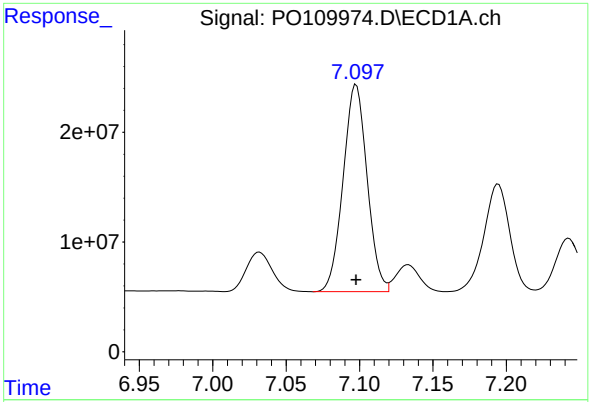
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 243253685
Conc: 500.00 ng/ml



#33 AR-1260-3

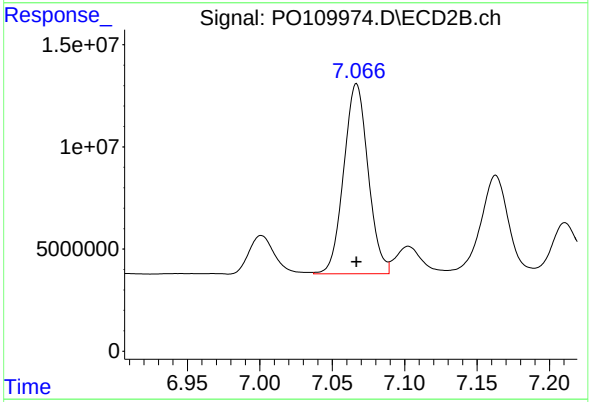
R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 144265334
Conc: 500.00 ng/ml



#34 AR-1260-4

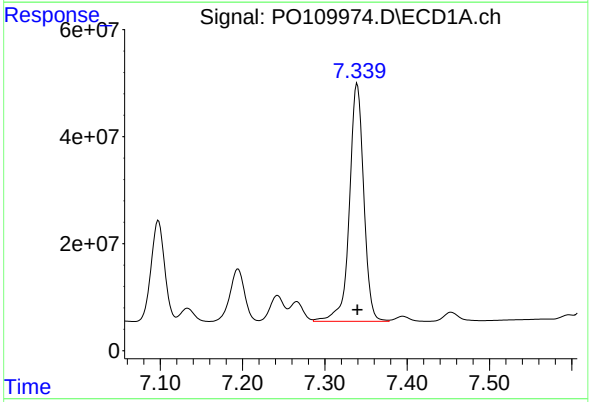
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 214906066
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



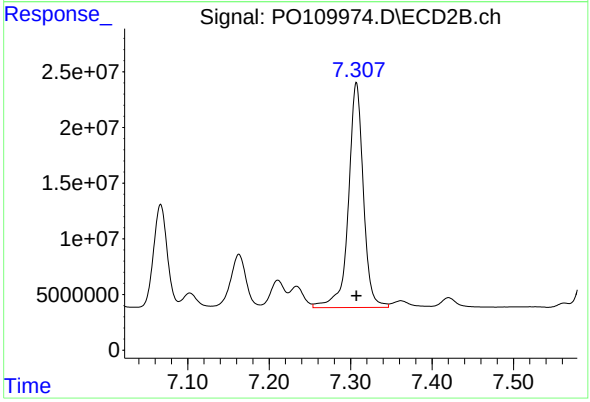
#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 109147436
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 538302683
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 256891434
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:58
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: Mar 18 16:39:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	233.8E6	137.9E6	24.929	25.476
2)	SA Decachlor...	8.745	8.696	201.6E6	65500844	26.286	27.163
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.772	88646972	48746375	263.699	265.987
4)	L1 AR-1016-2	4.804	4.791	123.1E6	69074645	262.197	261.121
5)	L1 AR-1016-3	4.861	4.967	85428739	37541292	268.076	264.759
6)	L1 AR-1016-4	4.981	5.009	67025370	31466909	264.908	270.924
7)	L1 AR-1016-5	5.239	5.222	72404369	40645243	269.031	268.512
31)	L7 AR-1260-1	6.280	6.254	125.2E6	68345949	264.643	268.013
32)	L7 AR-1260-2	6.469	6.441	151.2E6	78966840	262.745	265.904
33)	L7 AR-1260-3	6.837	6.594	126.6E6	76461934	260.615	268.065
34)	L7 AR-1260-4	7.097	7.066	113.3E6	57323009	267.737	270.080
35)	L7 AR-1260-5	7.339	7.307	272.1E6	130.2E6	254.883	260.615

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

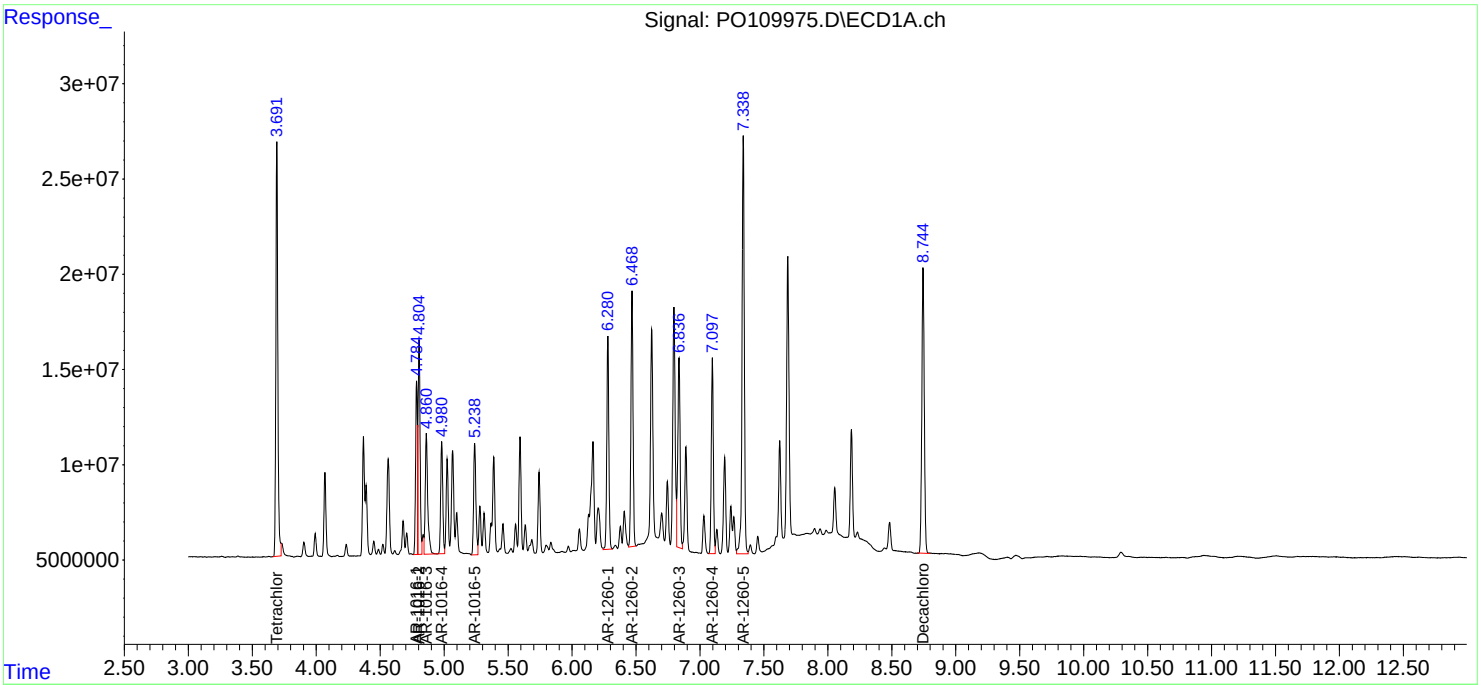
ICAL Form

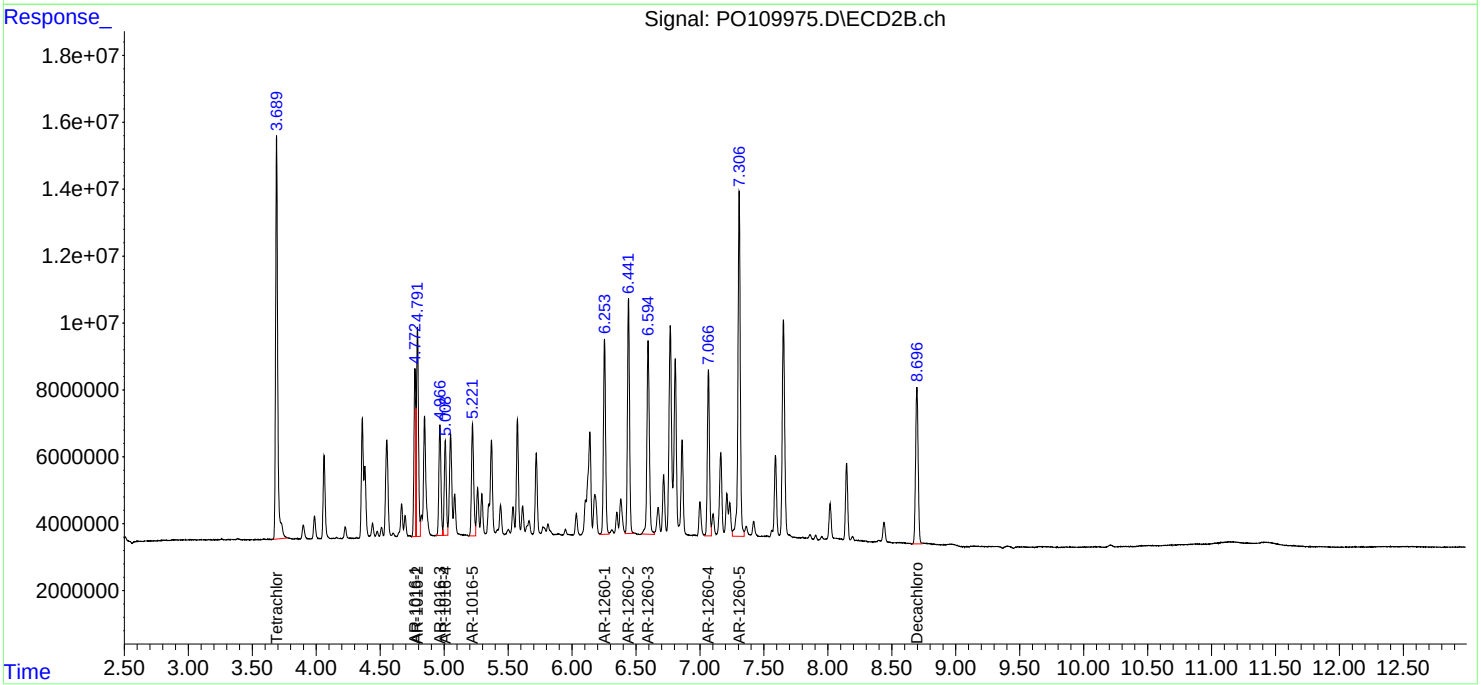
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:58
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

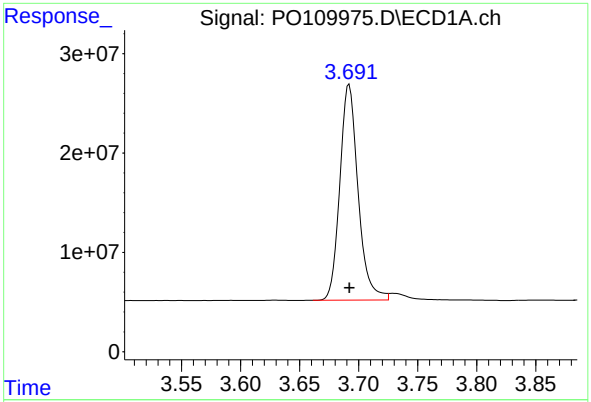
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:39:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



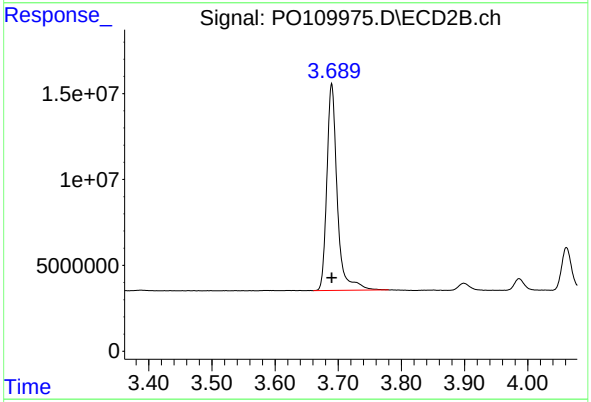




#1 Tetrachloro-m-xylene

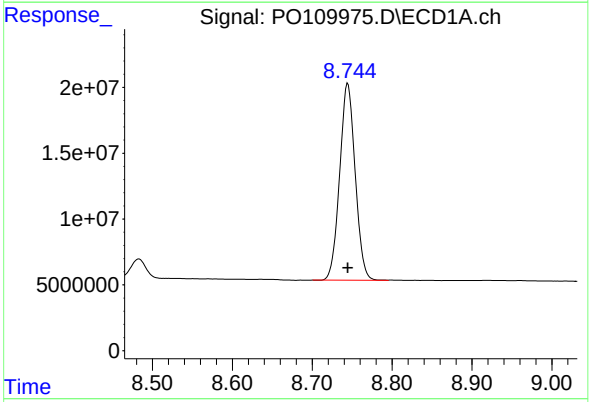
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 233755001
Conc: 24.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



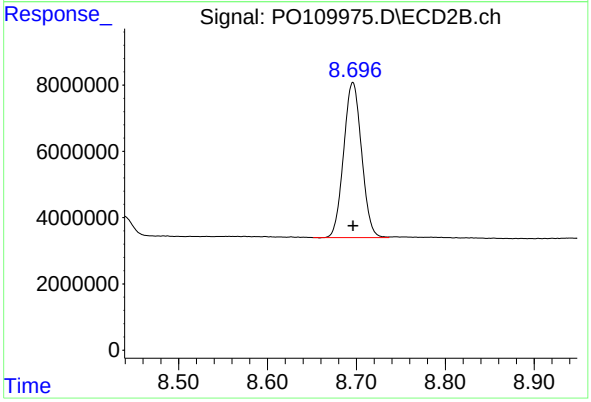
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 137920449
Conc: 25.48 ng/ml



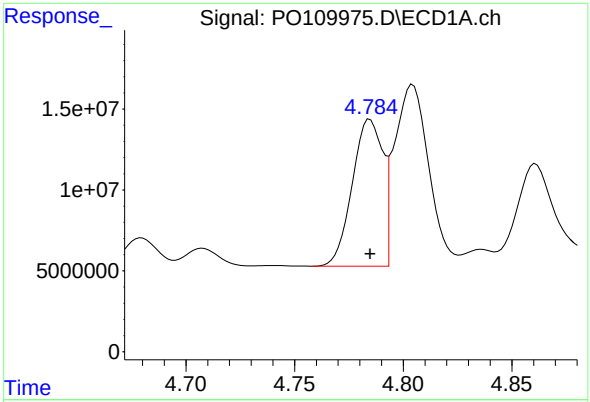
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 201609663
Conc: 26.29 ng/ml



#2 Decachlorobiphenyl

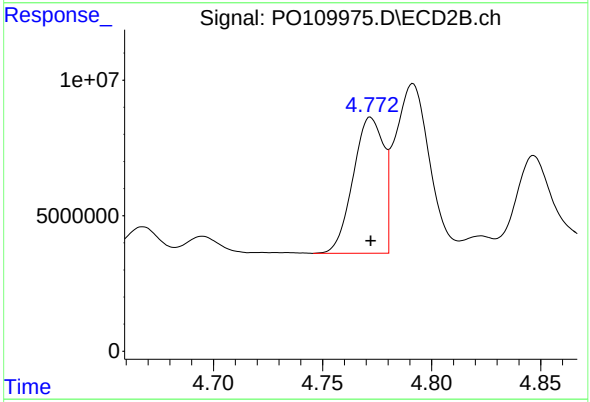
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 65500844
Conc: 27.16 ng/ml



#3 AR-1016-1

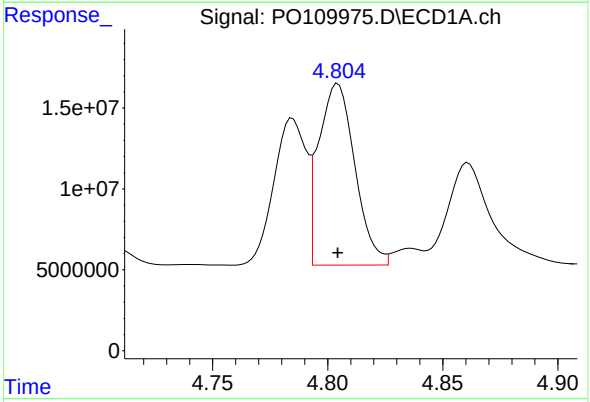
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 88646972
Conc: 263.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



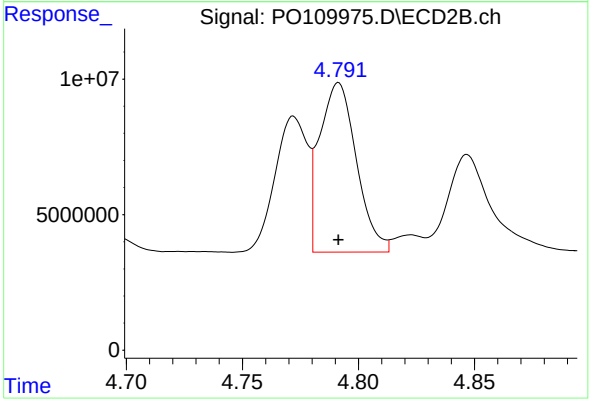
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 48746375
Conc: 265.99 ng/ml



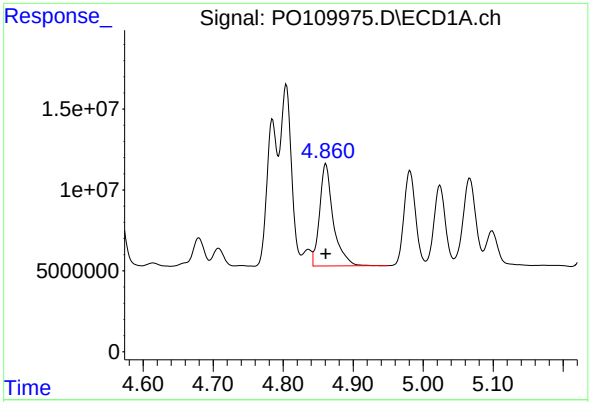
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 123072474
Conc: 262.20 ng/ml



#4 AR-1016-2

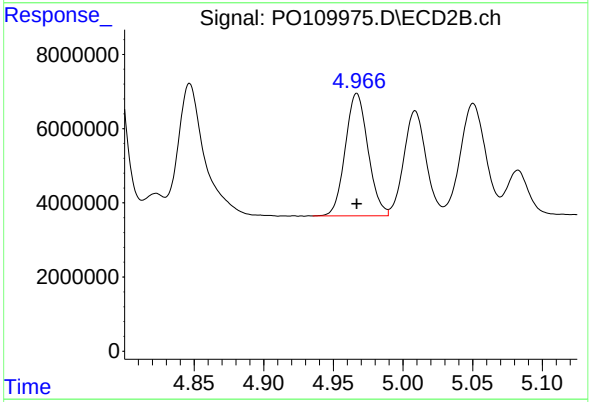
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 69074645
Conc: 261.12 ng/ml



#5 AR-1016-3

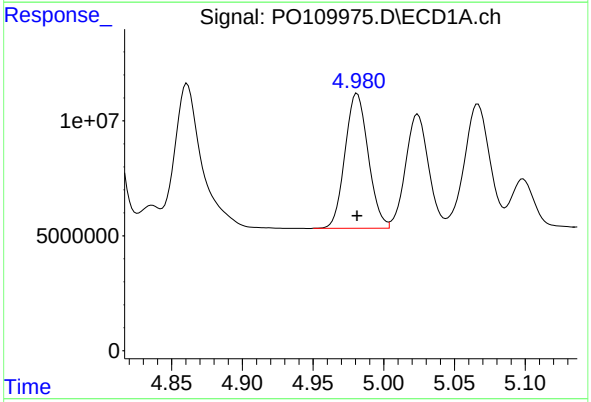
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 85428739
Conc: 268.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



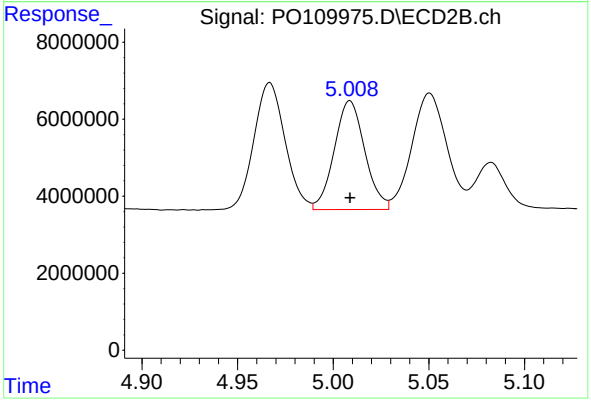
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 37541292
Conc: 264.76 ng/ml



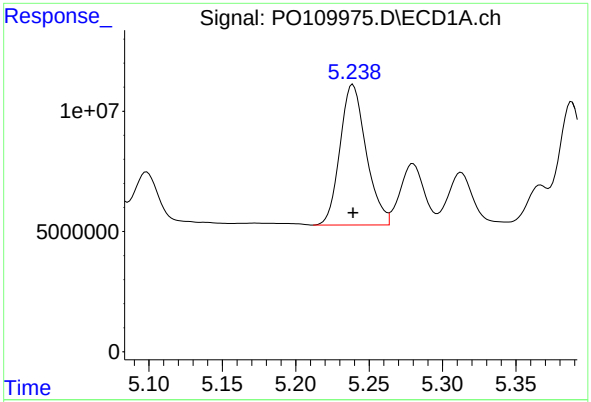
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 67025370
Conc: 264.91 ng/ml



#6 AR-1016-4

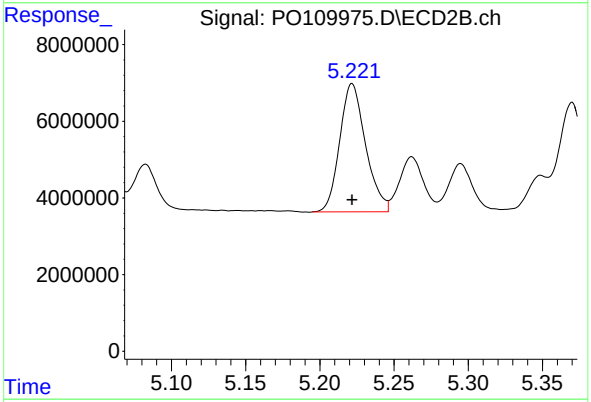
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 31466909
Conc: 270.92 ng/ml



#7 AR-1016-5

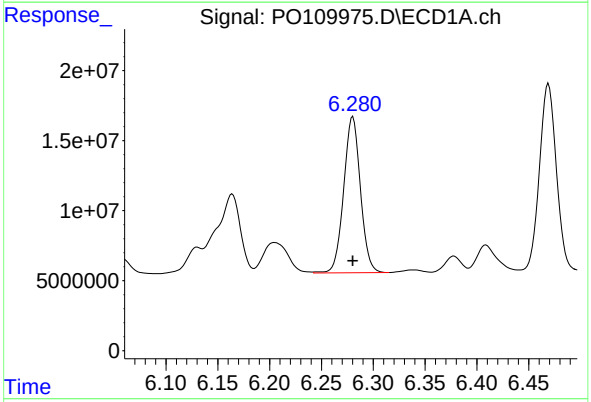
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 72404369
Conc: 269.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



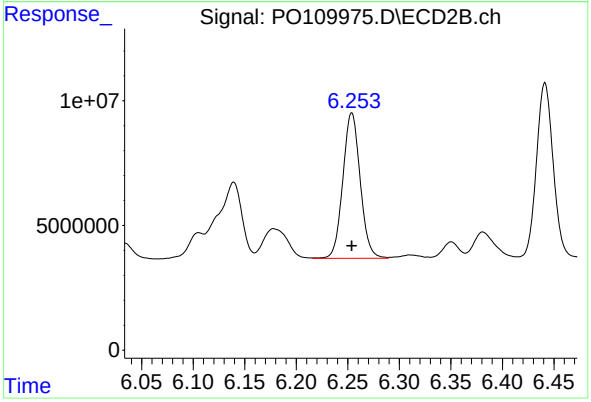
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 40645243
Conc: 268.51 ng/ml



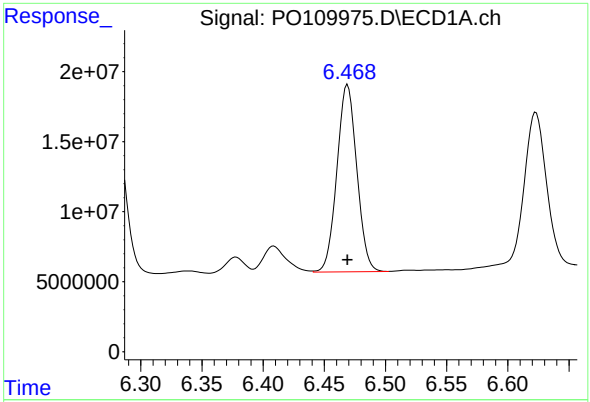
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 125236229
Conc: 264.64 ng/ml



#31 AR-1260-1

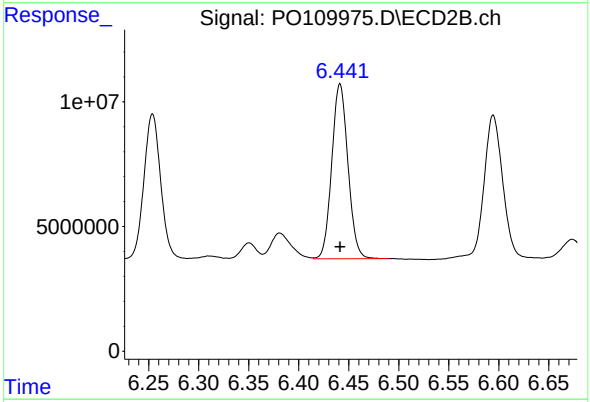
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 68345949
Conc: 268.01 ng/ml



#32 AR-1260-2

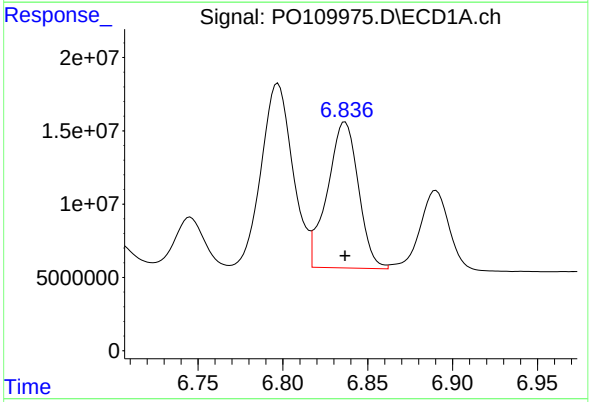
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 151225079
Conc: 262.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



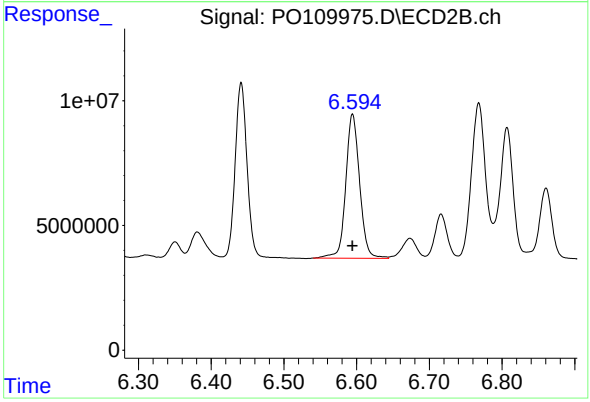
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 78966840
Conc: 265.90 ng/ml



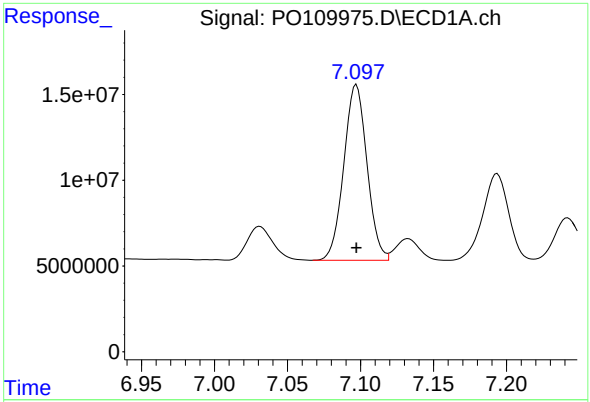
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 126558412
Conc: 260.61 ng/ml



#33 AR-1260-3

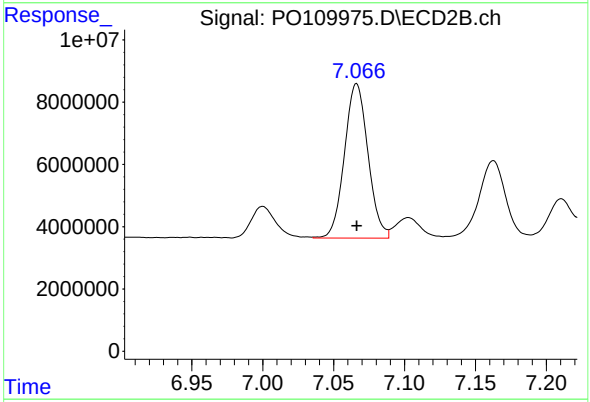
R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 76461934
Conc: 268.07 ng/ml



#34 AR-1260-4

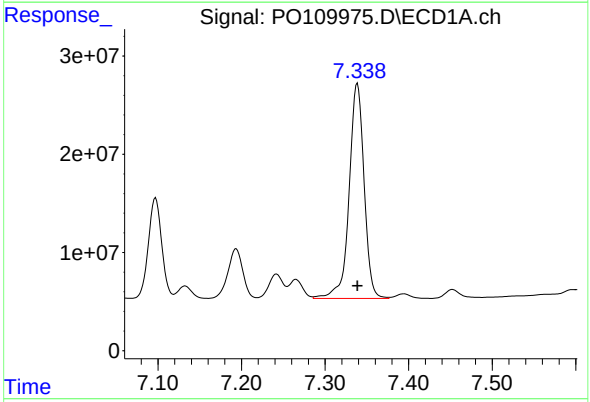
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 113264613
Conc: 267.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



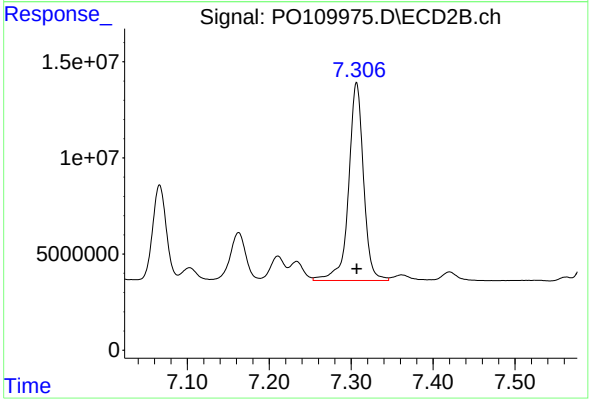
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: 0.000 min
Response: 57323009
Conc: 270.08 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 272092445
Conc: 254.88 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 130197884
Conc: 260.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.688	39998137	22828400	4.395	4.353
2)	SA Decachlor...	8.744	8.695	38817794	12425222	5.049	5.121
	Target Compounds						
3)	L1 AR-1016-1	4.784	4.771	16902653	9160493	50.224	49.988
4)	L1 AR-1016-2	4.804	4.790	22043406	12469957	47.540	47.685
5)	L1 AR-1016-3	4.860	4.965	16411868	7085785	51.193	49.978
6)	L1 AR-1016-4	4.981	5.008	12569483	6253080	49.743	53.024
7)	L1 AR-1016-5	5.238	5.220	14890720	7955288	54.174	52.023
31)	L7 AR-1260-1	6.278	6.252	23192253	12858546	48.956m	50.252m
32)	L7 AR-1260-2	6.468	6.441	33768251	15676301	56.704	52.205
33)	L7 AR-1260-3	6.836	6.593	24202394	15198300	49.871	53.072m
34)	L7 AR-1260-4	7.096	7.065	21433117	11320638	50.530	52.635
35)	L7 AR-1260-5	7.339	7.306	47957612	24758089	45.855	49.646

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

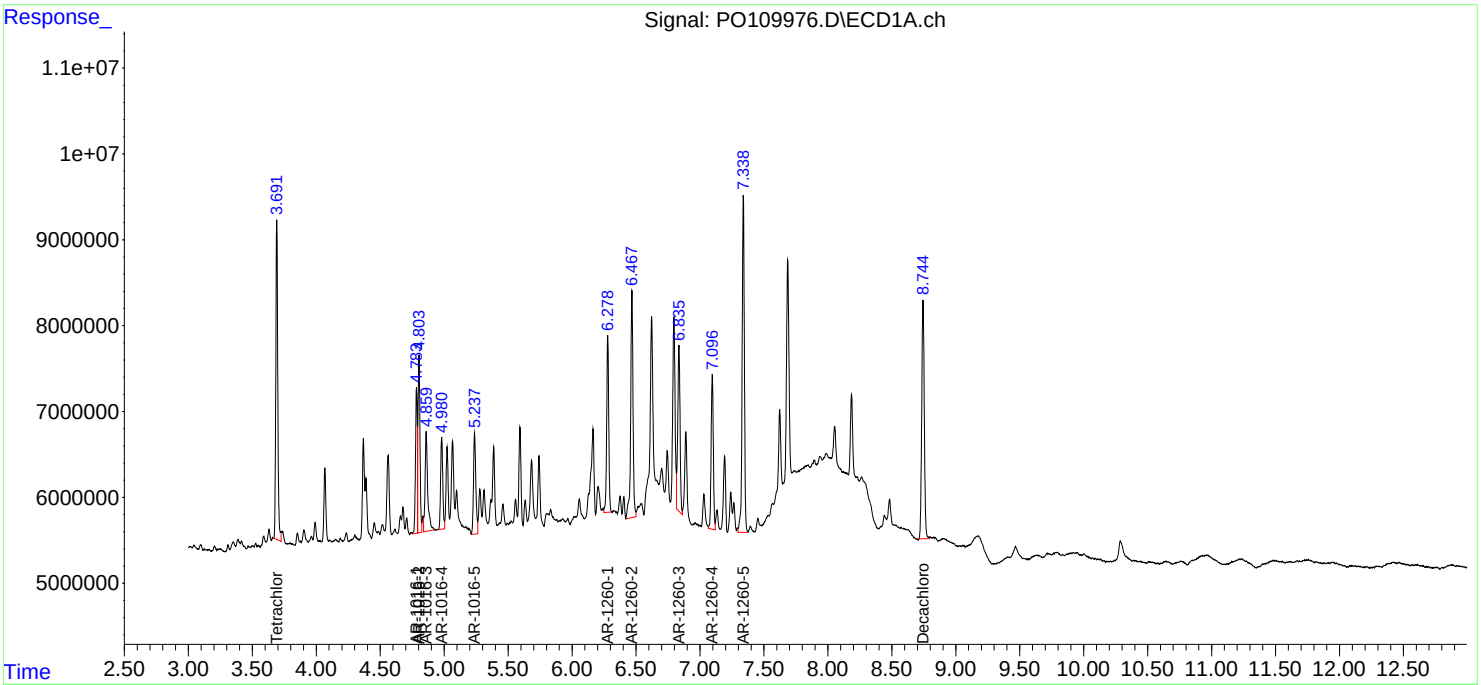
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

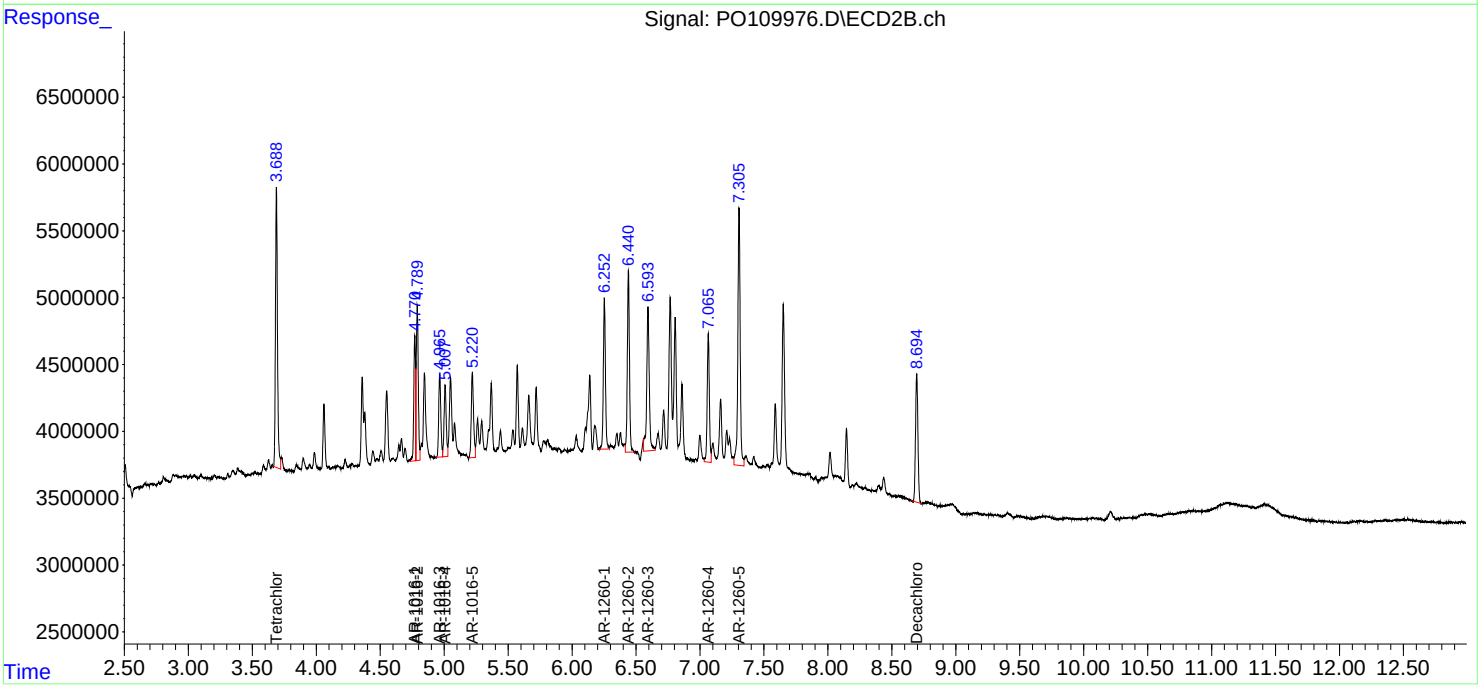
Manual Integrations APPROVED

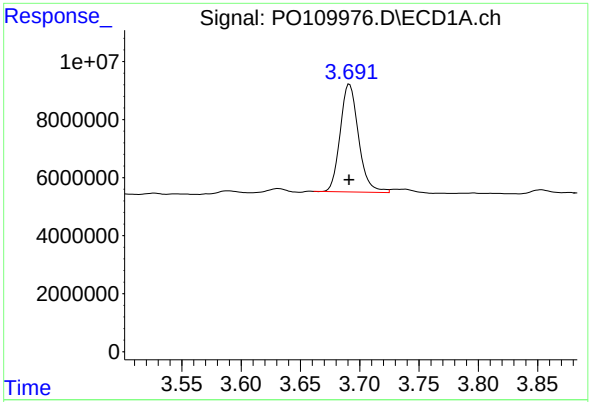
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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







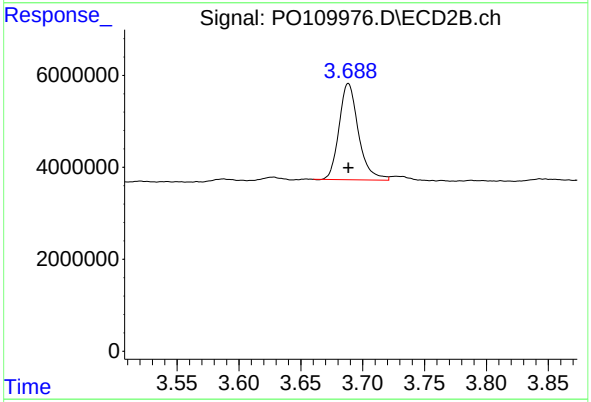
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 39998137
Conc: 4.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

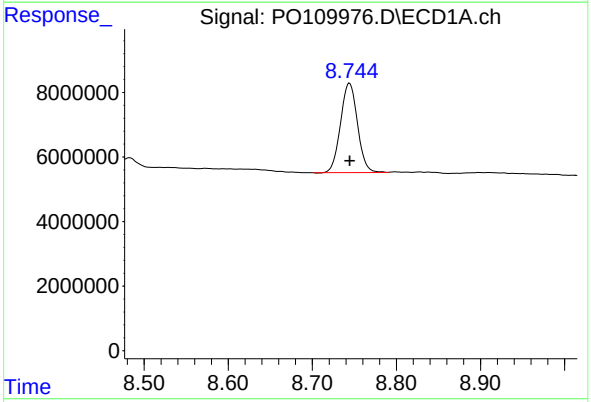
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



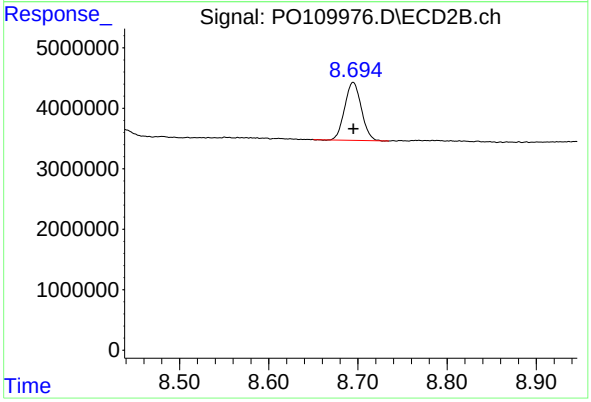
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 22828400
Conc: 4.35 ng/ml



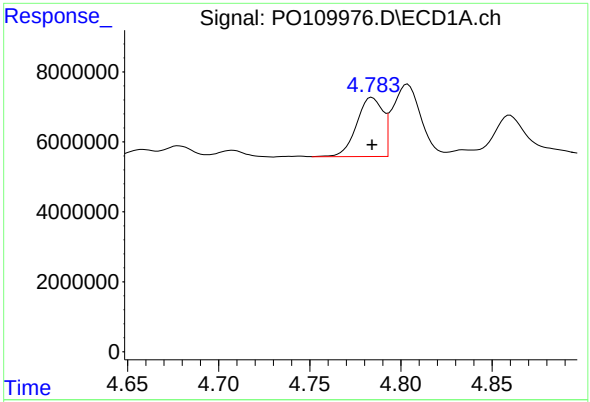
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 38817794
Conc: 5.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 12425222
Conc: 5.12 ng/ml



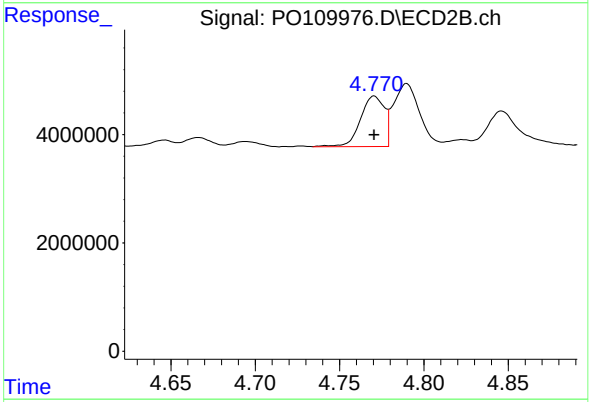
#3 AR-1016-1

R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 16902653
Conc: 50.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

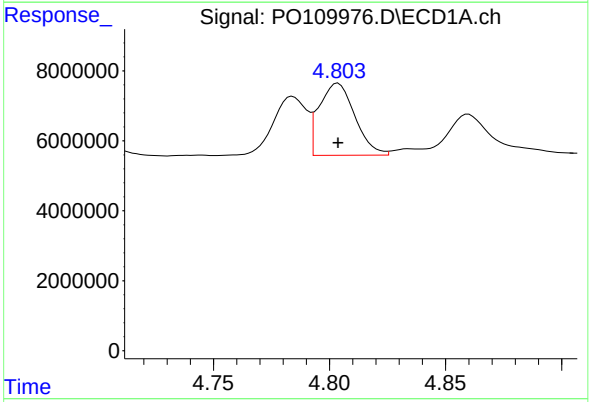
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



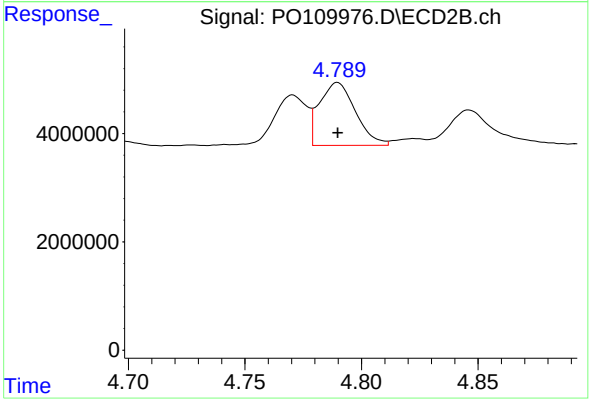
#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 9160493
Conc: 49.99 ng/ml



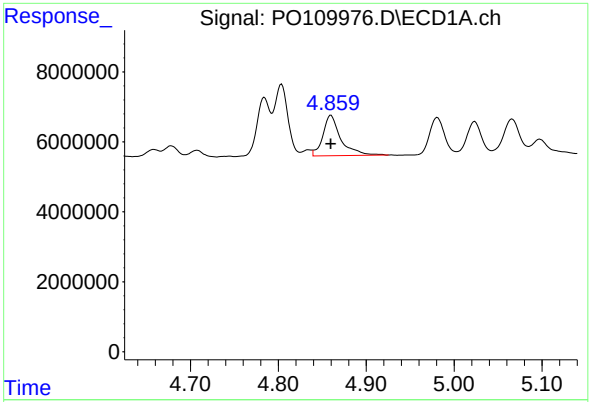
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 22043406
Conc: 47.54 ng/ml



#4 AR-1016-2

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 12469957
Conc: 47.69 ng/ml



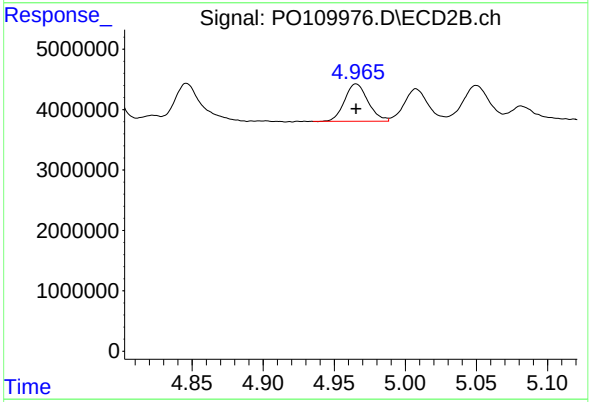
#5 AR-1016-3

R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 16411868
Conc: 51.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

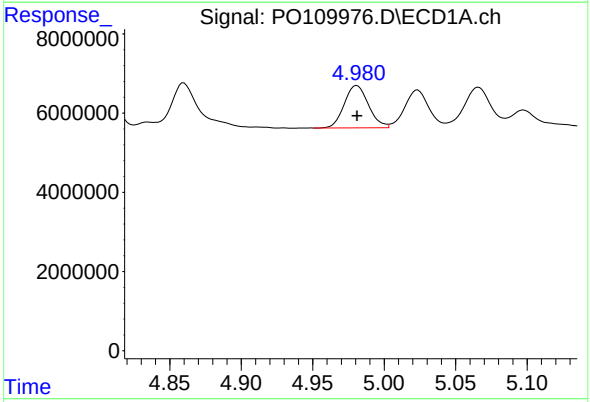
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



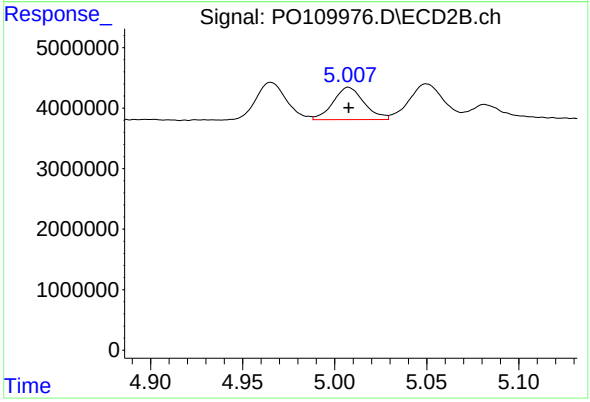
#5 AR-1016-3

R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 7085785
Conc: 49.98 ng/ml



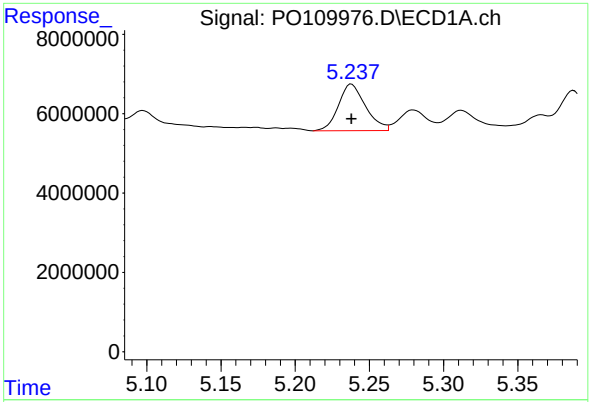
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 12569483
Conc: 49.74 ng/ml



#6 AR-1016-4

R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 6253080
Conc: 53.02 ng/ml



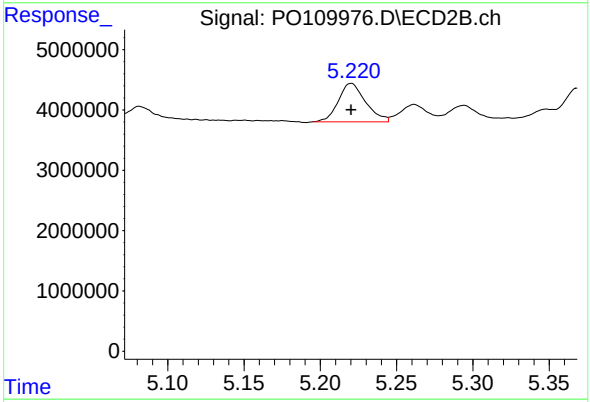
#7 AR-1016-5

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 14890720
Conc: 54.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

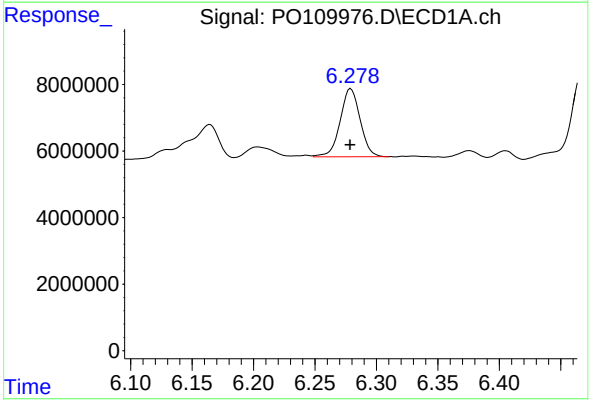
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



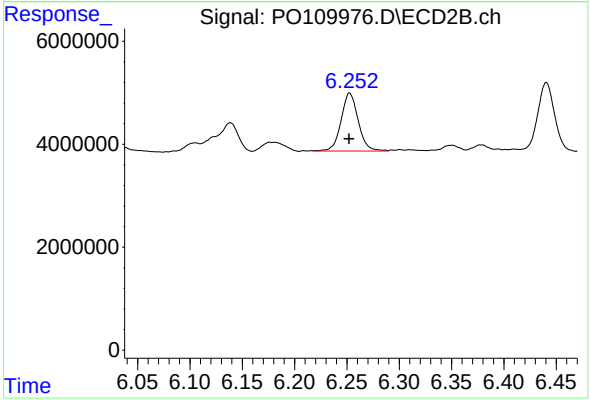
#7 AR-1016-5

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 7955288
Conc: 52.02 ng/ml



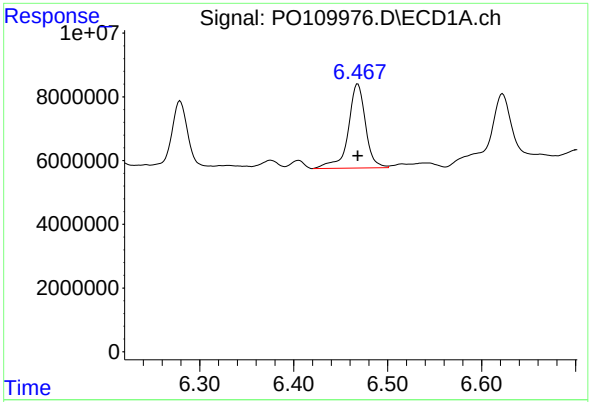
#31 AR-1260-1

R.T.: 6.278 min
Delta R.T.: 0.000 min
Response: 23192253
Conc: 48.96 ng/ml m



#31 AR-1260-1

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 12858546
Conc: 50.25 ng/ml m



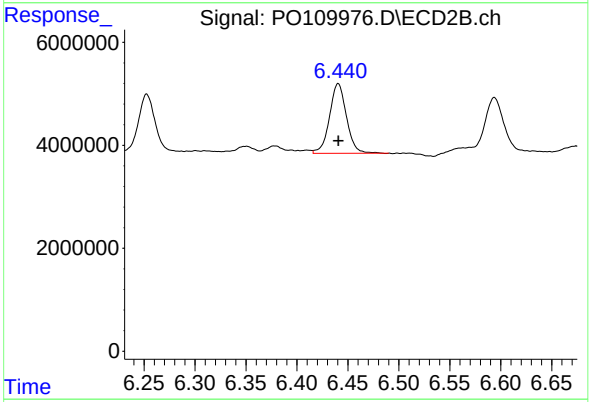
#32 AR-1260-2

R.T.: 6.468 min
Delta R.T.: 0.000 min
Response: 33768251
Conc: 56.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

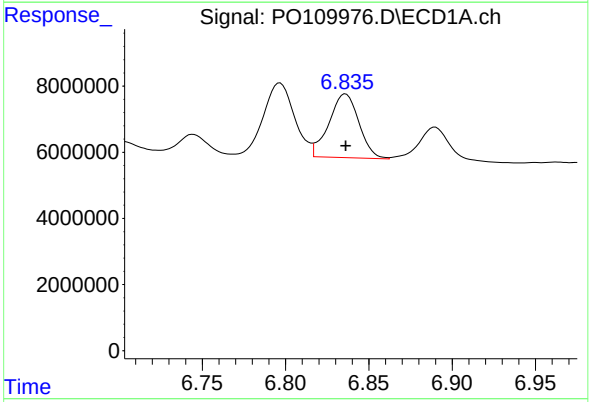
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



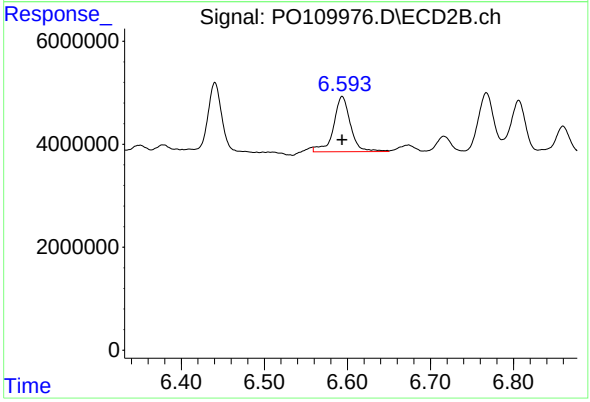
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 15676301
Conc: 52.20 ng/ml



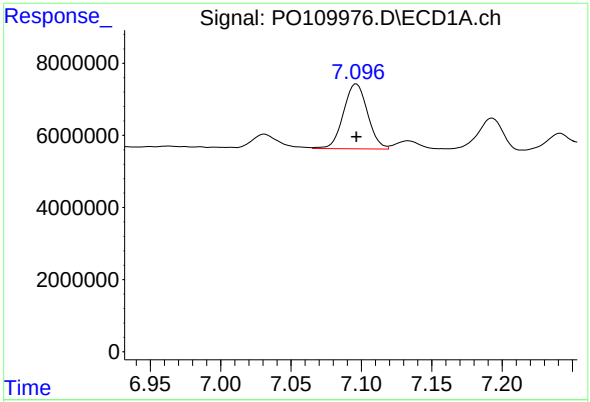
#33 AR-1260-3

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 24202394
Conc: 49.87 ng/ml



#33 AR-1260-3

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 15198300
Conc: 53.07 ng/ml m



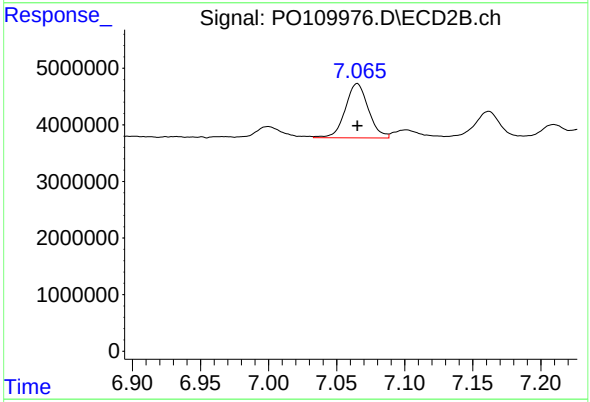
#34 AR-1260-4

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 21433117
Conc: 50.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

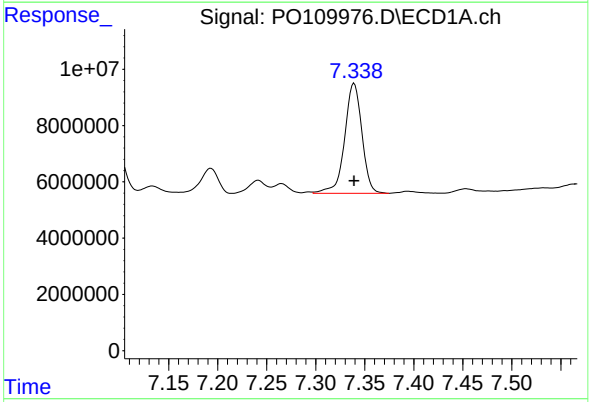
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



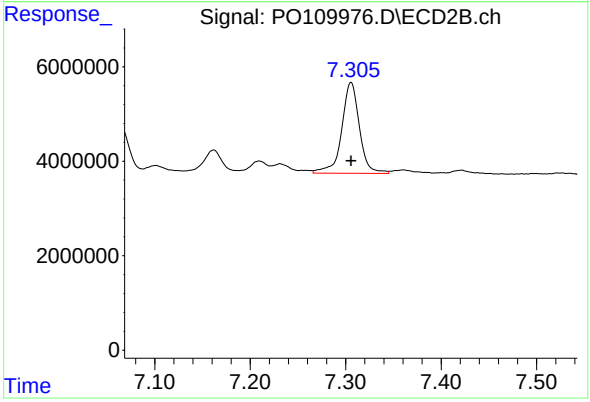
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 11320638
Conc: 52.63 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 47957612
Conc: 45.86 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 24758089
Conc: 49.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:34
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:27:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	428.4E6	261.3E6	50.000	50.000
2)	SA Decachlor...	8.743	8.696	367.0E6	116.0E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.906	3.901	57914123	33441082	500.000	500.000
9)	L2 AR-1221-2	3.992	3.986	43249856	24690825	500.000	500.000
10)	L2 AR-1221-3	4.069	4.062	130.8E6	75841971	500.000	500.000

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

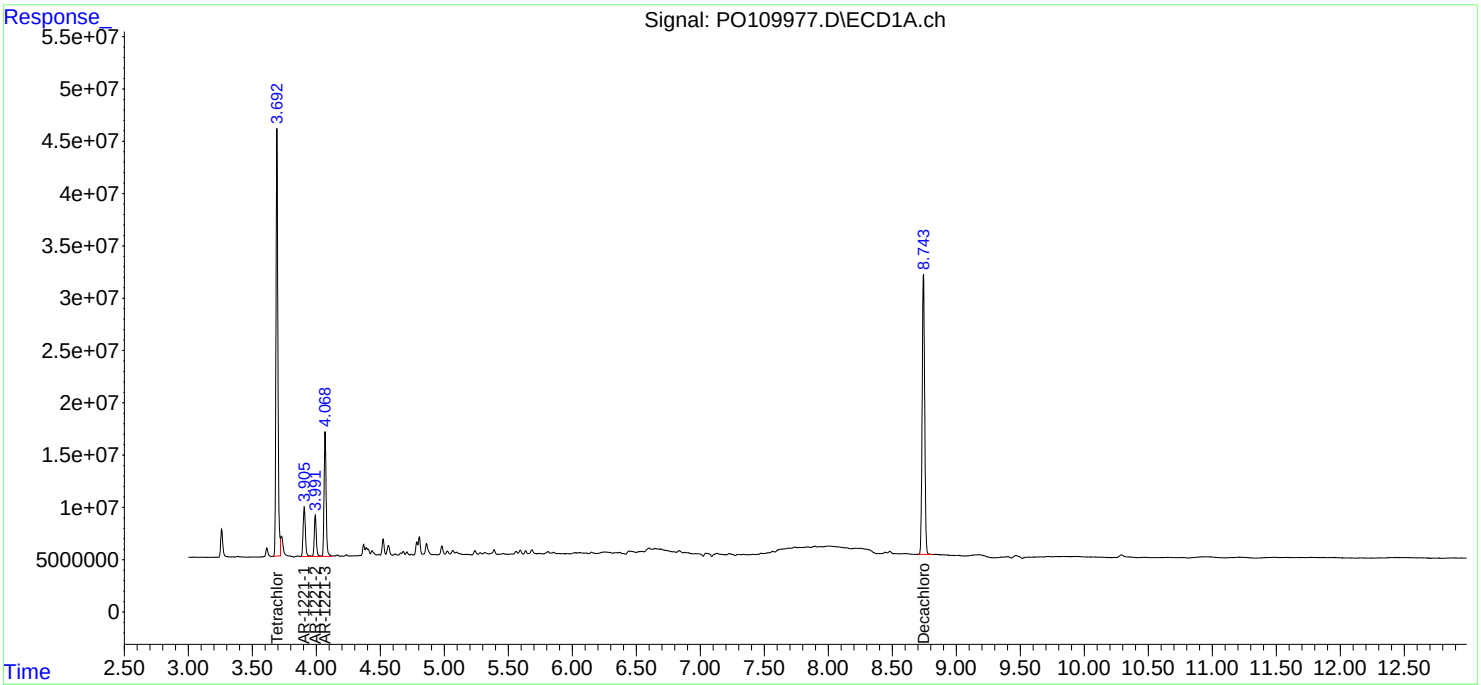
ICAL Form

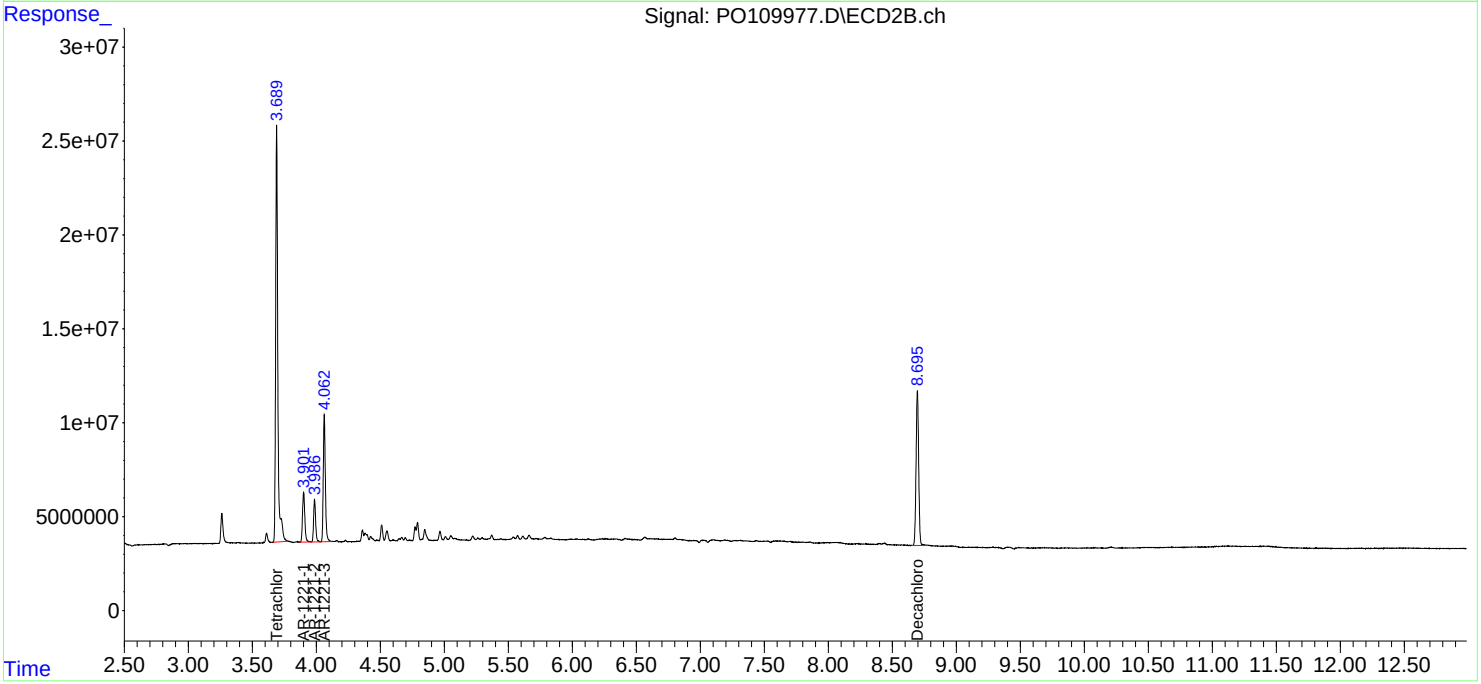
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:34
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

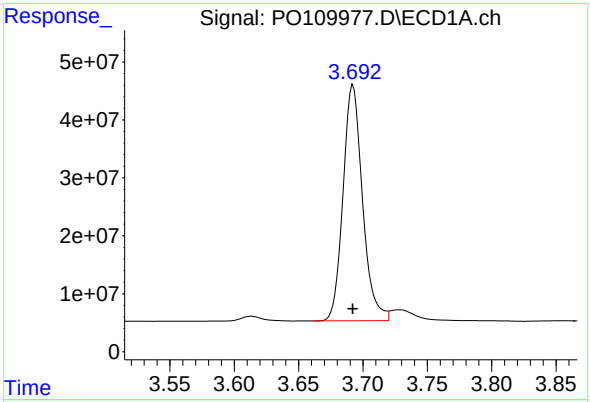
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:27:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



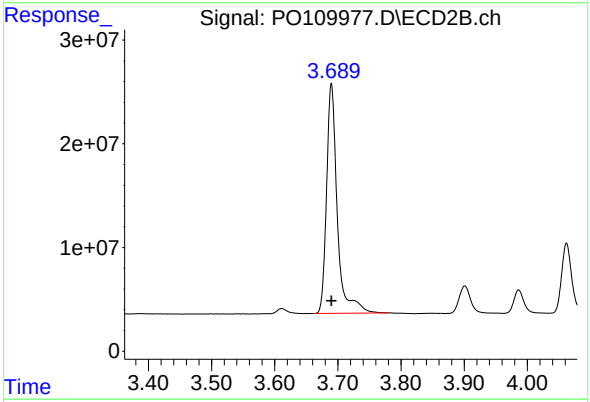




#1 Tetrachloro-m-xylene

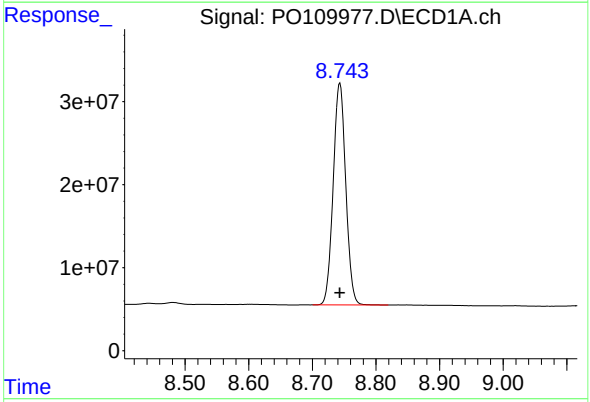
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 428446750
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



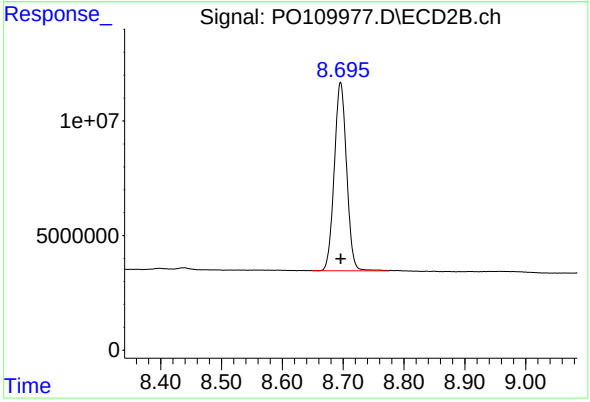
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 261250272
Conc: 50.00 ng/ml



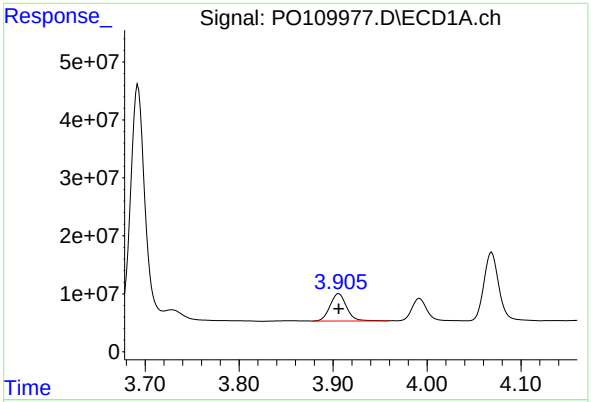
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 367001269
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

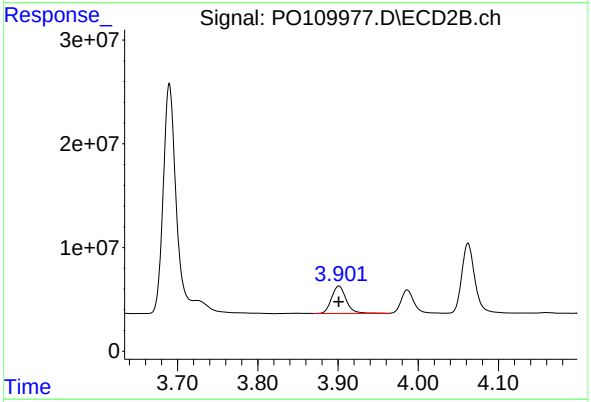
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 115987092
Conc: 50.00 ng/ml



#8 AR-1221-1

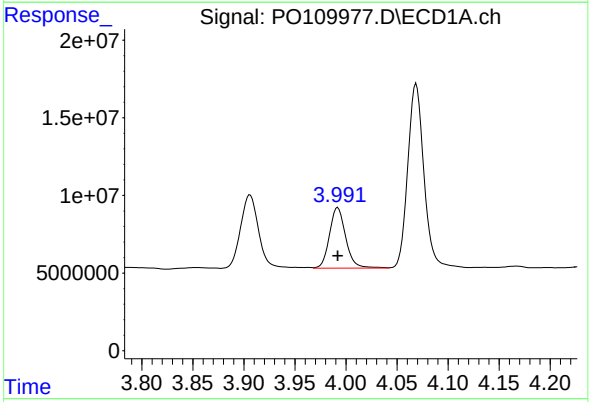
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 57914123
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



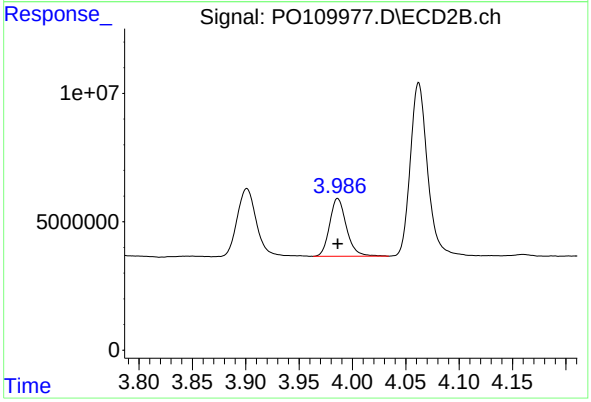
#8 AR-1221-1

R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 33441082
Conc: 500.00 ng/ml



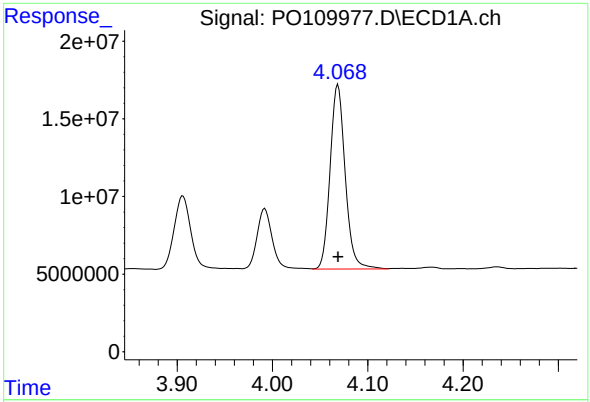
#9 AR-1221-2

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 43249856
Conc: 500.00 ng/ml



#9 AR-1221-2

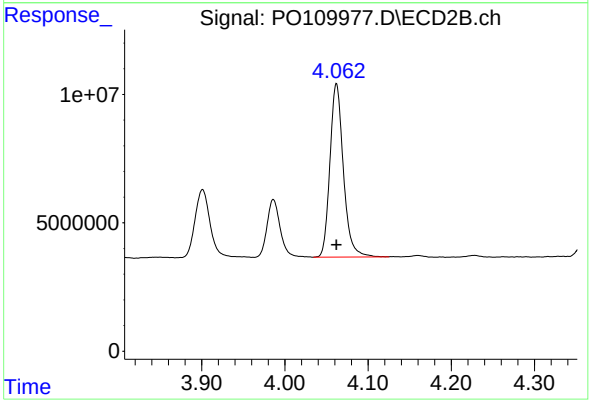
R.T.: 3.986 min
Delta R.T.: 0.000 min
Response: 24690825
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.069 min
Delta R.T.: 0.000 min
Response: 130847955
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.062 min
Delta R.T.: 0.000 min
Response: 75841971
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:53
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: Mar 18 16:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:24:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds							
1)	SA	Tetrachlo...	3.692	3.689	438.9E6	262.6E6	50.000	50.000
2)	SA	Decachlor...	8.744	8.696	372.1E6	116.2E6	50.000	50.000
	Target Compounds							
11)	L3	AR-1232-1	4.068	4.062	107.9E6	62046675	500.000	500.000
12)	L3	AR-1232-2	4.563	4.791	57393041	60174277	500.000	500.000
13)	L3	AR-1232-3	4.805	4.966	105.9E6	31828000	500.000	500.000
14)	L3	AR-1232-4	4.981	5.051	56780516	29670451	500.000	500.000
15)	L3	AR-1232-5	5.024	5.221	40226994	31608944	500.000	500.000

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

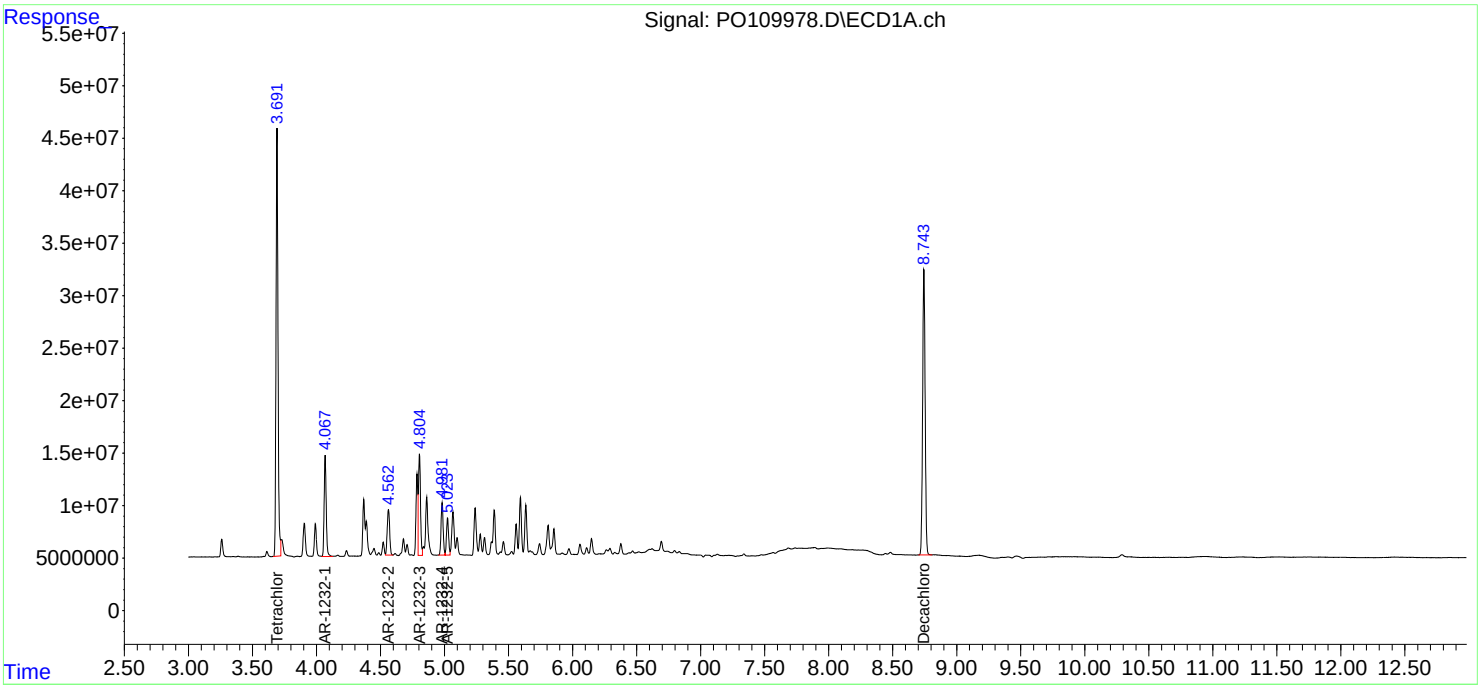
ICAL Form

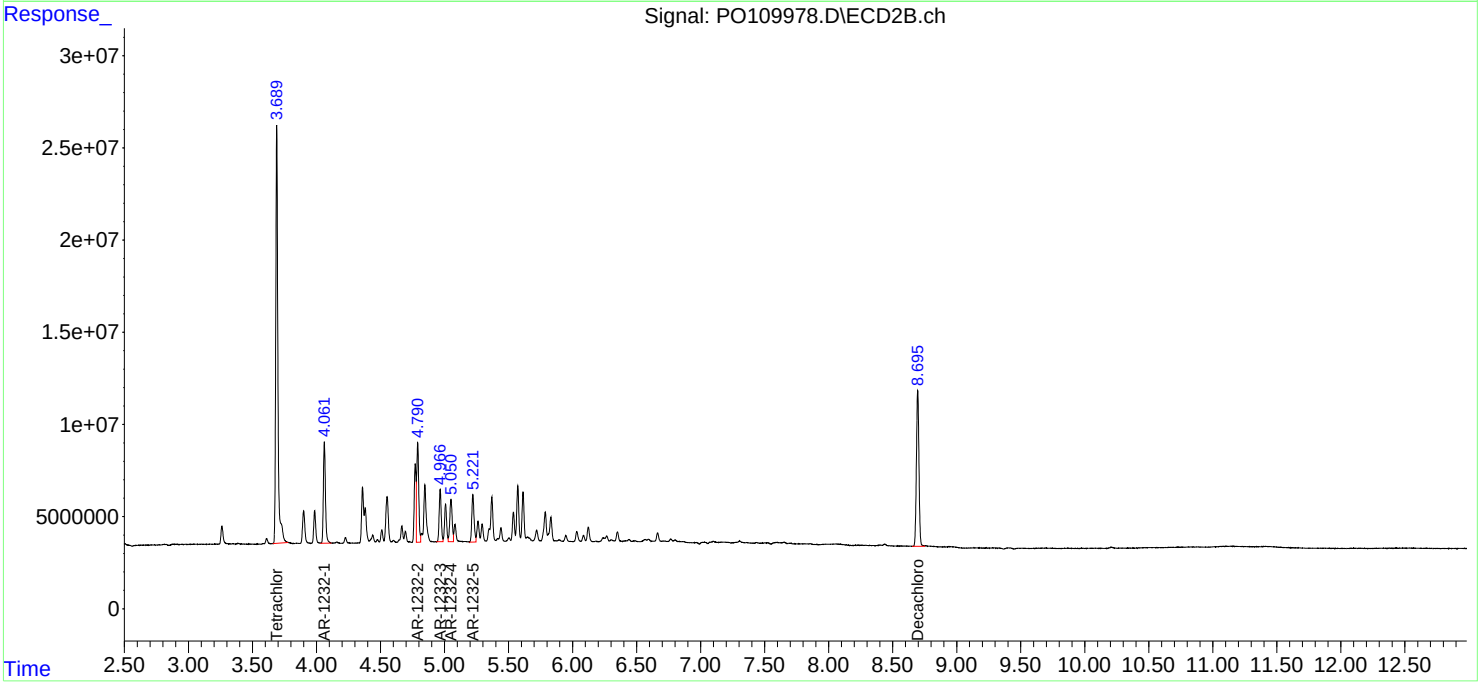
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:53
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

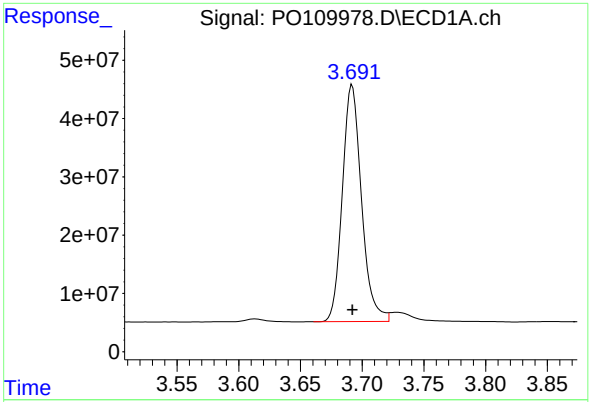
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:24:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



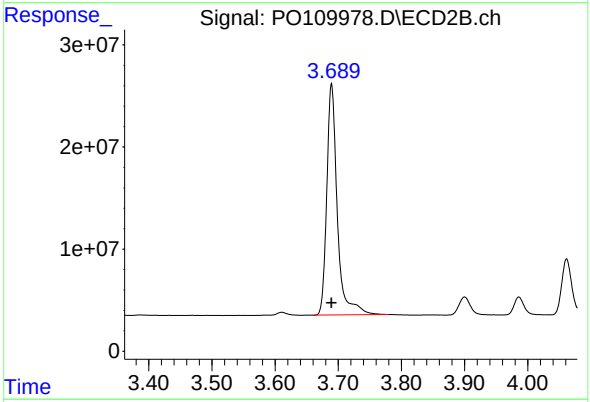




#1 Tetrachloro-m-xylene

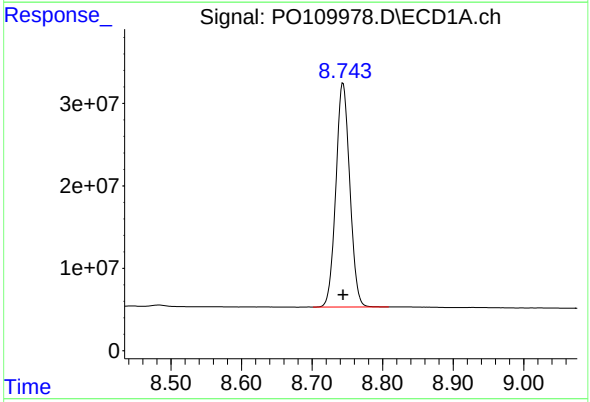
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 438922587
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



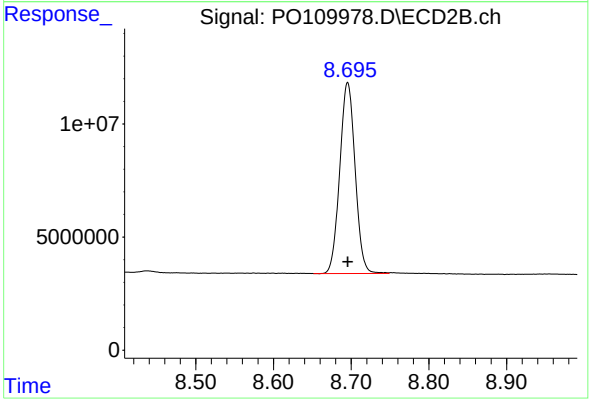
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 262556927
Conc: 50.00 ng/ml



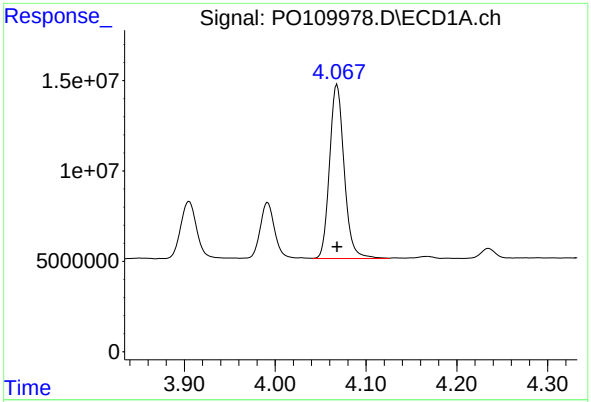
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 372070287
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

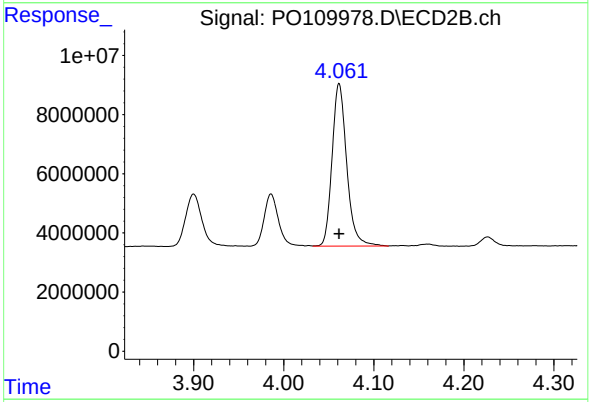
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 116151811
Conc: 50.00 ng/ml



#11 AR-1232-1

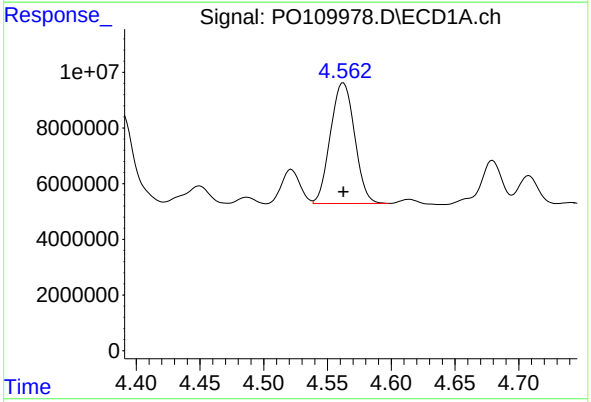
R.T.: 4.068 min
Delta R.T.: 0.000 min
Response: 107872261
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



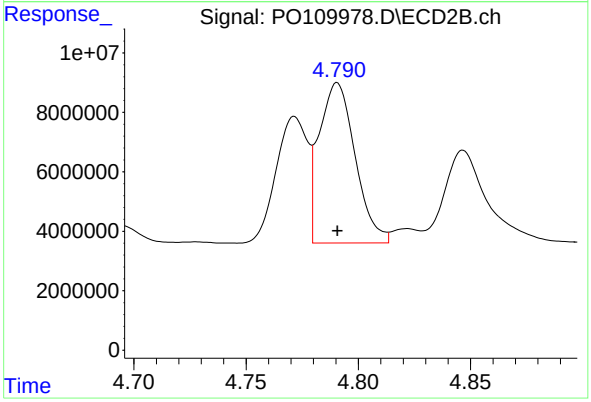
#11 AR-1232-1

R.T.: 4.062 min
Delta R.T.: 0.000 min
Response: 62046675
Conc: 500.00 ng/ml



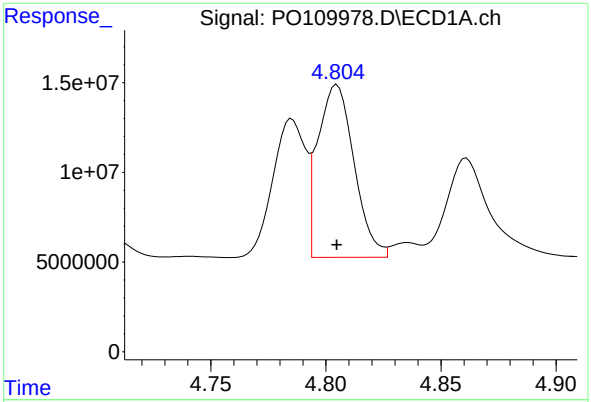
#12 AR-1232-2

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 57393041
Conc: 500.00 ng/ml



#12 AR-1232-2

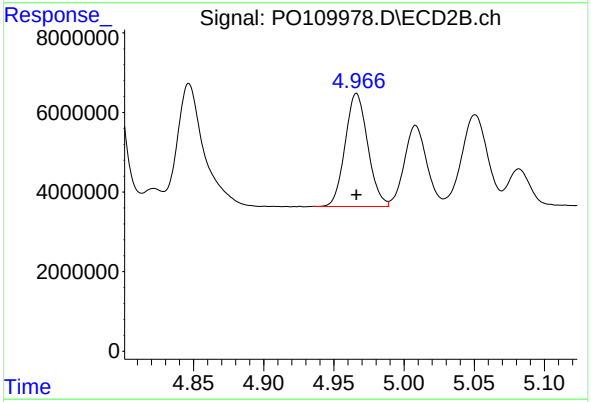
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 60174277
Conc: 500.00 ng/ml



#13 AR-1232-3

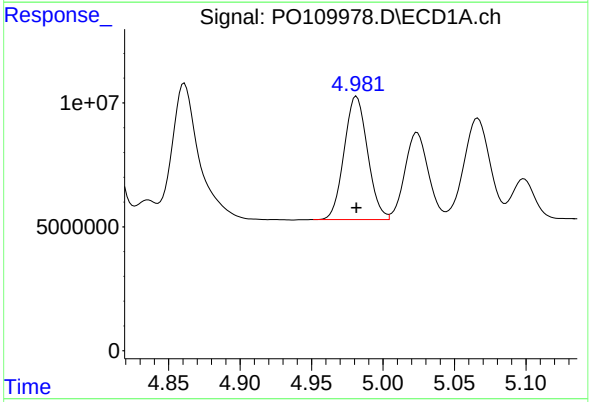
R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 105889863
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



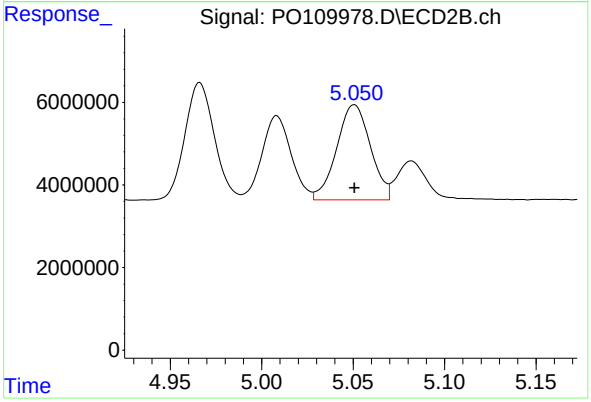
#13 AR-1232-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 31828000
Conc: 500.00 ng/ml



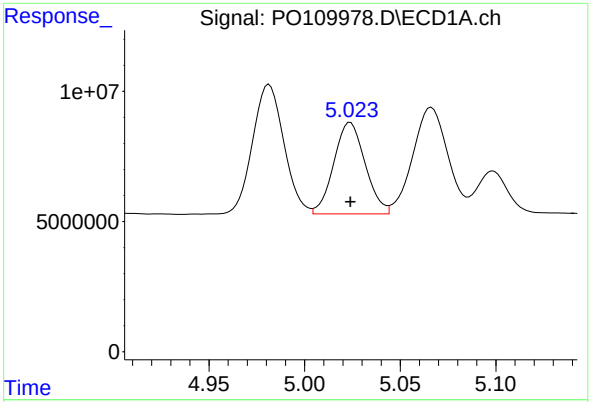
#14 AR-1232-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 56780516
Conc: 500.00 ng/ml



#14 AR-1232-4

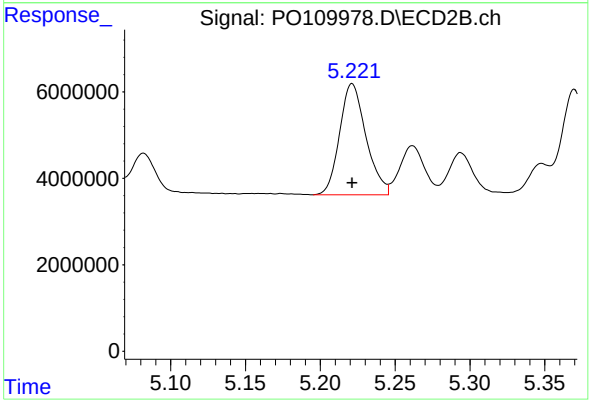
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 29670451
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.024 min
Delta R.T.: 0.000 min
Response: 40226994
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 31608944
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:11
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: Mar 18 17:01:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	870.3E6	504.9E6	98.572	98.878
2)	SA Decachlor...	8.744	8.697	707.3E6	217.8E6	97.860	97.910
	Target Compounds						
16)	L4 AR-1242-1	4.785	4.772	257.0E6	141.3E6	967.387	967.723
17)	L4 AR-1242-2	4.804	4.791	361.7E6	206.0E6	974.253	976.732
18)	L4 AR-1242-3	4.861	4.966	239.3E6	108.8E6	957.525	967.388
19)	L4 AR-1242-4	4.981	5.051	191.3E6	107.6E6	962.368	956.424
20)	L4 AR-1242-5	5.635	5.572	200.3E6	132.5E6	953.851	956.059

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

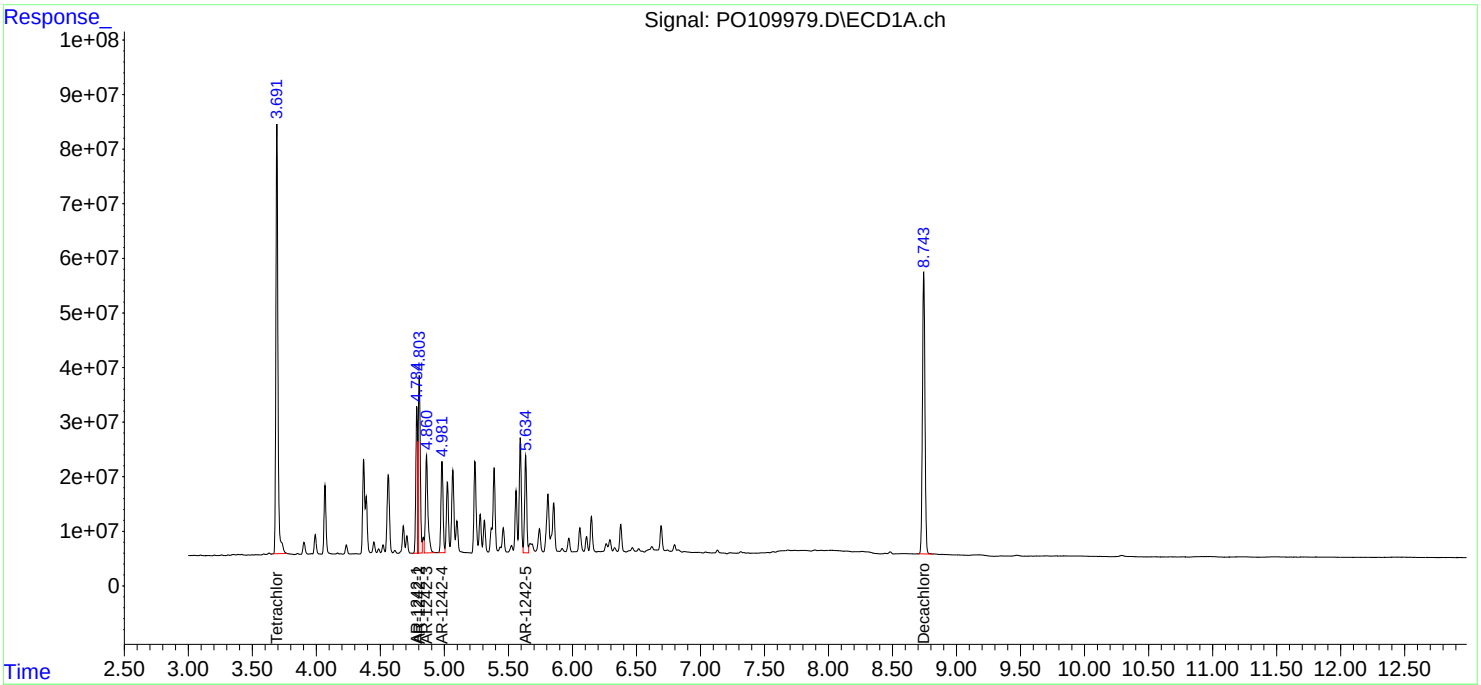
ICAL Form

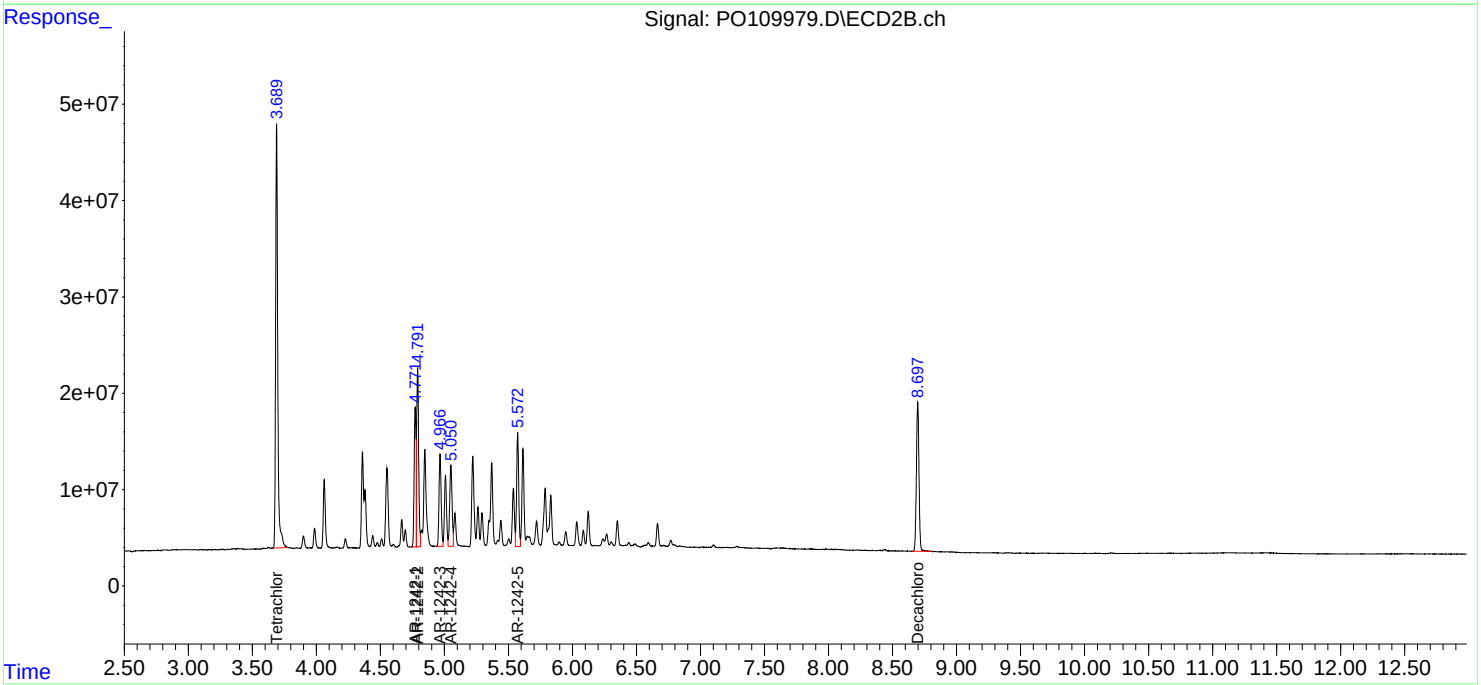
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:11
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

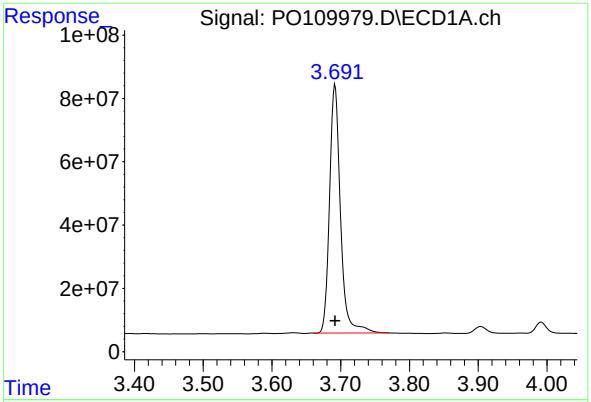
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:01:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



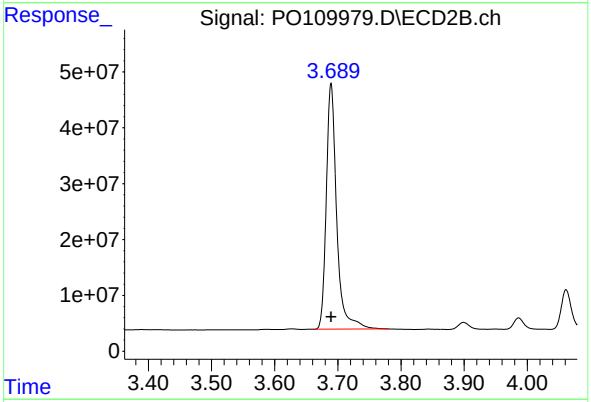




#1 Tetrachloro-m-xylene

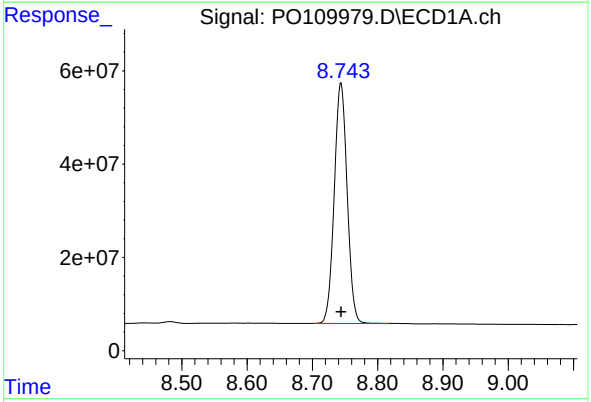
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 870277303
Conc: 98.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



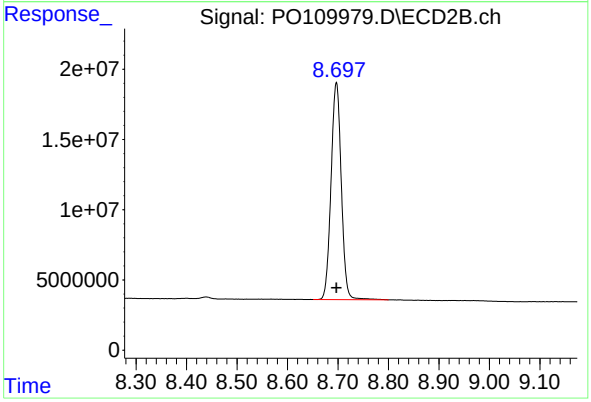
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 504930415
Conc: 98.88 ng/ml



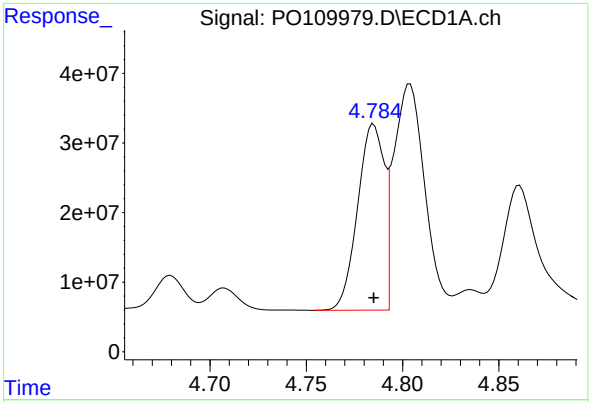
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 707302147
Conc: 97.86 ng/ml



#2 Decachlorobiphenyl

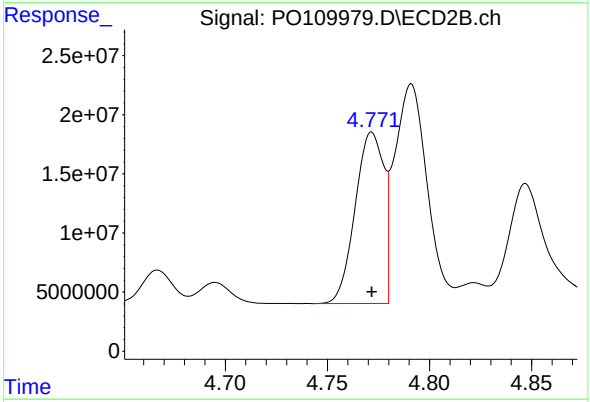
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 217777313
Conc: 97.91 ng/ml



#16 AR-1242-1

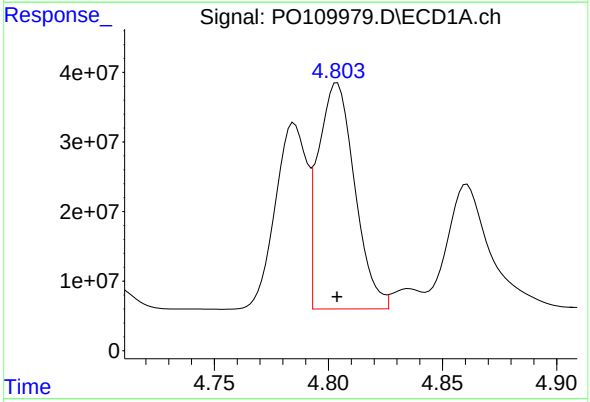
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 257021206
Conc: 967.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



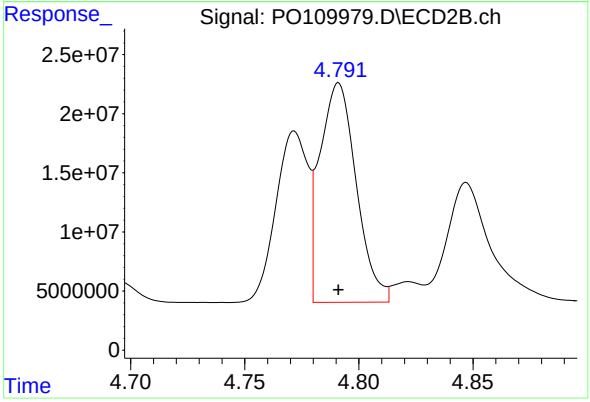
#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 141331278
Conc: 967.72 ng/ml



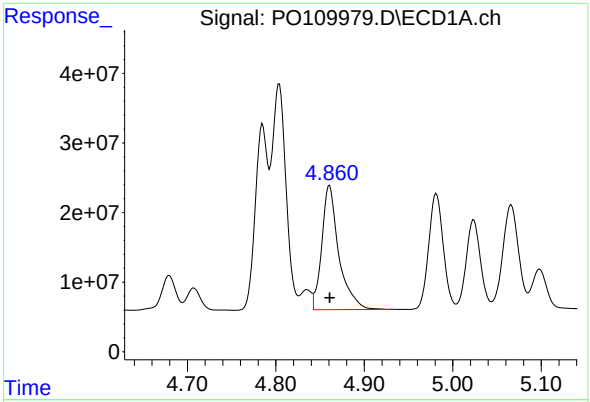
#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 361656206
Conc: 974.25 ng/ml



#17 AR-1242-2

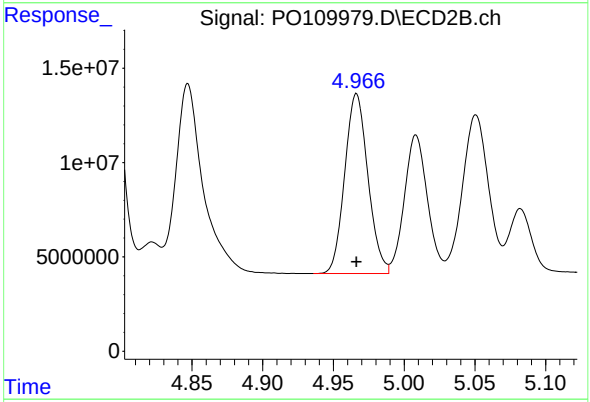
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 205951481
Conc: 976.73 ng/ml



#18 AR-1242-3

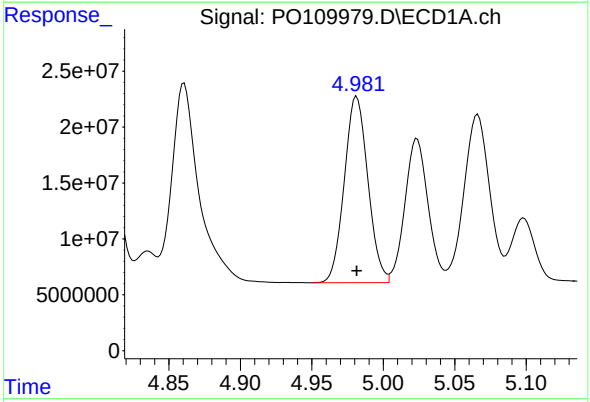
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 239272274
Conc: 957.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



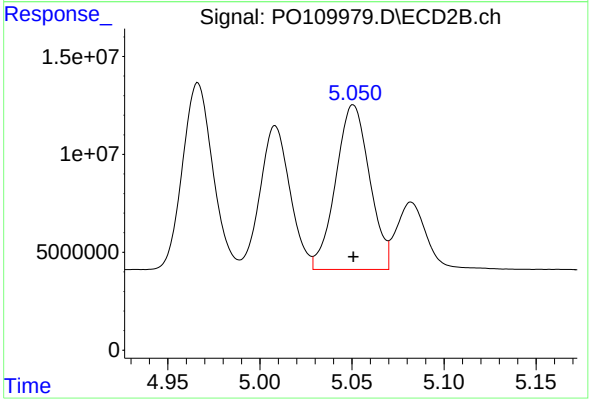
#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 108828803
Conc: 967.39 ng/ml



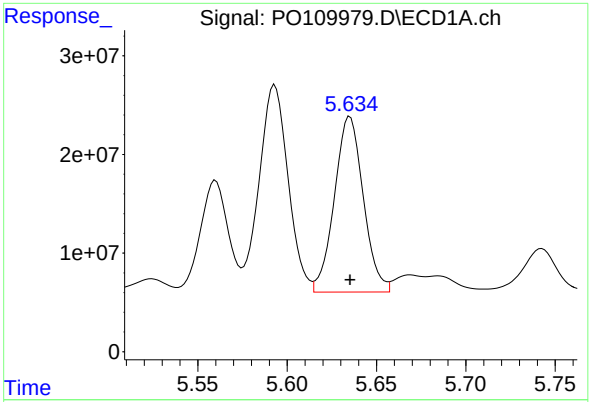
#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 191269111
Conc: 962.37 ng/ml



#19 AR-1242-4

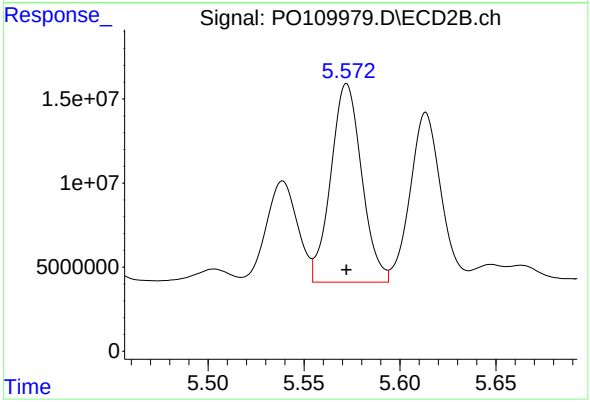
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 107629937
Conc: 956.42 ng/ml



#20 AR-1242-5

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 200342595
Conc: 953.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 132486572
Conc: 956.06 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:30
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: Mar 18 17:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.689	674.7E6	388.3E6	75.937	75.688
2)	SA Decachlor...	8.744	8.696	546.6E6	166.9E6	75.416	75.037
	Target Compounds						
16)	L4 AR-1242-1	4.785	4.771	203.4E6	110.1E6	760.384	752.515
17)	L4 AR-1242-2	4.804	4.790	282.0E6	160.8E6	756.501	758.433
18)	L4 AR-1242-3	4.860	4.966	192.4E6	85755968	763.306	758.150
19)	L4 AR-1242-4	4.981	5.050	152.0E6	85465010	759.882	756.281
20)	L4 AR-1242-5	5.634	5.572	159.2E6	104.3E6	755.214	751.684

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

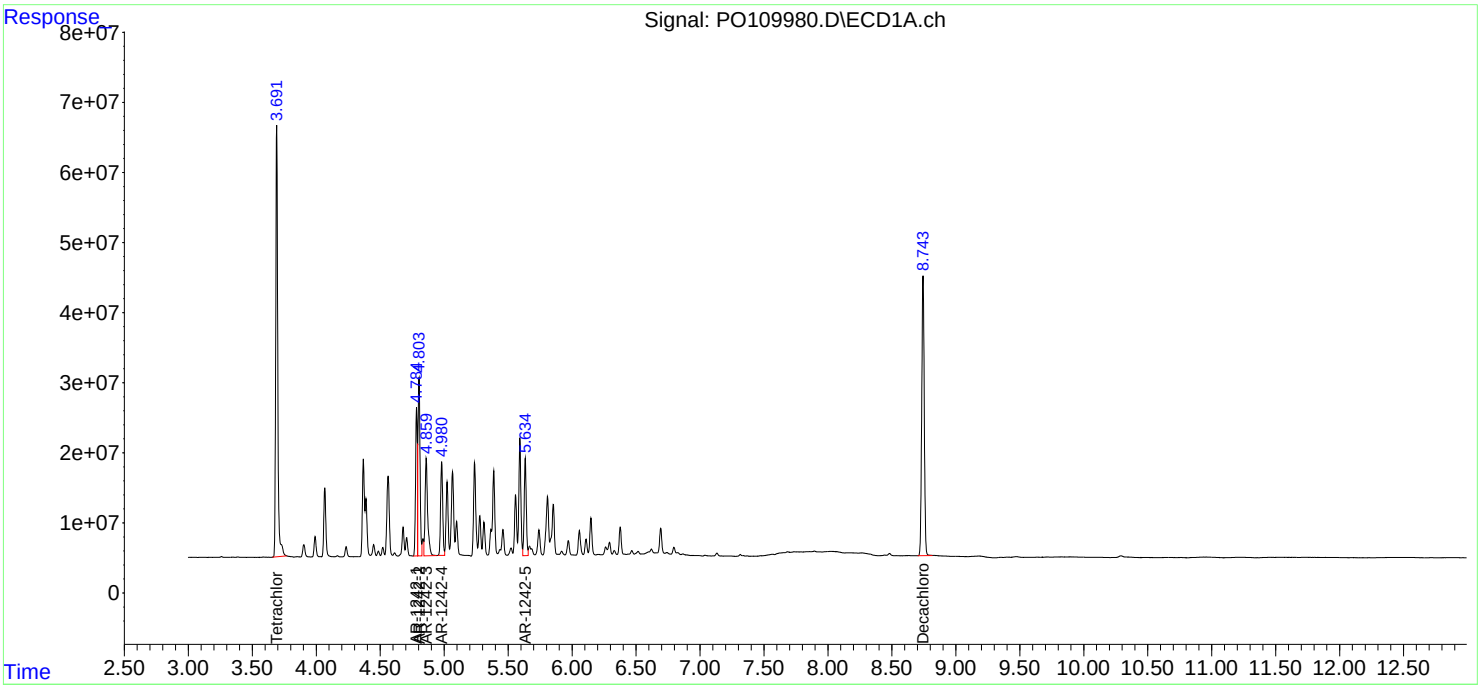
ICAL Form

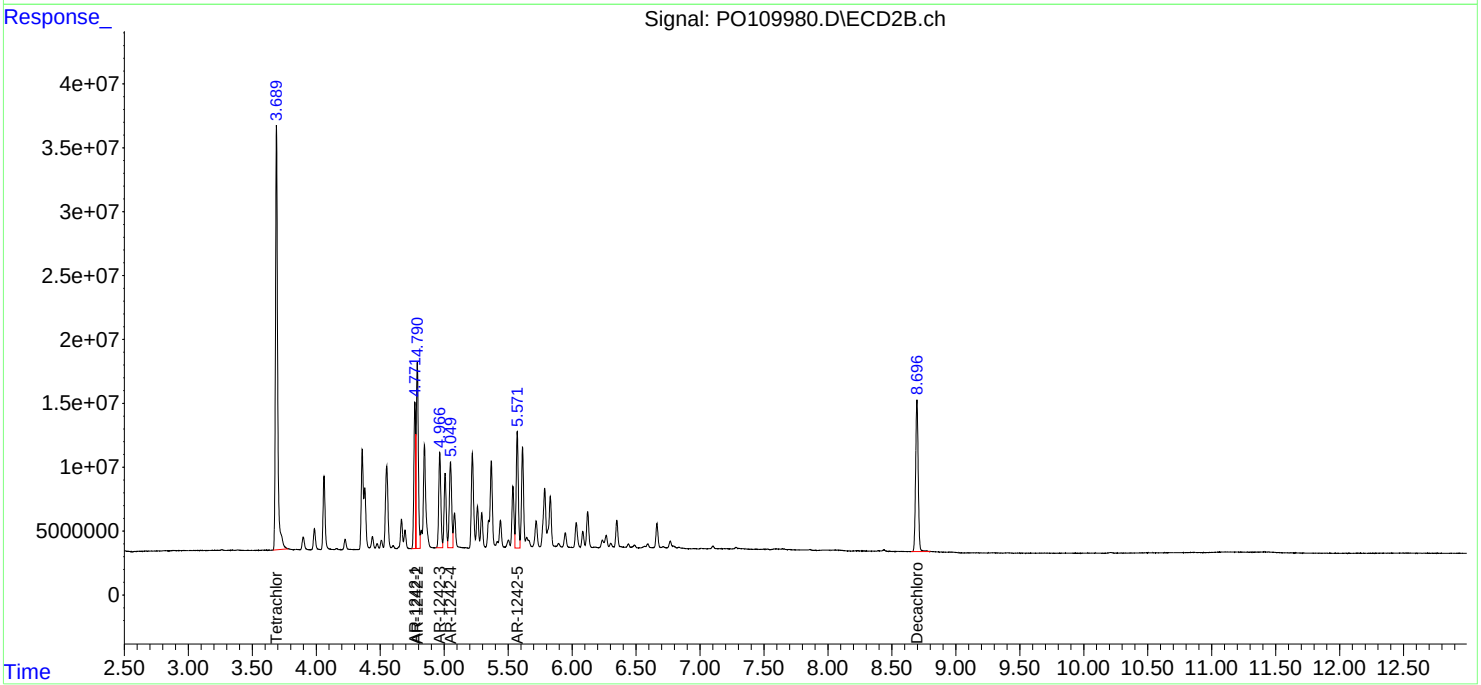
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:30
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

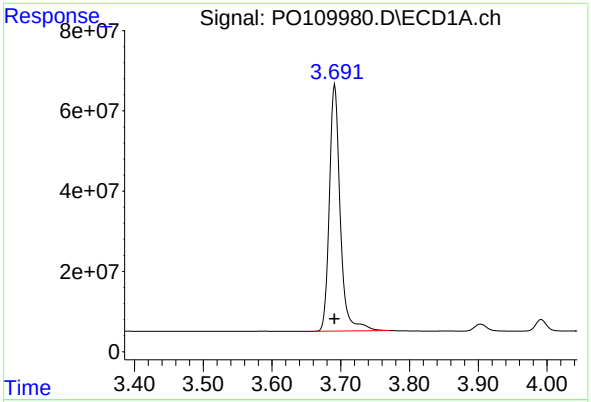
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



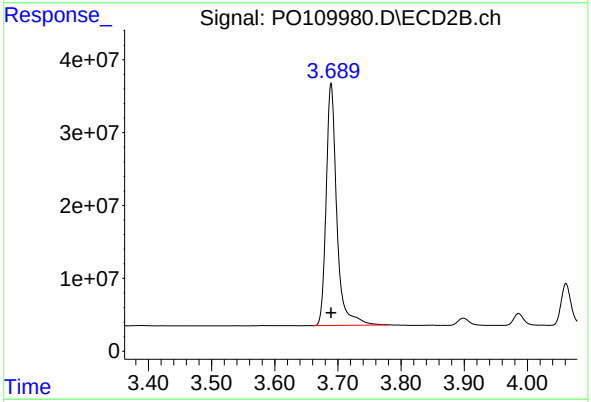




#1 Tetrachloro-m-xylene

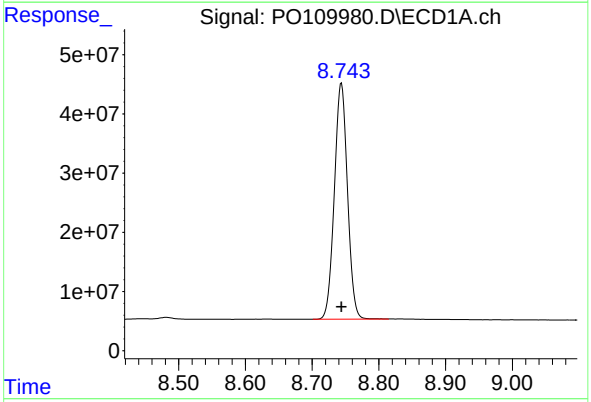
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 674653935
Conc: 75.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



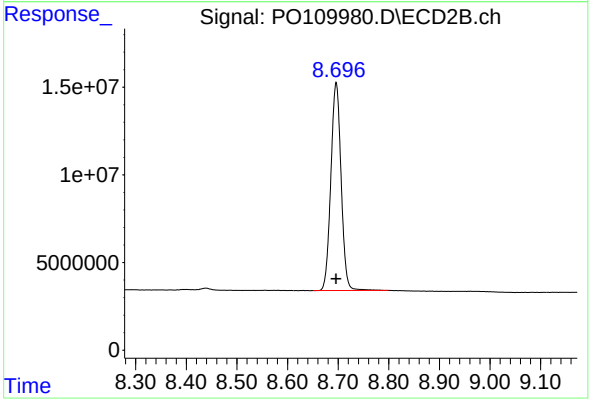
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 388290346
Conc: 75.69 ng/ml



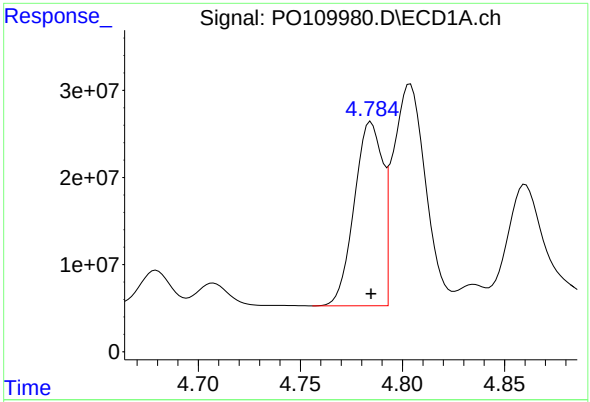
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 546604132
Conc: 75.42 ng/ml



#2 Decachlorobiphenyl

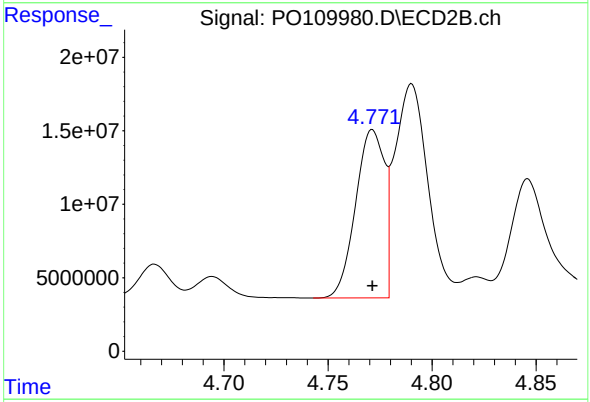
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 166944896
Conc: 75.04 ng/ml



#16 AR-1242-1

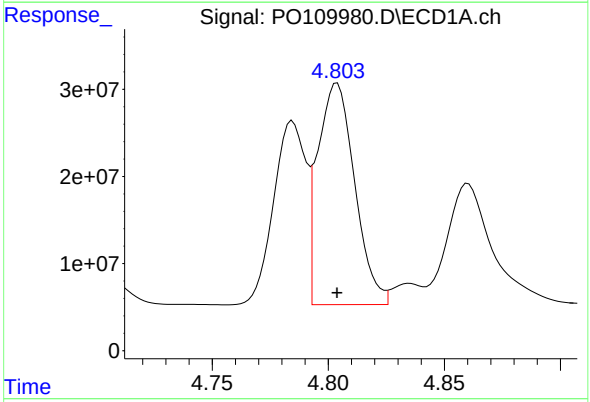
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 203431528
Conc: 760.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



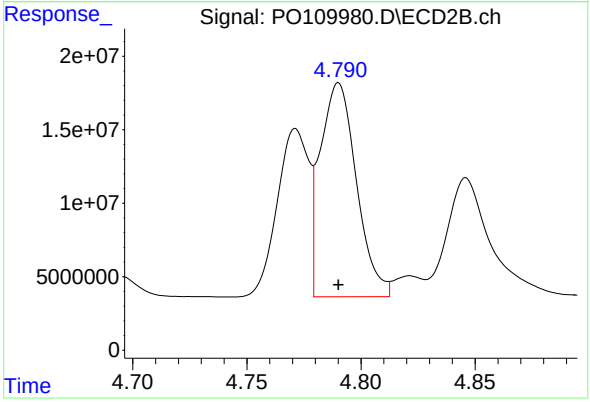
#16 AR-1242-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 110085812
Conc: 752.52 ng/ml



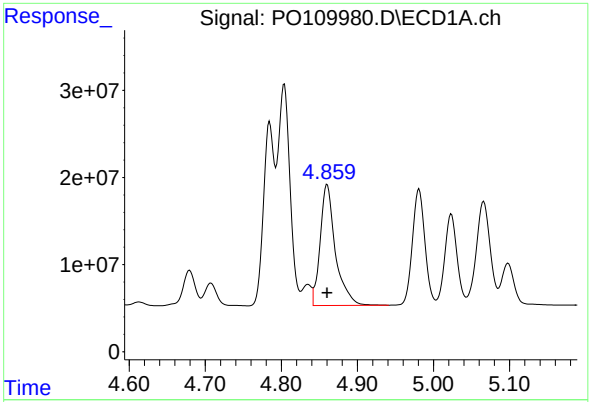
#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 282046233
Conc: 756.50 ng/ml



#17 AR-1242-2

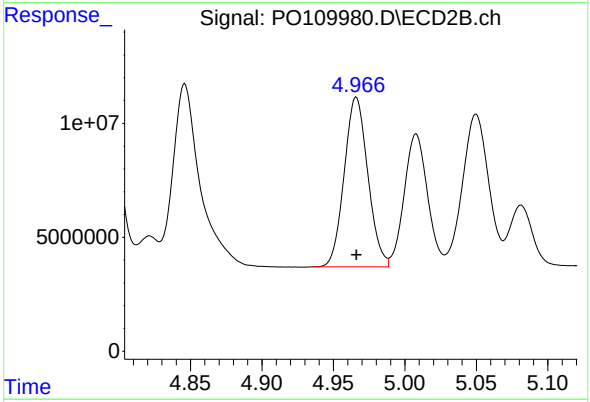
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 160825699
Conc: 758.43 ng/ml



#18 AR-1242-3

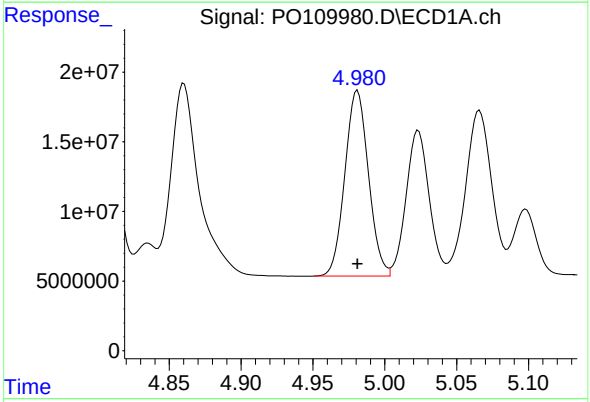
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 192446698
Conc: 763.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



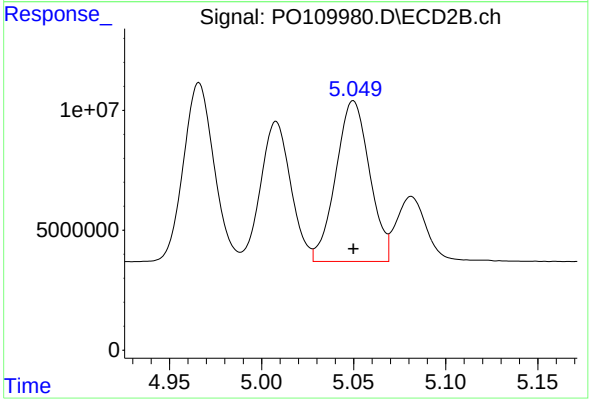
#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 85755968
Conc: 758.15 ng/ml



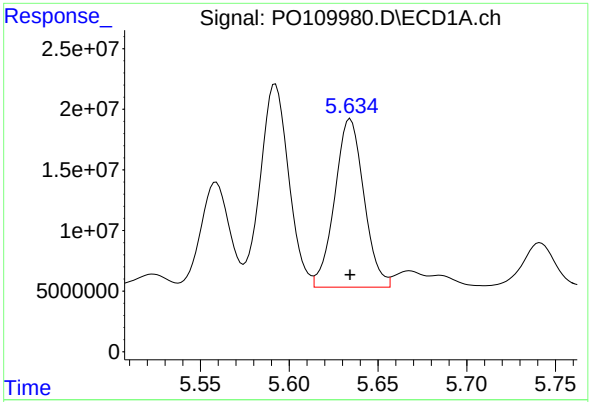
#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 152026829
Conc: 759.88 ng/ml



#19 AR-1242-4

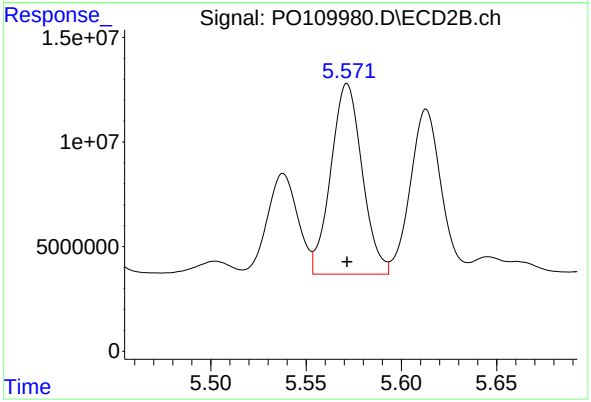
R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 85465010
Conc: 756.28 ng/ml



#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 159175050
Conc: 755.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 104282352
Conc: 751.68 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:48
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: Mar 18 16:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	447.7E6	258.2E6	50.000	50.000
2)	SA Decachlor...	8.744	8.695	369.1E6	113.5E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.785	4.772	137.2E6	75379512	500.000	500.000
17)	L4 AR-1242-2	4.805	4.791	190.4E6	107.9E6	500.000	500.000
18)	L4 AR-1242-3	4.861	4.967	130.3E6	58083170	500.000	500.000
19)	L4 AR-1242-4	4.982	5.051	103.1E6	58718718	500.000	500.000
20)	L4 AR-1242-5	5.635	5.573	109.9E6	72332482	500.000	500.000

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

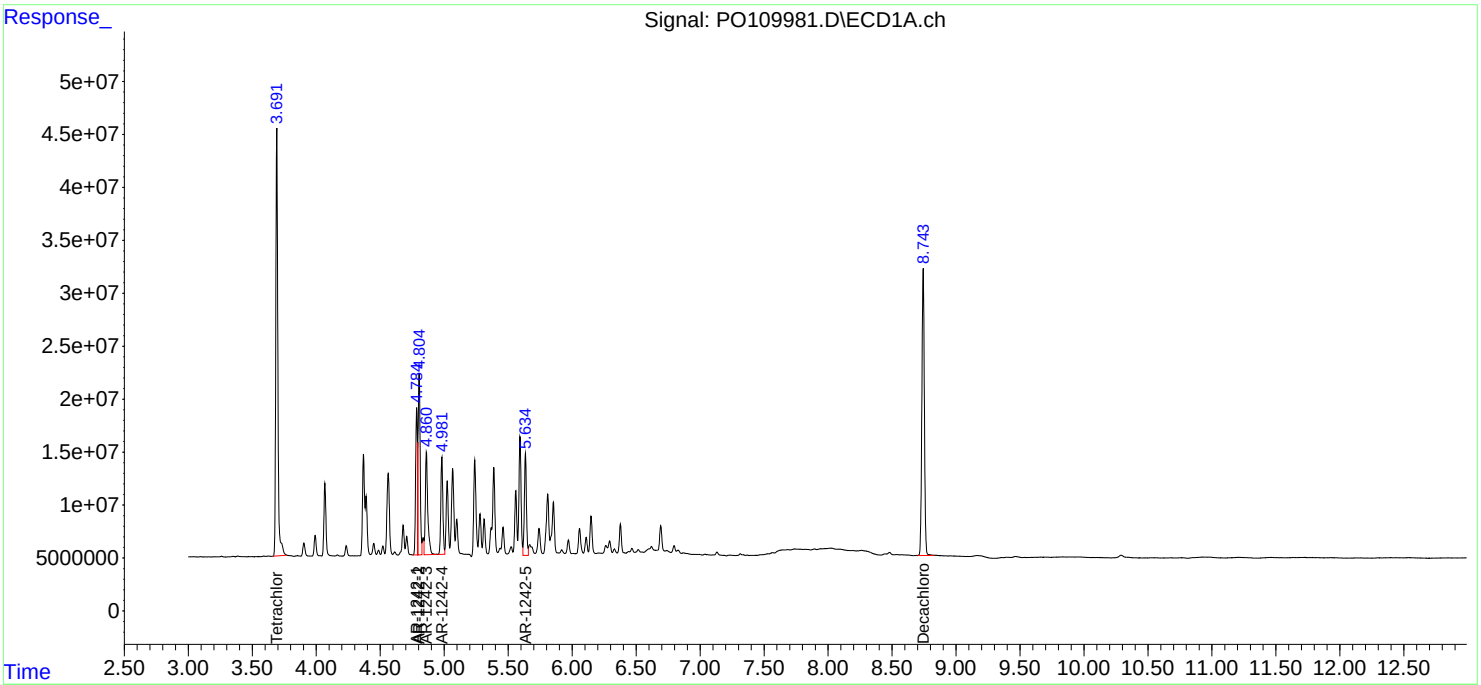
ICAL Form

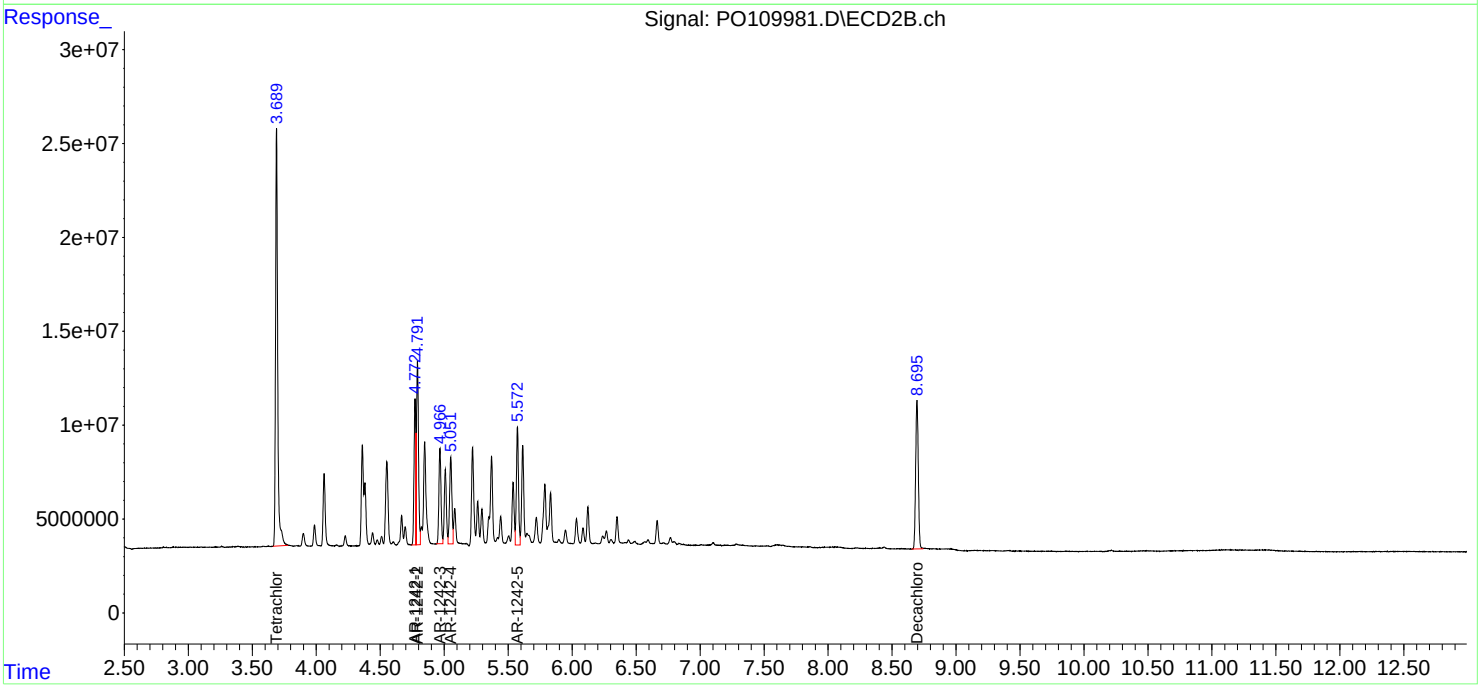
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:48
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

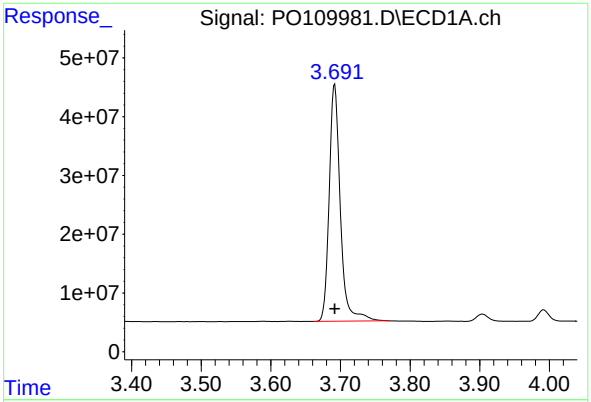
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



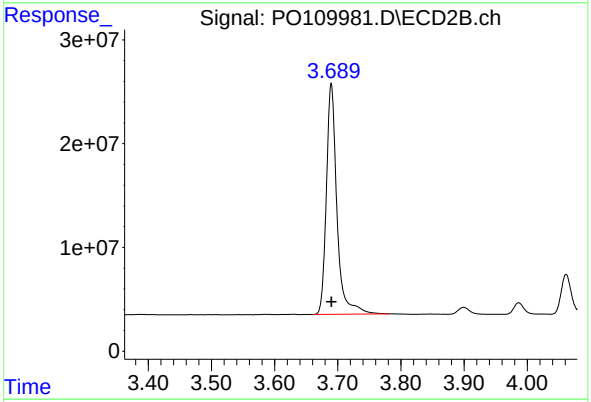




#1 Tetrachloro-m-xylene

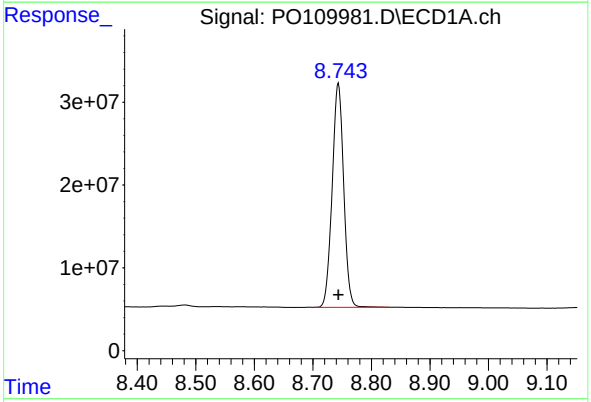
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 447743138
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



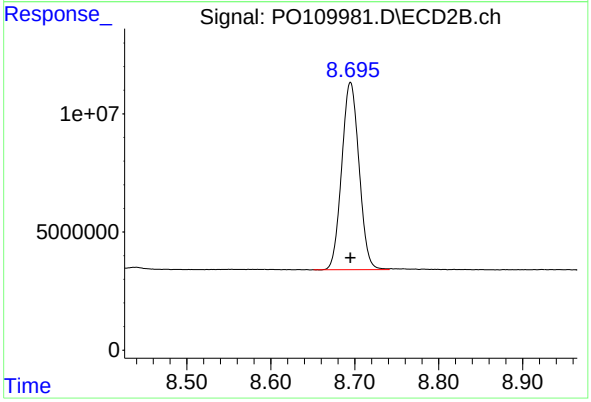
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 258194376
Conc: 50.00 ng/ml



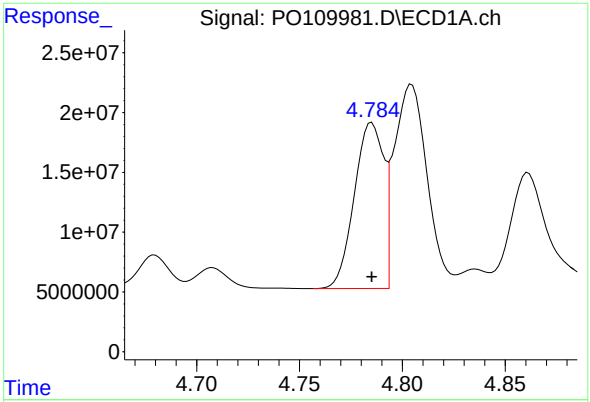
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 369119192
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

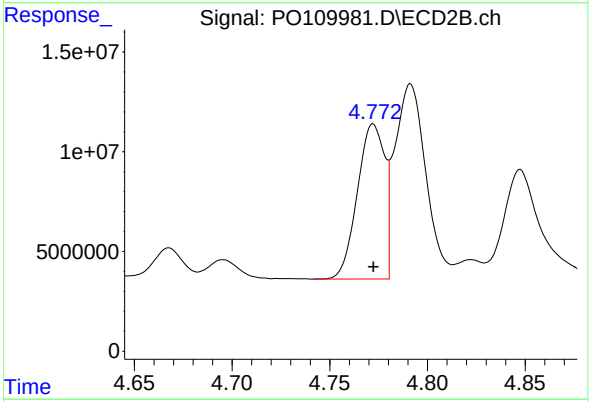
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 113538071
Conc: 50.00 ng/ml



#16 AR-1242-1

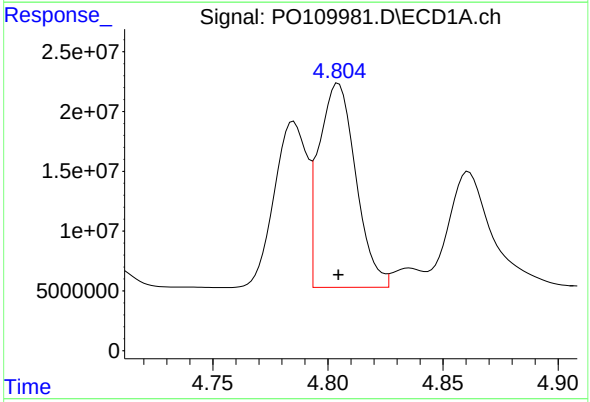
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 137175388
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



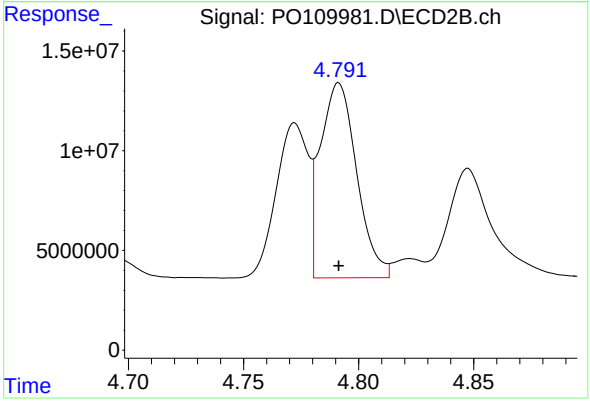
#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 75379512
Conc: 500.00 ng/ml



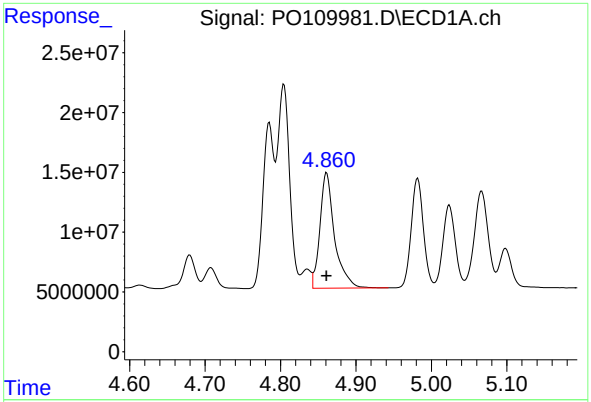
#17 AR-1242-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 190385713
Conc: 500.00 ng/ml



#17 AR-1242-2

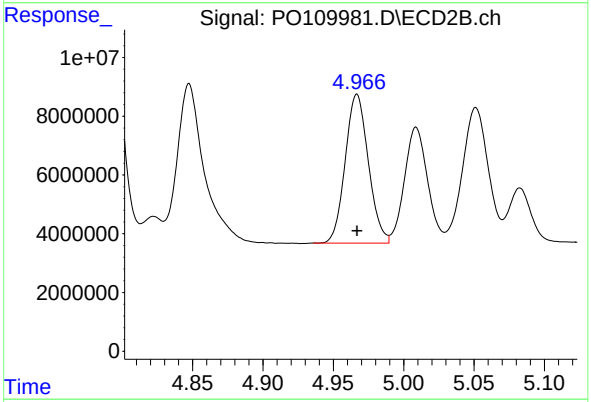
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 107881886
Conc: 500.00 ng/ml



#18 AR-1242-3

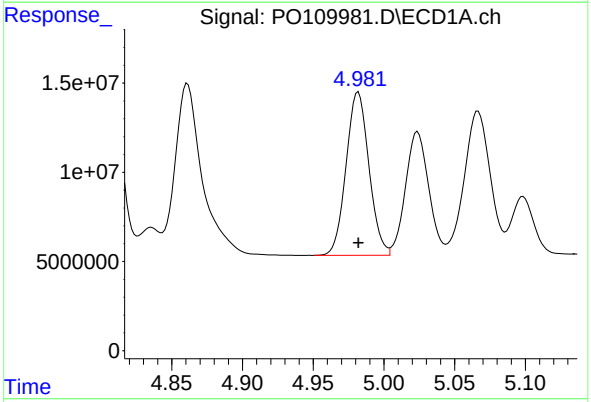
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 130250168
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



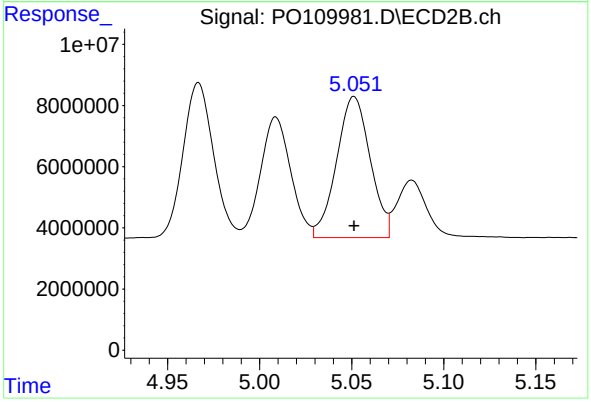
#18 AR-1242-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 58083170
Conc: 500.00 ng/ml



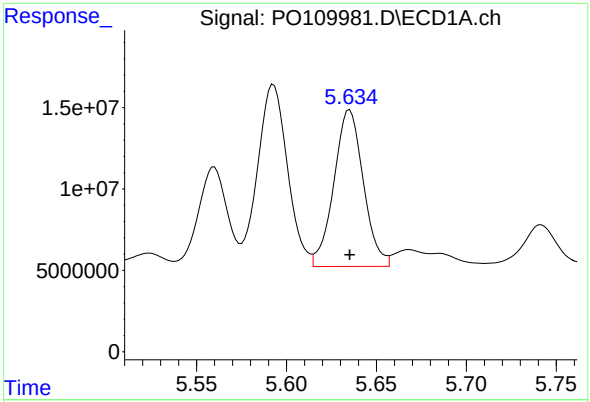
#19 AR-1242-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 103113773
Conc: 500.00 ng/ml



#19 AR-1242-4

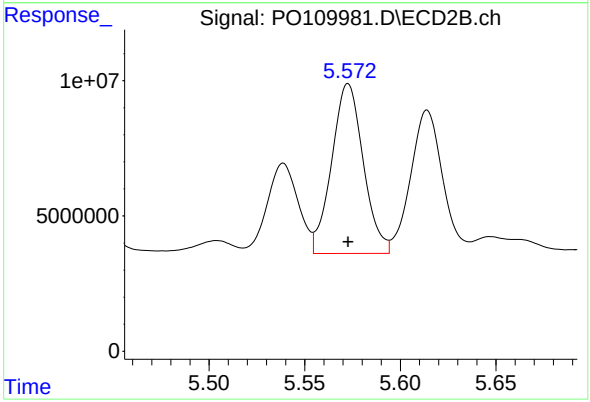
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 58718718
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 109864205
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 72332482
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:06
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: Mar 18 17:16:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:16:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	226.3E6	130.2E6	25.356	25.281
2)	SA Decachlor...	8.744	8.695	194.6E6	60893229	26.361	26.736
	Target Compounds						
16)	L4 AR-1242-1	4.785	4.772	71937746	39990799	263.903	267.124
17)	L4 AR-1242-2	4.804	4.791	99324236	56210353	262.106	261.143
18)	L4 AR-1242-3	4.860	4.967	69326183	30721999	268.271	265.862
19)	L4 AR-1242-4	4.981	5.051	53927655	31584987	264.381	271.488
20)	L4 AR-1242-5	5.634	5.572	57576429	38102015	266.987	268.040

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

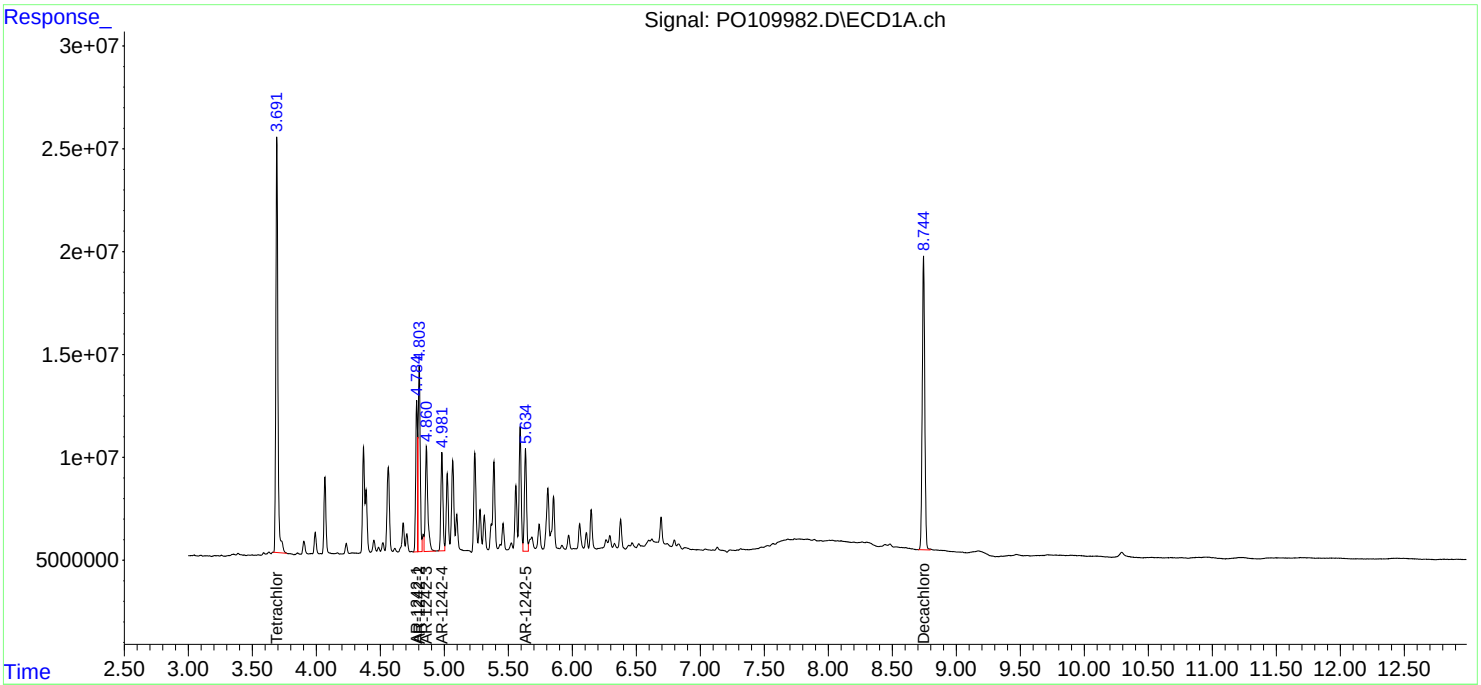
ICAL Form

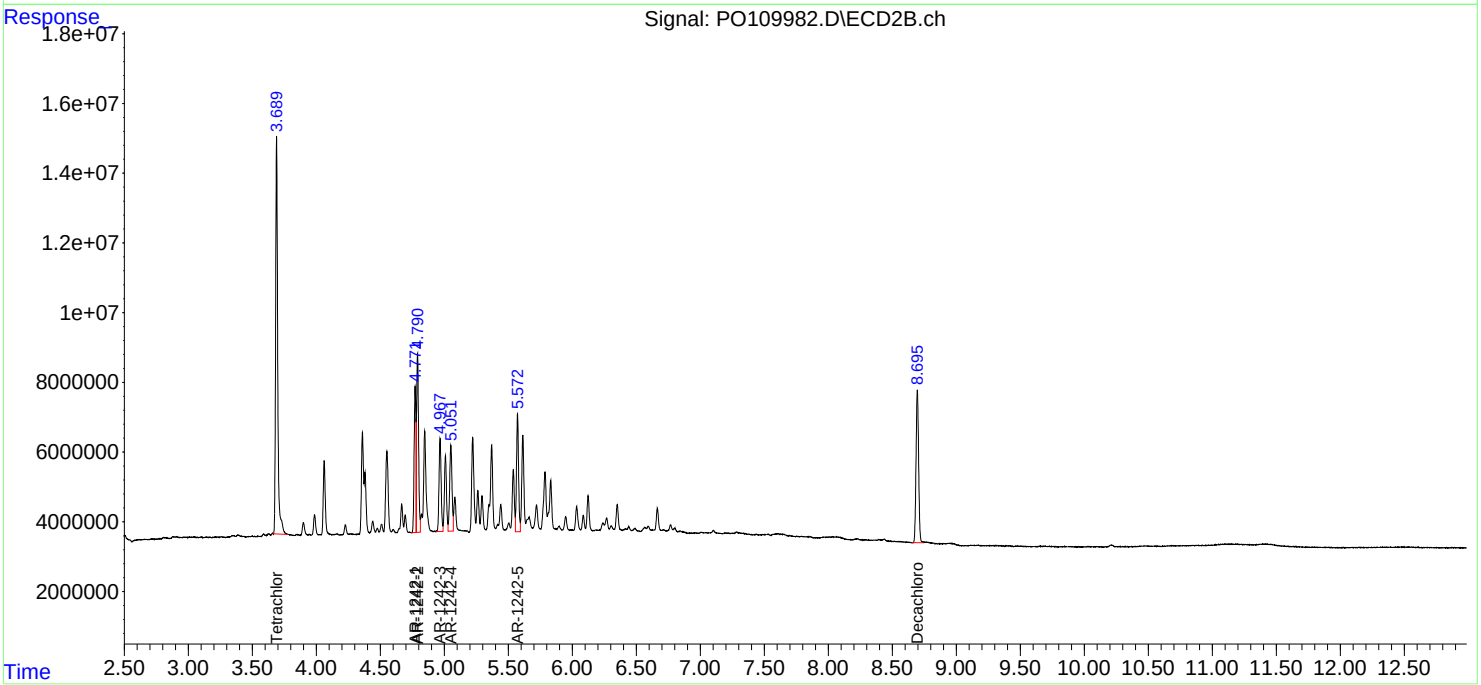
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:06
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

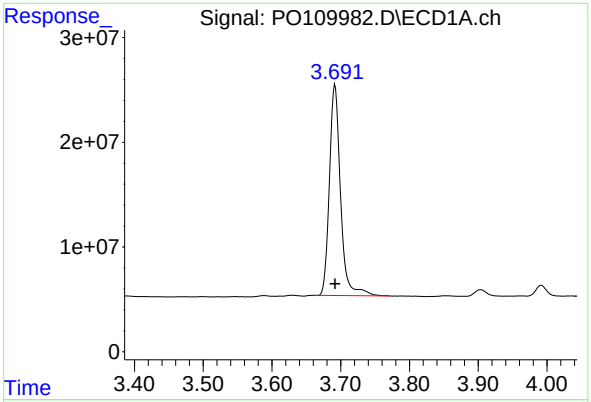
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:16:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:16:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



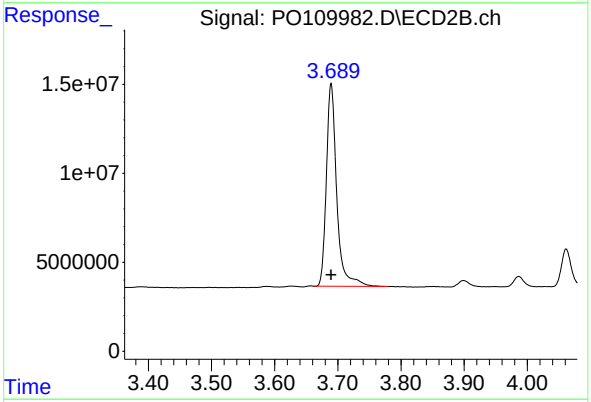




#1 Tetrachloro-m-xylene

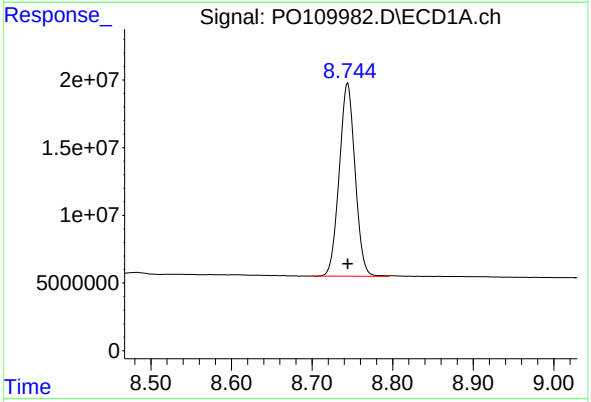
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 226344128
Conc: 25.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



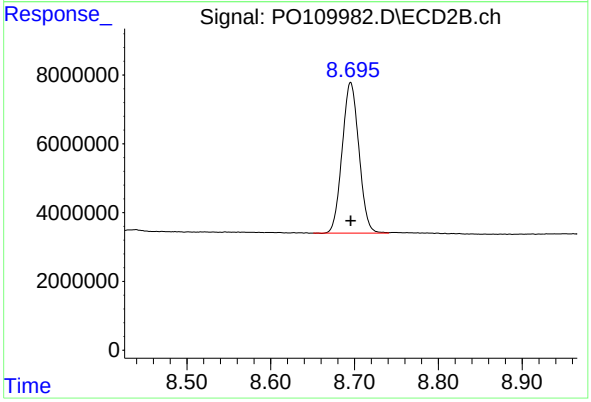
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 130179852
Conc: 25.28 ng/ml



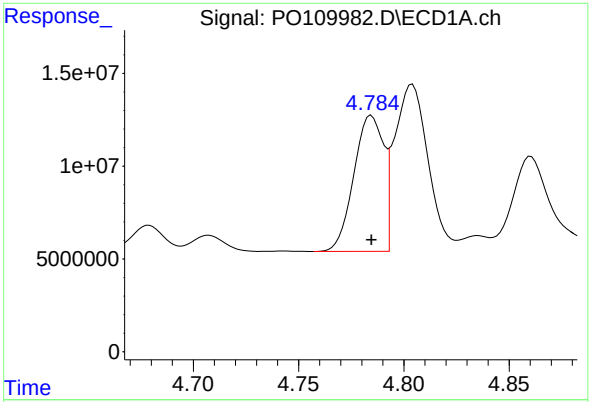
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 194588935
Conc: 26.36 ng/ml



#2 Decachlorobiphenyl

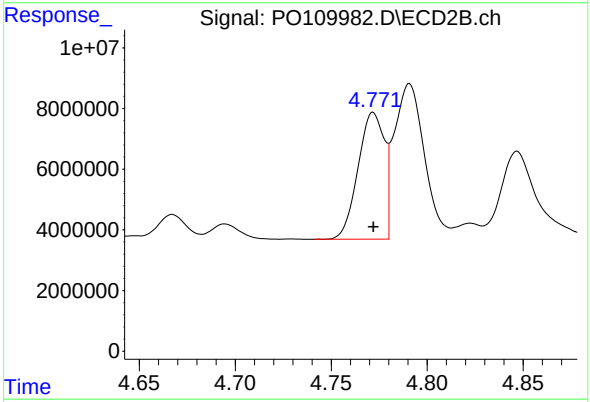
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 60893229
Conc: 26.74 ng/ml



#16 AR-1242-1

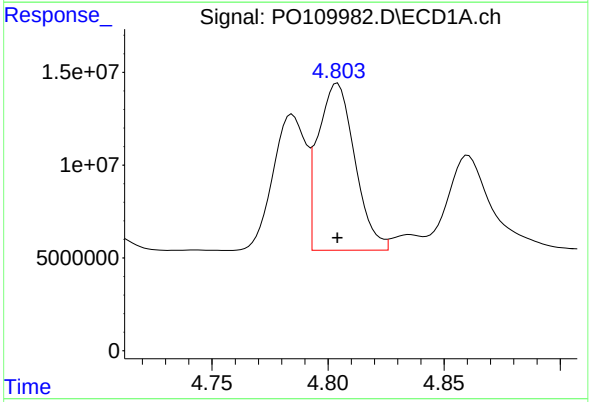
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 71937746
Conc: 263.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



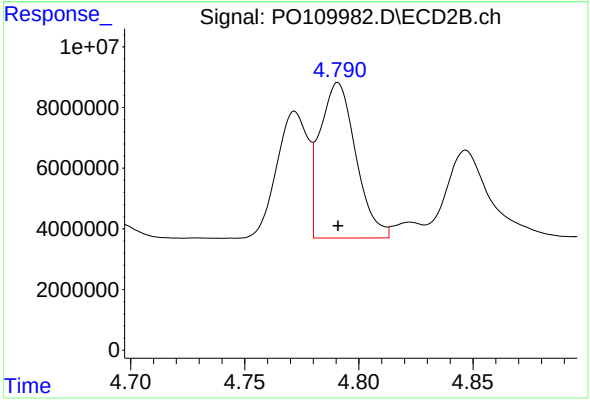
#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 39990799
Conc: 267.12 ng/ml



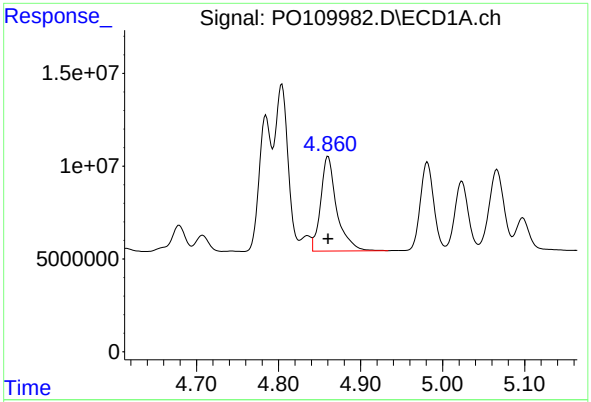
#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 99324236
Conc: 262.11 ng/ml



#17 AR-1242-2

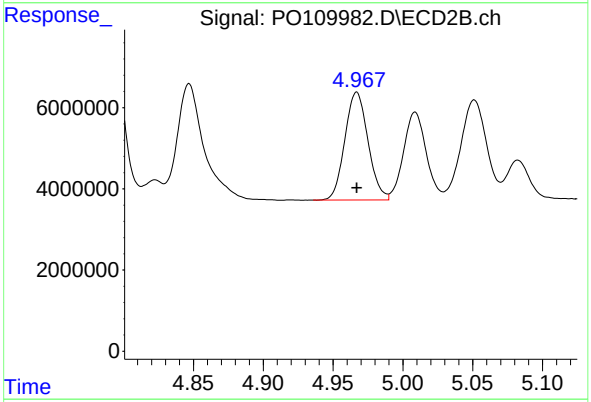
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 56210353
Conc: 261.14 ng/ml



#18 AR-1242-3

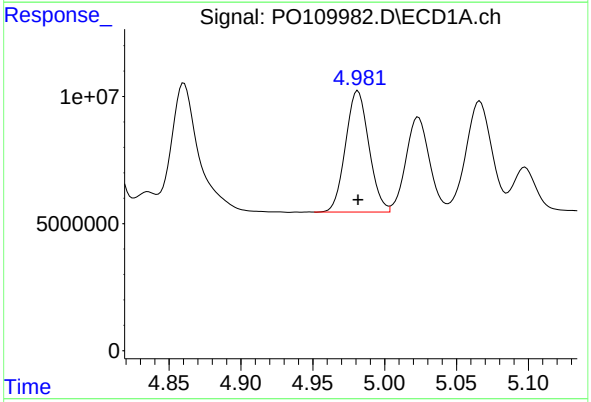
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 69326183
Conc: 268.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



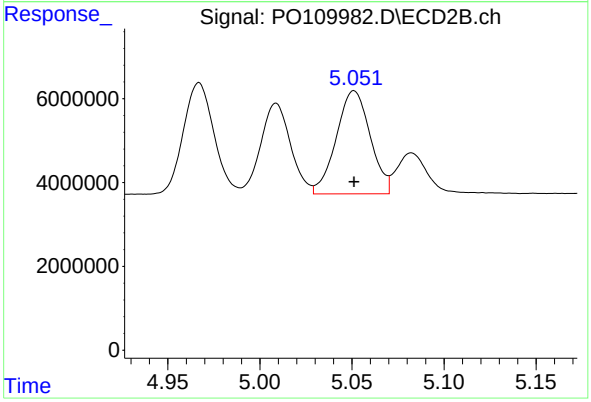
#18 AR-1242-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 30721999
Conc: 265.86 ng/ml



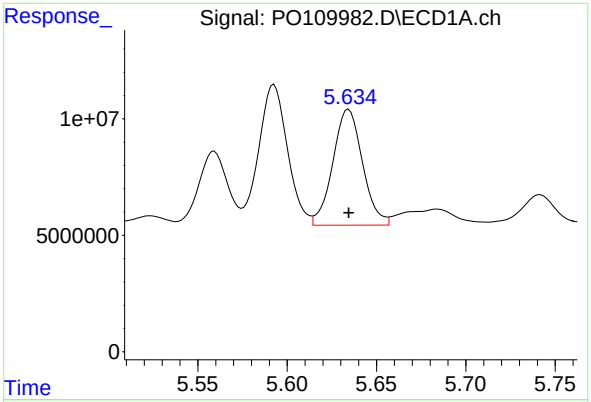
#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 53927655
Conc: 264.38 ng/ml



#19 AR-1242-4

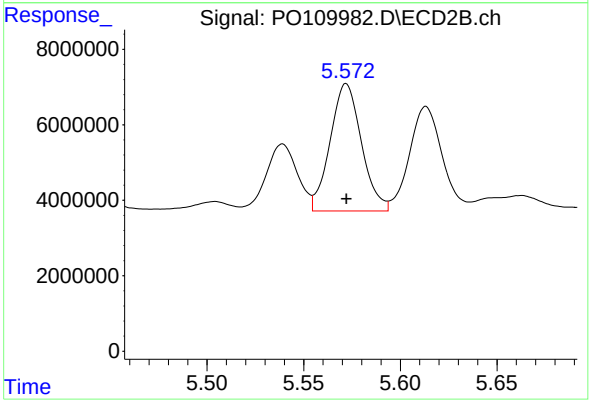
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 31584987
Conc: 271.49 ng/ml



#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 57576429
Conc: 266.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 38102015
Conc: 268.04 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:25
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:34:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.688	33275417	17649519	3.978m	3.680m
2)	SA Decachlor...	8.744	8.696	32408304	10337597	4.500	4.624
	Target Compounds						
16)	L4 AR-1242-1	4.784	4.772	12333502	6612130	46.123	45.222
17)	L4 AR-1242-2	4.804	4.791	16261465	8959332	44.164	43.066
18)	L4 AR-1242-3	4.859	4.966	12804073	4792003	49.638	42.926m
19)	L4 AR-1242-4	4.980	5.051	9228050	5726073	46.259m	49.373
20)	L4 AR-1242-5	5.633	5.572	9633519	5880388	45.772m	42.708m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:25
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

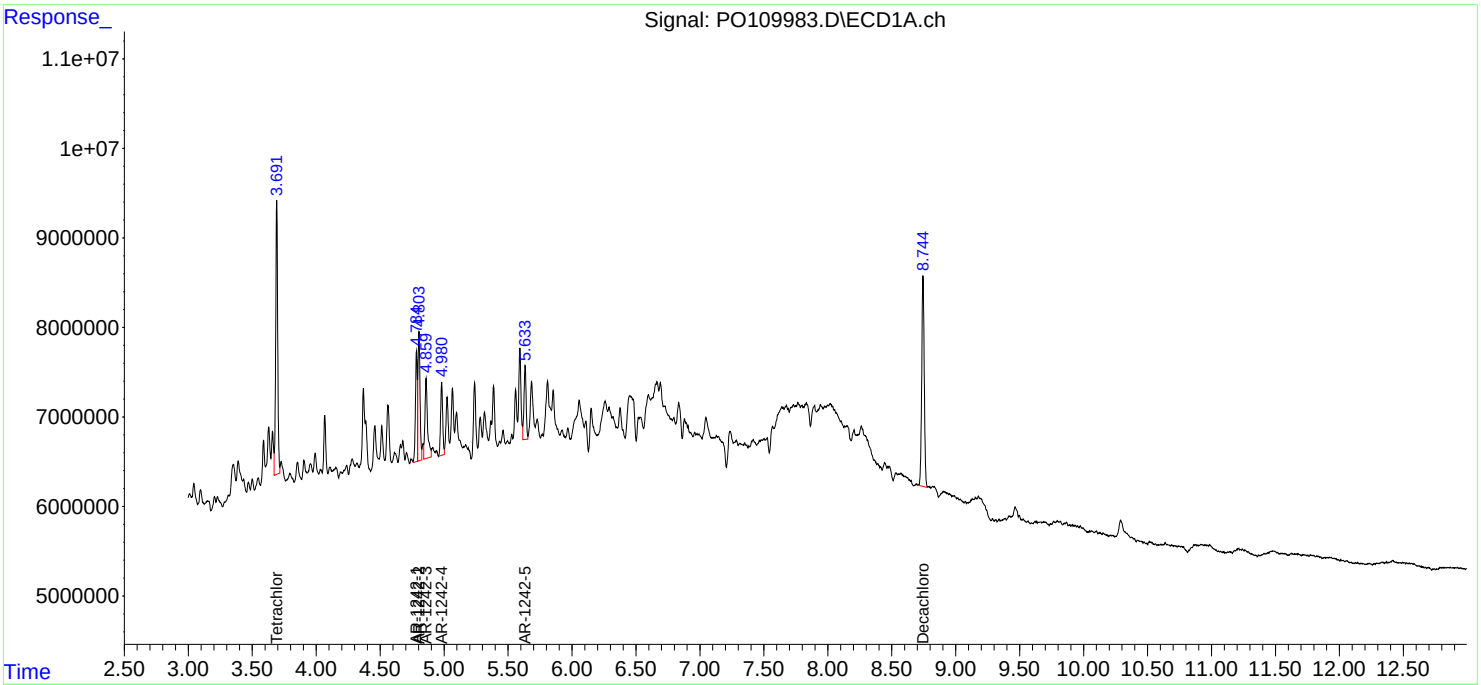
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

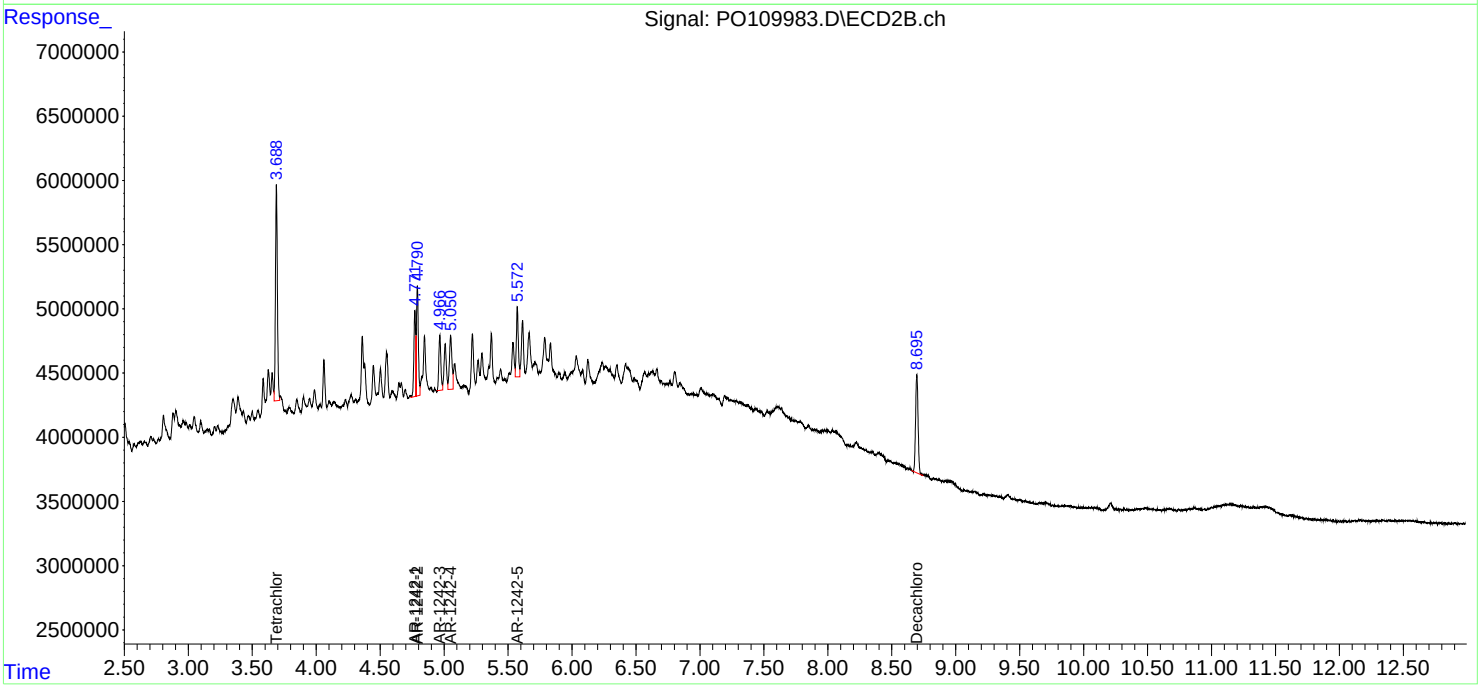
Manual Integrations APPROVED

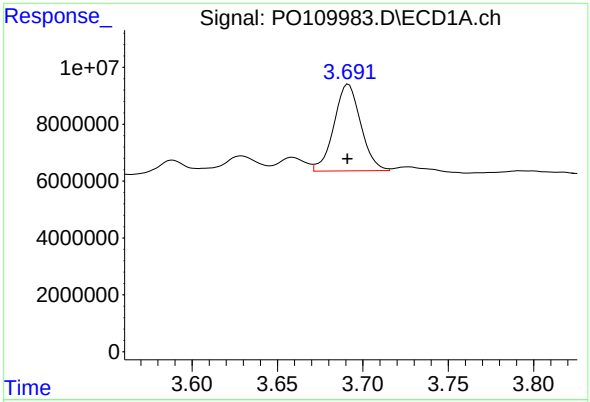
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:34:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







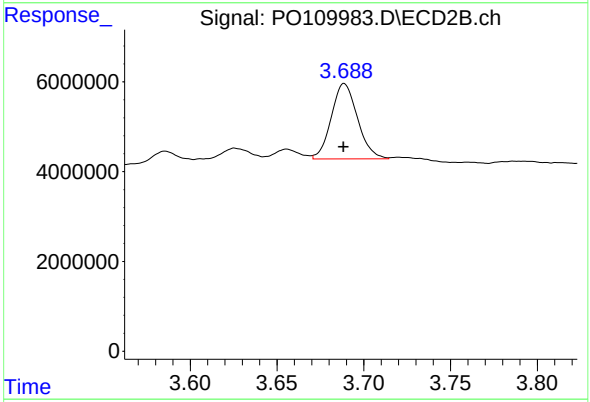
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 33275417
Conc: 3.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

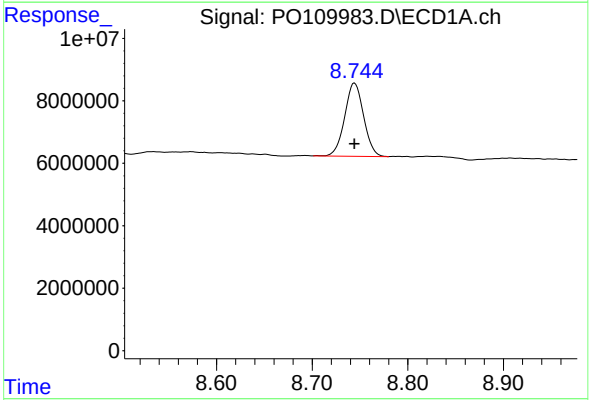
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



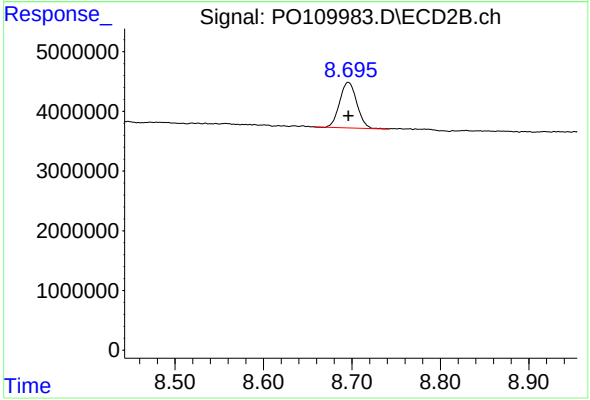
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 17649519
Conc: 3.68 ng/ml m



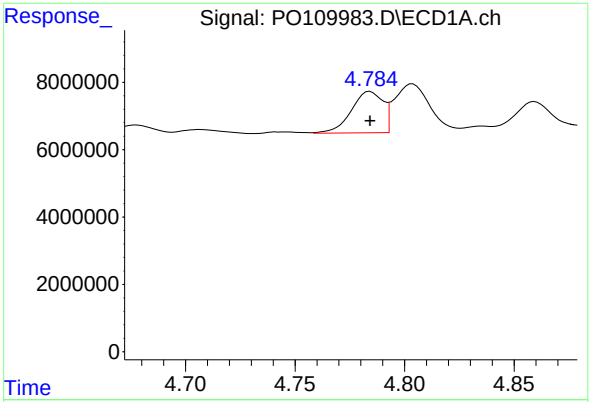
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 32408304
Conc: 4.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 10337597
Conc: 4.62 ng/ml



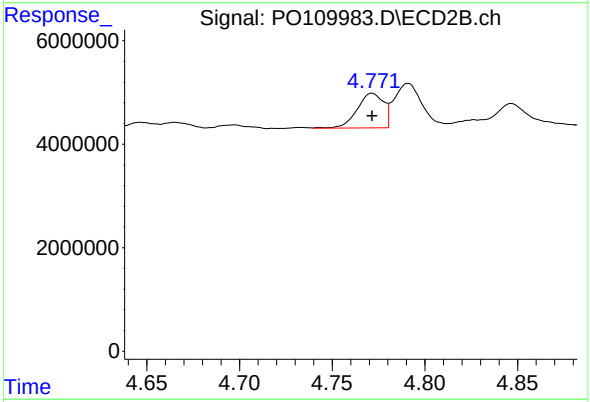
#16 AR-1242-1

R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 12333502
Conc: 46.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

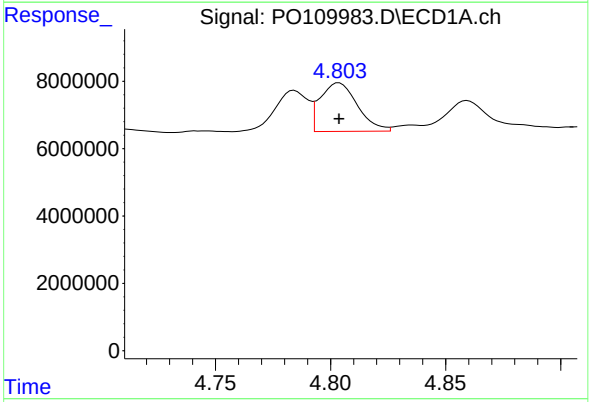
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



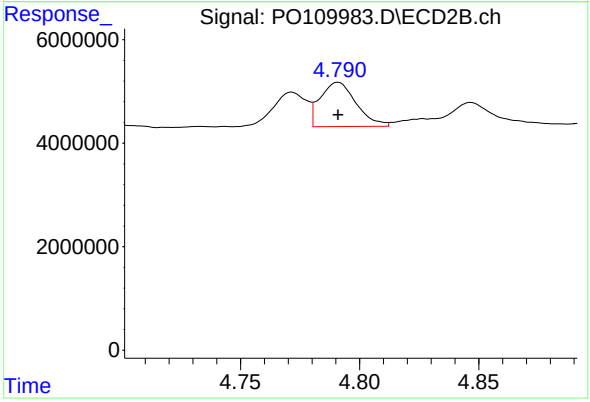
#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 6612130
Conc: 45.22 ng/ml



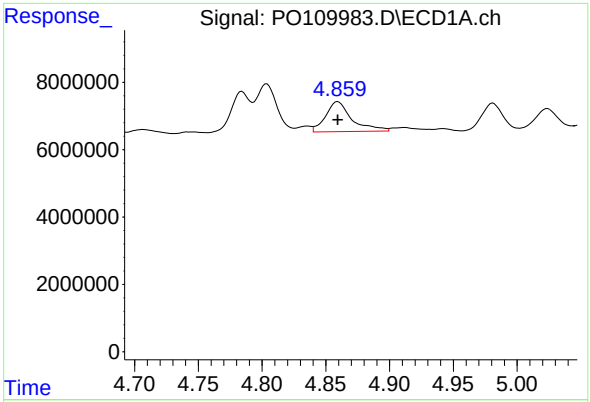
#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 16261465
Conc: 44.16 ng/ml



#17 AR-1242-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 8959332
Conc: 43.07 ng/ml



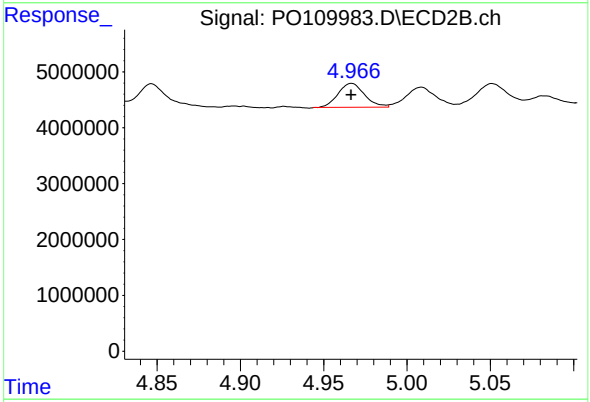
#18 AR-1242-3

R.T.: 4.859 min
Delta R.T.: 0.000 min
Response: 12804073
Conc: 49.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

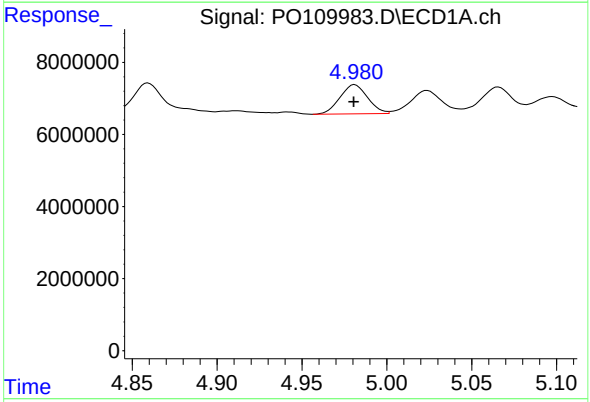
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



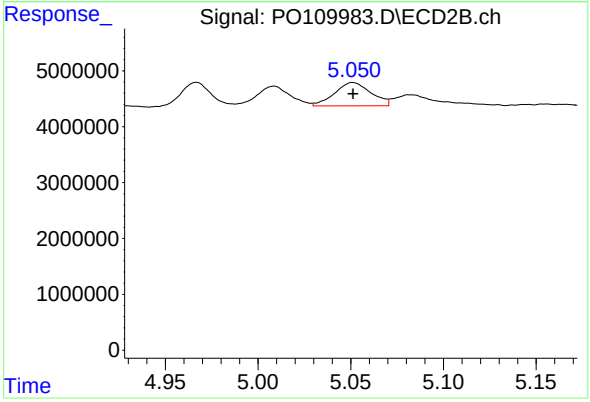
#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 4792003
Conc: 42.93 ng/ml m



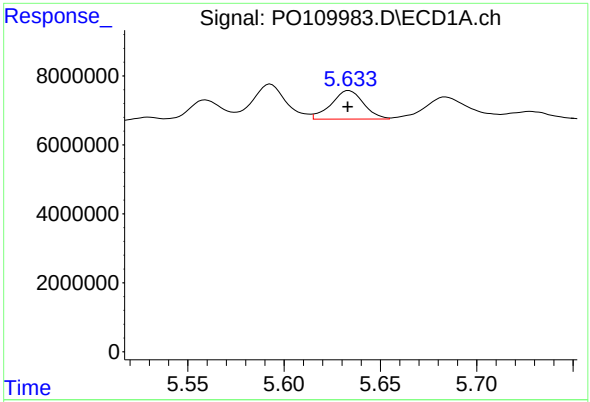
#19 AR-1242-4

R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 9228050
Conc: 46.26 ng/ml m



#19 AR-1242-4

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 5726073
Conc: 49.37 ng/ml



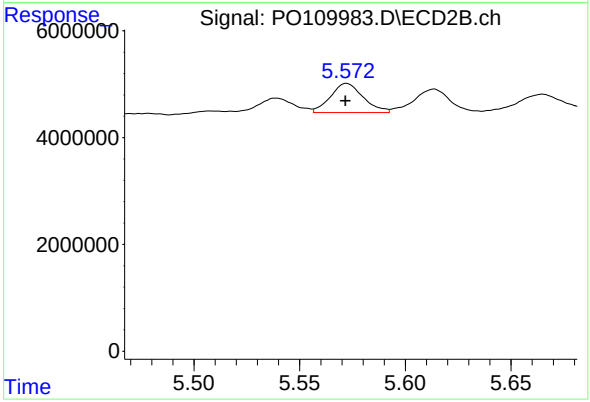
#20 AR-1242-5

R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 9633519
Conc: 45.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 5880388
Conc: 42.71 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:42
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: Mar 19 01:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.689	889.7E6	511.9E6	95.913	96.672
2)	SA Decachlor...	8.742	8.696	728.0E6	214.7E6	93.393	91.574
	Target Compounds						
21)	L5 AR-1248-1	4.783	4.771	203.2E6	111.3E6	923.985	924.703
22)	L5 AR-1248-2	5.022	5.008	271.7E6	153.2E6	902.515	908.902
23)	L5 AR-1248-3	5.237	5.050	341.9E6	163.6E6	913.052	913.648
24)	L5 AR-1248-4	5.591	5.221	484.7E6	192.0E6	926.318	920.729
25)	L5 AR-1248-5	5.633	5.614	341.9E6	189.8E6	924.672	932.015

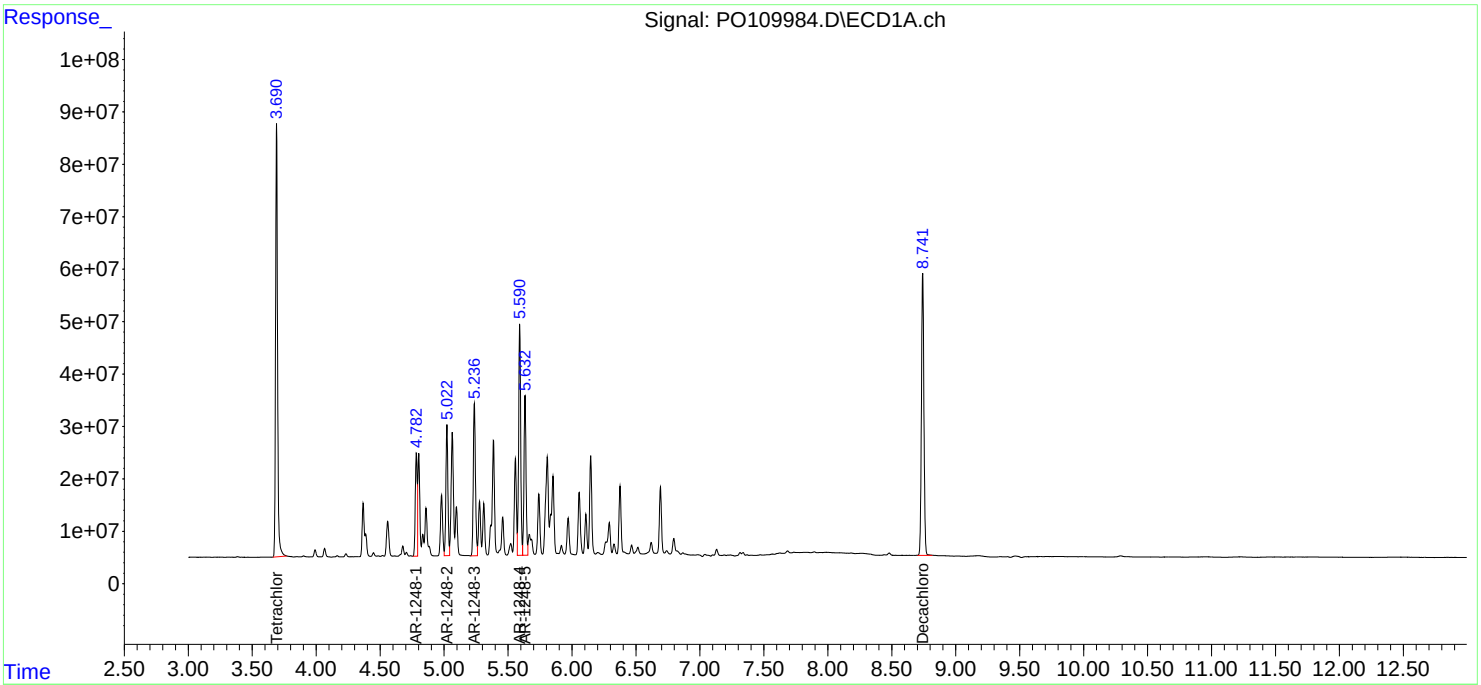
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

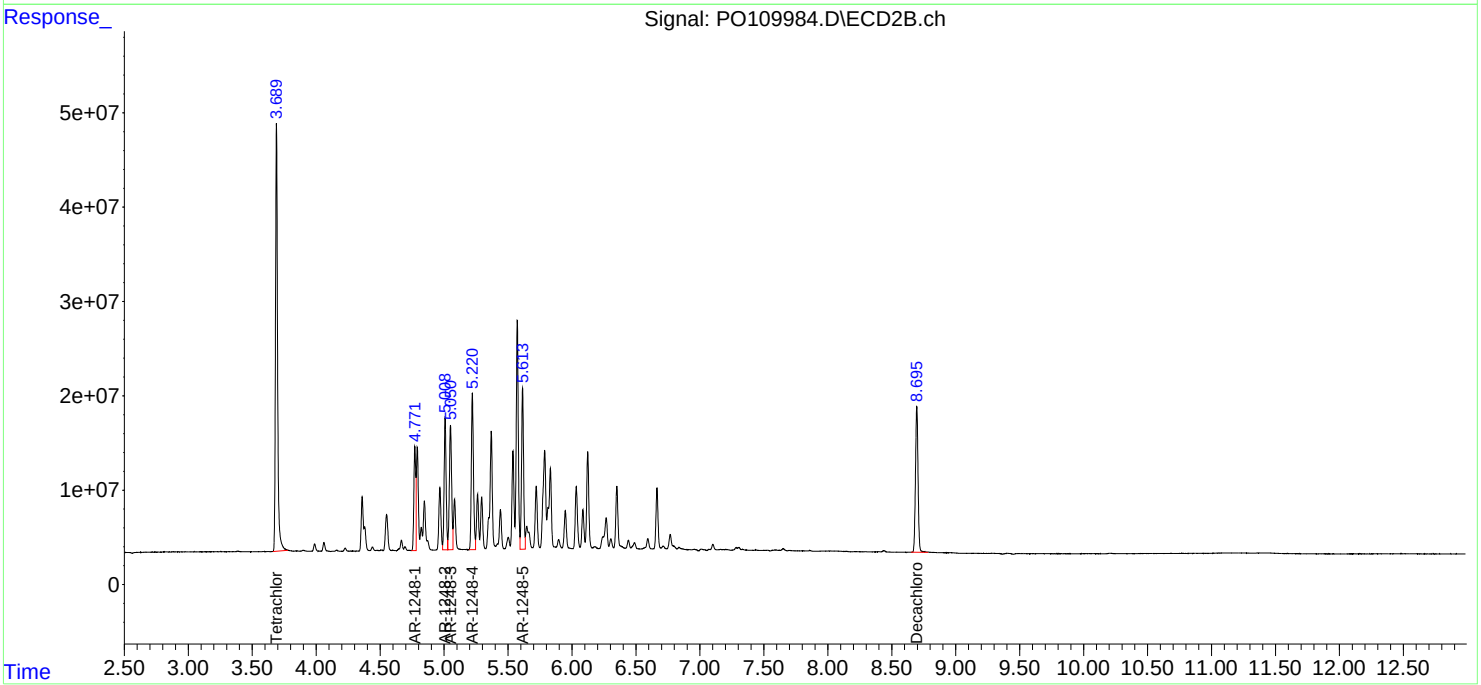
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:42
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

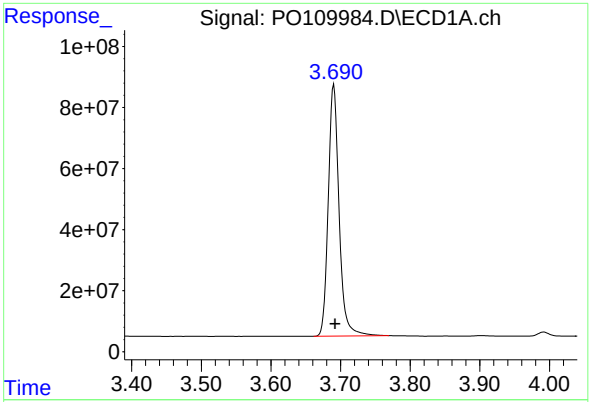
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



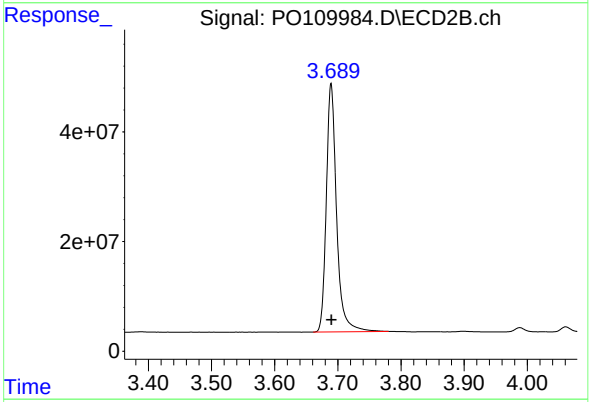




#1 Tetrachloro-m-xylene

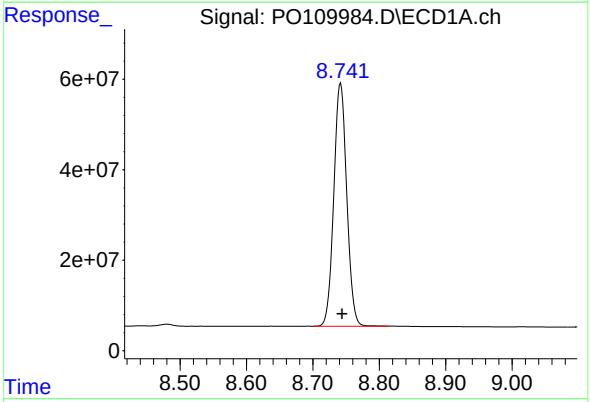
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 889690628
Conc: 95.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



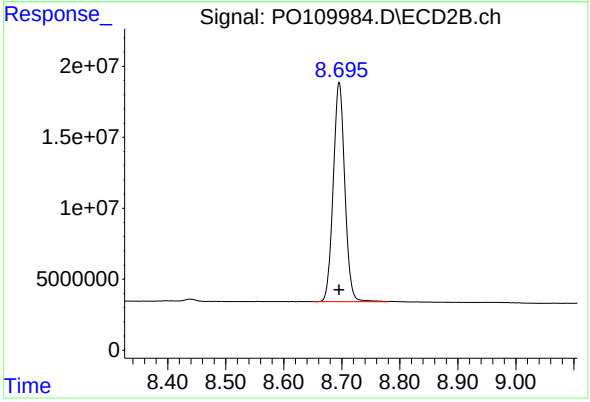
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 511894308
Conc: 96.67 ng/ml



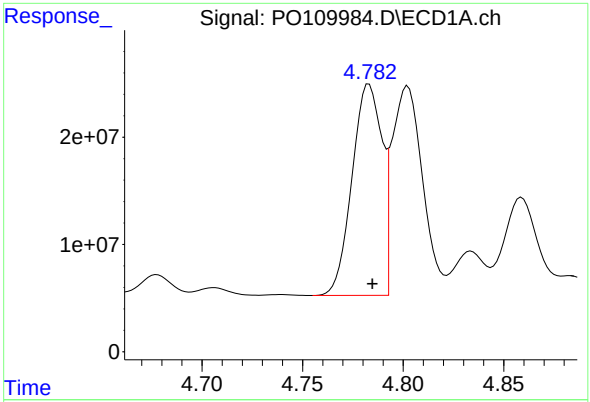
#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.002 min
Response: 727980203
Conc: 93.39 ng/ml



#2 Decachlorobiphenyl

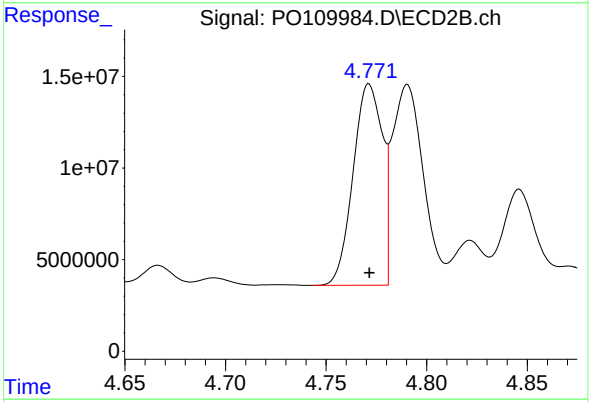
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 214708362
Conc: 91.57 ng/ml



#21 AR-1248-1

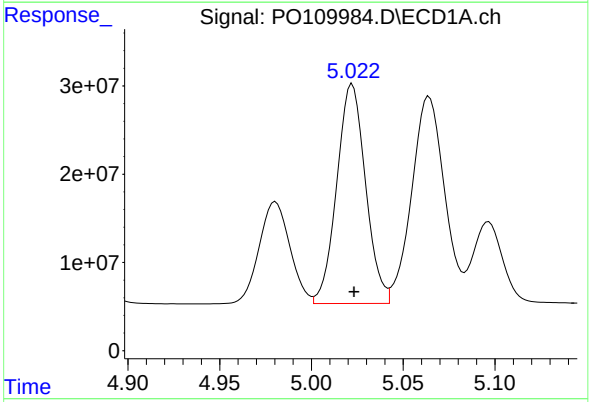
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 203222777
Conc: 923.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



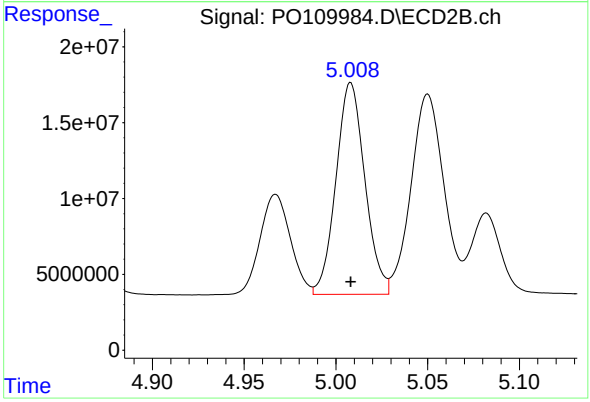
#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 111262575
Conc: 924.70 ng/ml



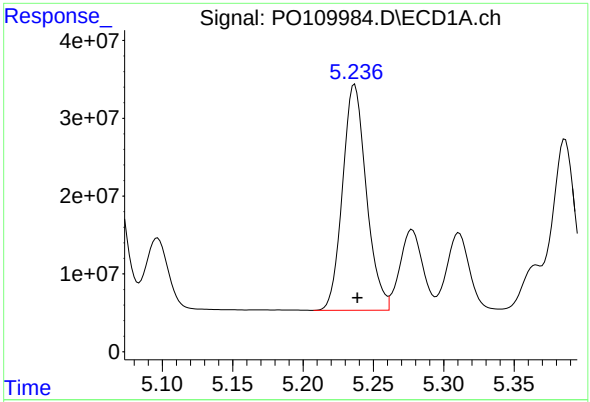
#22 AR-1248-2

R.T.: 5.022 min
Delta R.T.: -0.001 min
Response: 271717932
Conc: 902.51 ng/ml



#22 AR-1248-2

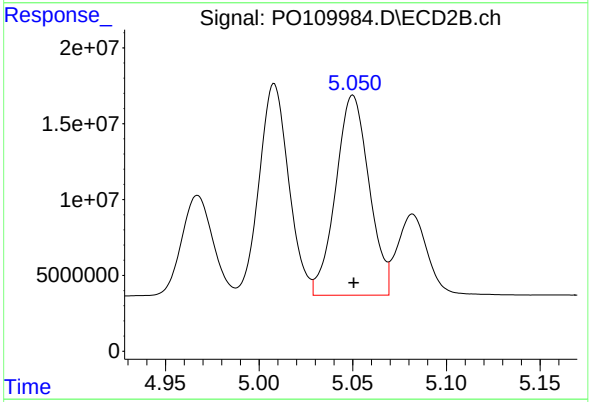
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 153166873
Conc: 908.90 ng/ml



#23 AR-1248-3

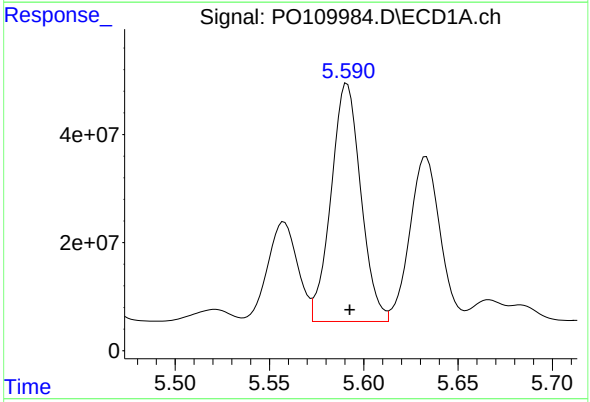
R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 341855080
Conc: 913.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



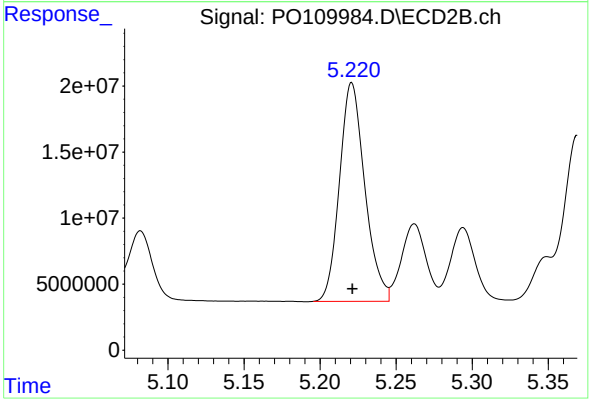
#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 163639212
Conc: 913.65 ng/ml



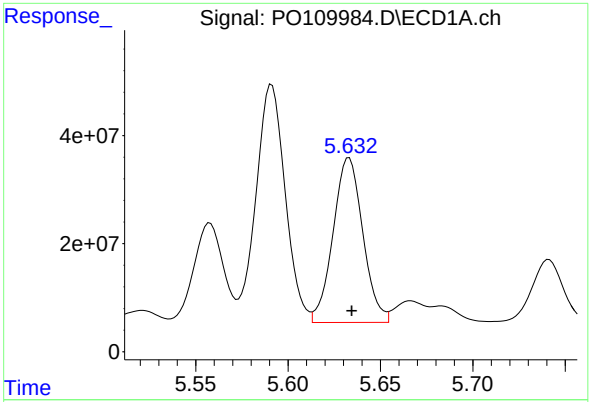
#24 AR-1248-4

R.T.: 5.591 min
Delta R.T.: -0.001 min
Response: 484718685
Conc: 926.32 ng/ml



#24 AR-1248-4

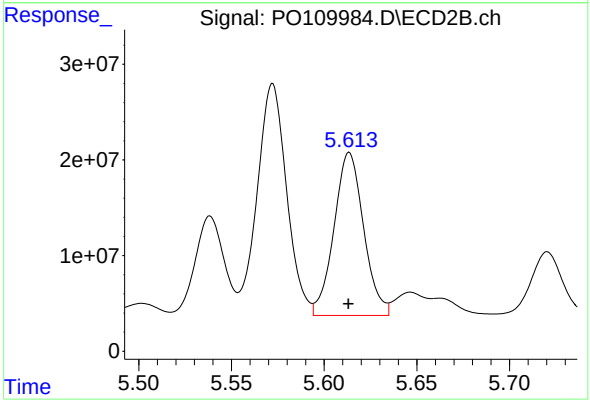
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 192034431
Conc: 920.73 ng/ml



#25 AR-1248-5

R.T.: 5.633 min
Delta R.T.: -0.001 min
Response: 341874536
Conc: 924.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.614 min
Delta R.T.: 0.000 min
Response: 189825244
Conc: 932.02 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:00
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: Mar 19 01:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	683.1E6	391.4E6	73.638	73.916
2)	SA Decachlor...	8.743	8.696	564.9E6	168.9E6	72.473	72.022
	Target Compounds						
21)	L5 AR-1248-1	4.785	4.772	158.1E6	86749863	718.942	720.978
22)	L5 AR-1248-2	5.024	5.009	213.9E6	120.1E6	710.557	712.732
23)	L5 AR-1248-3	5.239	5.051	267.9E6	128.2E6	715.615	715.920
24)	L5 AR-1248-4	5.593	5.222	377.8E6	150.5E6	721.979	721.526
25)	L5 AR-1248-5	5.635	5.614	266.1E6	147.5E6	719.788	724.105

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

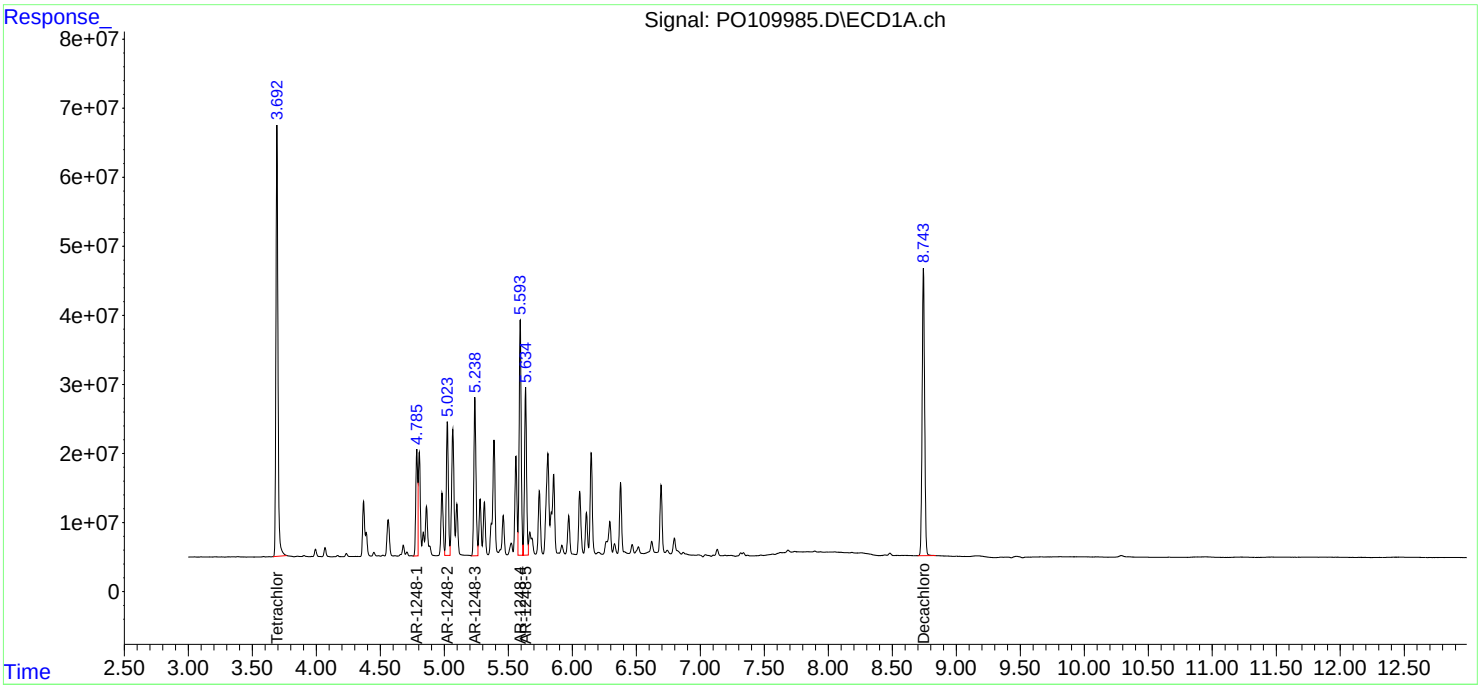
ICAL Form

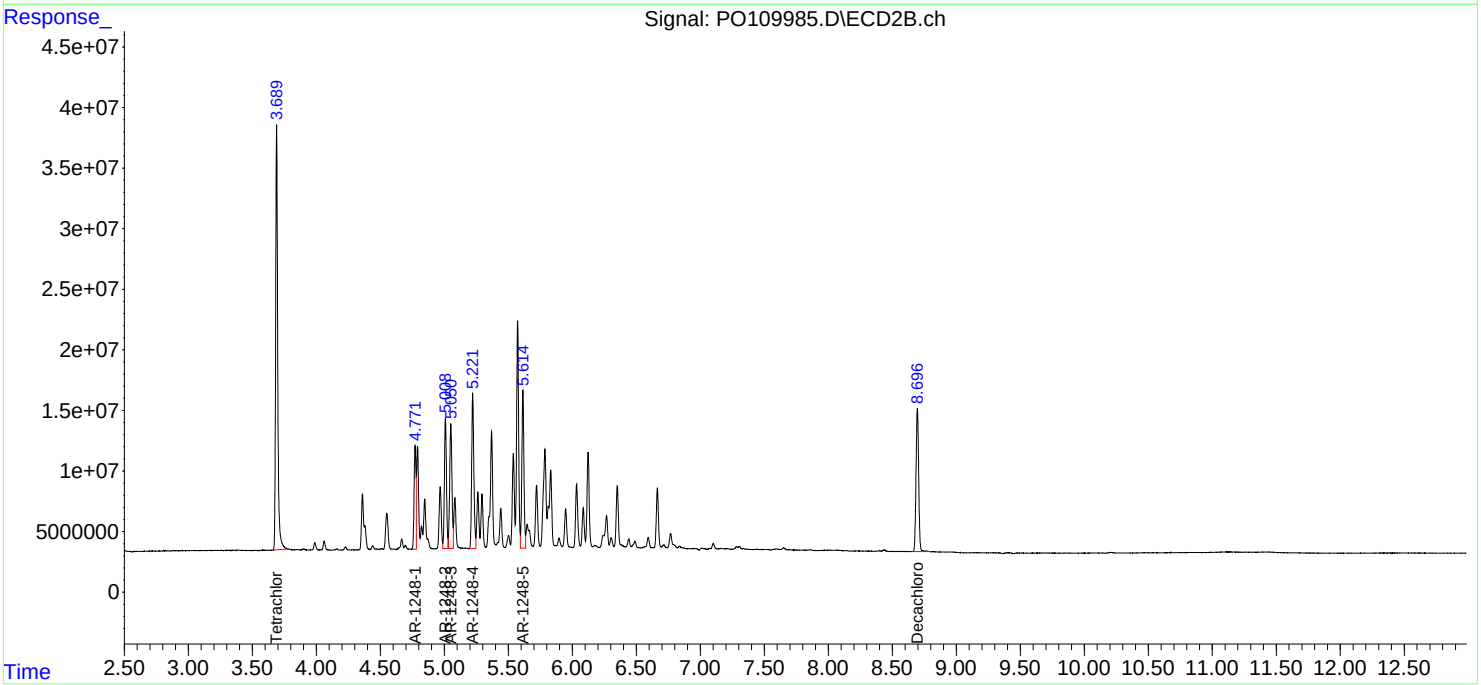
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:00
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

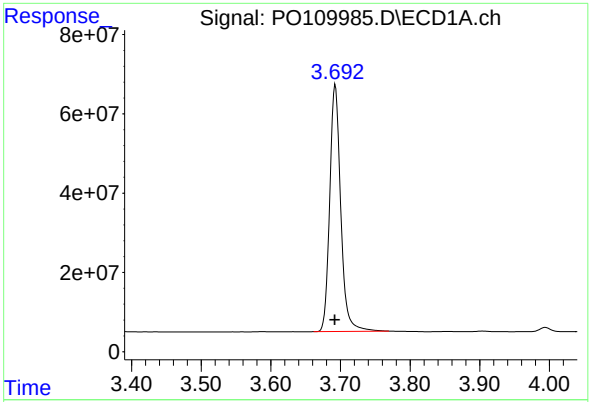
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



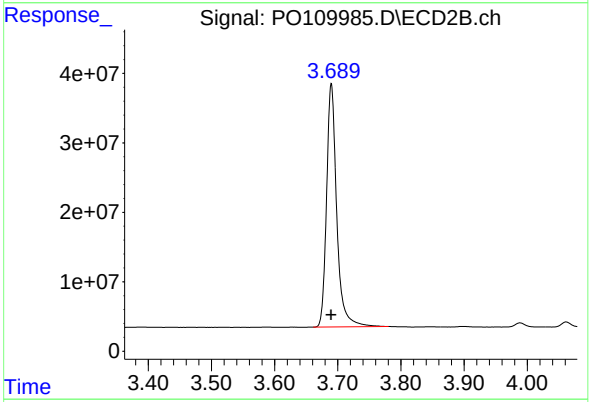




#1 Tetrachloro-m-xylene

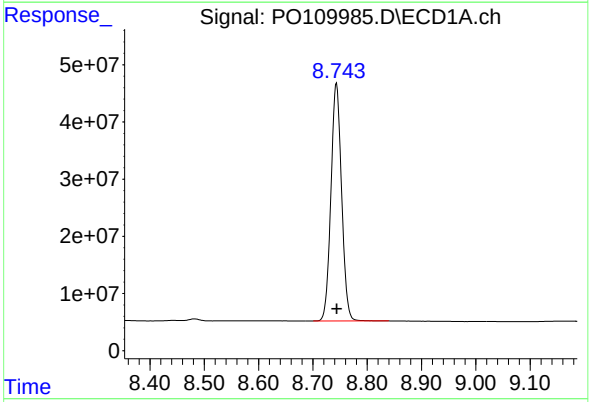
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 683064811
Conc: 73.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



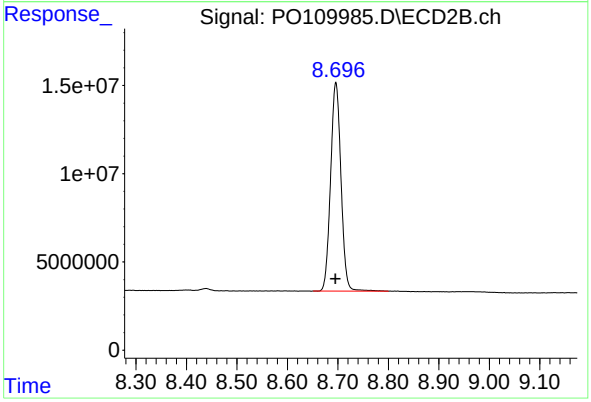
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 391397784
Conc: 73.92 ng/ml



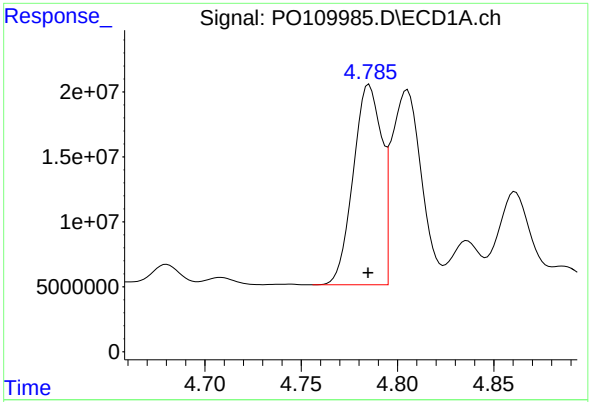
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 564910095
Conc: 72.47 ng/ml



#2 Decachlorobiphenyl

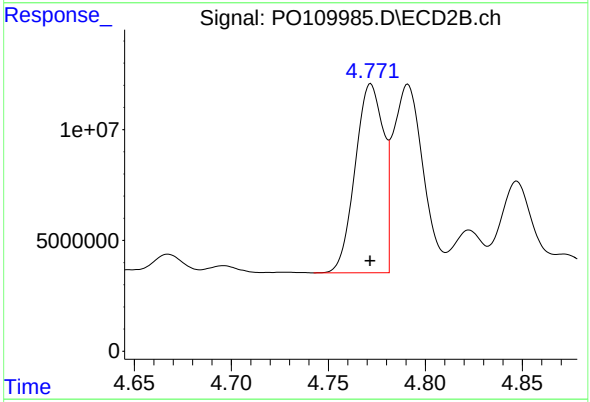
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 168866978
Conc: 72.02 ng/ml



#21 AR-1248-1

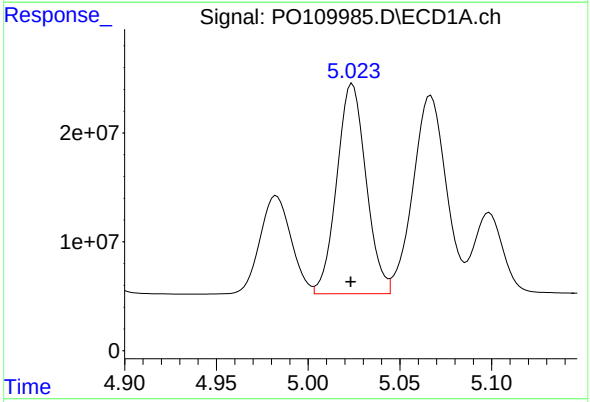
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 158125163
Conc: 718.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



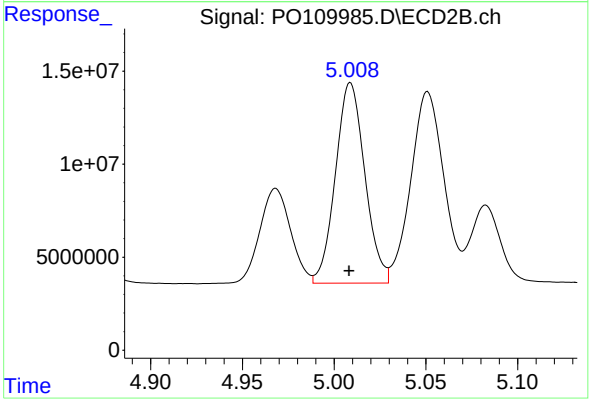
#21 AR-1248-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 86749863
Conc: 720.98 ng/ml



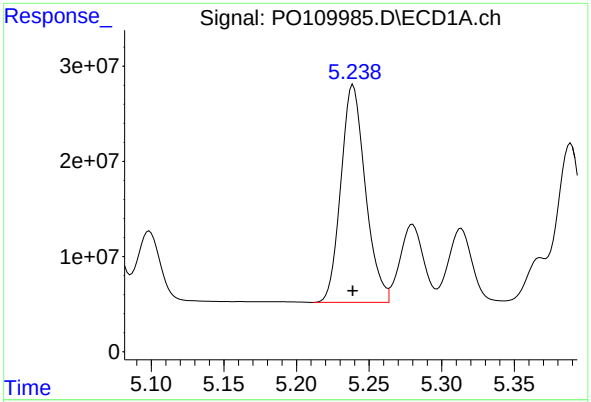
#22 AR-1248-2

R.T.: 5.024 min
Delta R.T.: 0.000 min
Response: 213925644
Conc: 710.56 ng/ml



#22 AR-1248-2

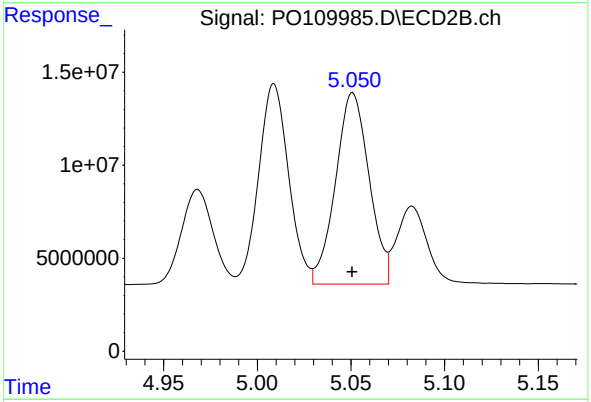
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 120108575
Conc: 712.73 ng/ml



#23 AR-1248-3

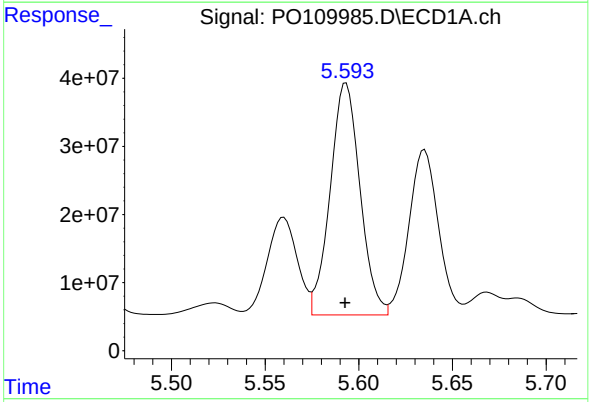
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 267932599
Conc: 715.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



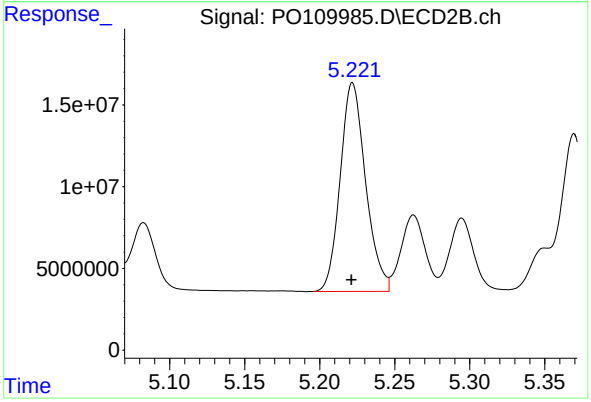
#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 128225021
Conc: 715.92 ng/ml



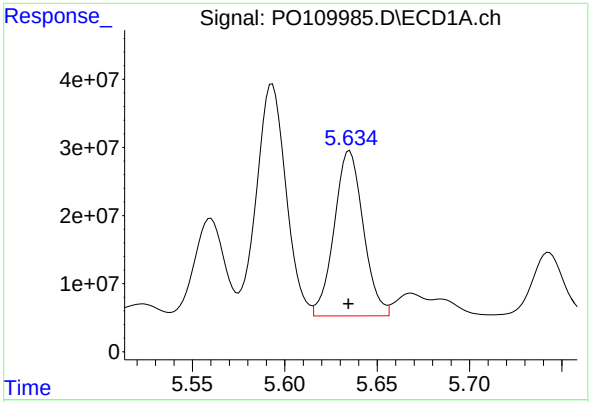
#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 377793460
Conc: 721.98 ng/ml



#24 AR-1248-4

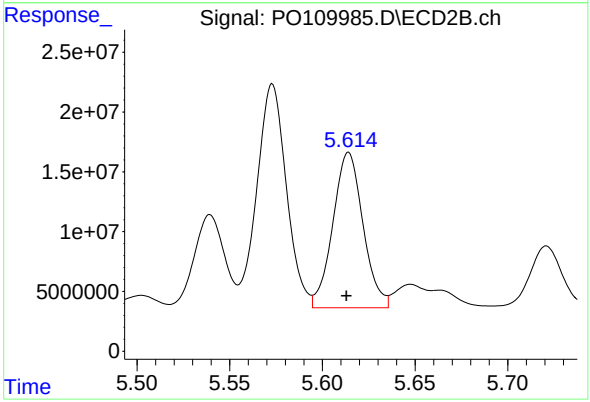
R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 150486943
Conc: 721.53 ng/ml



#25 AR-1248-5

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 266123735
Conc: 719.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.614 min
Delta R.T.: 0.001 min
Response: 147479675
Conc: 724.10 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:19
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: Mar 19 01:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	463.8E6	264.8E6	50.000	50.000
2)	SA Decachlor...	8.744	8.695	389.7E6	117.2E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.785	4.771	110.0E6	60161217	500.000	500.000
22)	L5 AR-1248-2	5.023	5.008	150.5E6	84259256	500.000	500.000
23)	L5 AR-1248-3	5.239	5.051	187.2E6	89552637	500.000	500.000
24)	L5 AR-1248-4	5.593	5.221	261.6E6	104.3E6	500.000	500.000
25)	L5 AR-1248-5	5.634	5.613	184.9E6	101.8E6	500.000	500.000

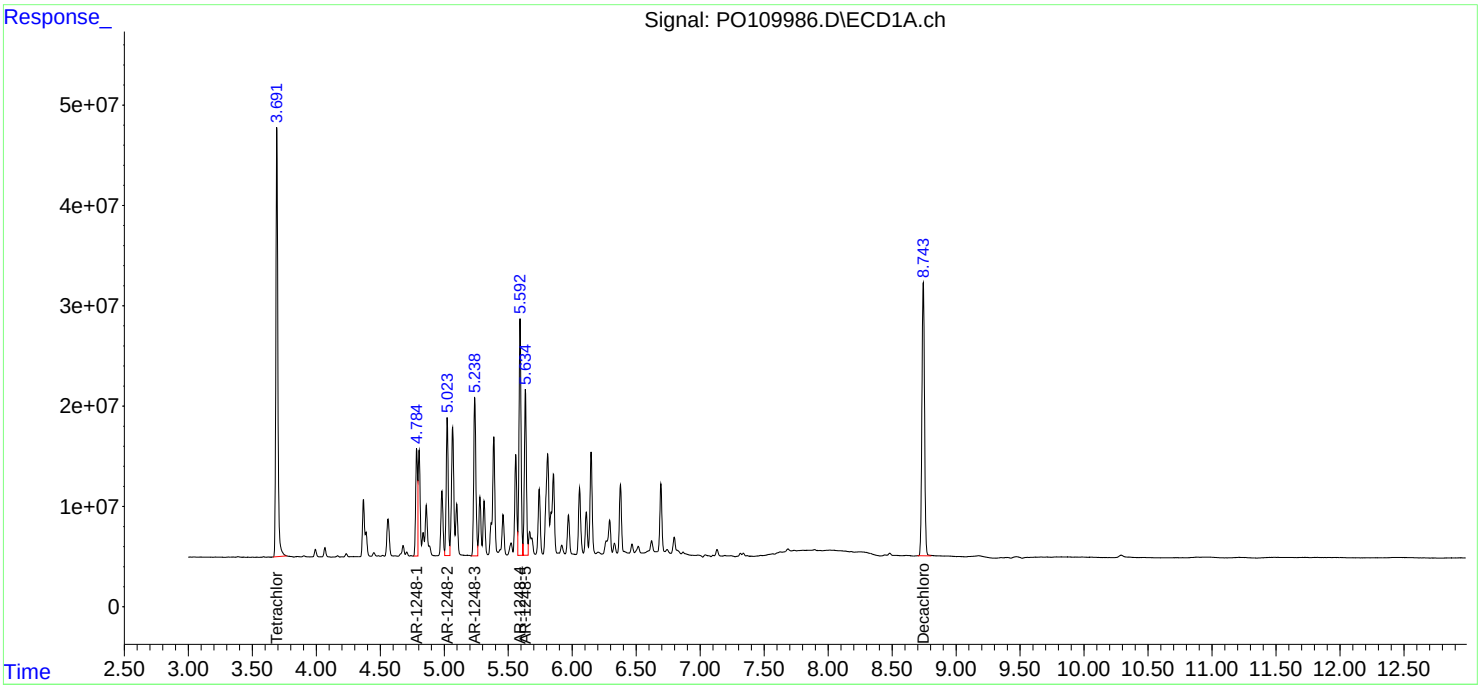
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

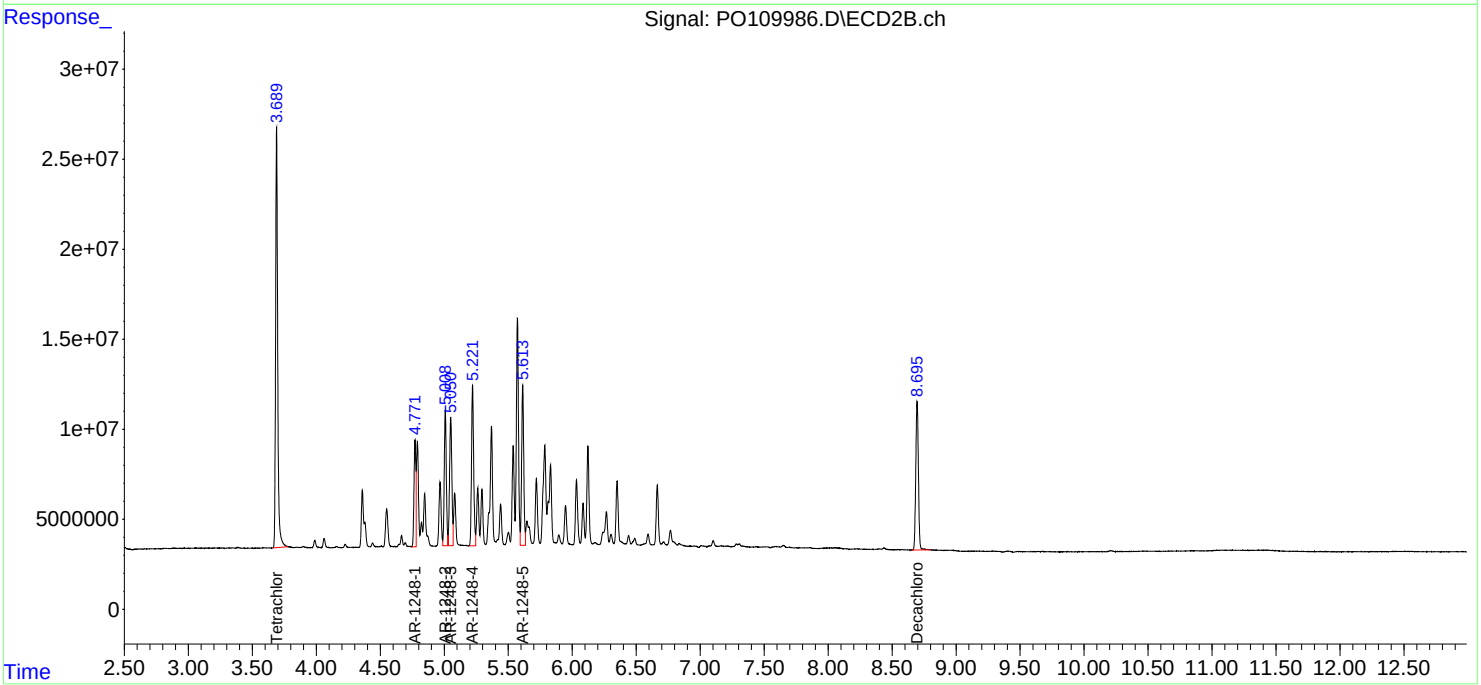
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:19
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

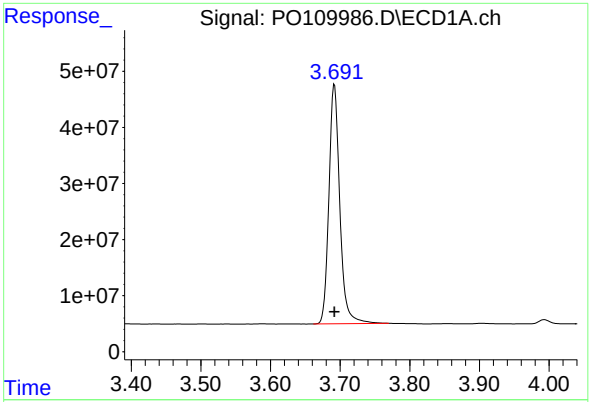
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



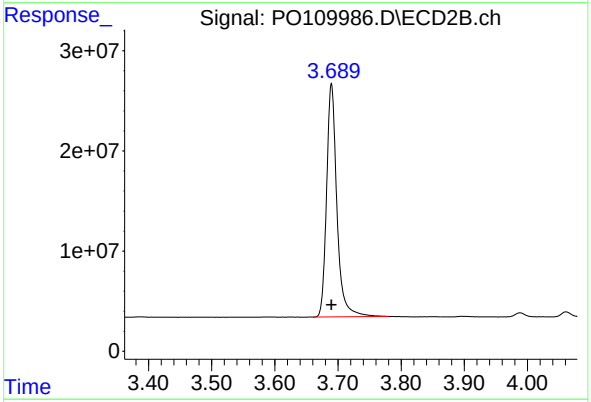




#1 Tetrachloro-m-xylene

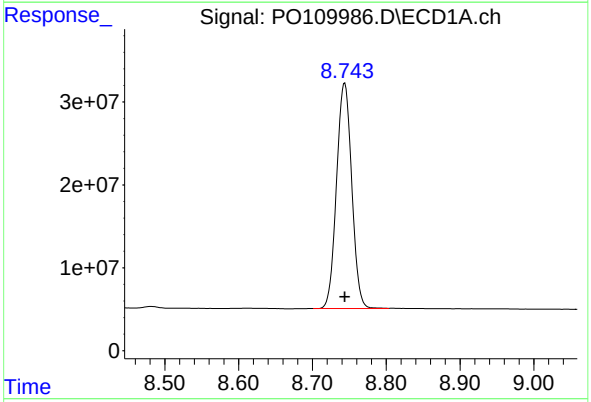
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 463799489
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



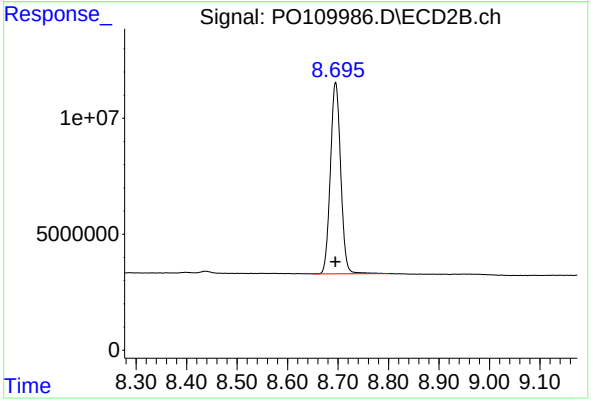
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 264757687
Conc: 50.00 ng/ml



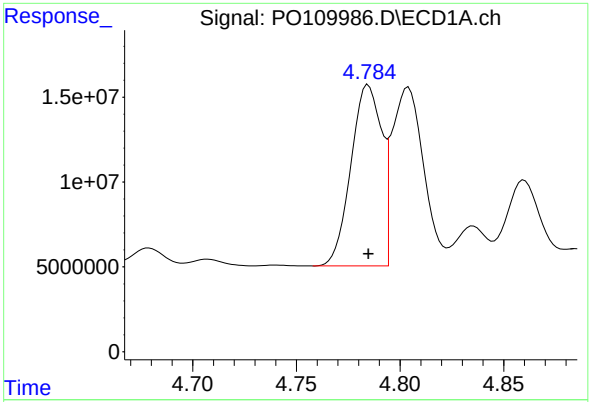
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 389738327
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

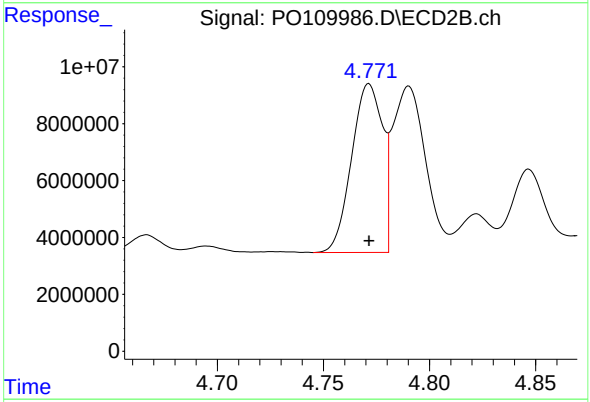
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 117232791
Conc: 50.00 ng/ml



#21 AR-1248-1

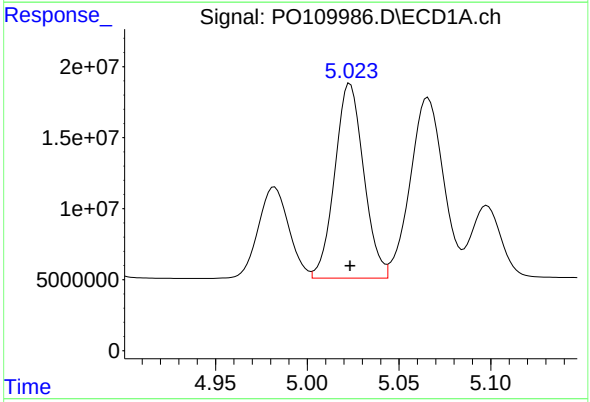
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 109970762
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



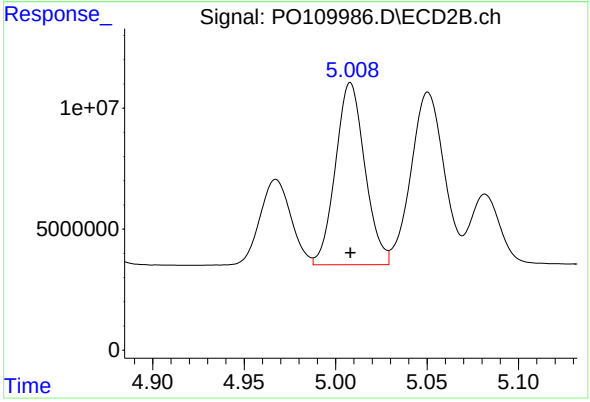
#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 60161217
Conc: 500.00 ng/ml



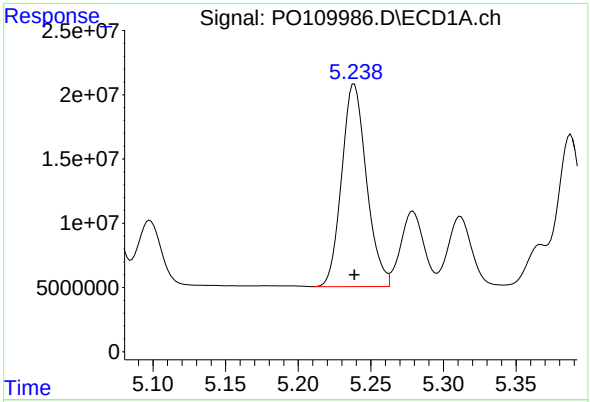
#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: 0.000 min
Response: 150533799
Conc: 500.00 ng/ml



#22 AR-1248-2

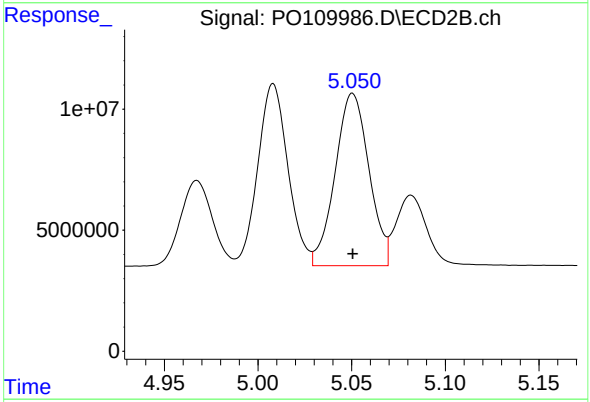
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 84259256
Conc: 500.00 ng/ml



#23 AR-1248-3

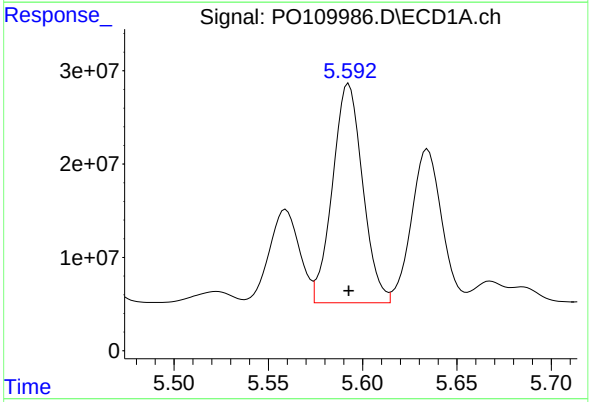
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 187204562
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



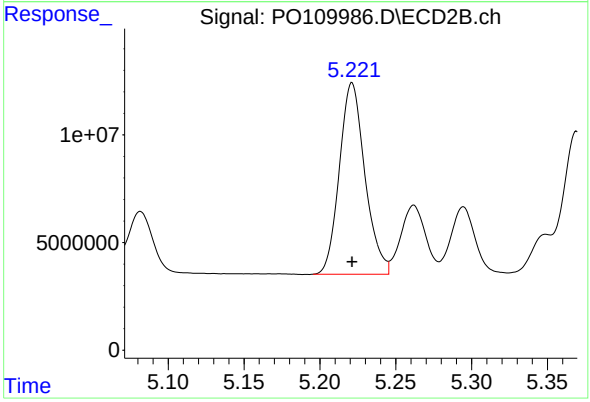
#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 89552637
Conc: 500.00 ng/ml



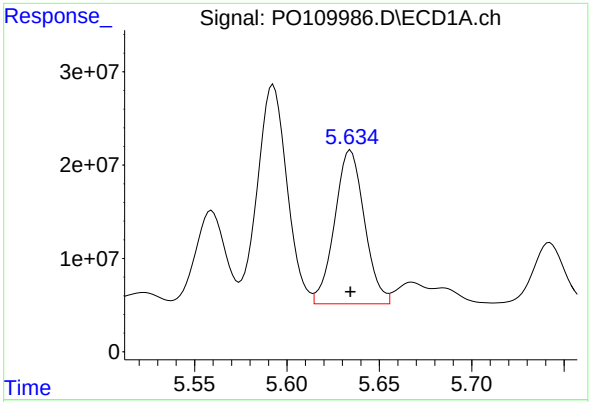
#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 261637332
Conc: 500.00 ng/ml



#24 AR-1248-4

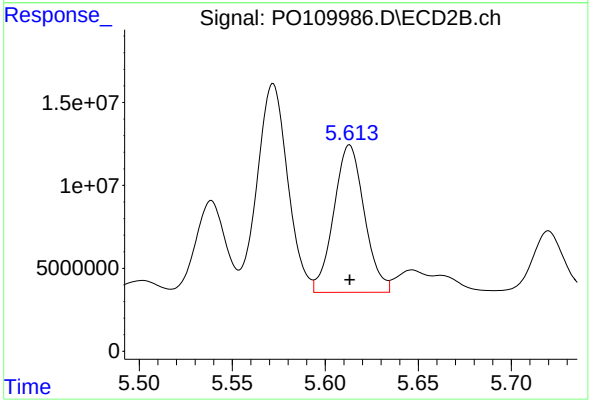
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 104283869
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 184862645
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 101835896
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:37
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: Mar 19 01:40:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.689	234.4E6	134.2E6	25.266	25.339
2)	SA Decachlor...	8.744	8.695	202.8E6	63399780	26.017	27.040
	Target Compounds						
21)	L5 AR-1248-1	4.784	4.771	57869632	31675925	263.114	263.259
22)	L5 AR-1248-2	5.023	5.008	80049855	44958781	265.887	266.788
23)	L5 AR-1248-3	5.238	5.050	98806066	47928872	263.899	267.602
24)	L5 AR-1248-4	5.592	5.221	136.0E6	55764342	259.818	267.368
25)	L5 AR-1248-5	5.634	5.613	96853624	53959011	261.961	264.931

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

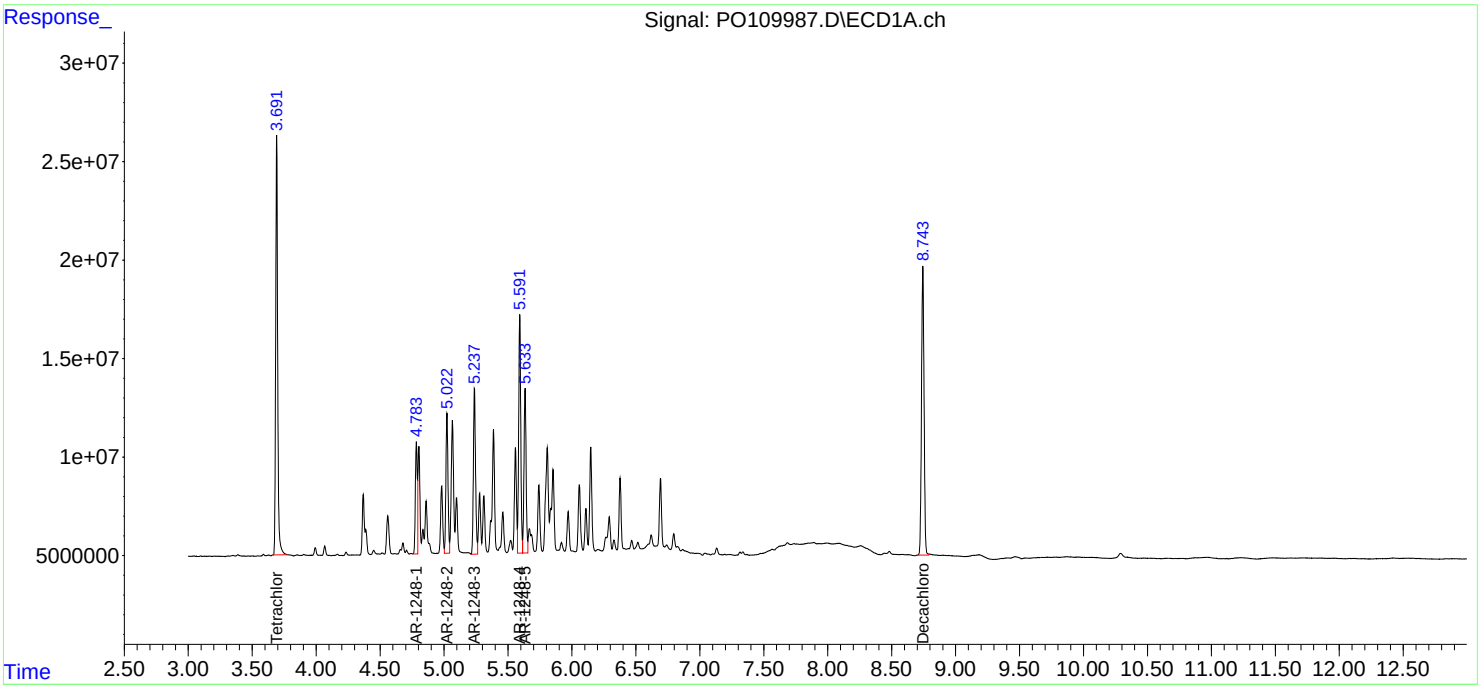
ICAL Form

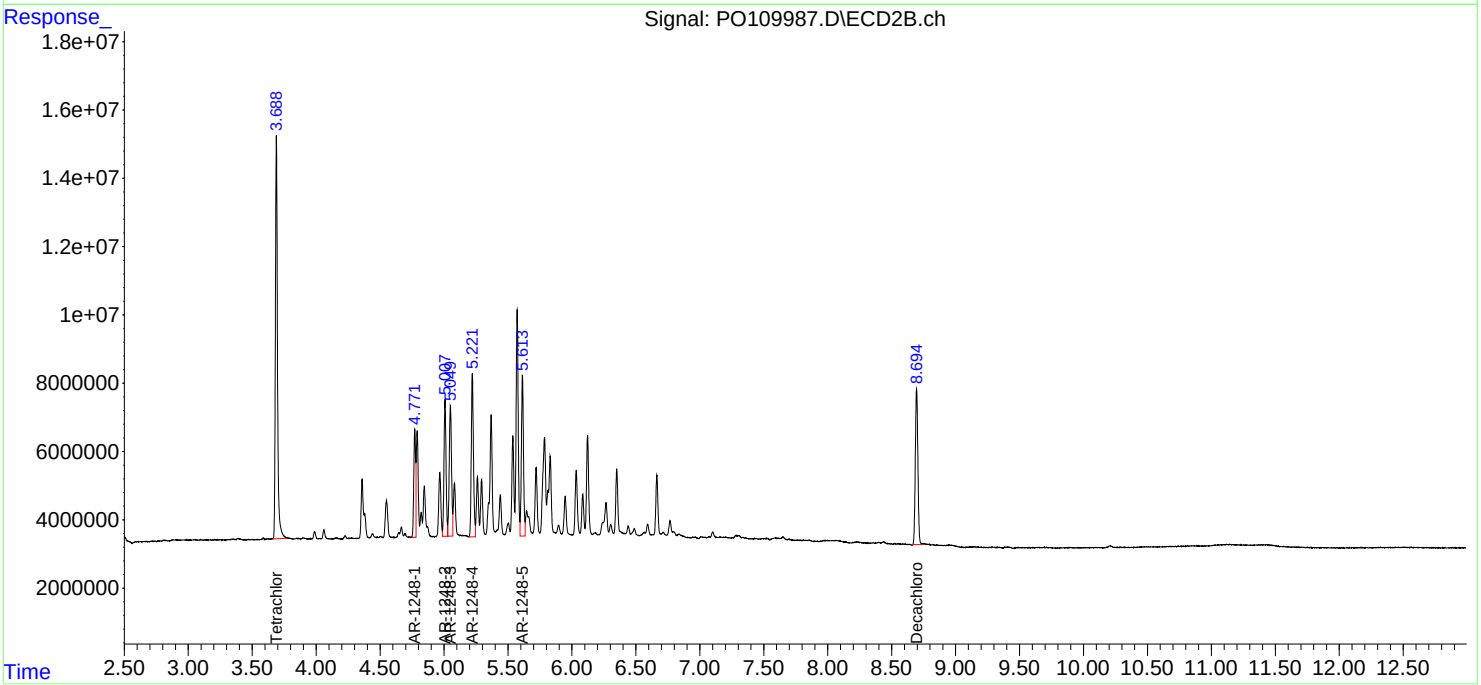
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:37
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

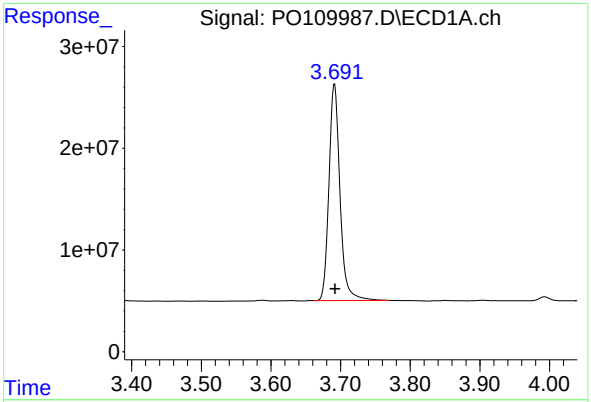
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



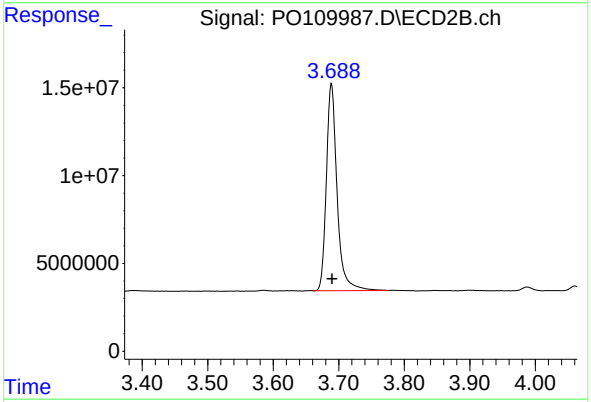




#1 Tetrachloro-m-xylene

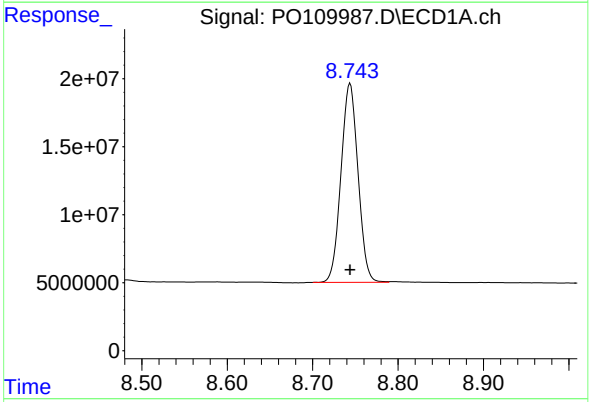
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 234365223
Conc: 25.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



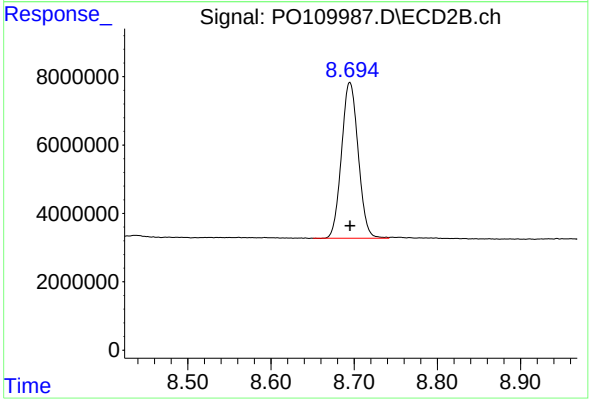
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 134173646
Conc: 25.34 ng/ml



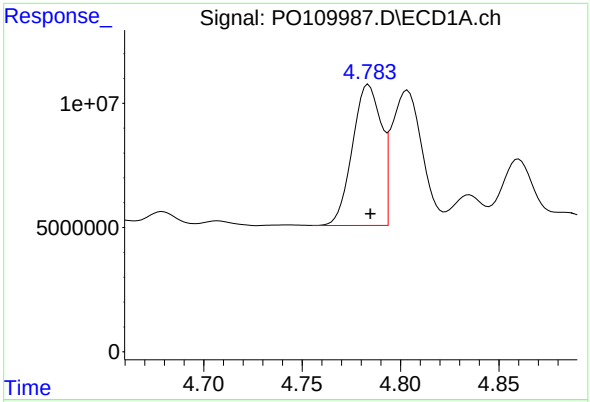
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 202795797
Conc: 26.02 ng/ml



#2 Decachlorobiphenyl

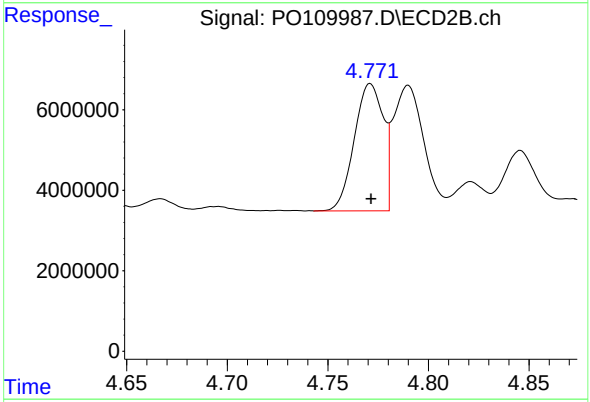
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 63399780
Conc: 27.04 ng/ml



#21 AR-1248-1

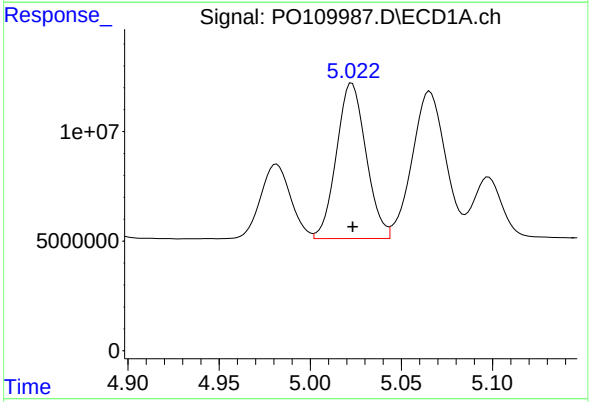
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 57869632
Conc: 263.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



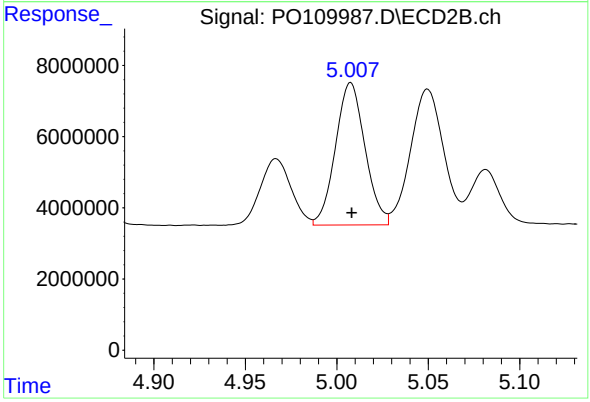
#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 31675925
Conc: 263.26 ng/ml



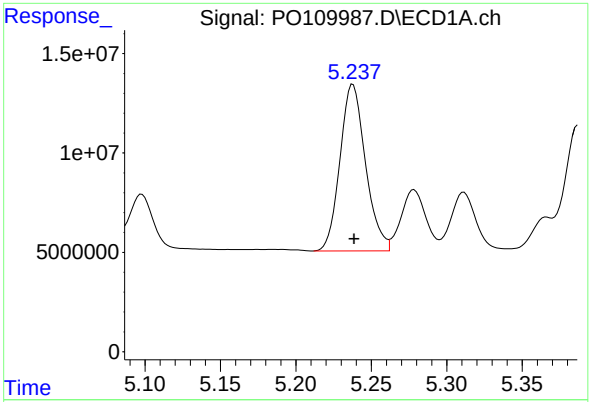
#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: 0.000 min
Response: 80049855
Conc: 265.89 ng/ml



#22 AR-1248-2

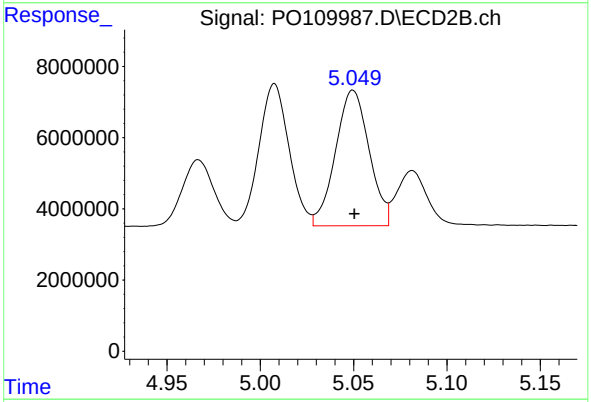
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 44958781
Conc: 266.79 ng/ml



#23 AR-1248-3

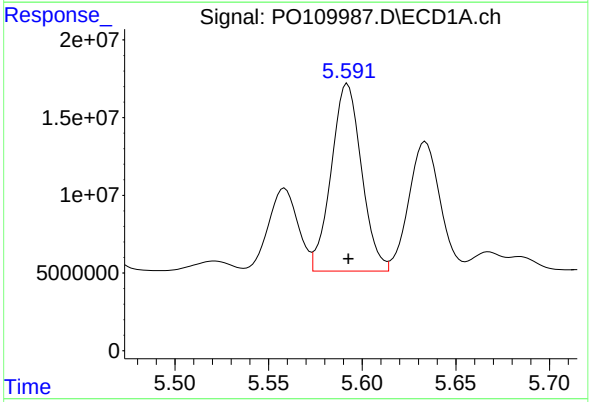
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 98806066
Conc: 263.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



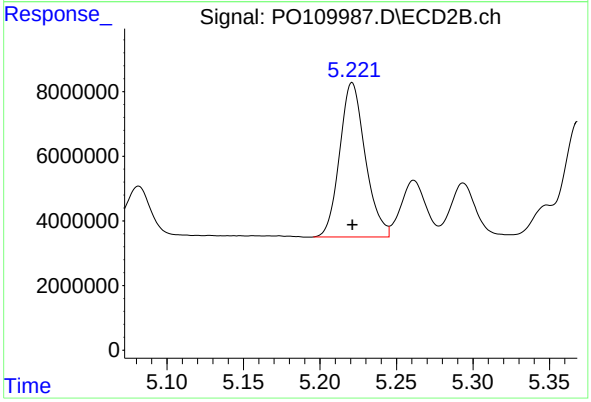
#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 47928872
Conc: 267.60 ng/ml



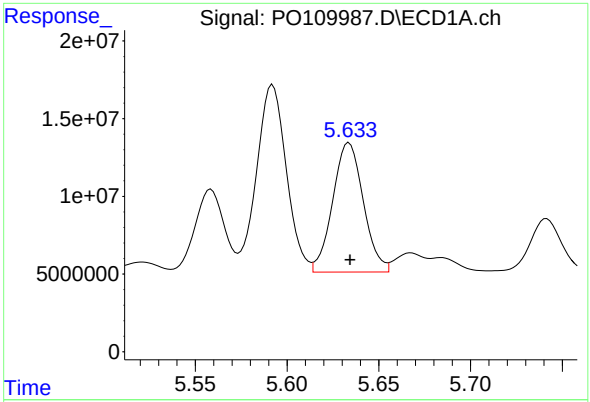
#24 AR-1248-4

R.T.: 5.592 min
Delta R.T.: 0.000 min
Response: 135956218
Conc: 259.82 ng/ml



#24 AR-1248-4

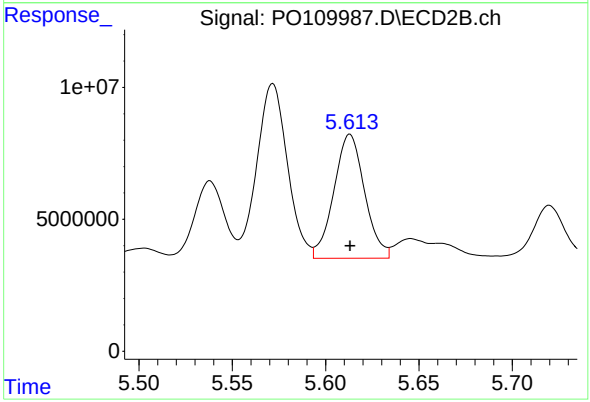
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 55764342
Conc: 267.37 ng/ml



#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 96853624
Conc: 261.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 53959011
Conc: 264.93 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:54
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.689	43788277	25352976	4.721	4.788
2)	SA Decachlor...	8.742	8.695	41310164	13029410	5.300	5.557
	Target Compounds						
21)	L5 AR-1248-1	4.782	4.771	11846805	6686511	53.863	55.572
22)	L5 AR-1248-2	5.021	5.008	16385888	9031427	54.426	53.593
23)	L5 AR-1248-3	5.235	5.050	19860582	10026048	53.045m	55.979
24)	L5 AR-1248-4	5.591	5.221	29227773	11398927	55.856	54.653m
25)	L5 AR-1248-5	5.632	5.613	20545156	11669383	55.569	57.295

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:54
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

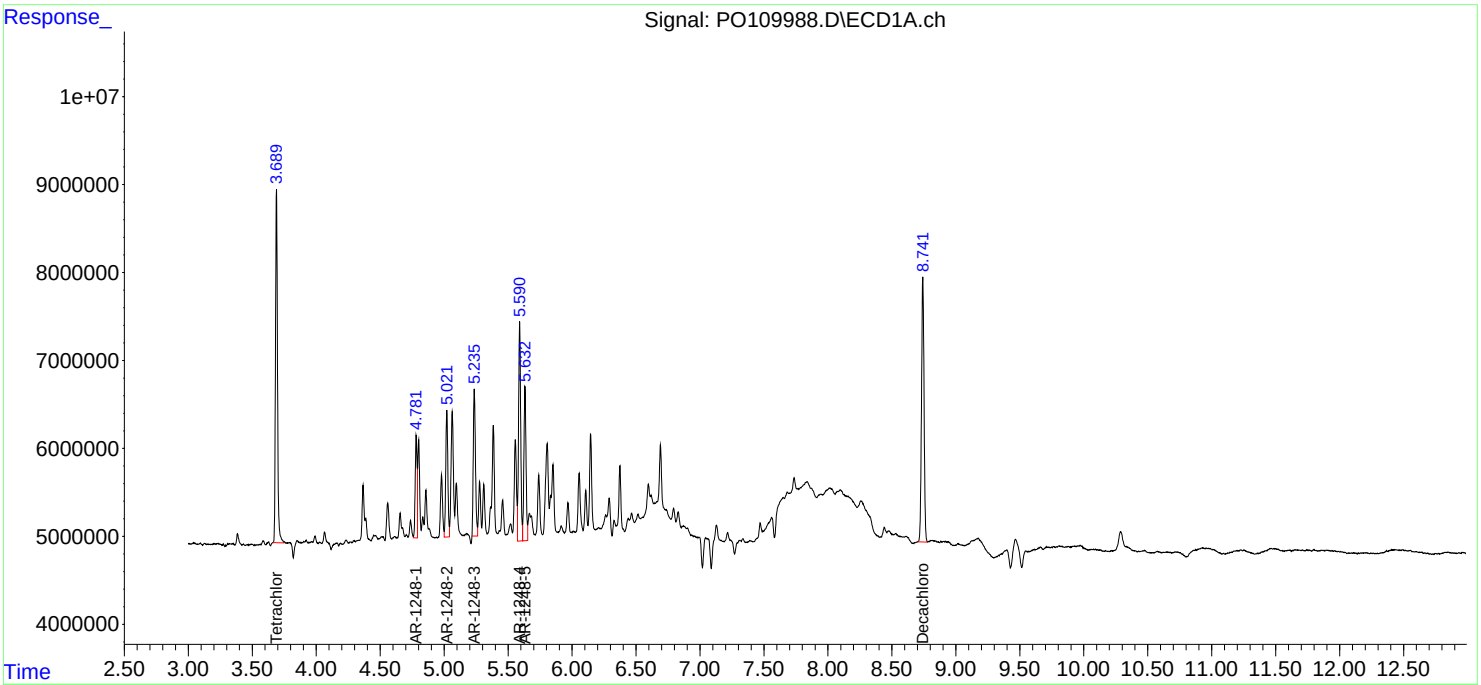
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

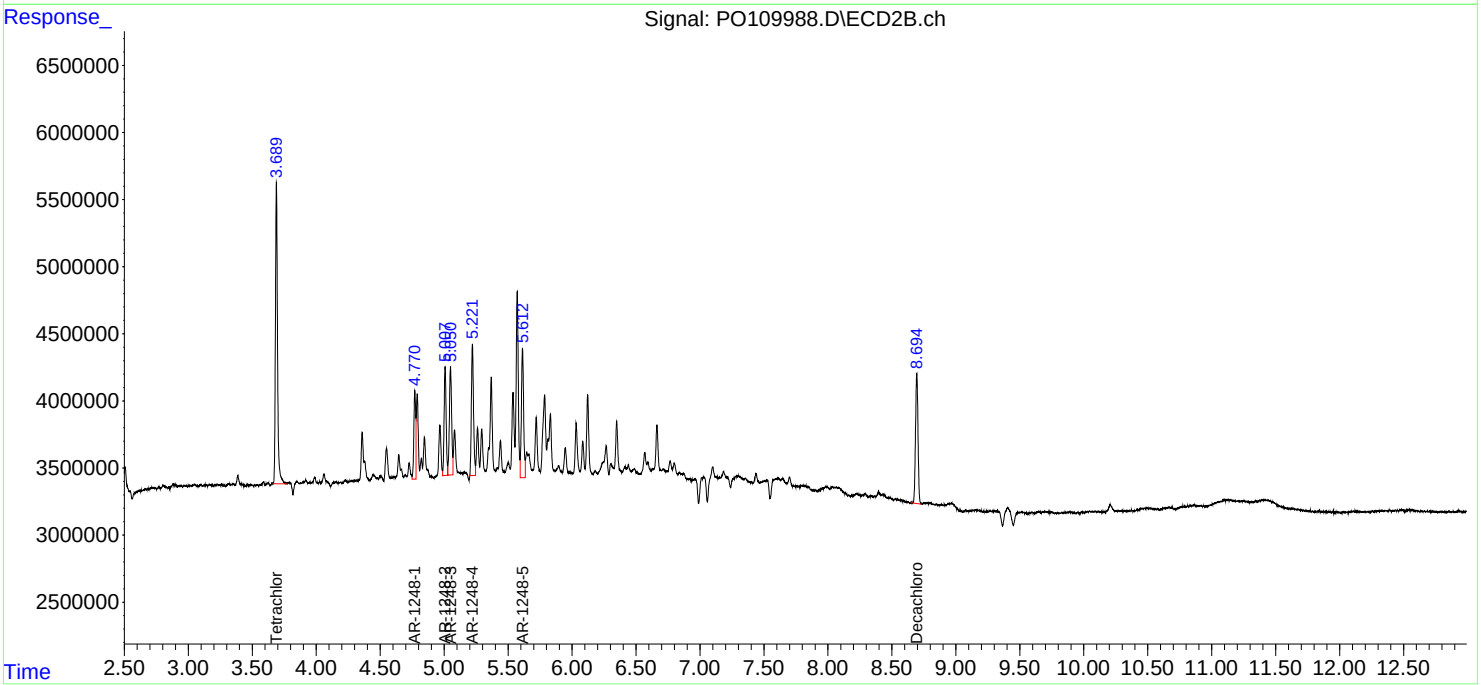
Manual Integrations APPROVED

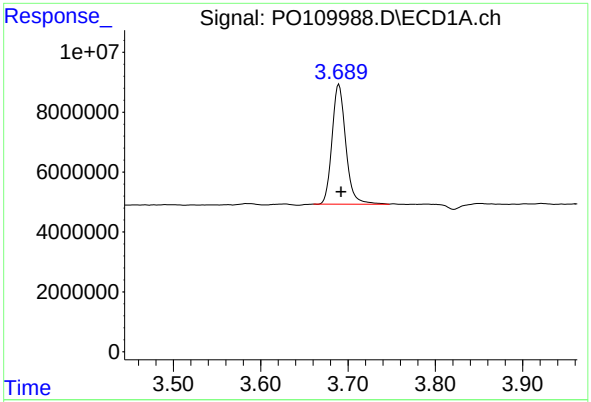
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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







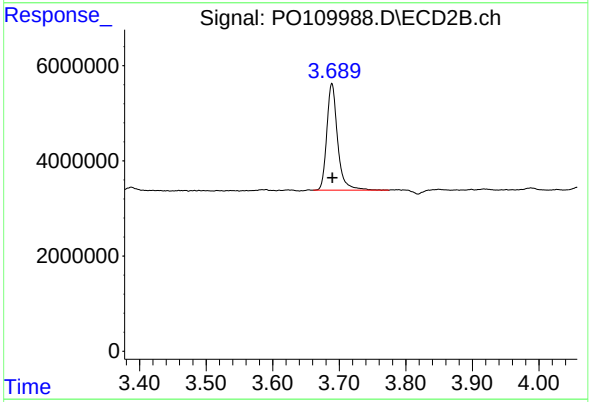
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 43788277
Conc: 4.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

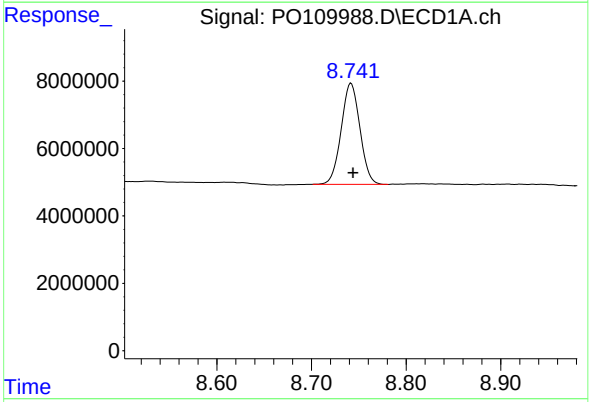
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



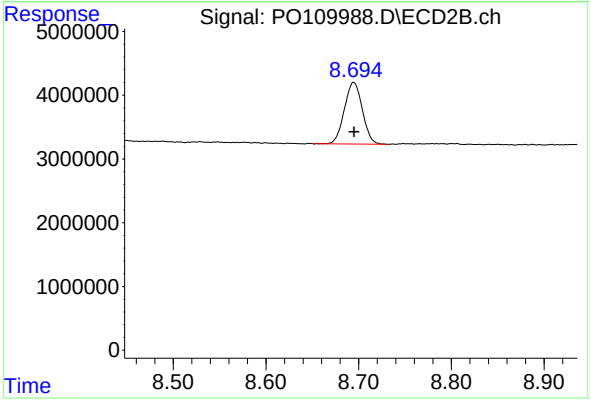
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 25352976
Conc: 4.79 ng/ml



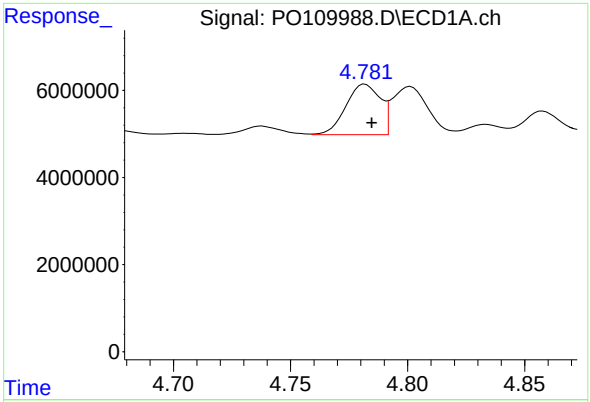
#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.002 min
Response: 41310164
Conc: 5.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 13029410
Conc: 5.56 ng/ml



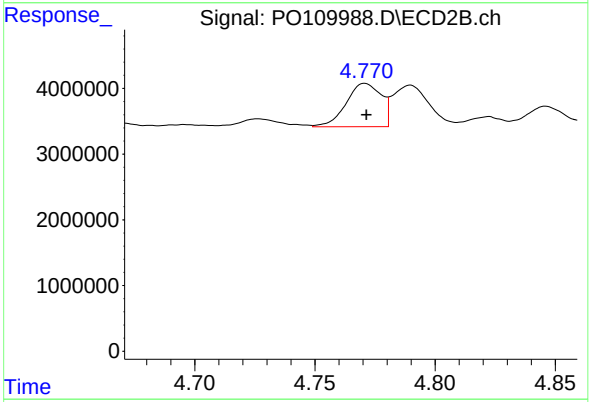
#21 AR-1248-1

R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 11846805
Conc: 53.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

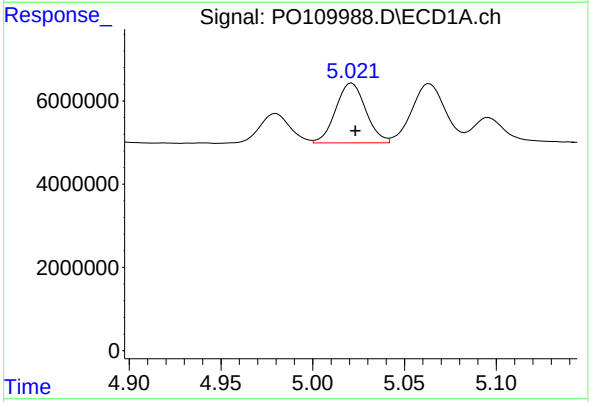
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



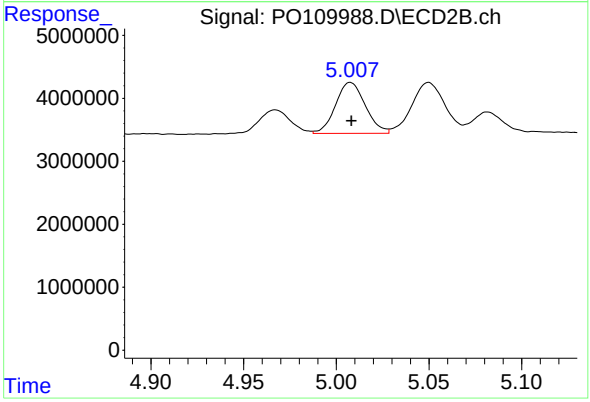
#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 6686511
Conc: 55.57 ng/ml



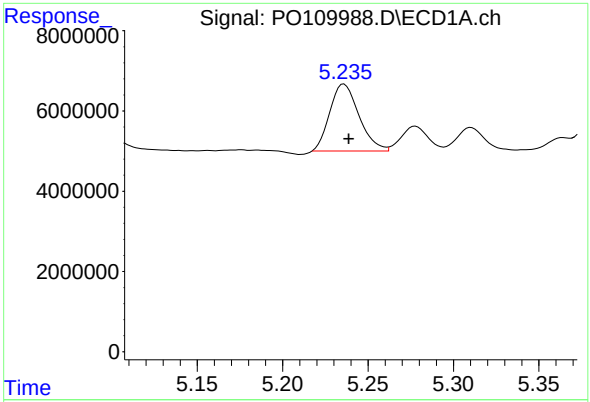
#22 AR-1248-2

R.T.: 5.021 min
Delta R.T.: -0.002 min
Response: 16385888
Conc: 54.43 ng/ml



#22 AR-1248-2

R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 9031427
Conc: 53.59 ng/ml



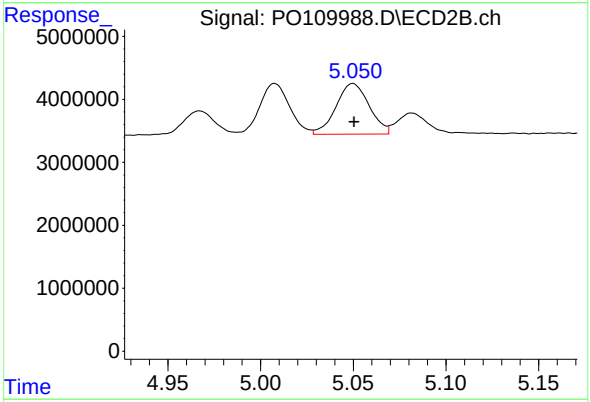
#23 AR-1248-3

R.T.: 5.235 min
Delta R.T.: -0.003 min
Response: 19860582
Conc: 53.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

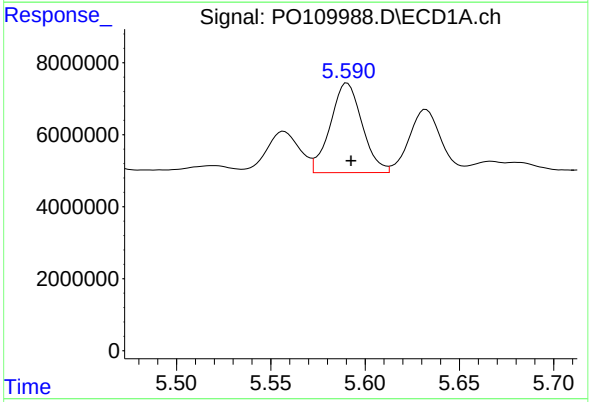
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



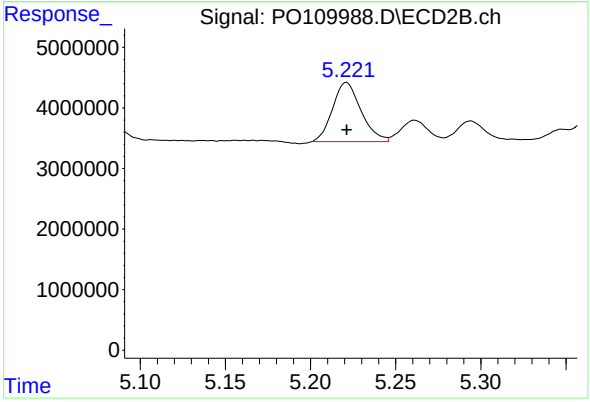
#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 10026048
Conc: 55.98 ng/ml



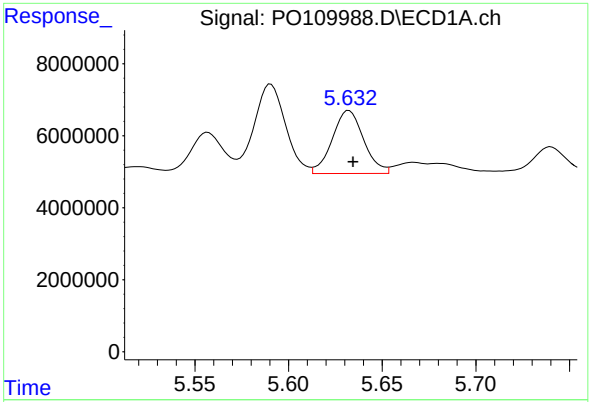
#24 AR-1248-4

R.T.: 5.591 min
Delta R.T.: -0.002 min
Response: 29227773
Conc: 55.86 ng/ml



#24 AR-1248-4

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 11398927
Conc: 54.65 ng/ml m



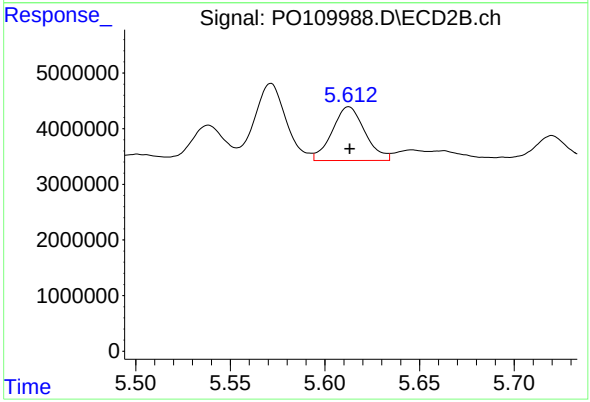
#25 AR-1248-5

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 20545156
Conc: 55.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 11669383
Conc: 57.30 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:13
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: Mar 19 01:49:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	912.4E6	520.8E6	97.196	97.394
2)	SA Decachlor...	8.744	8.694	750.7E6	219.7E6	95.415	90.831
	Target Compounds						
26)	L6 AR-1254-1	5.593	5.573	527.5E6	289.8E6	943.049	941.799
27)	L6 AR-1254-2	5.742	5.721	454.9E6	250.7E6	940.470	933.876
28)	L6 AR-1254-3	6.147	6.123	753.6E6	402.2E6	954.831	954.778
29)	L6 AR-1254-4	6.376	6.351	465.4E6	231.8E6	956.772	948.684
30)	L6 AR-1254-5	6.797	6.768	652.0E6	329.3E6	958.152	944.466

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

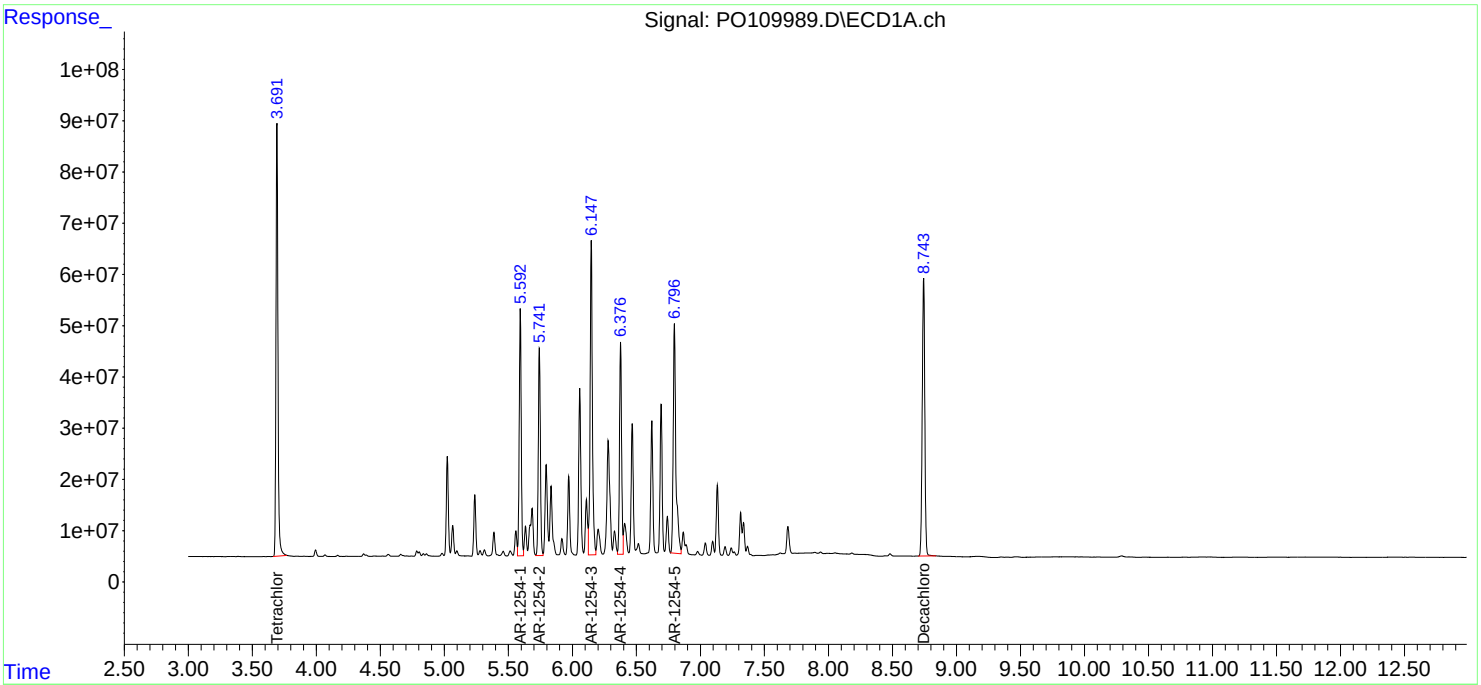
ICAL Form

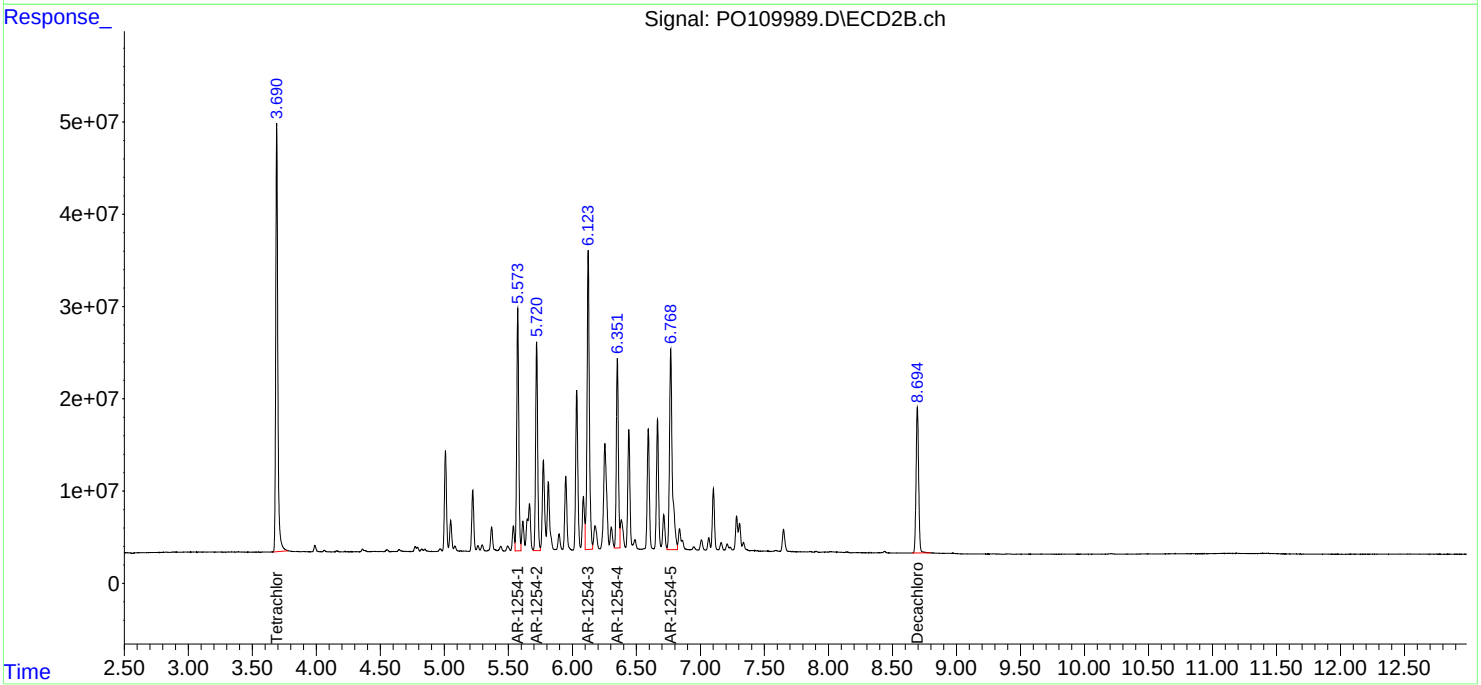
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:13
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

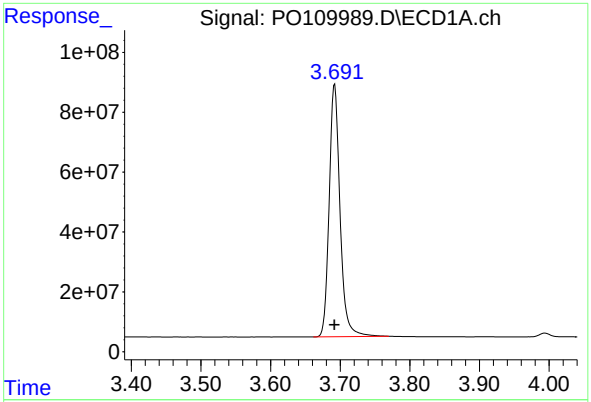
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:49:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



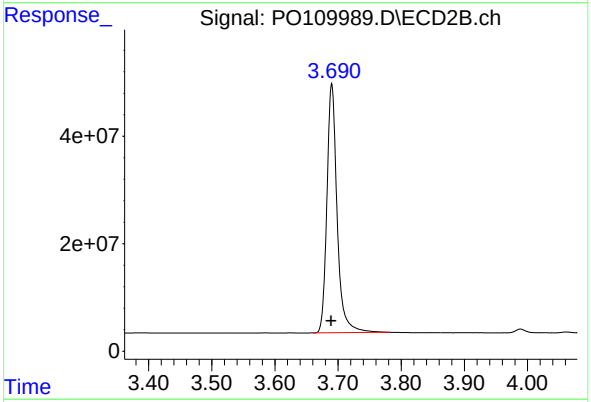




#1 Tetrachloro-m-xylene

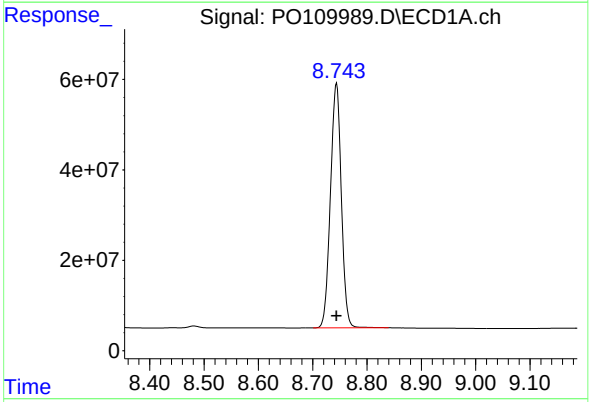
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 912401749
Conc: 97.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



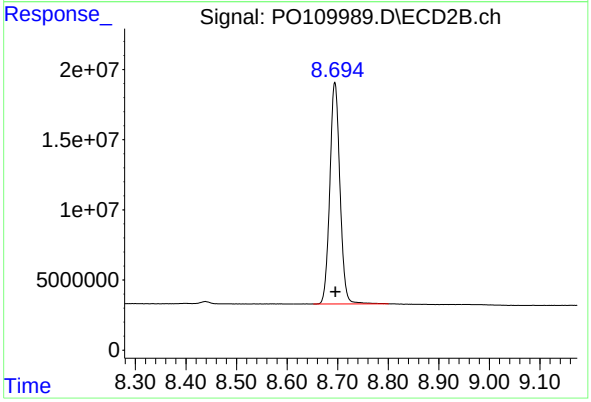
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 520755645
Conc: 97.39 ng/ml



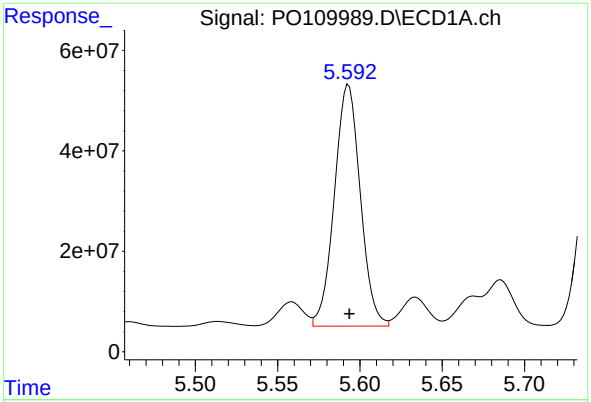
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 750657739
Conc: 95.42 ng/ml



#2 Decachlorobiphenyl

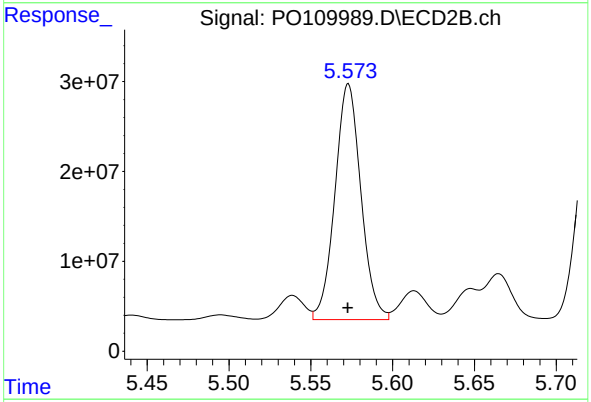
R.T.: 8.694 min
Delta R.T.: -0.001 min
Response: 219680790
Conc: 90.83 ng/ml



#26 AR-1254-1

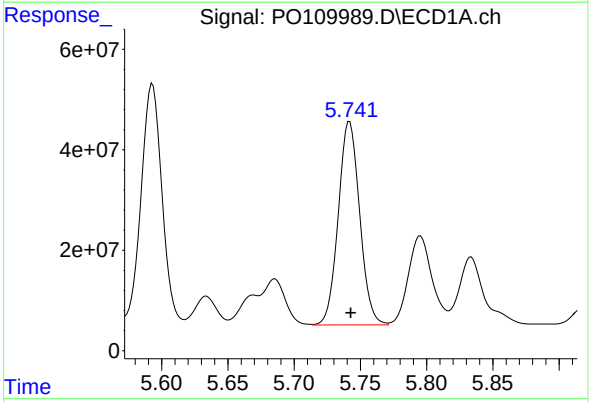
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 527461301
Conc: 943.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



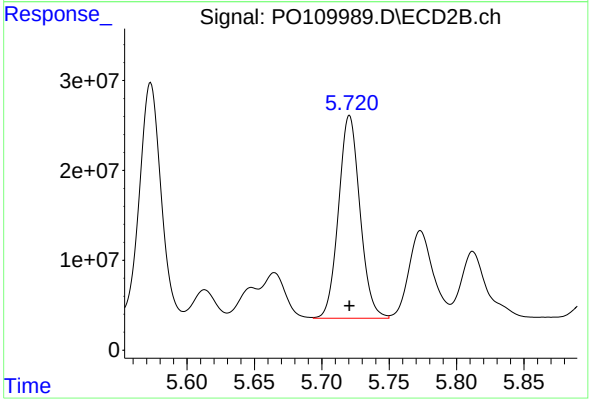
#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 289813236
Conc: 941.80 ng/ml



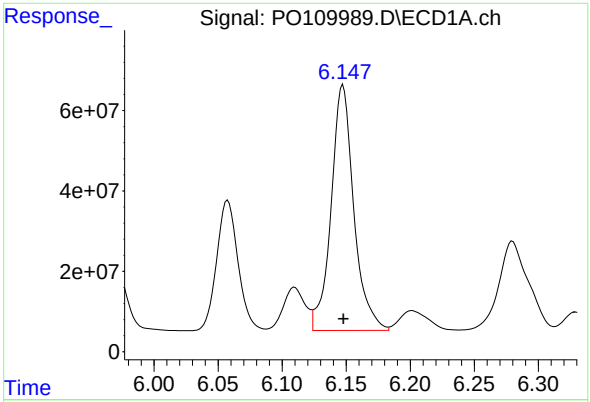
#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 454907170
Conc: 940.47 ng/ml



#27 AR-1254-2

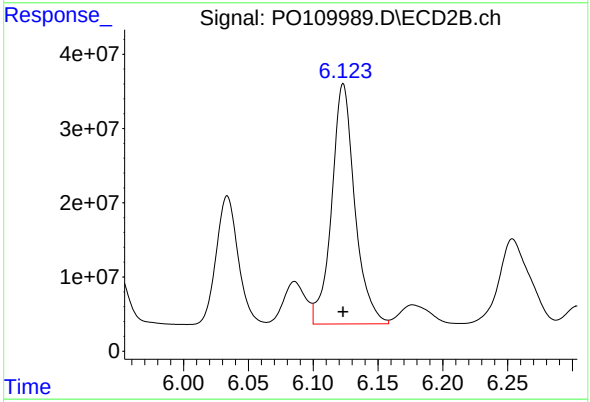
R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 250736607
Conc: 933.88 ng/ml



#28 AR-1254-3

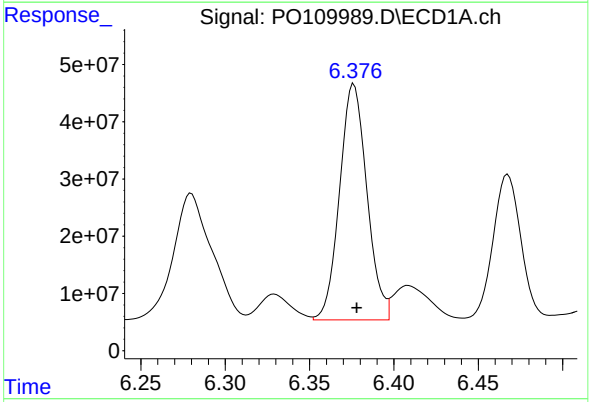
R.T.: 6.147 min
Delta R.T.: 0.000 min
Response: 753626169
Conc: 954.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



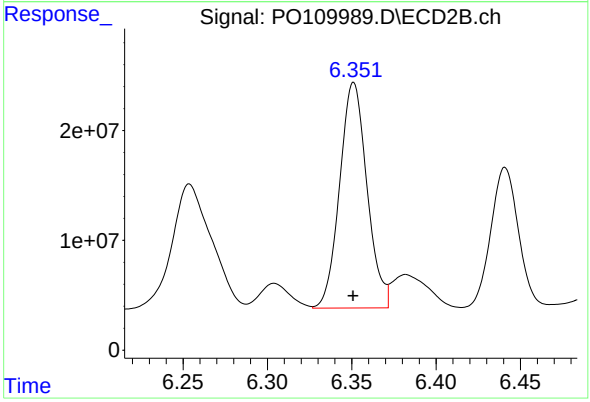
#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 402159669
Conc: 954.78 ng/ml



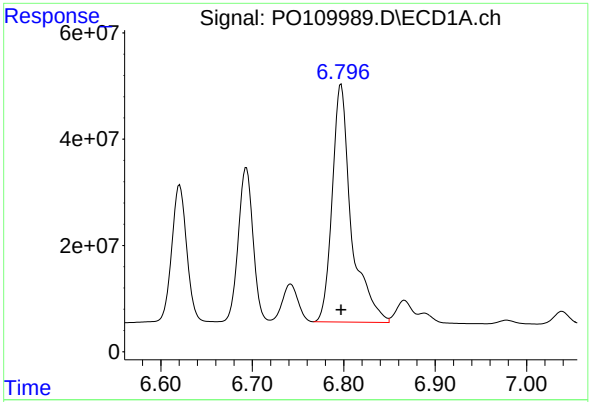
#29 AR-1254-4

R.T.: 6.376 min
Delta R.T.: -0.002 min
Response: 465418236
Conc: 956.77 ng/ml



#29 AR-1254-4

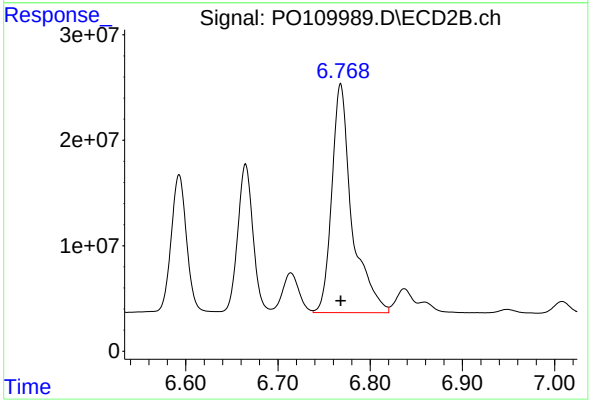
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 231846868
Conc: 948.68 ng/ml



#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 652046620
Conc: 958.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 329301884
Conc: 944.47 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:31
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: Mar 19 01:49:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.689	694.8E6	396.7E6	74.017	74.184
2)	SA Decachlor...	8.742	8.695	579.2E6	170.7E6	73.621	70.591
	Target Compounds						
26)	L6 AR-1254-1	5.593	5.572	406.4E6	224.1E6	726.602	728.104
27)	L6 AR-1254-2	5.742	5.720	351.8E6	194.7E6	727.216	725.242
28)	L6 AR-1254-3	6.148	6.122	579.5E6	310.1E6	734.225	736.114
29)	L6 AR-1254-4	6.376	6.350	358.3E6	178.4E6	736.667	729.972
30)	L6 AR-1254-5	6.796	6.768	499.8E6	253.4E6	734.486	726.842

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

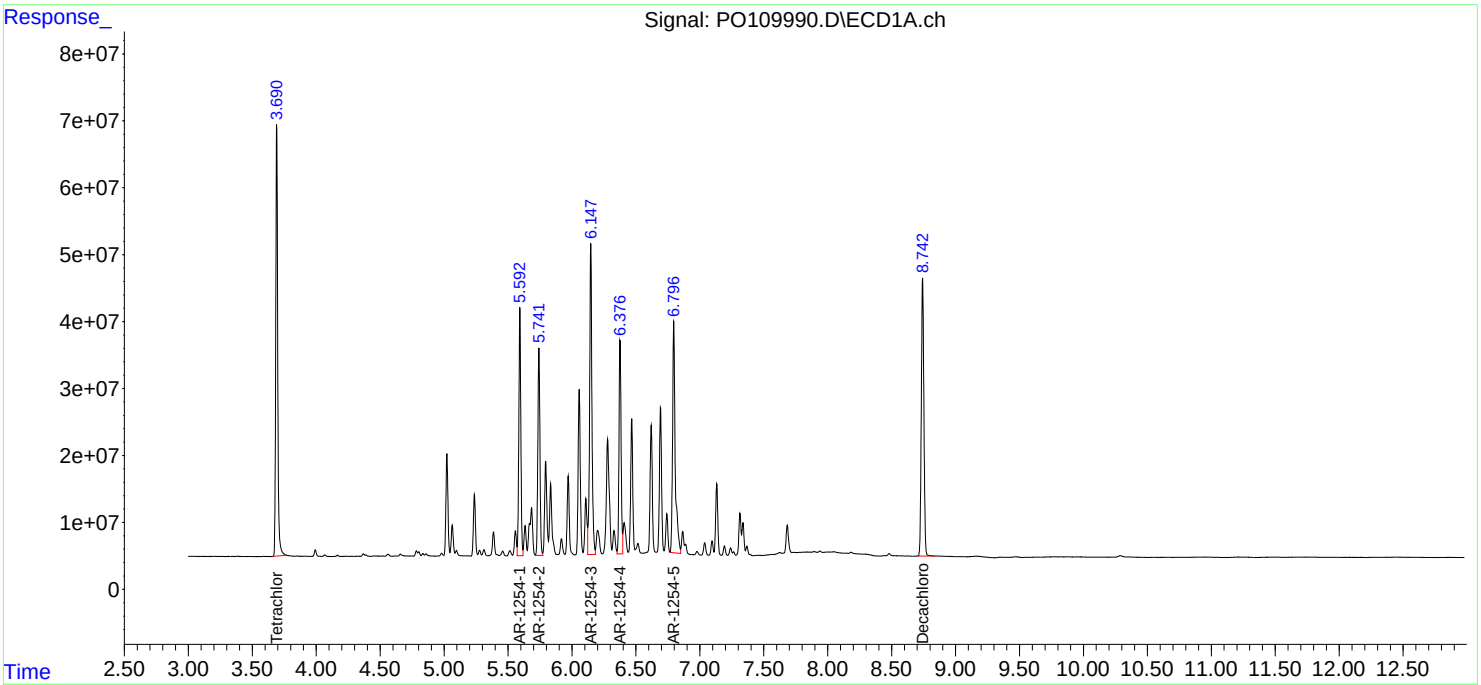
ICAL Form

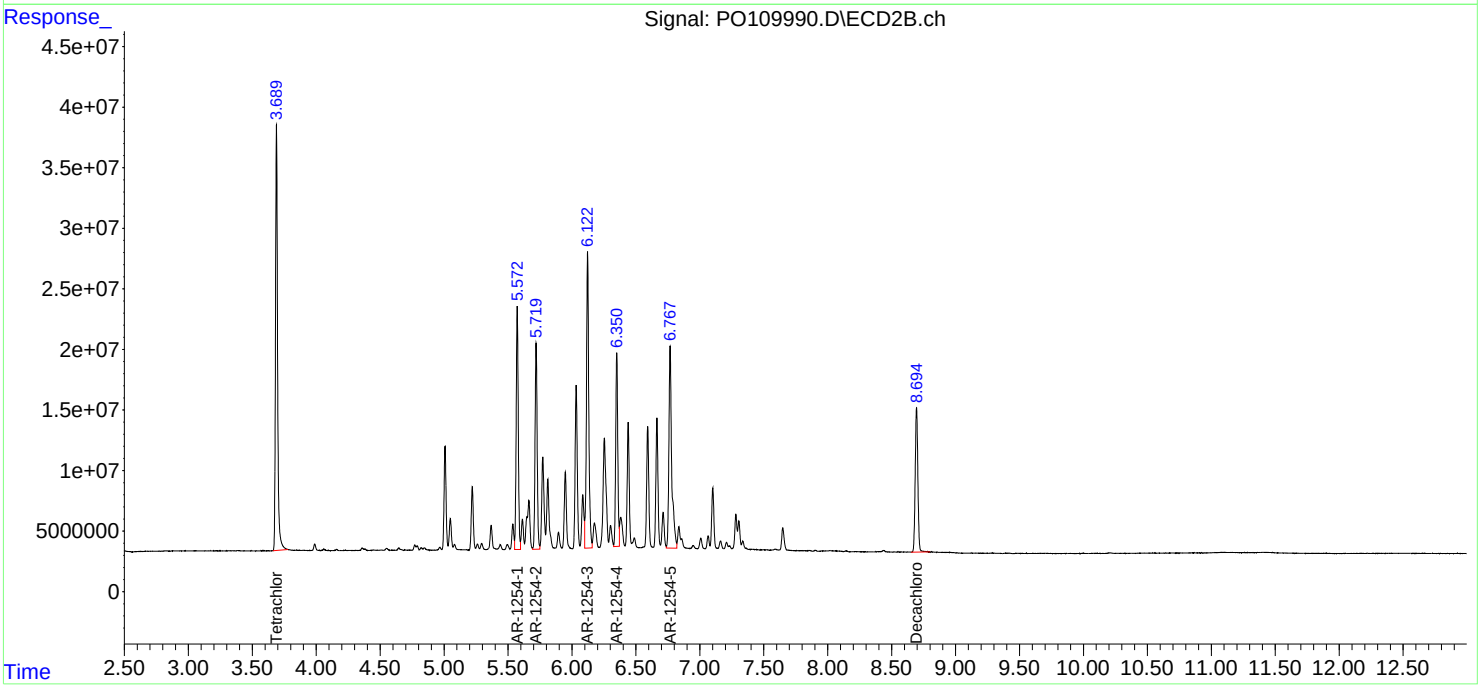
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:31
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

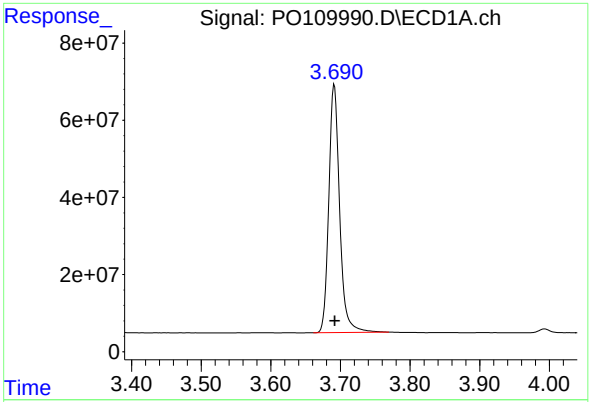
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:49:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



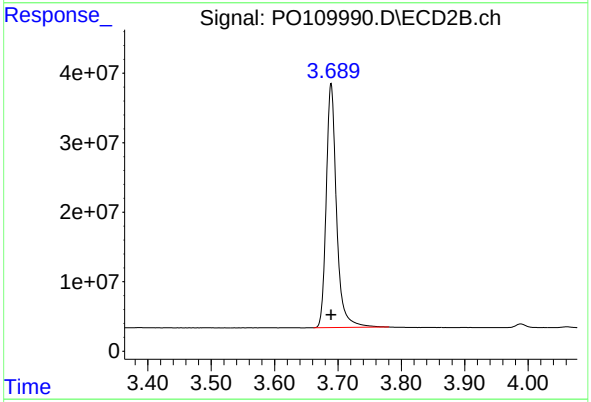




#1 Tetrachloro-m-xylene

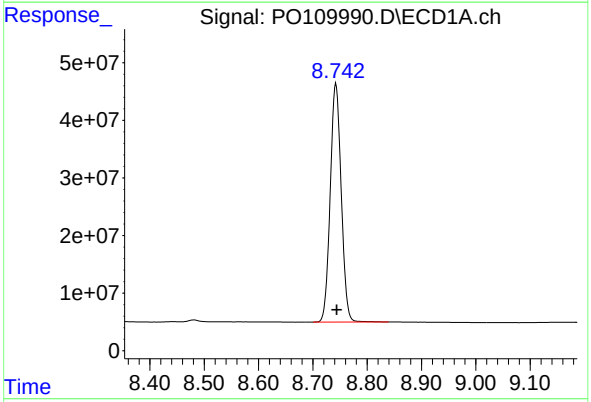
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 694816651
Conc: 74.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



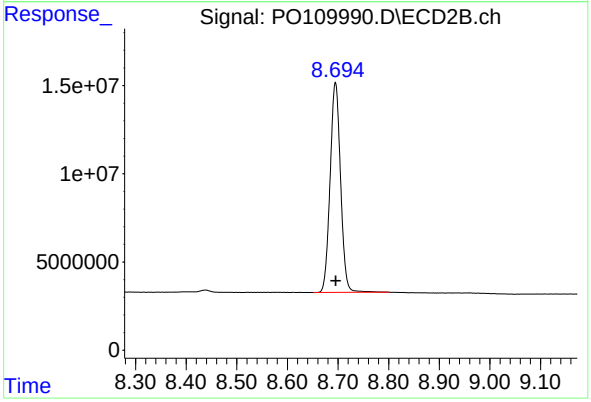
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 396654527
Conc: 74.18 ng/ml



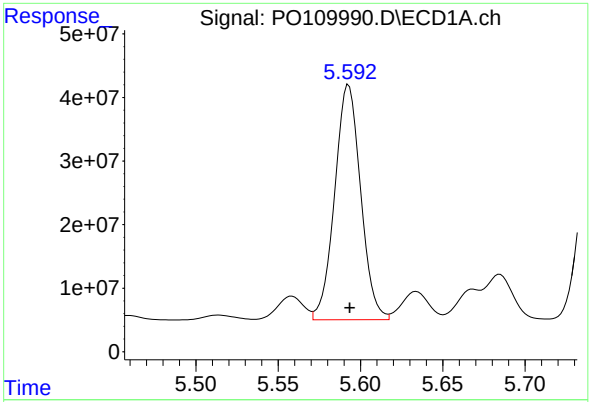
#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.001 min
Response: 579195225
Conc: 73.62 ng/ml



#2 Decachlorobiphenyl

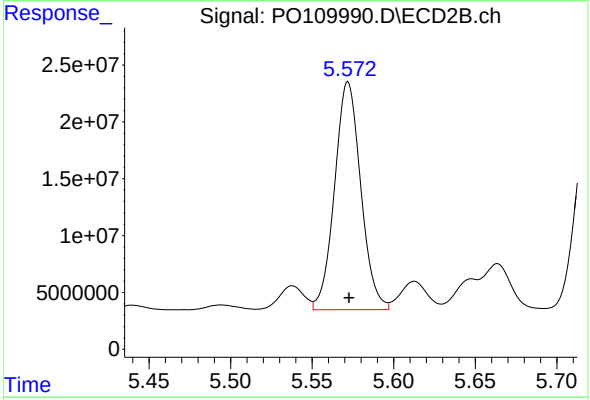
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 170728292
Conc: 70.59 ng/ml



#26 AR-1254-1

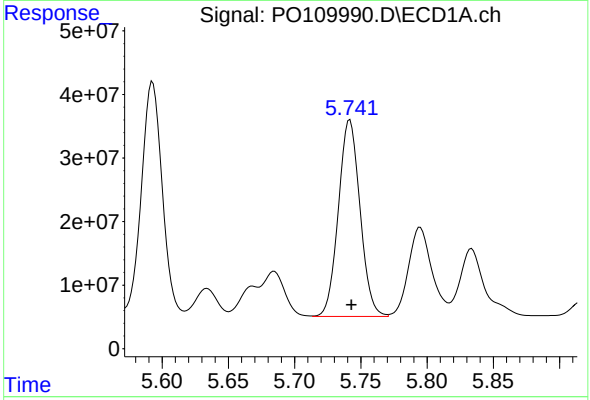
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 406399307
Conc: 726.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



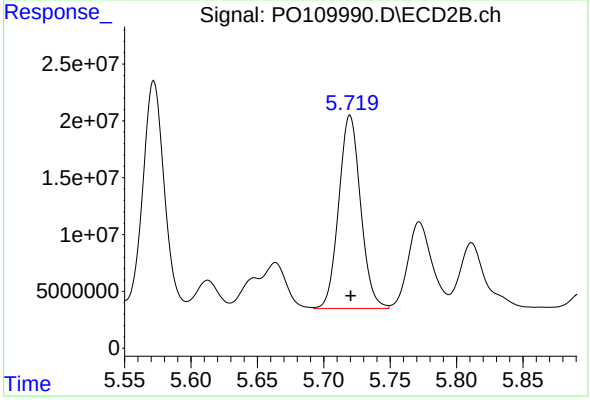
#26 AR-1254-1

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 224054374
Conc: 728.10 ng/ml



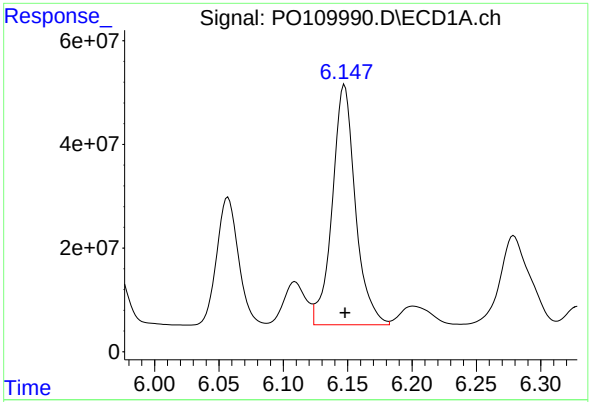
#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: -0.001 min
Response: 351755893
Conc: 727.22 ng/ml



#27 AR-1254-2

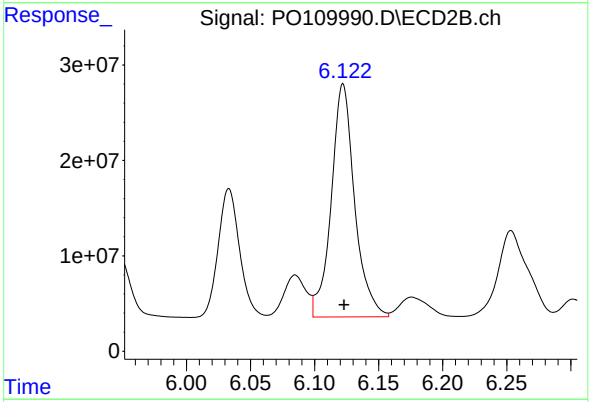
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 194720485
Conc: 725.24 ng/ml



#28 AR-1254-3

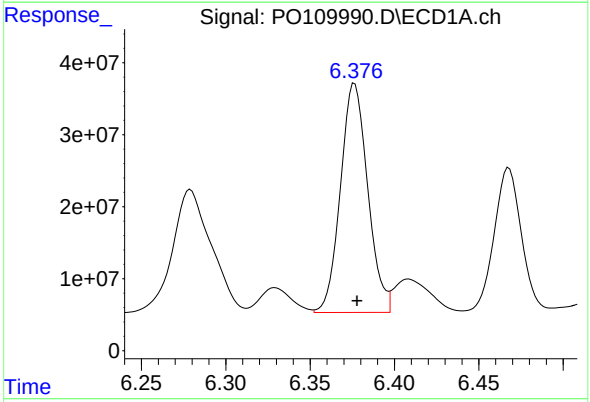
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 579506791
Conc: 734.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



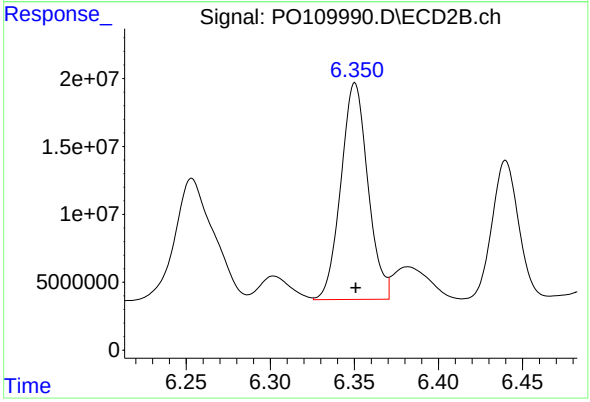
#28 AR-1254-3

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 310056844
Conc: 736.11 ng/ml



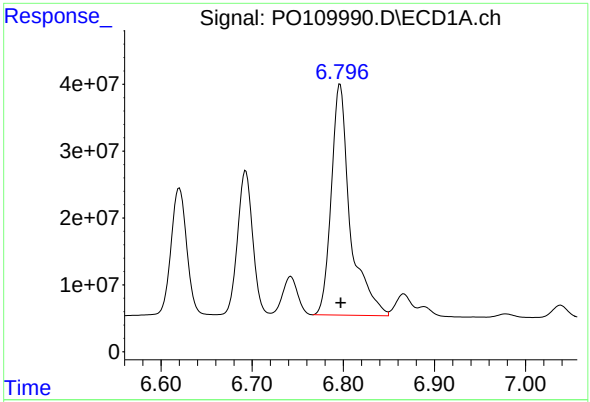
#29 AR-1254-4

R.T.: 6.376 min
Delta R.T.: -0.001 min
Response: 358349037
Conc: 736.67 ng/ml



#29 AR-1254-4

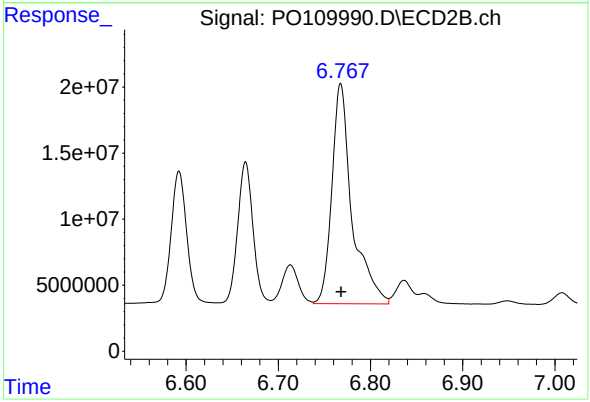
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 178396380
Conc: 729.97 ng/ml



#30 AR-1254-5

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 499835944
Conc: 734.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 253424010
Conc: 726.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:49
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: Mar 19 01:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	469.4E6	267.3E6	50.000	50.000
2)	SA Decachlor...	8.744	8.695	393.4E6	120.9E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.594	5.573	279.7E6	153.9E6	500.000	500.000
27)	L6 AR-1254-2	5.743	5.720	241.9E6	134.2E6	500.000	500.000
28)	L6 AR-1254-3	6.148	6.123	394.6E6	210.6E6	500.000	500.000
29)	L6 AR-1254-4	6.378	6.351	243.2E6	122.2E6	500.000	500.000
30)	L6 AR-1254-5	6.797	6.768	340.3E6	174.3E6	500.000	500.000

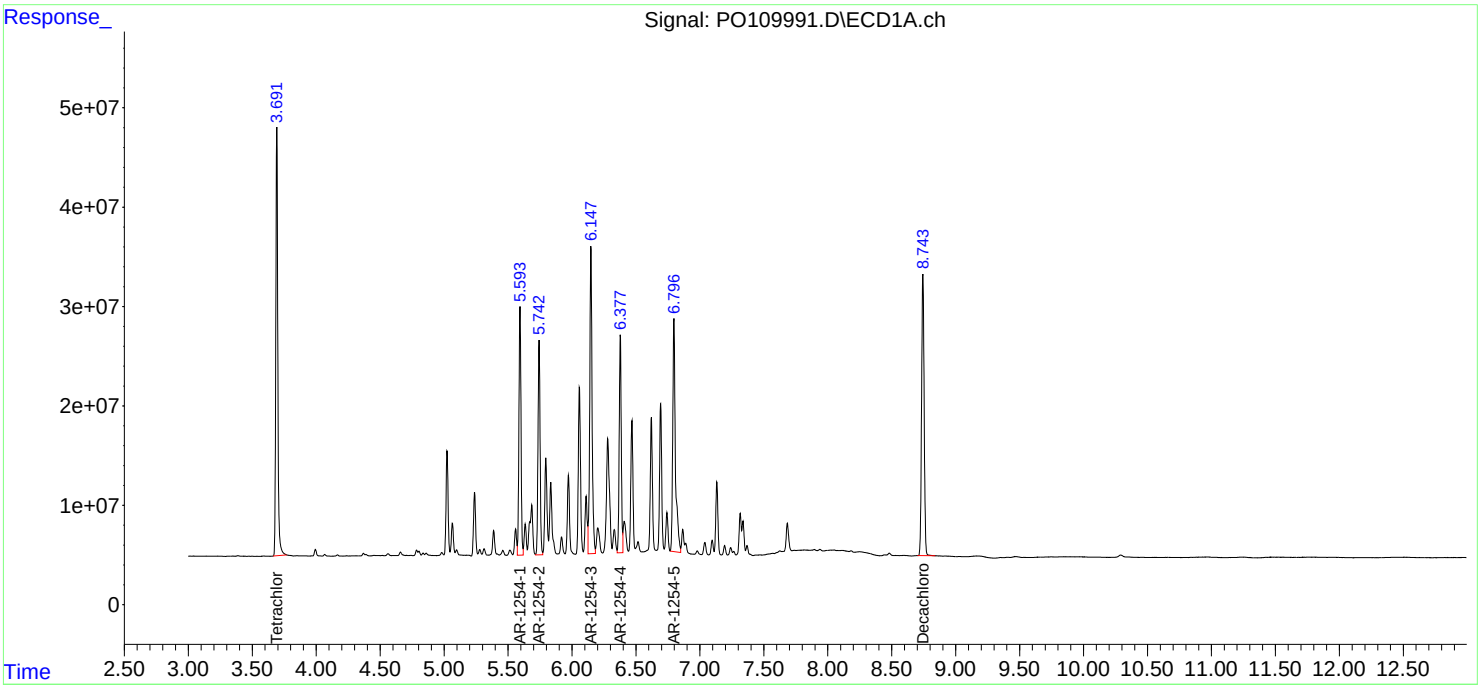
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

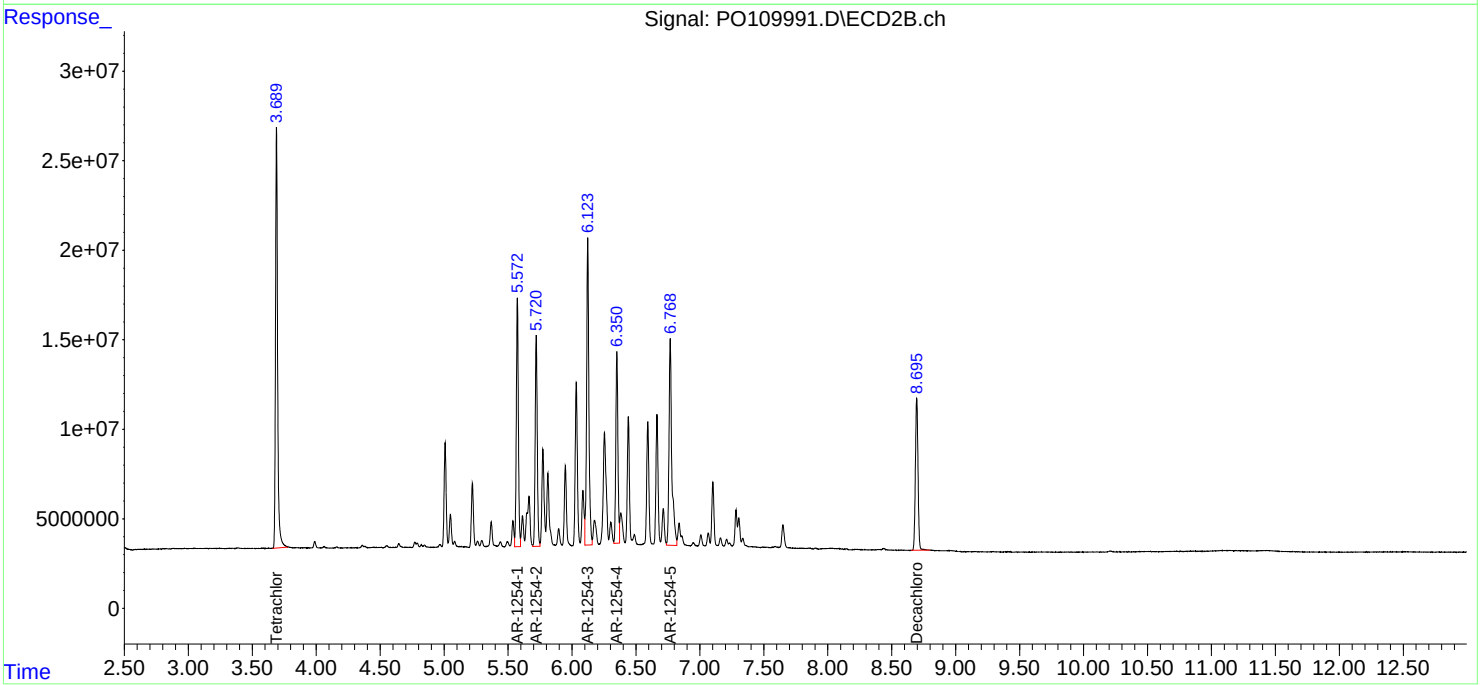
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:49
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

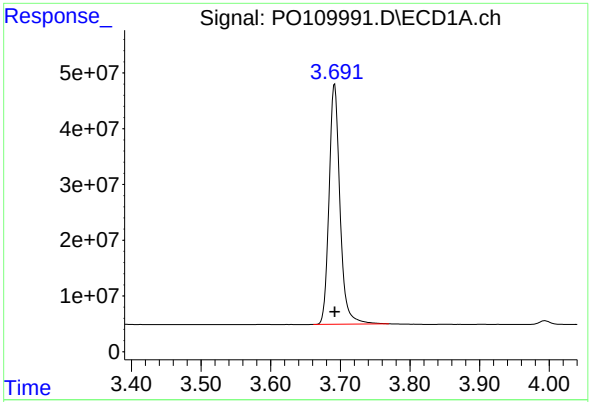
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



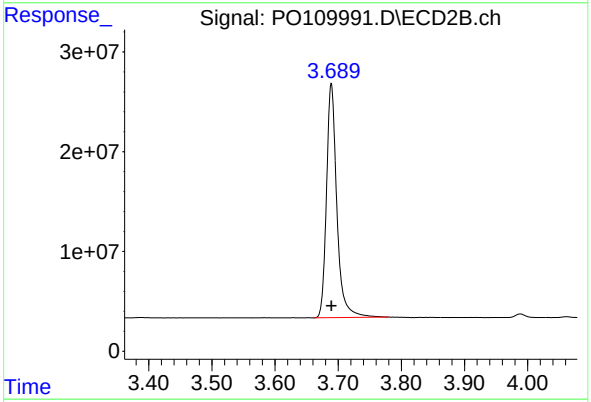




#1 Tetrachloro-m-xylene

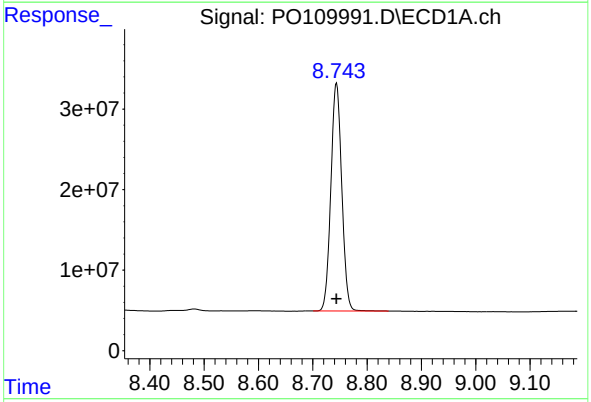
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 469362086
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



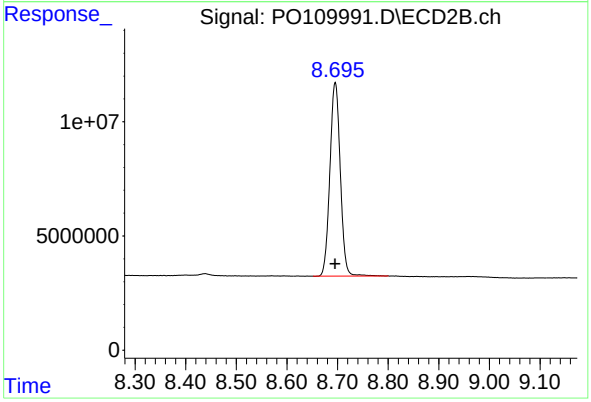
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 267345850
Conc: 50.00 ng/ml



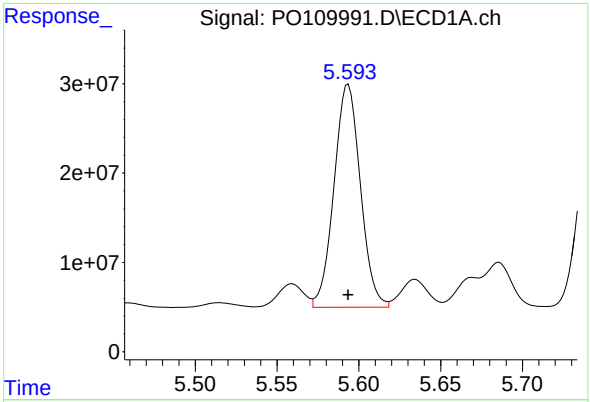
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 393362889
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

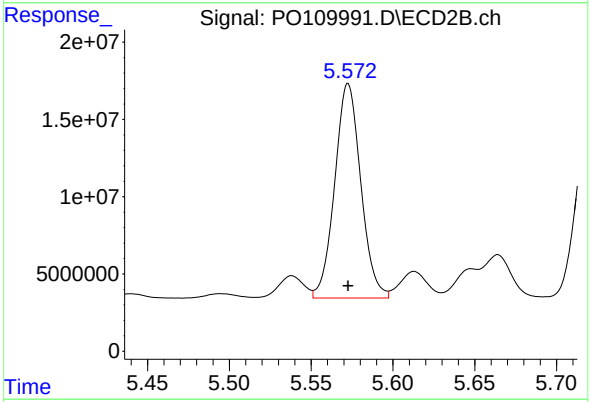
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 120928616
Conc: 50.00 ng/ml



#26 AR-1254-1

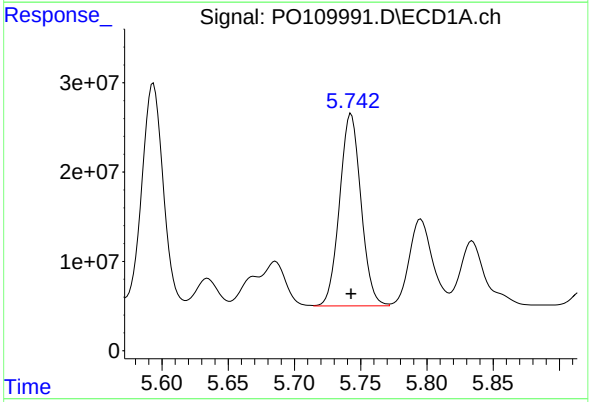
R.T.: 5.594 min
Delta R.T.: 0.000 min
Response: 279657443
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



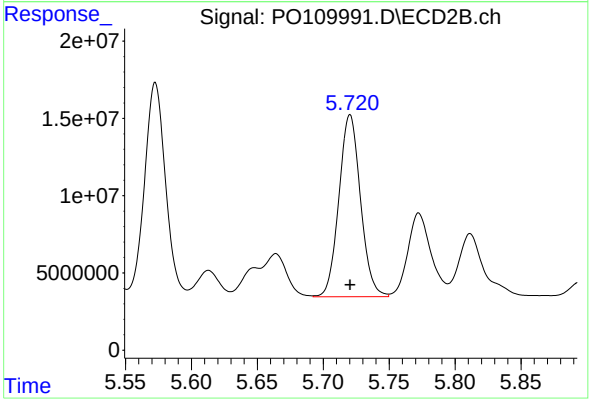
#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 153861440
Conc: 500.00 ng/ml



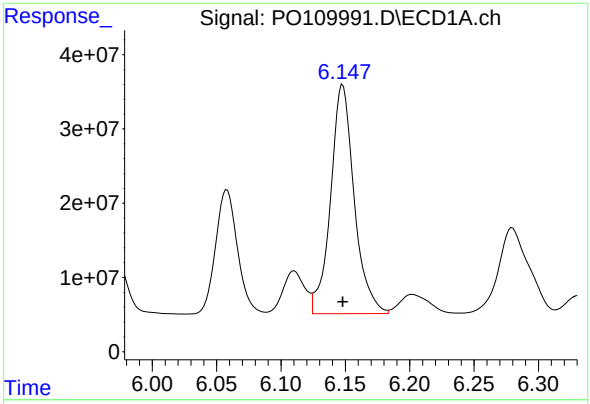
#27 AR-1254-2

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 241851007
Conc: 500.00 ng/ml



#27 AR-1254-2

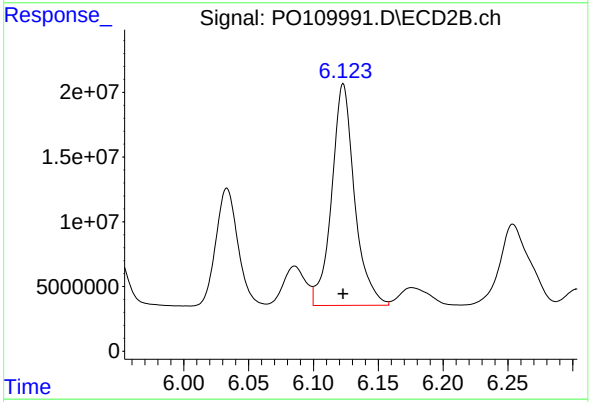
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 134245134
Conc: 500.00 ng/ml



#28 AR-1254-3

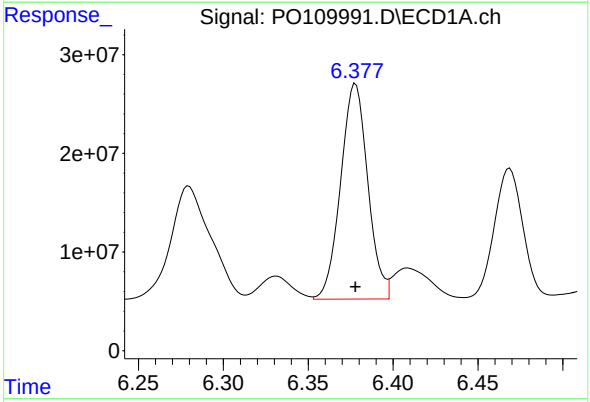
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 394638676
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



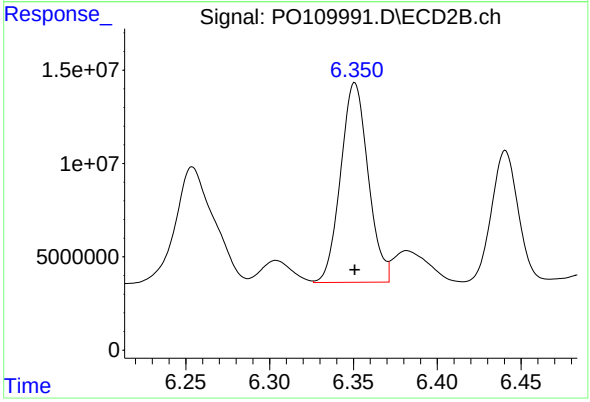
#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 210603765
Conc: 500.00 ng/ml



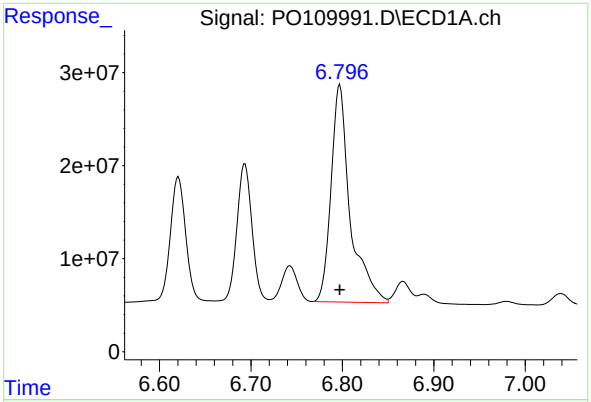
#29 AR-1254-4

R.T.: 6.378 min
Delta R.T.: 0.000 min
Response: 243223195
Conc: 500.00 ng/ml



#29 AR-1254-4

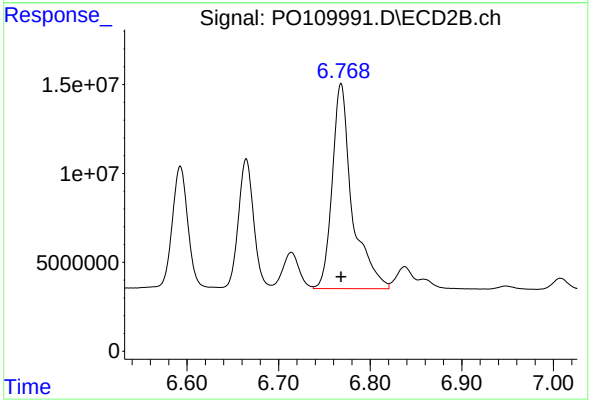
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 122193976
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 340262601
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 174332293
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:07
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: Mar 19 01:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.689	218.3E6	126.3E6	23.256	23.621
2)	SA Decachlor...	8.743	8.695	201.1E6	62915084	25.556	26.013
	Target Compounds						
26)	L6 AR-1254-1	5.592	5.572	142.8E6	78551215	255.230	255.266
27)	L6 AR-1254-2	5.741	5.720	117.7E6	67765666	243.403	252.395
28)	L6 AR-1254-3	6.146	6.123	190.0E6	103.9E6	240.780	246.647
29)	L6 AR-1254-4	6.376	6.351	124.9E6	61546138	256.767	251.838
30)	L6 AR-1254-5	6.795	6.768	170.5E6	90324740	250.587	259.059

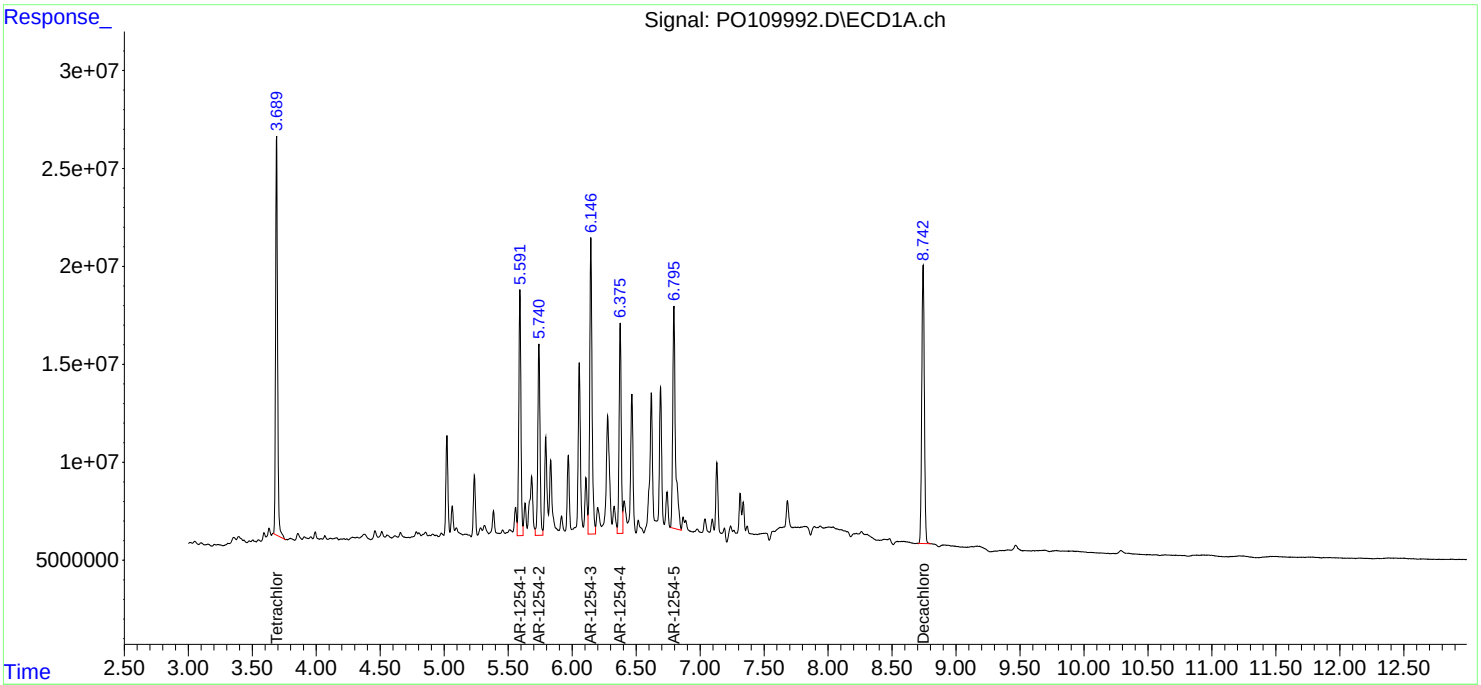
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

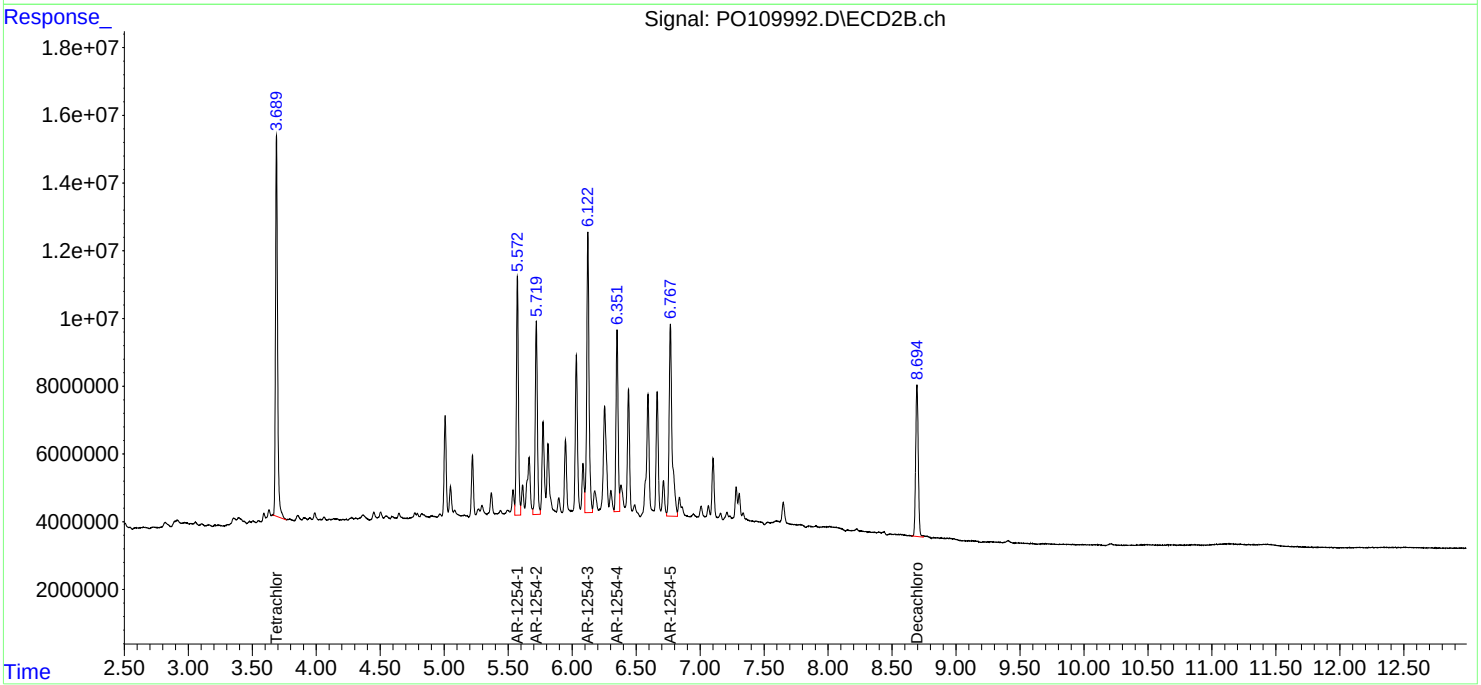
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:07
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

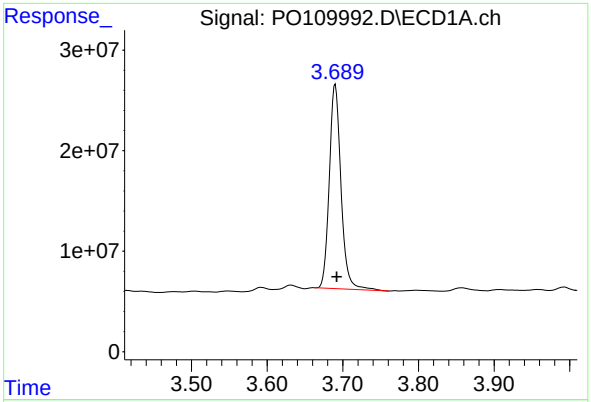
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



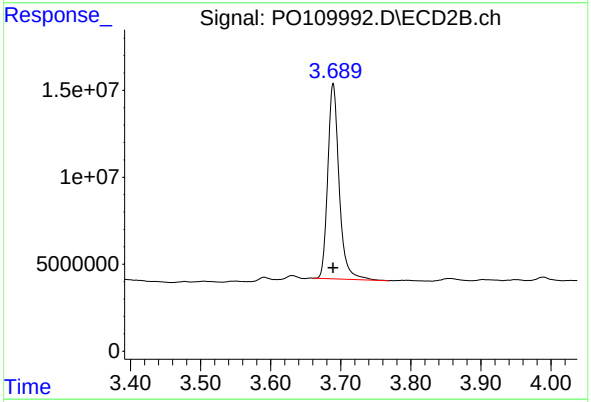




#1 Tetrachloro-m-xylene

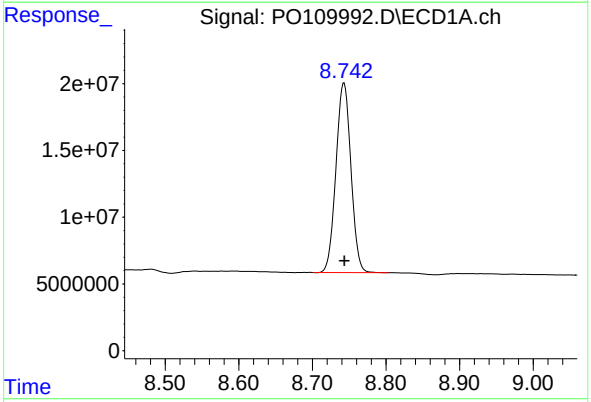
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 218311930
Conc: 23.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



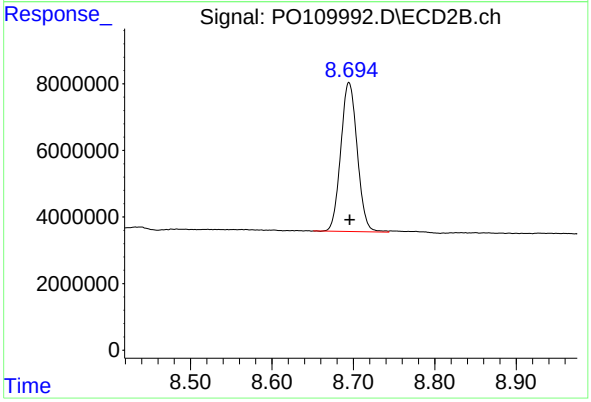
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 126298911
Conc: 23.62 ng/ml



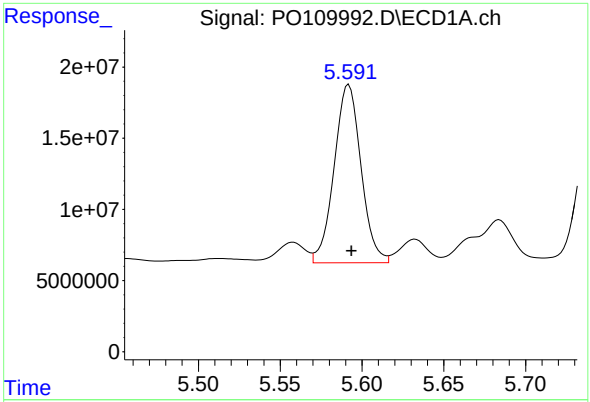
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 201053654
Conc: 25.56 ng/ml



#2 Decachlorobiphenyl

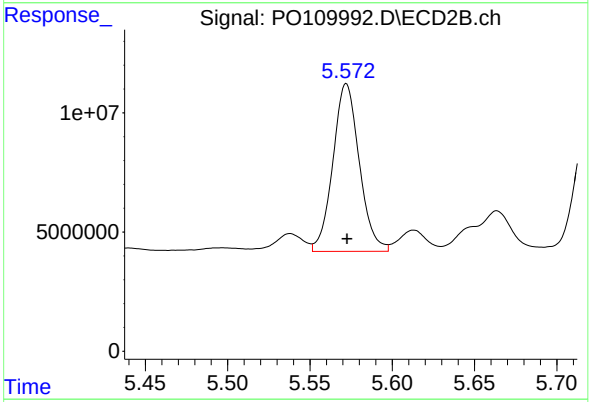
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 62915084
Conc: 26.01 ng/ml



#26 AR-1254-1

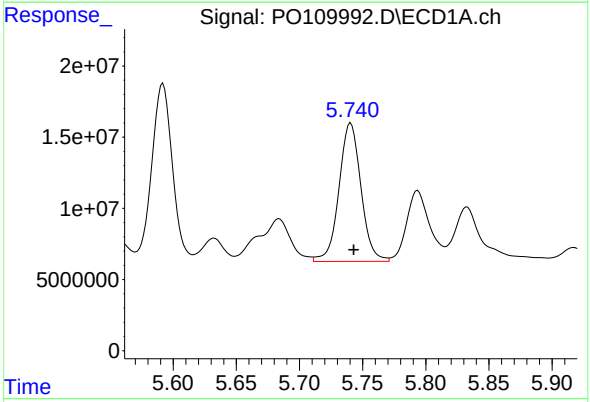
R.T.: 5.592 min
Delta R.T.: -0.002 min
Response: 142754156
Conc: 255.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



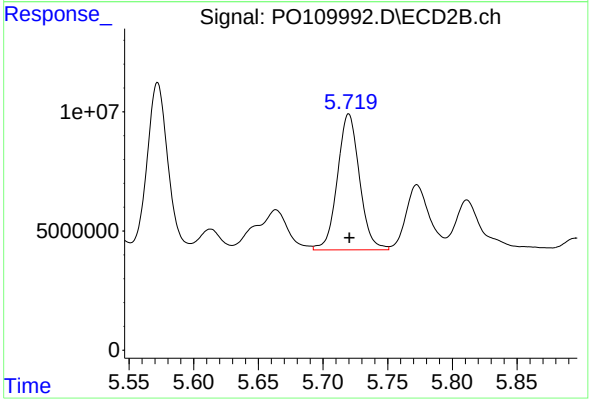
#26 AR-1254-1

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 78551215
Conc: 255.27 ng/ml



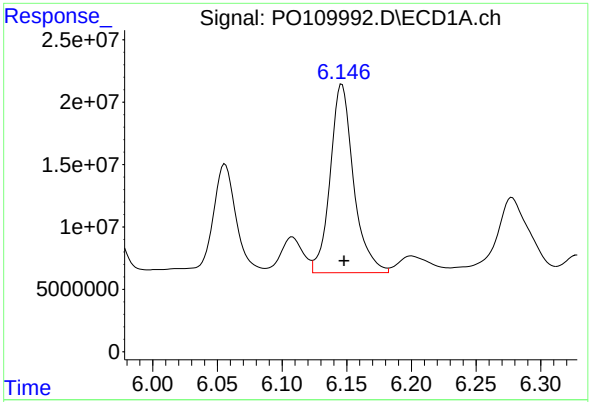
#27 AR-1254-2

R.T.: 5.741 min
Delta R.T.: -0.002 min
Response: 117734646
Conc: 243.40 ng/ml



#27 AR-1254-2

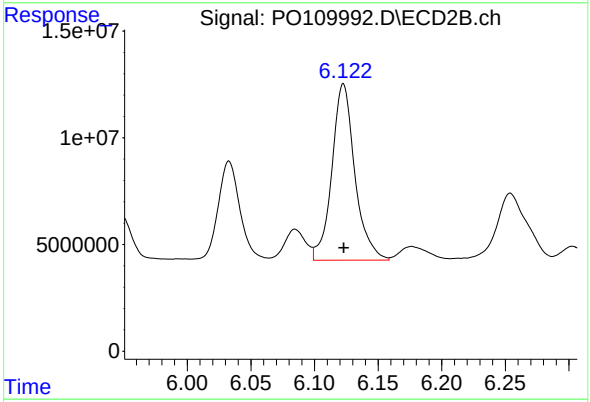
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 67765666
Conc: 252.40 ng/ml



#28 AR-1254-3

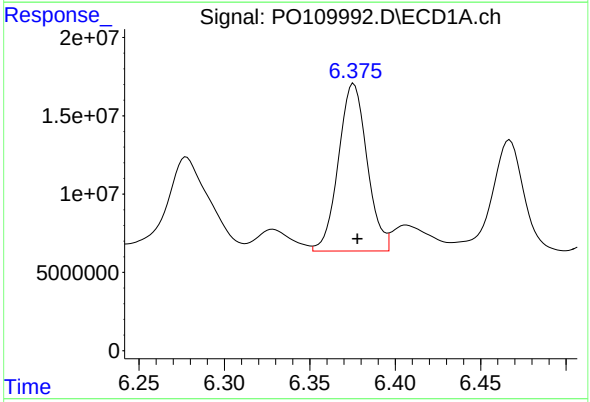
R.T.: 6.146 min
Delta R.T.: -0.002 min
Response: 190042575
Conc: 240.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



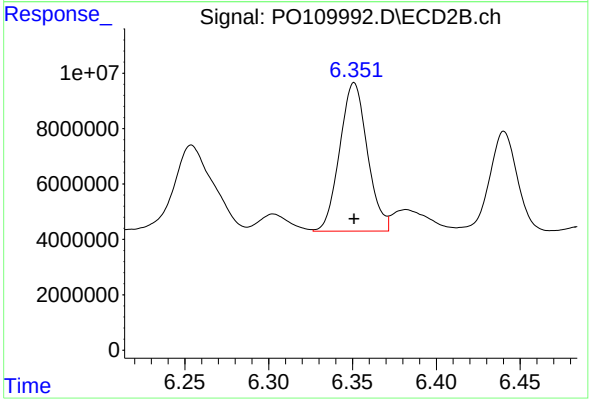
#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 103889593
Conc: 246.65 ng/ml



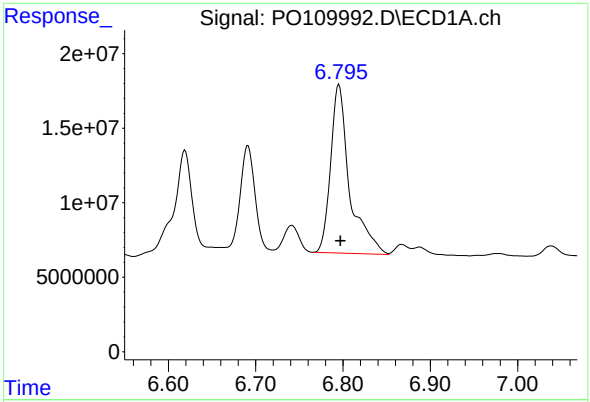
#29 AR-1254-4

R.T.: 6.376 min
Delta R.T.: -0.002 min
Response: 124903516
Conc: 256.77 ng/ml



#29 AR-1254-4

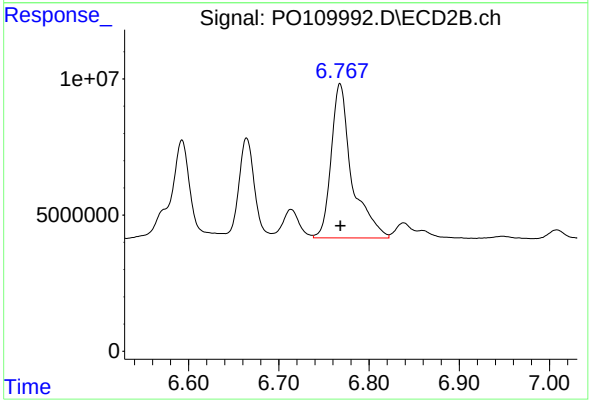
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 61546138
Conc: 251.84 ng/ml



#30 AR-1254-5

R.T.: 6.795 min
Delta R.T.: -0.002 min
Response: 170531002
Conc: 250.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 90324740
Conc: 259.06 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	43445665	25306006	4.628	4.733
2)	SA Decachlor...	8.743	8.694	41266656	13227136	5.245	5.469
	Target Compounds						
26)	L6 AR-1254-1	5.593	5.573	31329450	17649915	56.014	57.357
27)	L6 AR-1254-2	5.742	5.720	26381750	15388259	54.541	57.314
28)	L6 AR-1254-3	6.148	6.123	39484048	21241930	50.026	50.431
29)	L6 AR-1254-4	6.377	6.350	23571245	12628885	48.456	51.676
30)	L6 AR-1254-5	6.797	6.768	28479203	15116419	41.849	43.355m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

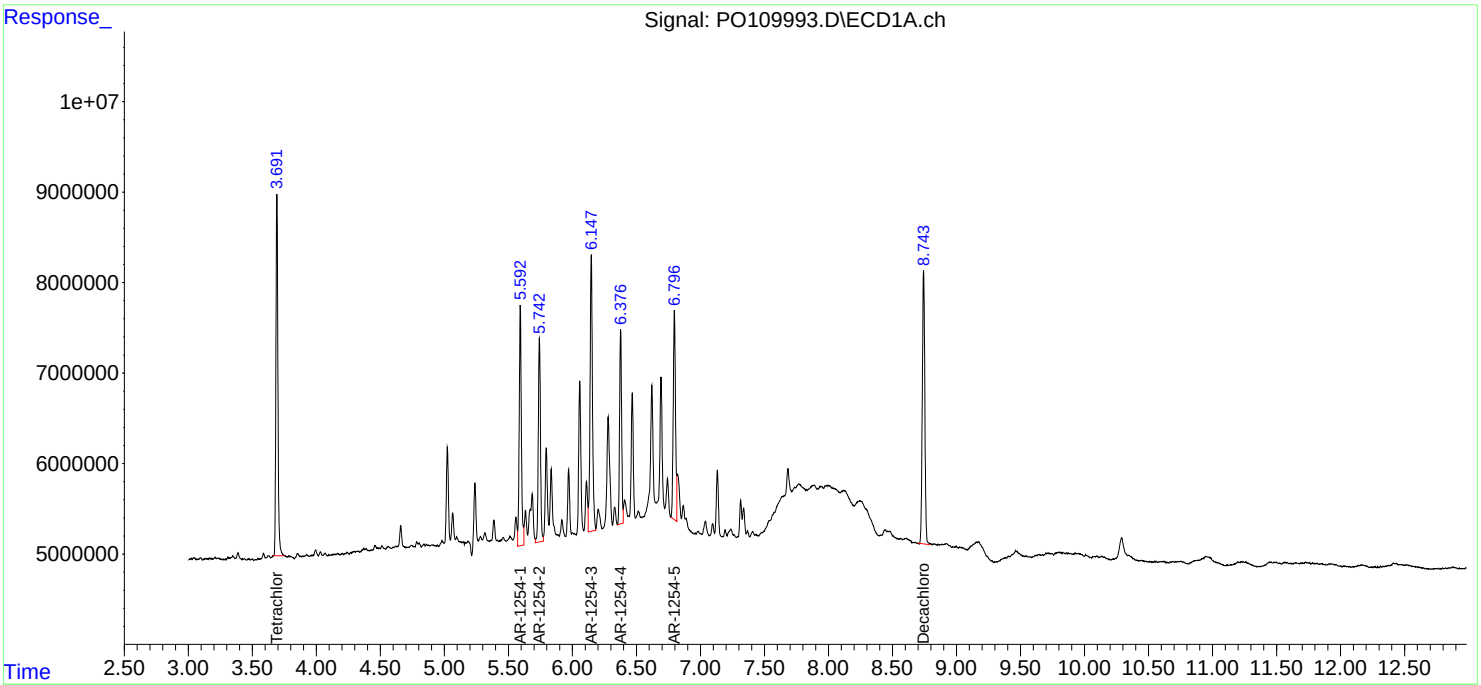
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

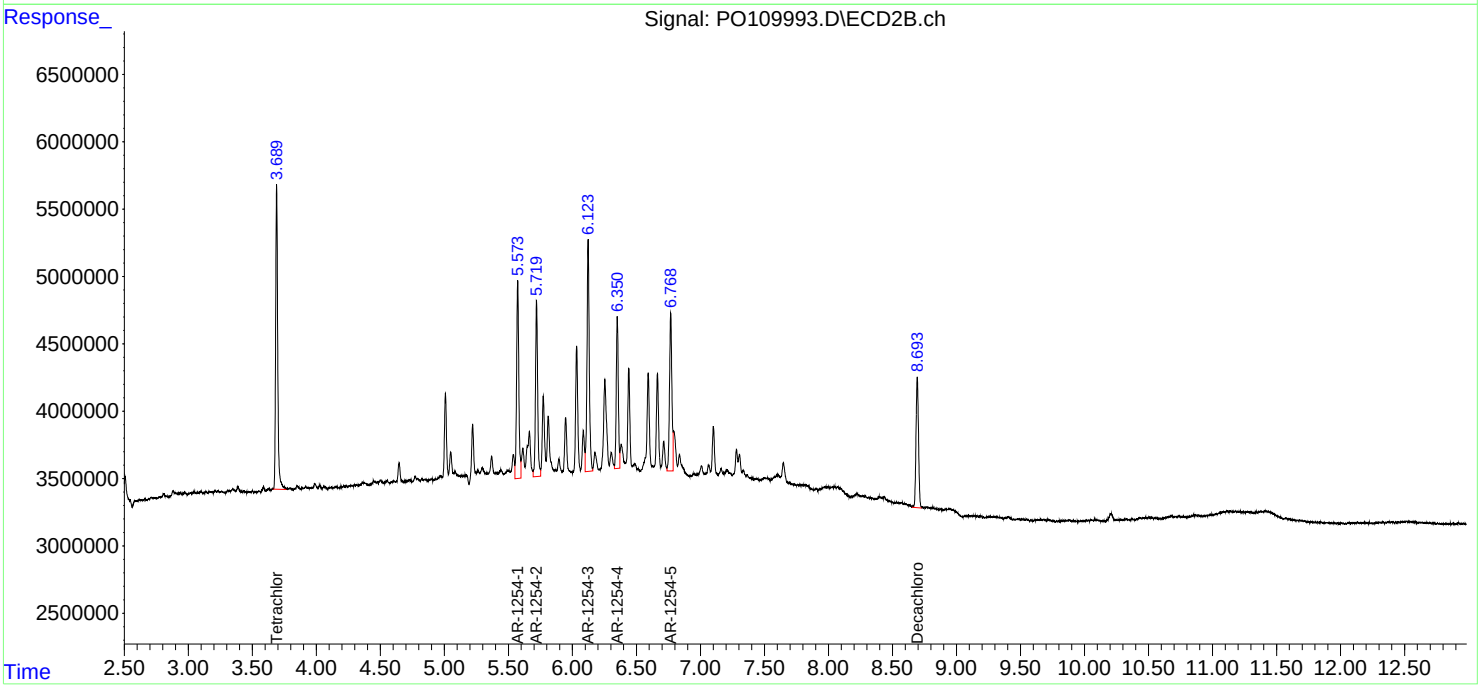
Manual Integrations APPROVED

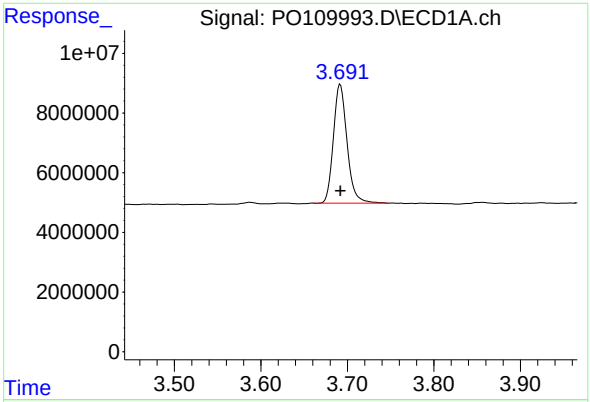
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







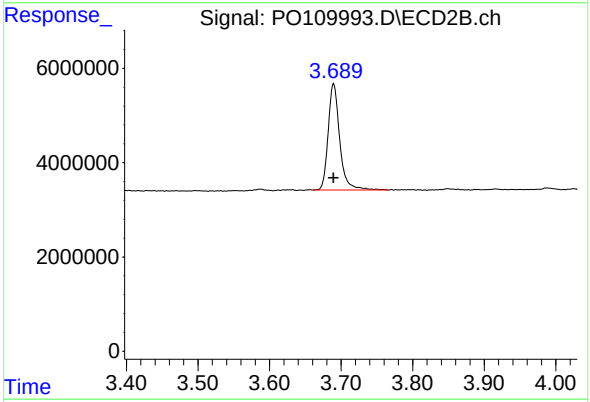
#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 43445665
Conc: 4.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

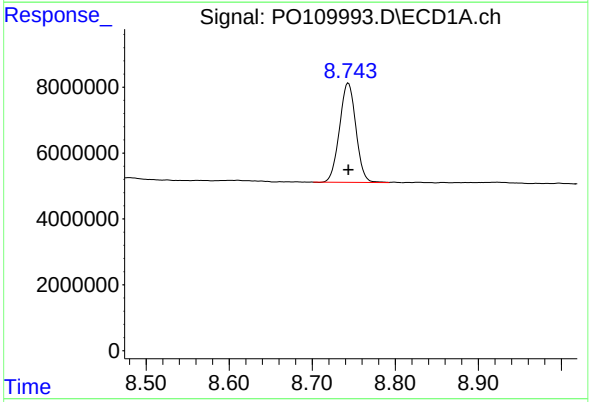
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



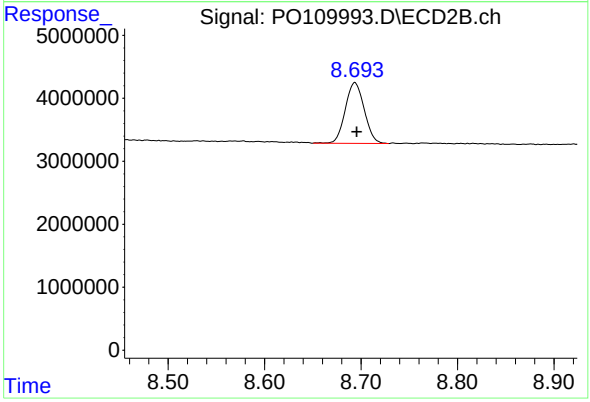
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 25306006
Conc: 4.73 ng/ml



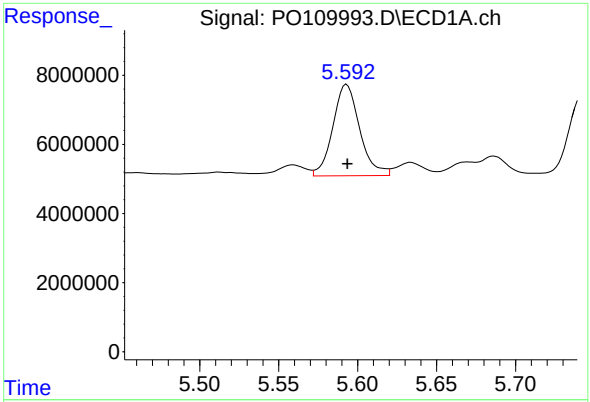
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 41266656
Conc: 5.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 13227136
Conc: 5.47 ng/ml



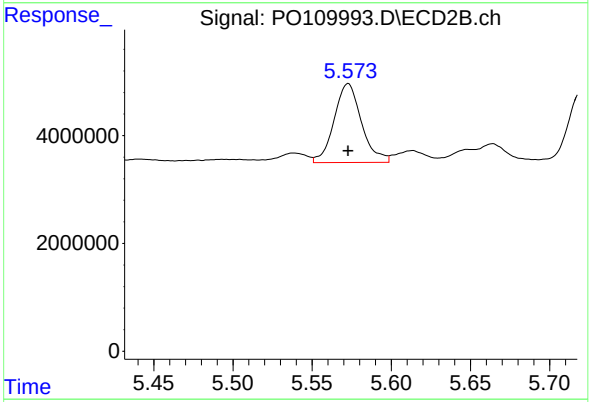
#26 AR-1254-1

R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 31329450
Conc: 56.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

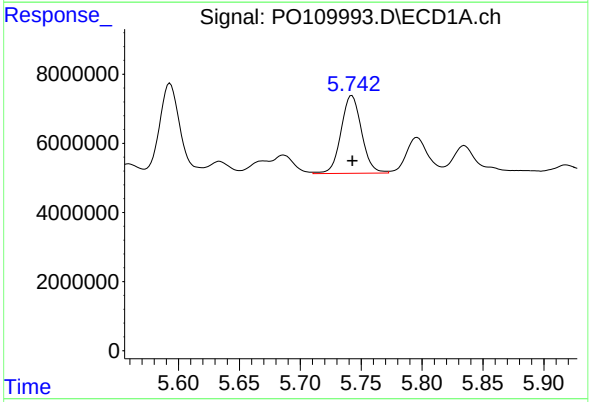
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



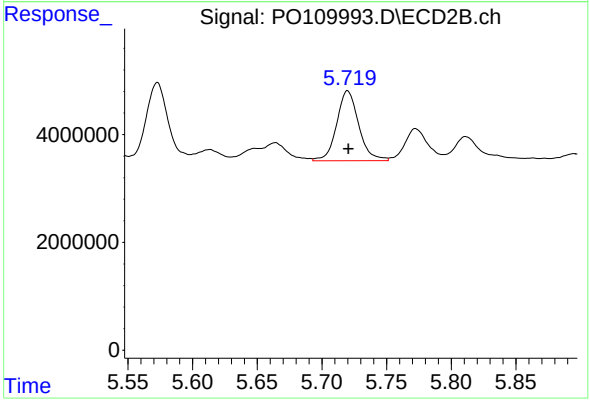
#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 17649915
Conc: 57.36 ng/ml



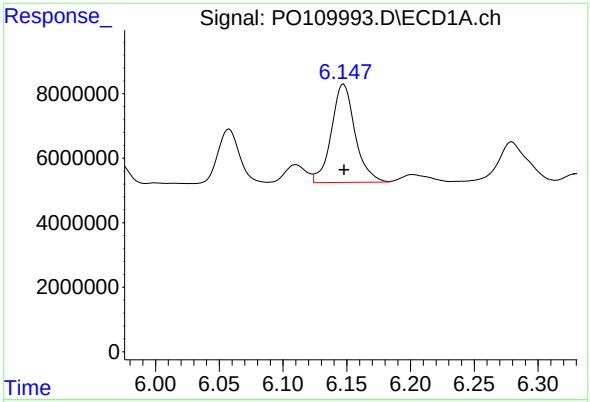
#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 26381750
Conc: 54.54 ng/ml



#27 AR-1254-2

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 15388259
Conc: 57.31 ng/ml



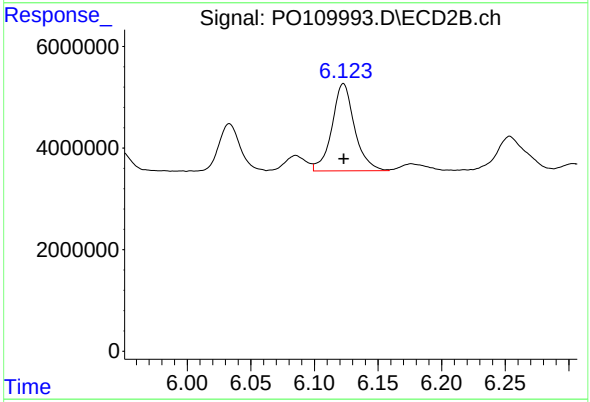
#28 AR-1254-3

R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 39484048
Conc: 50.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

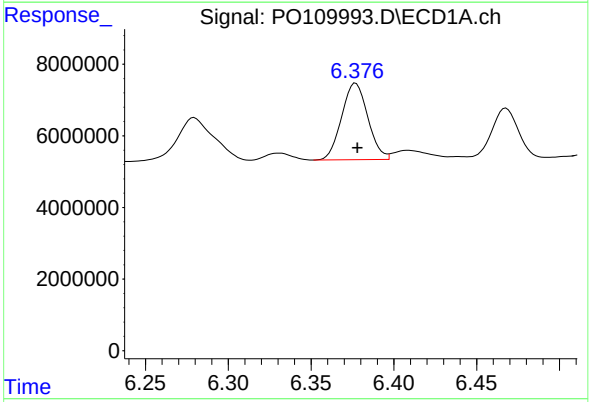
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



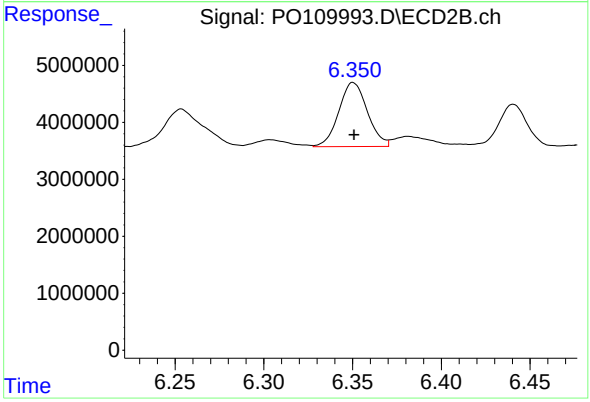
#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 21241930
Conc: 50.43 ng/ml



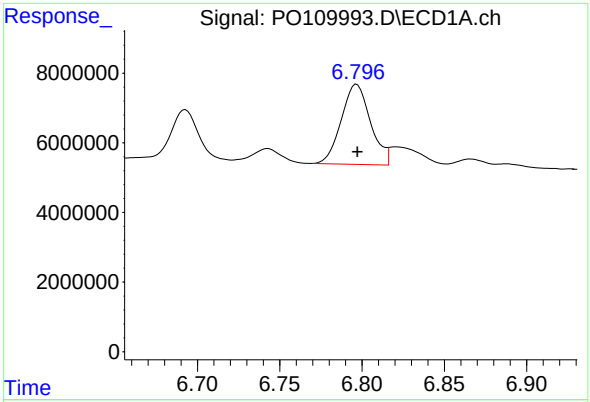
#29 AR-1254-4

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 23571245
Conc: 48.46 ng/ml



#29 AR-1254-4

R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 12628885
Conc: 51.68 ng/ml



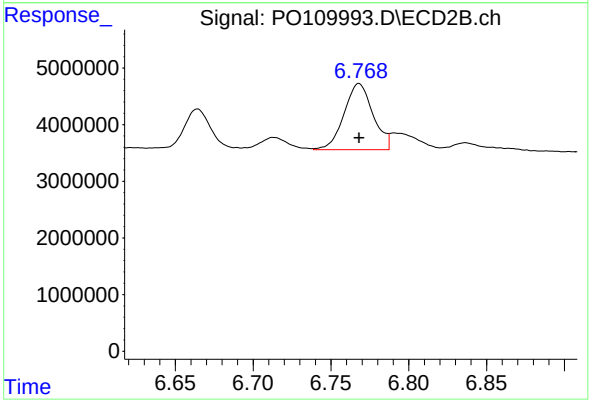
#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 28479203
Conc: 41.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 15116419
Conc: 43.36 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:43
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: Mar 19 01:59:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:59:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	443.4E6	253.7E6	50.000	50.000
2)	SA Decachlor...	8.744	8.695	383.2E6	113.8E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.836	6.807	344.1E6	172.2E6	500.000	500.000
37)	L8 AR-1262-2	7.338	7.306	596.0E6	268.6E6	500.000	500.000
38)	L8 AR-1262-3	7.623	7.590	235.3E6	97025324	500.000	500.000
39)	L8 AR-1262-4	7.687	7.654	437.3E6	180.9E6	500.000	500.000
40)	L8 AR-1262-5	8.184	8.146	197.2E6	70580972	500.000	500.000

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

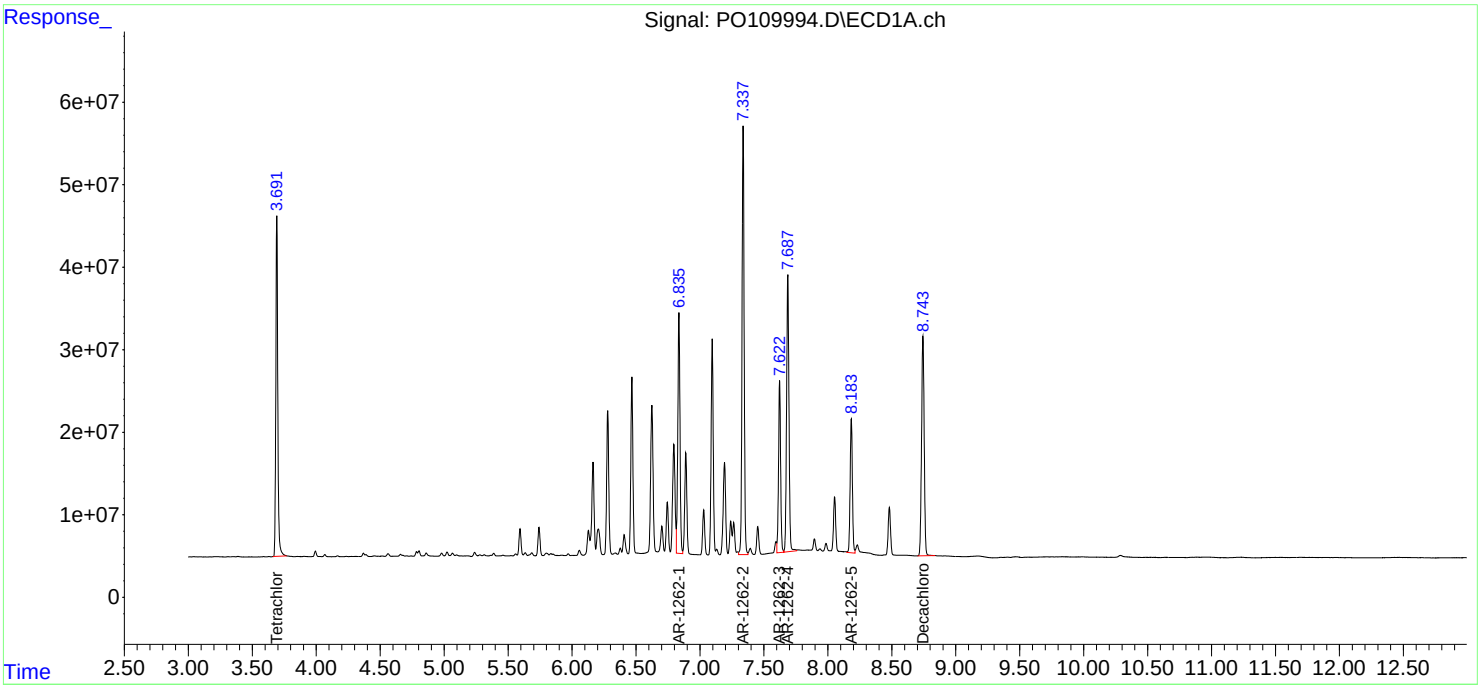
ICAL Form

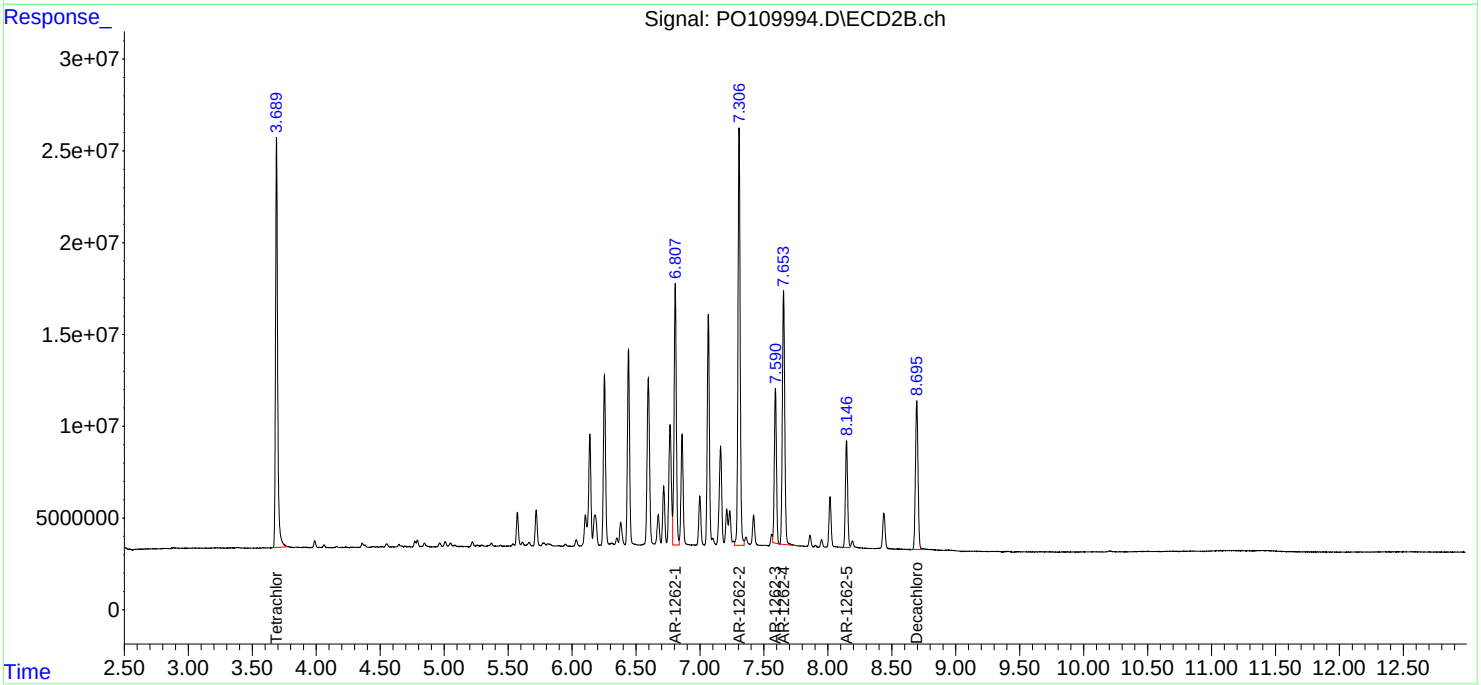
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:43
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

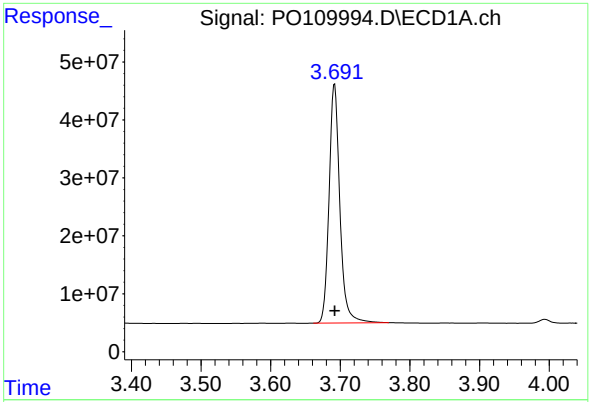
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:59:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:59:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



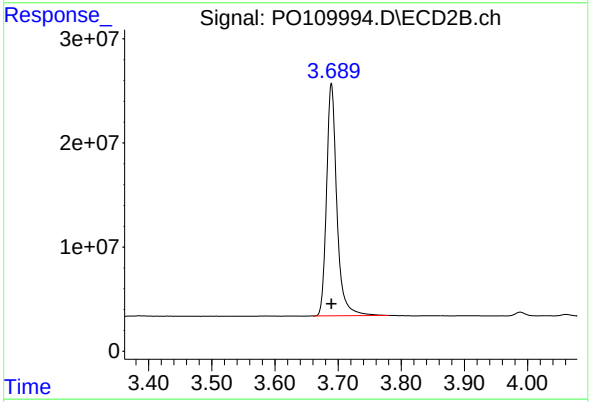




#1 Tetrachloro-m-xylene

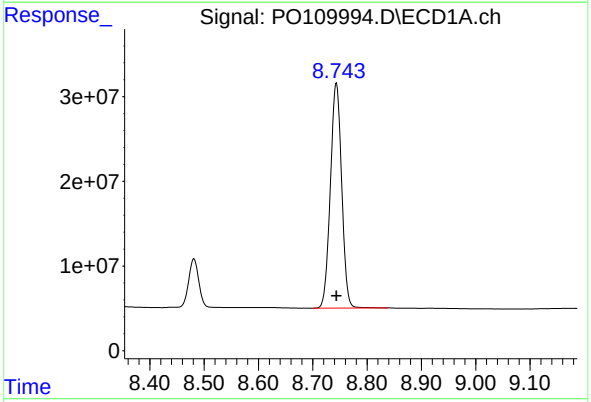
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 443392340
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



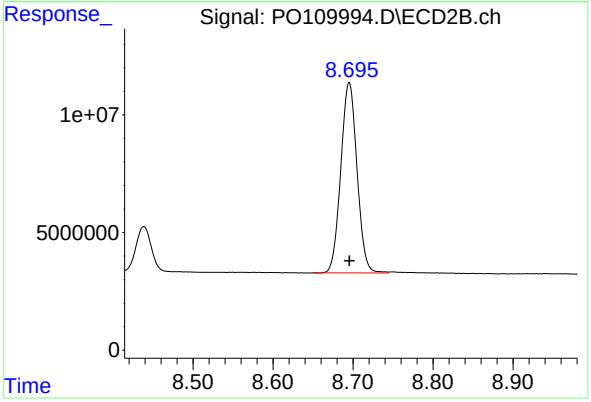
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 253657981
Conc: 50.00 ng/ml



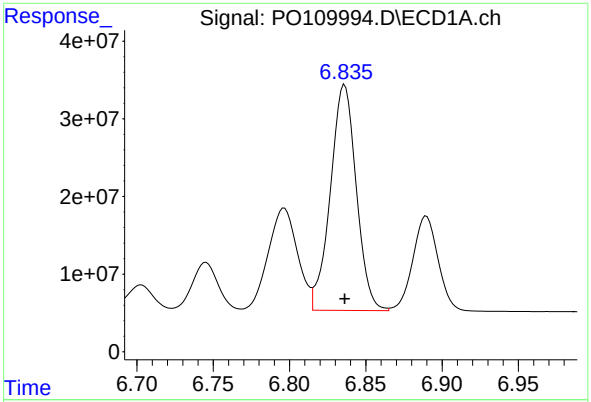
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 383169446
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

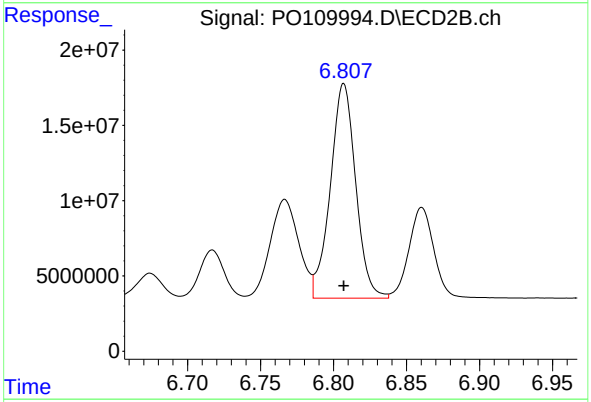
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 113848015
Conc: 50.00 ng/ml



#36 AR-1262-1

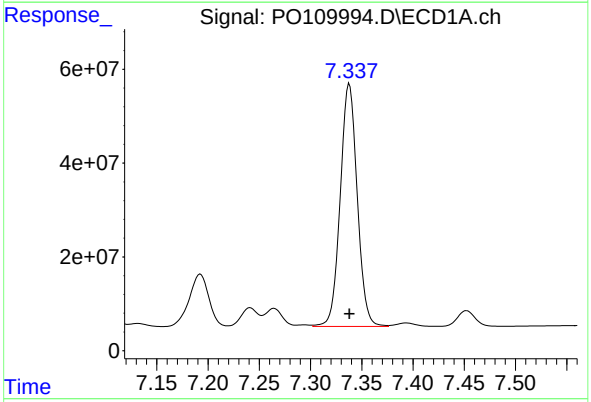
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 344060290
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



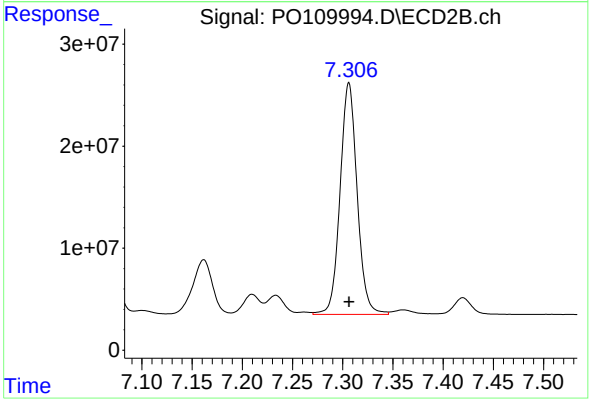
#36 AR-1262-1

R.T.: 6.807 min
Delta R.T.: 0.000 min
Response: 172156478
Conc: 500.00 ng/ml



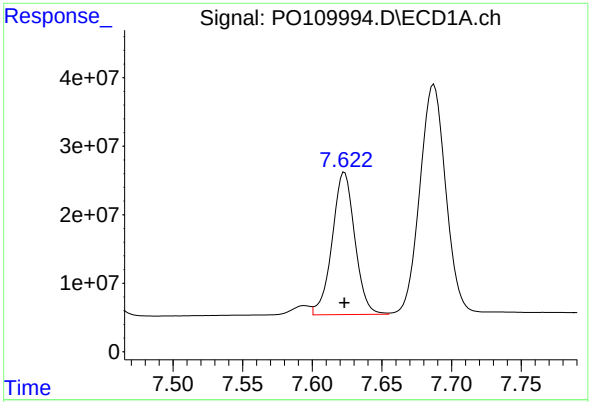
#37 AR-1262-2

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 595986678
Conc: 500.00 ng/ml



#37 AR-1262-2

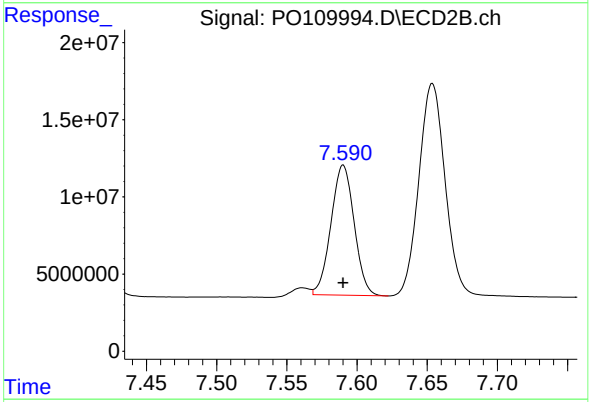
R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 268610130
Conc: 500.00 ng/ml



#38 AR-1262-3

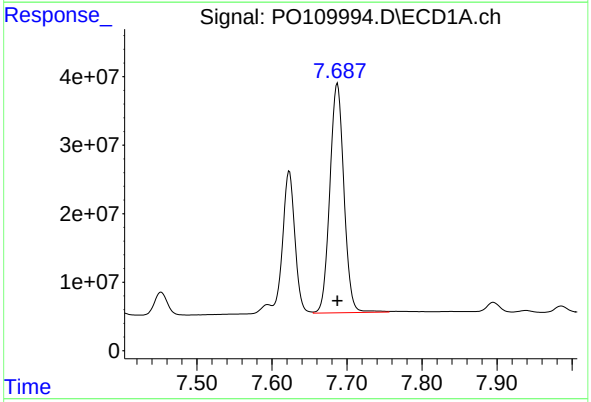
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 235314860
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



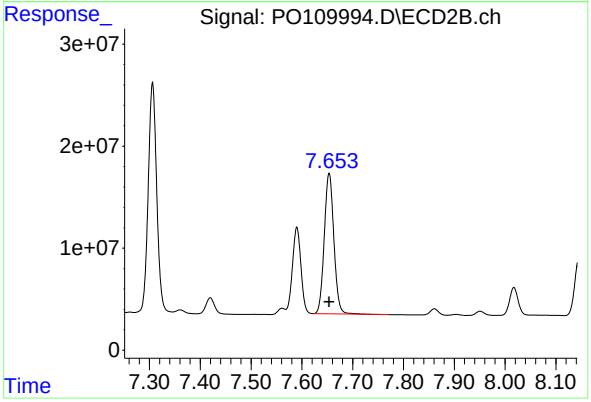
#38 AR-1262-3

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 97025324
Conc: 500.00 ng/ml



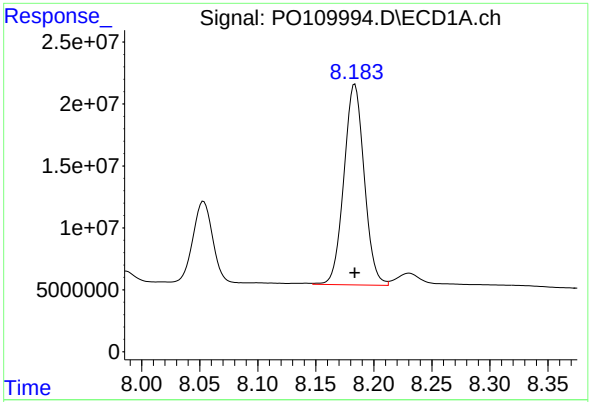
#39 AR-1262-4

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 437287698
Conc: 500.00 ng/ml



#39 AR-1262-4

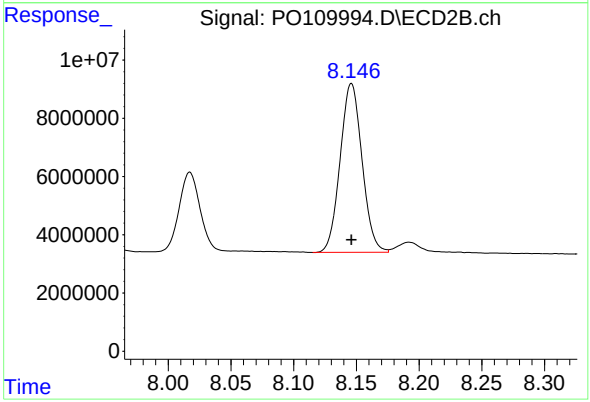
R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 180893327
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 197221208
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 70580972
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:02
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: Mar 19 02:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	901.7E6	515.8E6	97.188	97.661
2)	SA Decachlor...	8.743	8.696	1364.0E6	390.3E6	96.599	94.170
	Target Compounds						
41)	L9 AR-1268-1	7.623	7.590	1369.8E6	560.8E6	976.135	969.827
42)	L9 AR-1268-2	7.688	7.655	1266.3E6	519.2E6	989.578	974.786
43)	L9 AR-1268-3	7.896	7.862	1019.7E6	397.6E6	981.758	963.023
44)	L9 AR-1268-4	8.183	8.147	432.7E6	153.8E6	967.005	949.196
45)	L9 AR-1268-5	8.481	8.440	3202.1E6	963.7E6	991.799	976.212

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

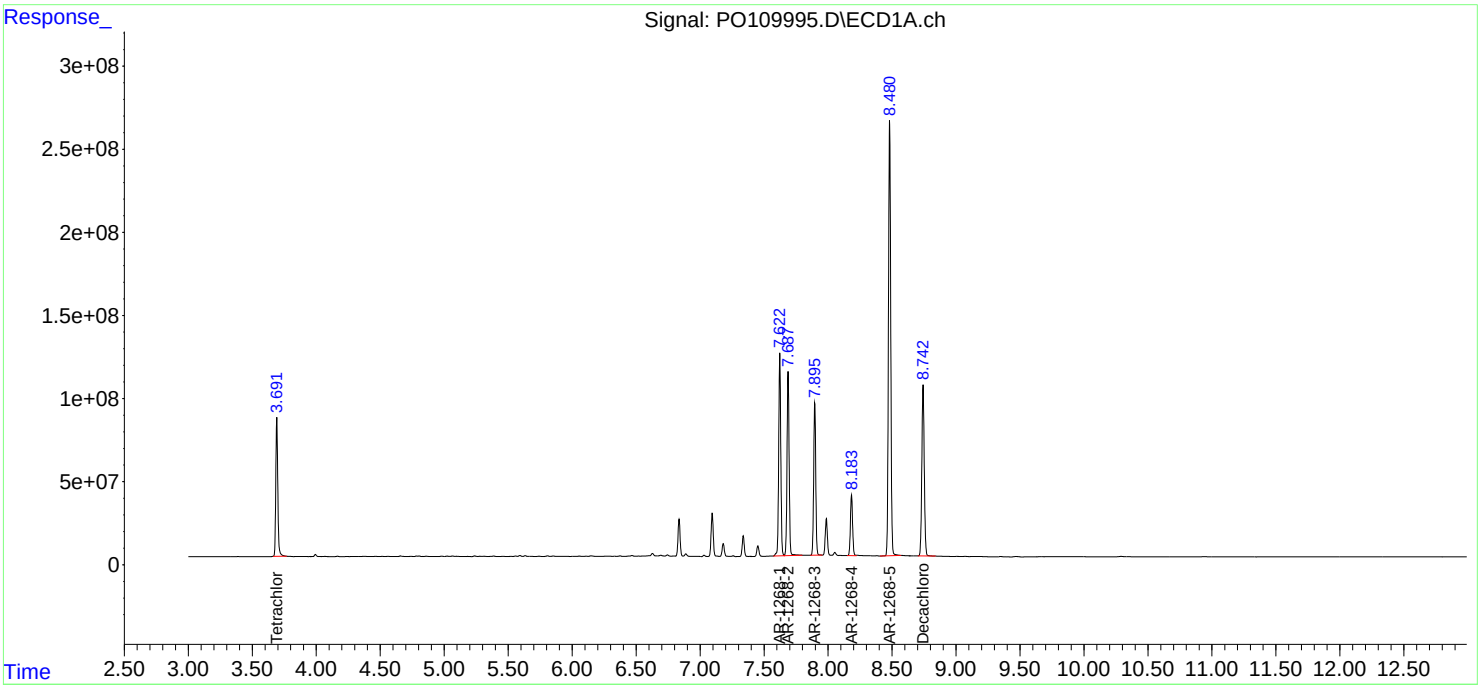
ICAL Form

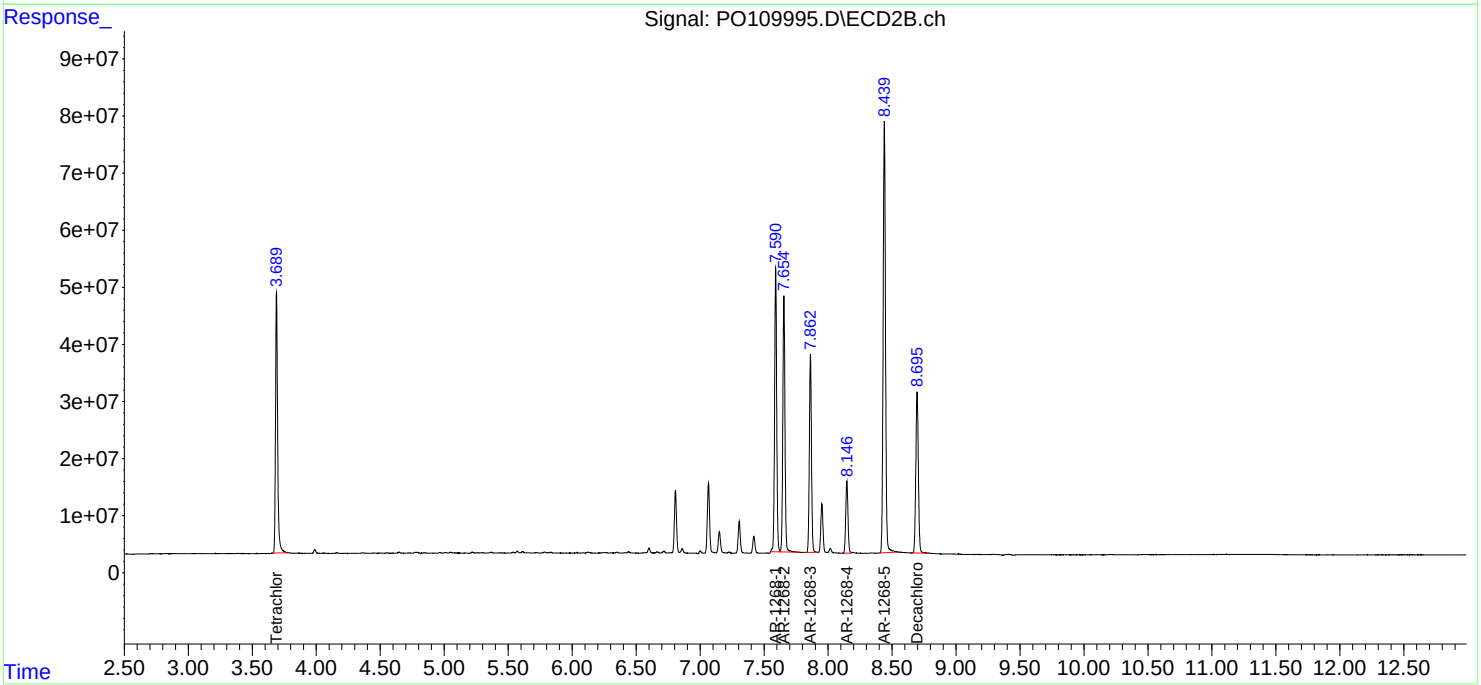
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:02
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

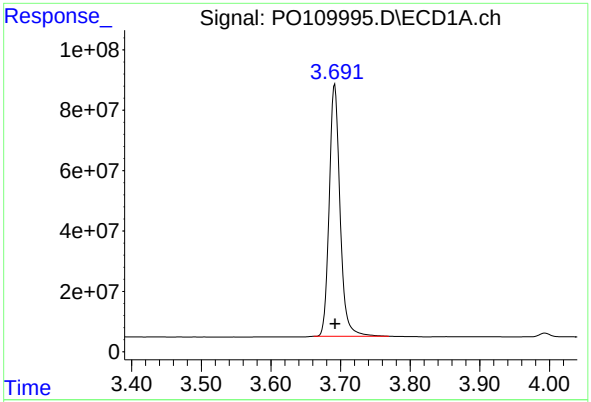
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



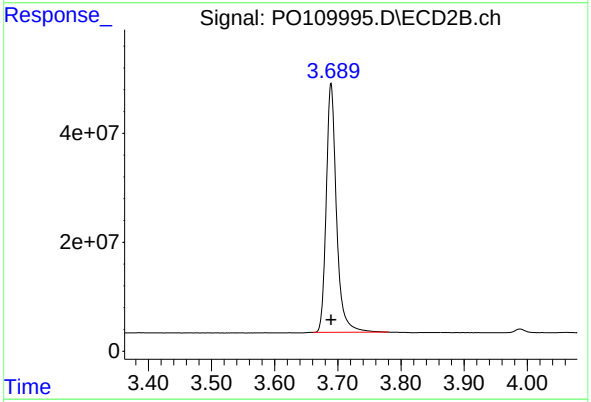




#1 Tetrachloro-m-xylene

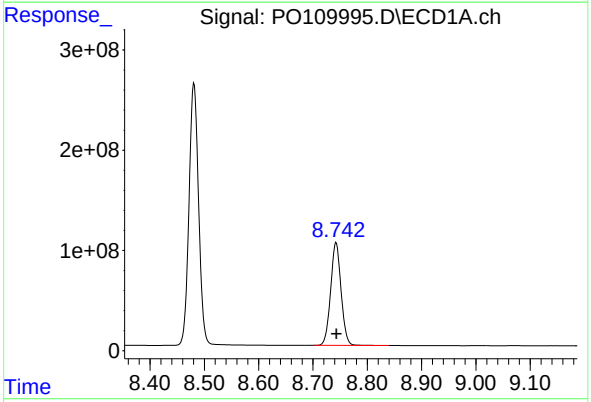
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 901662125
Conc: 97.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



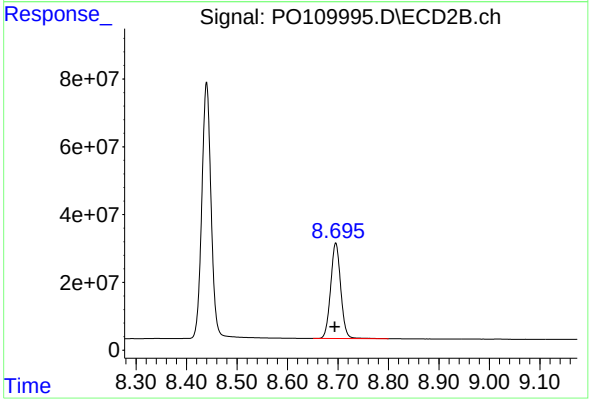
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 515836411
Conc: 97.66 ng/ml



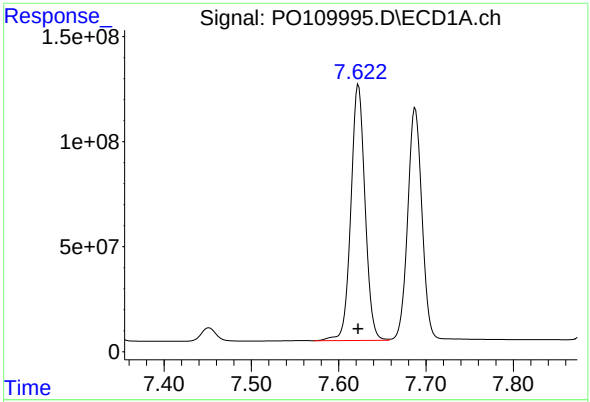
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 1364000629
Conc: 96.60 ng/ml



#2 Decachlorobiphenyl

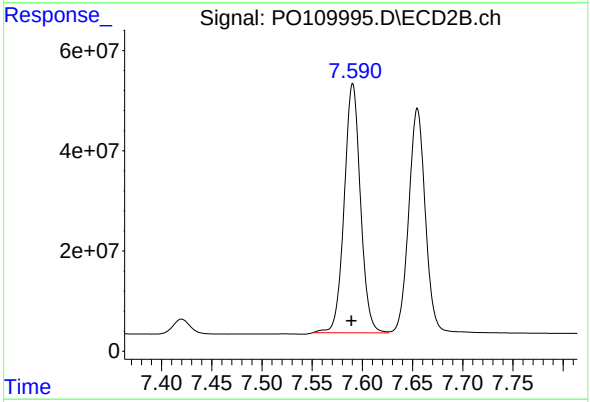
R.T.: 8.696 min
Delta R.T.: 0.002 min
Response: 390263390
Conc: 94.17 ng/ml



#41 AR-1268-1

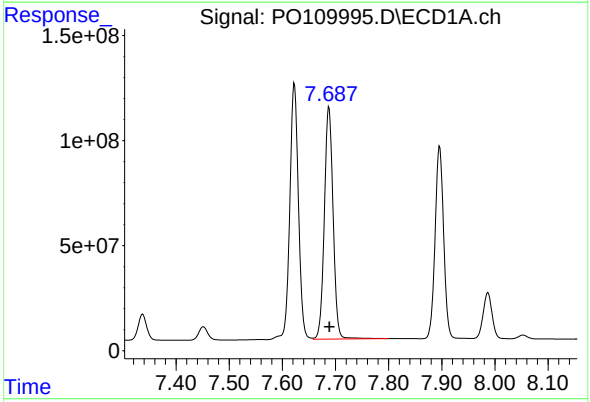
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 1369838059
Conc: 976.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



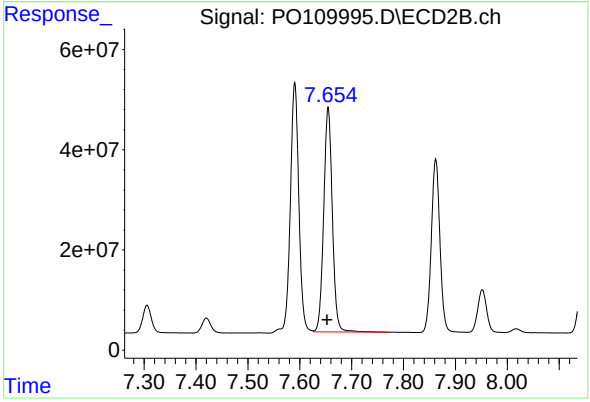
#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.001 min
Response: 560759375
Conc: 969.83 ng/ml



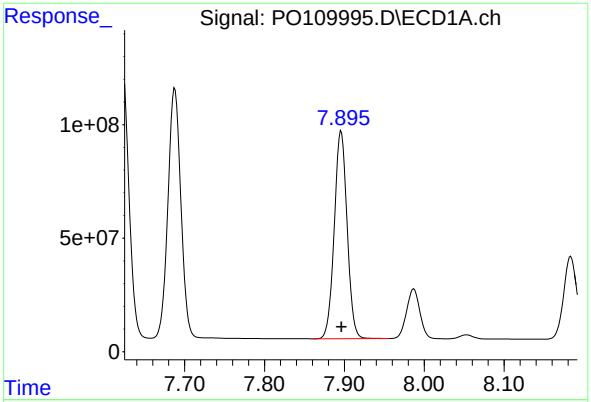
#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 1266296617
Conc: 989.58 ng/ml



#42 AR-1268-2

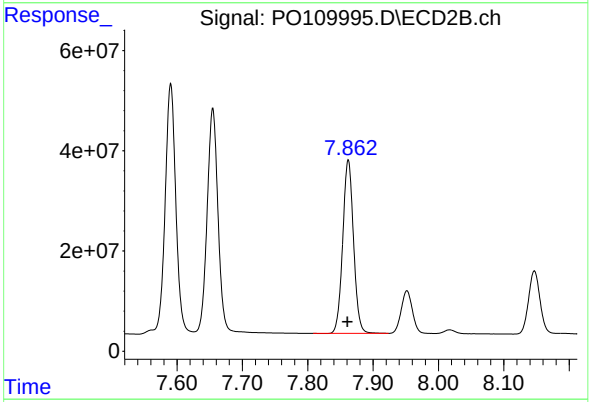
R.T.: 7.655 min
Delta R.T.: 0.002 min
Response: 519206129
Conc: 974.79 ng/ml



#43 AR-1268-3

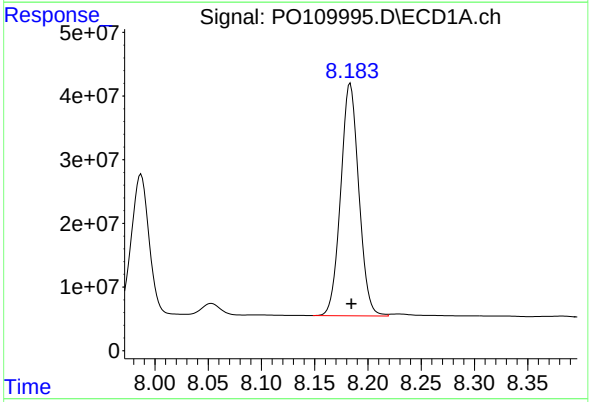
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 1019701747
Conc: 981.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



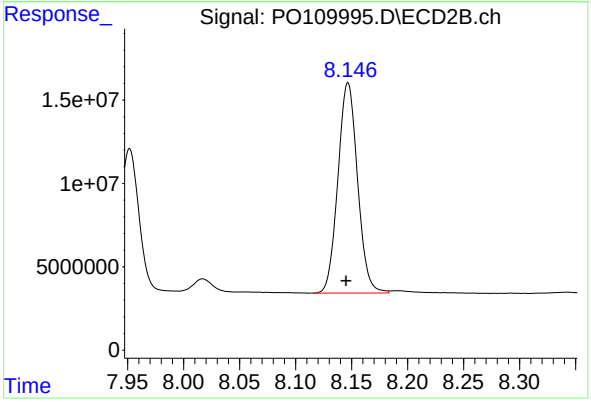
#43 AR-1268-3

R.T.: 7.862 min
Delta R.T.: 0.001 min
Response: 397648794
Conc: 963.02 ng/ml



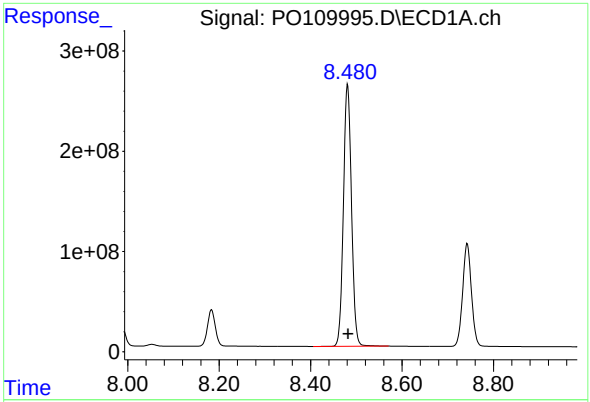
#44 AR-1268-4

R.T.: 8.183 min
Delta R.T.: -0.001 min
Response: 432675859
Conc: 967.01 ng/ml



#44 AR-1268-4

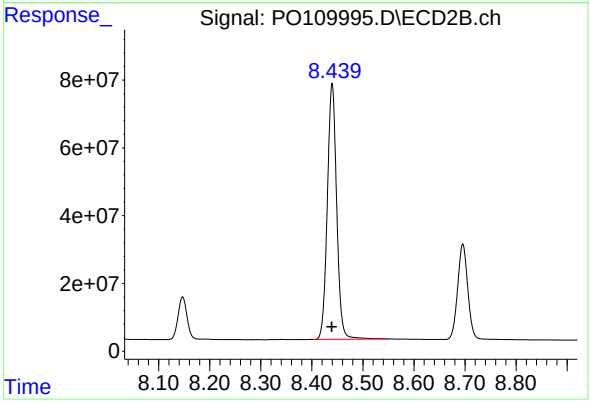
R.T.: 8.147 min
Delta R.T.: 0.002 min
Response: 153792414
Conc: 949.20 ng/ml



#45 AR-1268-5

R.T.: 8.481 min
Delta R.T.: -0.001 min
Response: 3202130253
Conc: 991.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.440 min
Delta R.T.: 0.001 min
Response: 963659212
Conc: 976.21 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:20
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: Mar 19 02:06:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.692	3.689	674.6E6	386.9E6	72.709	73.243
2) SA	Decachlor...	8.743	8.696	1030.2E6	298.8E6	72.957	72.092
	Target Compounds						
41) L9	AR-1268-1	7.624	7.590	1030.8E6	426.7E6	734.560	738.041
42) L9	AR-1268-2	7.688	7.655	947.1E6	394.0E6	740.097	739.739
43) L9	AR-1268-3	7.897	7.862	764.7E6	299.7E6	736.208	725.732
44) L9	AR-1268-4	8.184	8.147	316.0E6	116.0E6	706.276	715.999
45) L9	AR-1268-5	8.482	8.440	2394.2E6	724.9E6	741.545	734.374

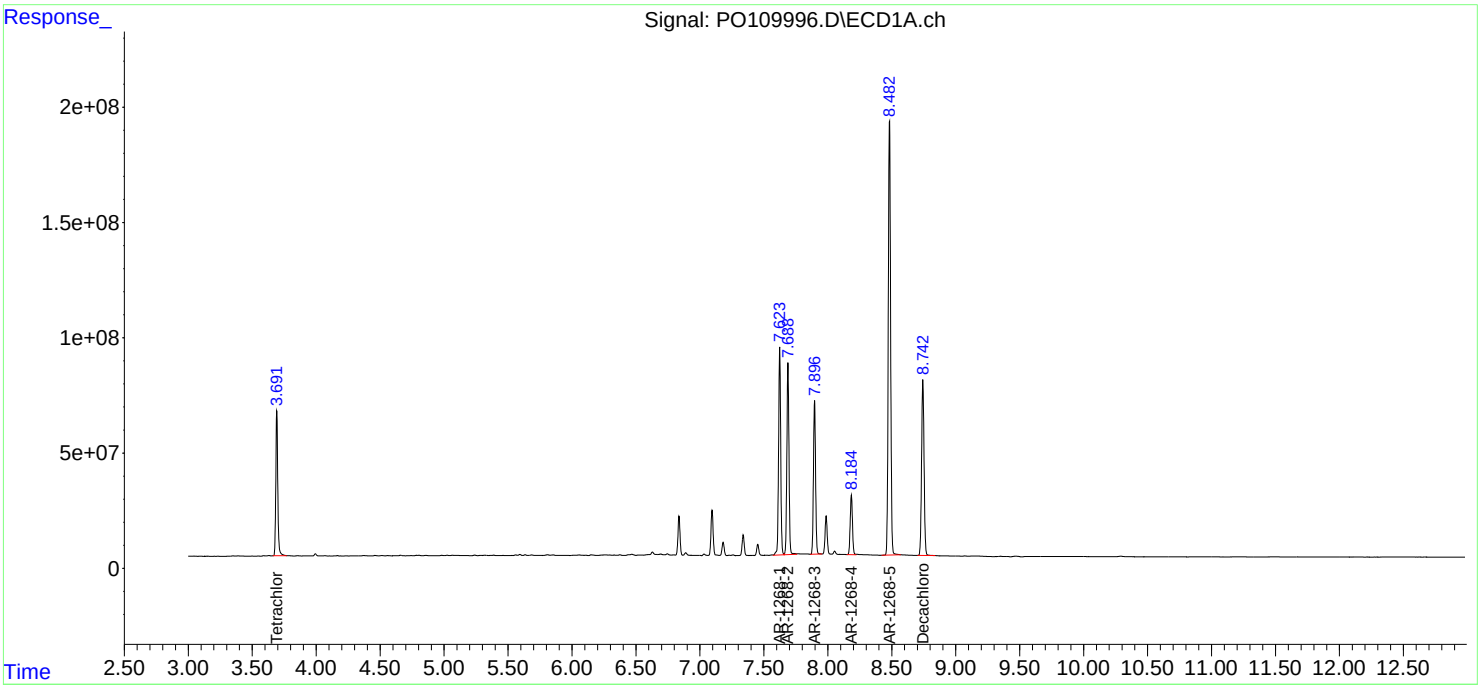
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

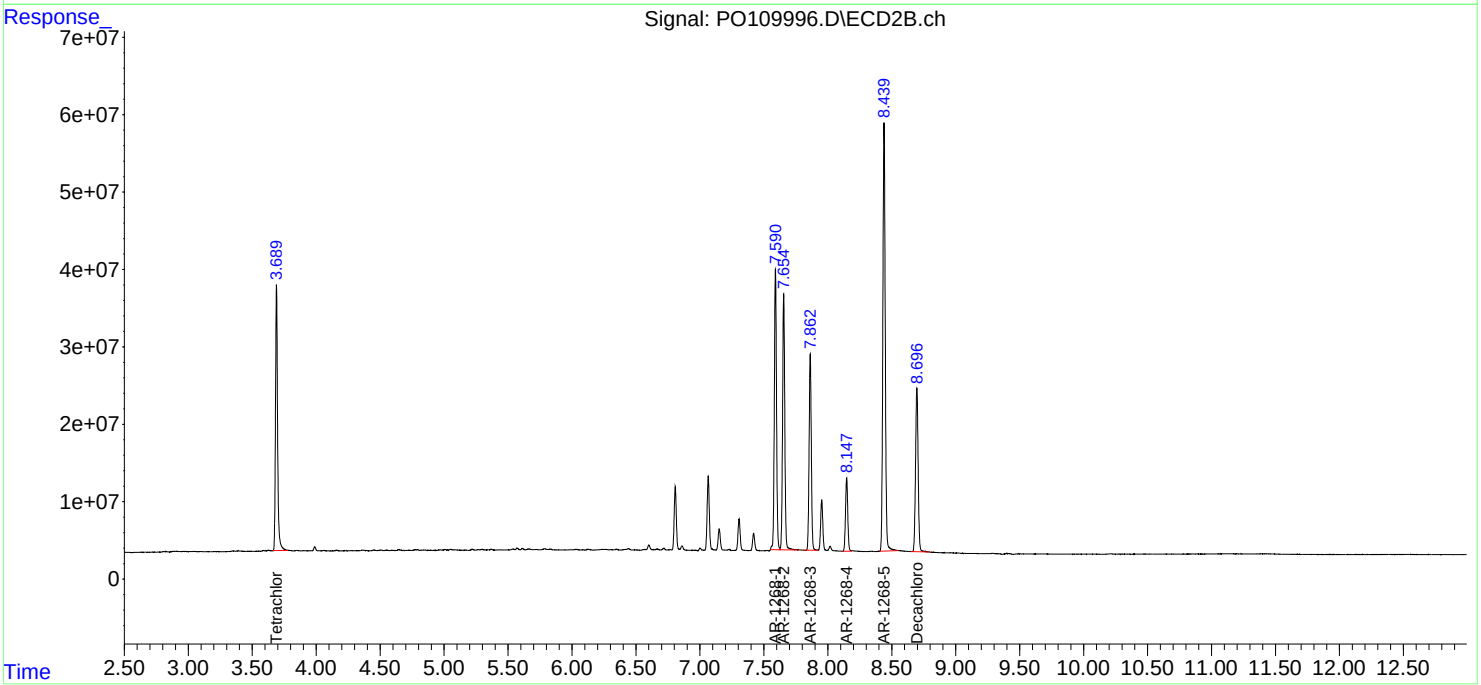
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:20
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

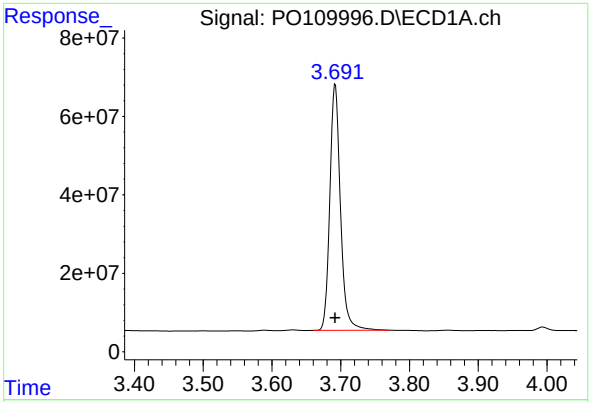
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



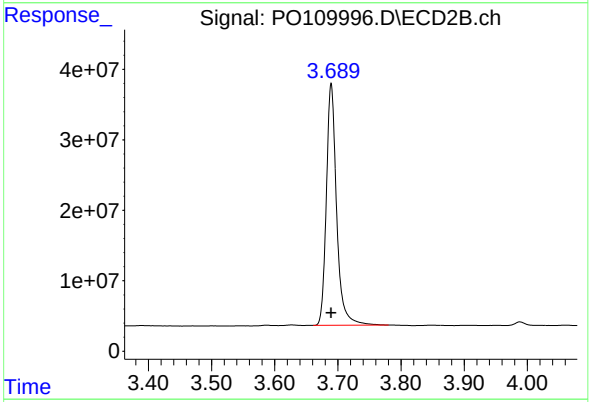




#1 Tetrachloro-m-xylene

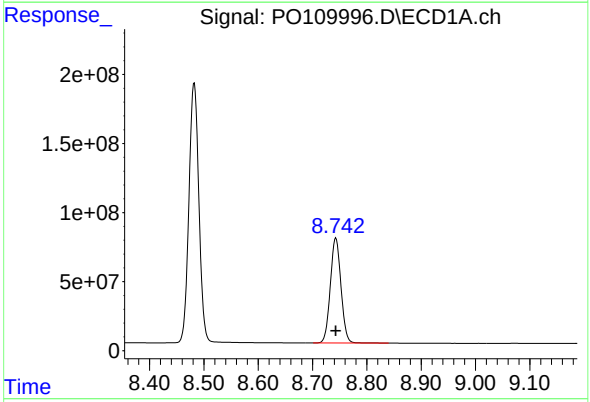
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 674561518
Conc: 72.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



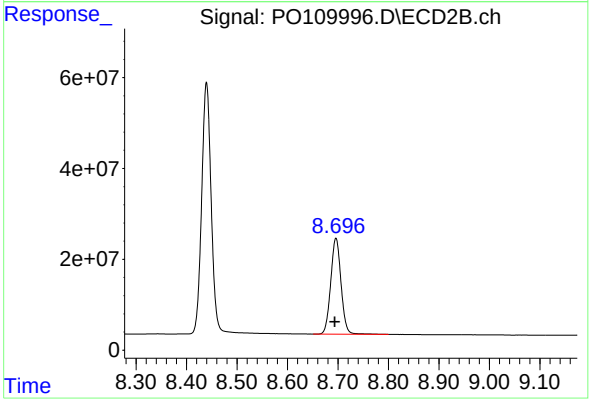
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 386863871
Conc: 73.24 ng/ml



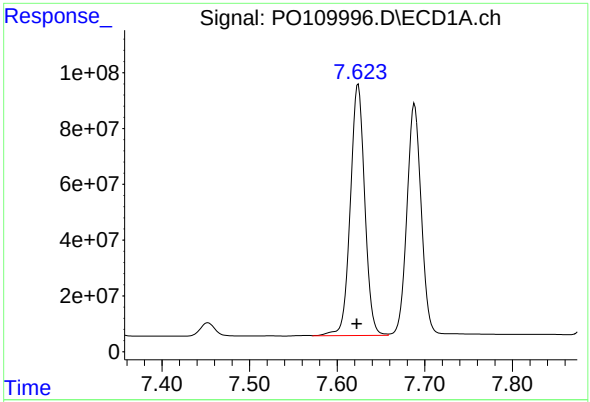
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 1030169782
Conc: 72.96 ng/ml



#2 Decachlorobiphenyl

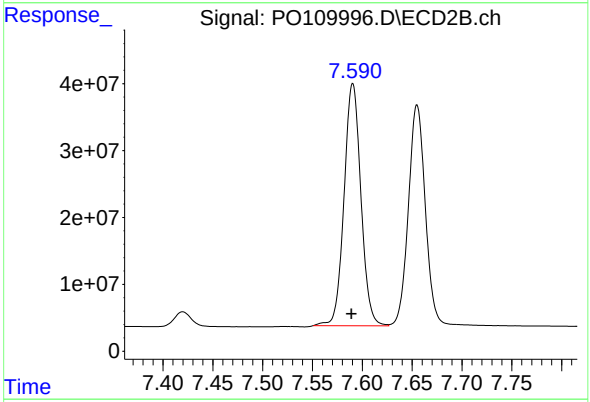
R.T.: 8.696 min
Delta R.T.: 0.002 min
Response: 298767454
Conc: 72.09 ng/ml



#41 AR-1268-1

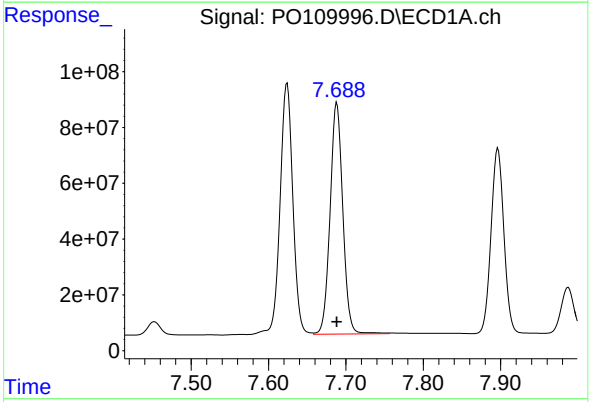
R.T.: 7.624 min
Delta R.T.: 0.002 min
Response: 1030829535
Conc: 734.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



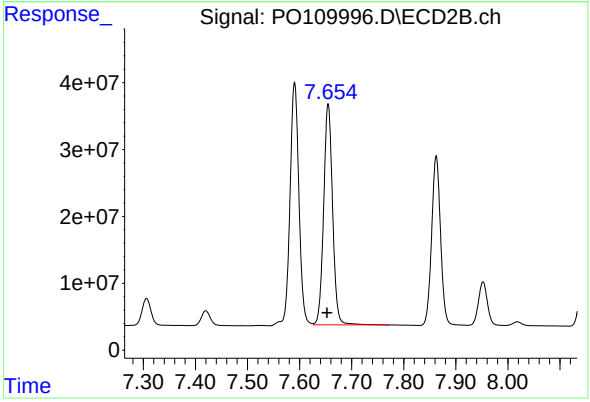
#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.001 min
Response: 426739530
Conc: 738.04 ng/ml



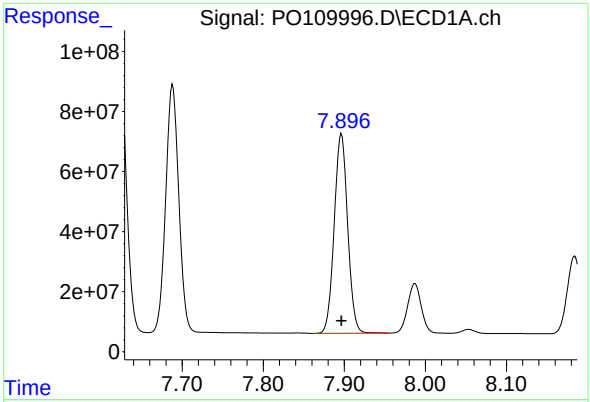
#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 947052725
Conc: 740.10 ng/ml



#42 AR-1268-2

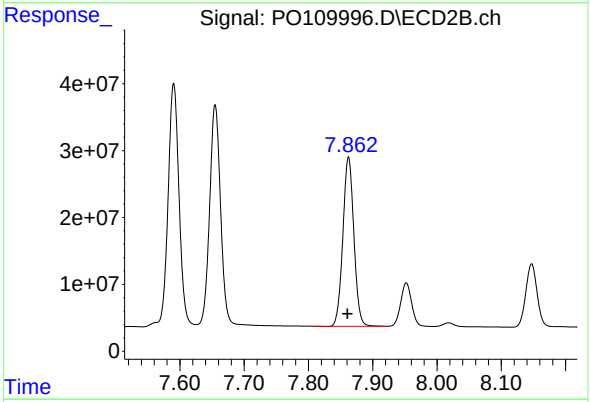
R.T.: 7.655 min
Delta R.T.: 0.002 min
Response: 394011614
Conc: 739.74 ng/ml



#43 AR-1268-3

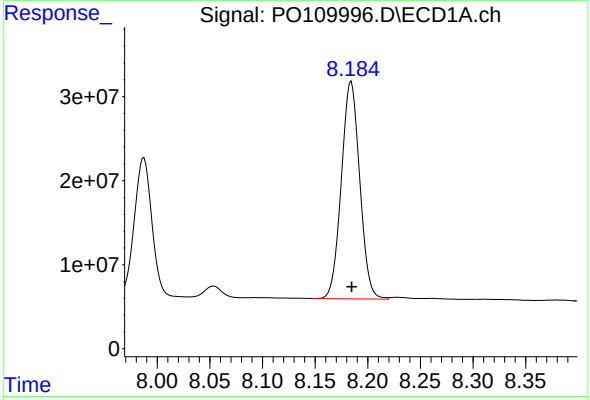
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 764660970
Conc: 736.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



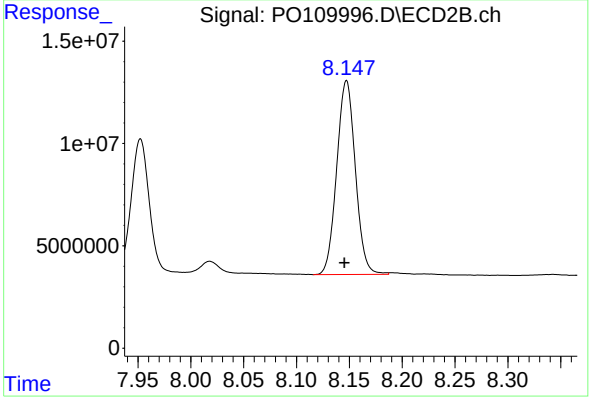
#43 AR-1268-3

R.T.: 7.862 min
Delta R.T.: 0.002 min
Response: 299667225
Conc: 725.73 ng/ml



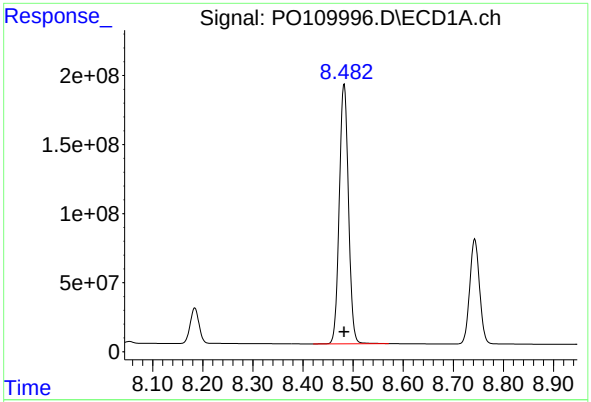
#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 316015601
Conc: 706.28 ng/ml



#44 AR-1268-4

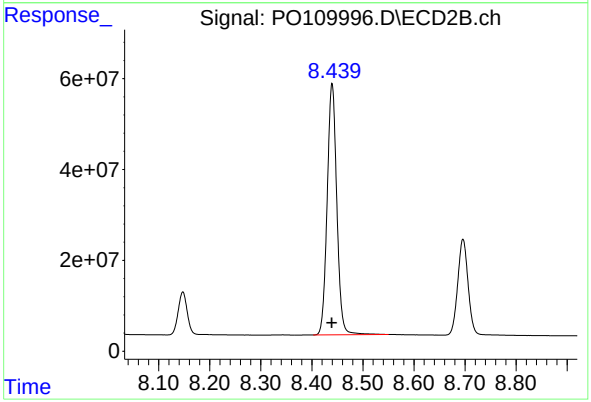
R.T.: 8.147 min
Delta R.T.: 0.002 min
Response: 116008994
Conc: 716.00 ng/ml



#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 2394158307
Conc: 741.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.440 min
Delta R.T.: 0.000 min
Response: 724930761
Conc: 734.37 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	463.9E6	264.1E6	50.000	50.000
2)	SA Decachlor...	8.743	8.694	706.0E6	207.2E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.622	7.589	700.7E6	289.1E6	499.305m	500.000
42)	L9 AR-1268-2	7.688	7.653	639.8E6	266.3E6	500.000	500.000
43)	L9 AR-1268-3	7.896	7.861	519.3E6	206.5E6	500.000	500.000
44)	L9 AR-1268-4	8.185	8.145	223.7E6	81011977	500.000	500.000
45)	L9 AR-1268-5	8.482	8.439	1614.3E6	493.6E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

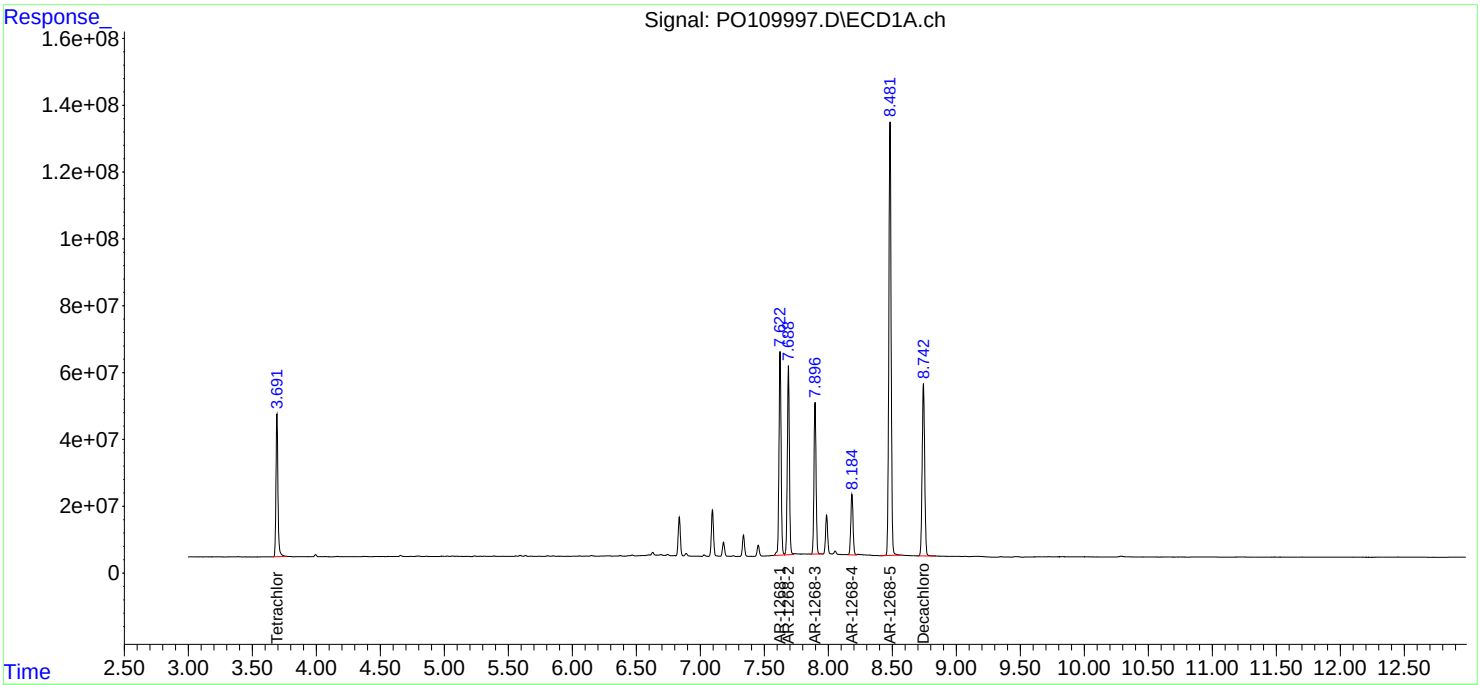
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

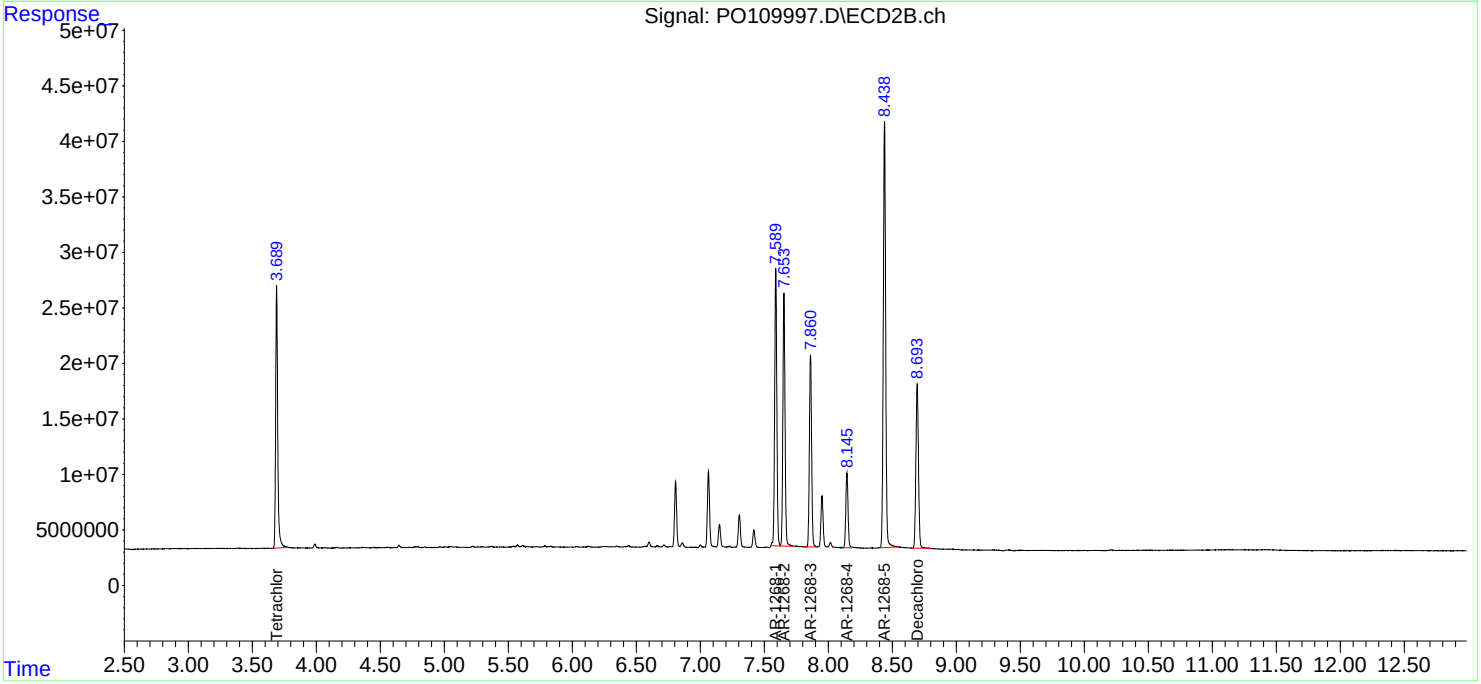
Manual Integrations APPROVED

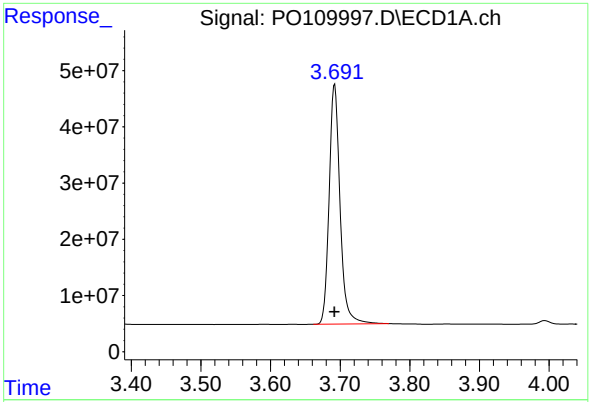
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







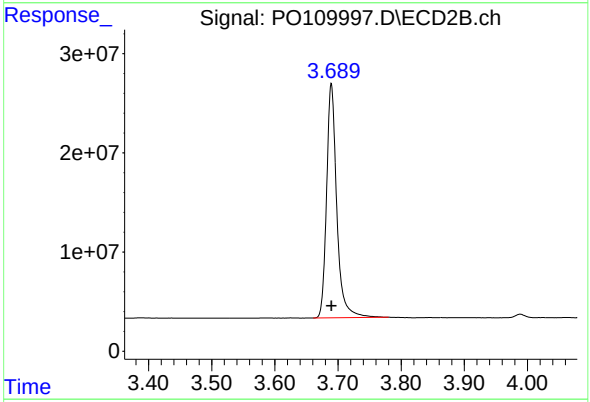
#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 463875726
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

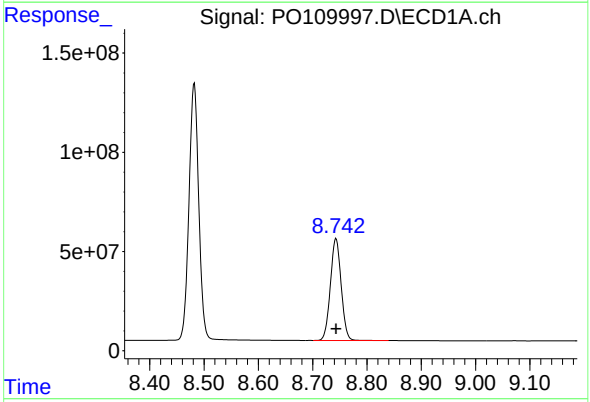
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



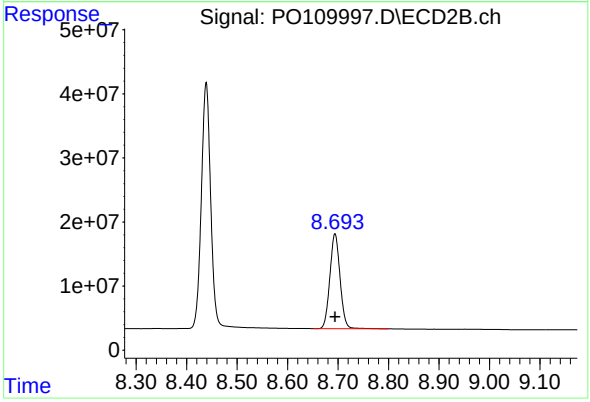
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 264095871
Conc: 50.00 ng/ml



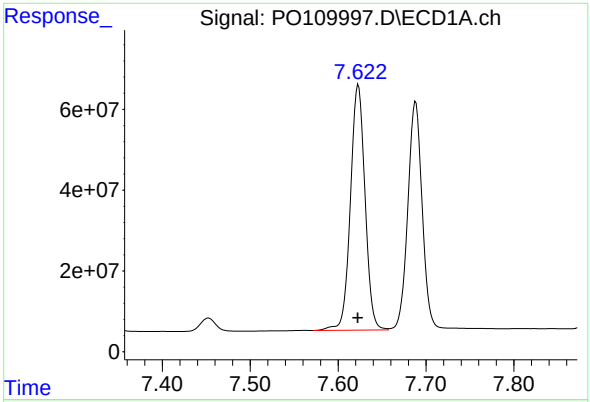
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 706011522
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 207212938
Conc: 50.00 ng/ml



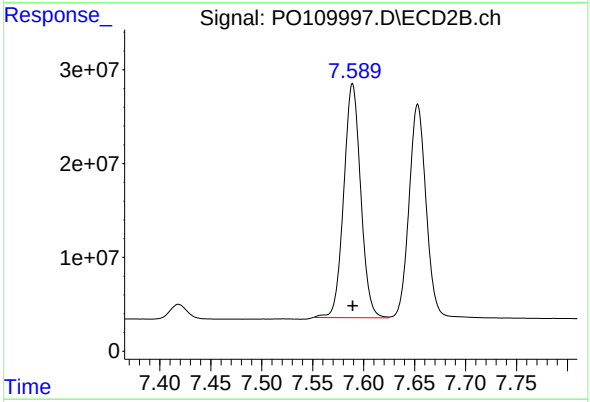
#41 AR-1268-1

R.T.: 7.622 min
Delta R.T.: 0.000 min
Response: 700689003
Conc: 499.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

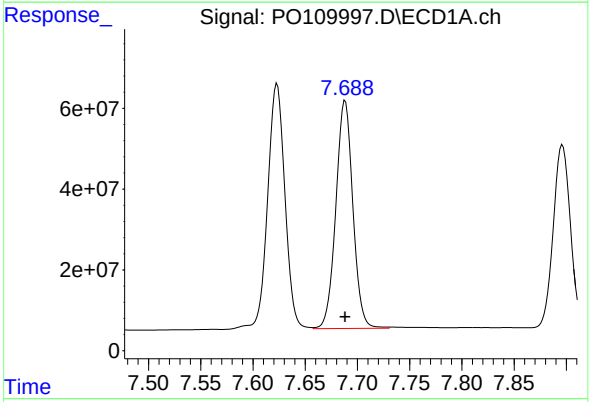
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



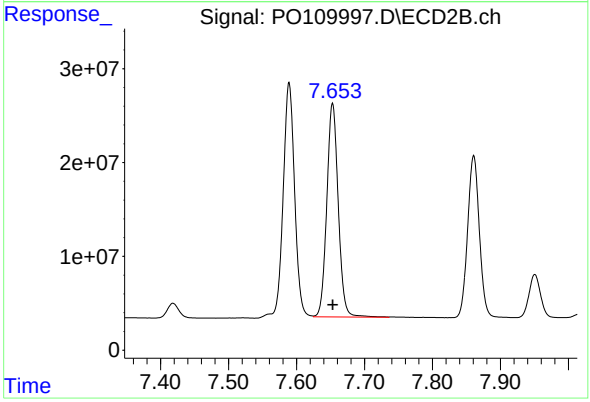
#41 AR-1268-1

R.T.: 7.589 min
Delta R.T.: 0.000 min
Response: 289102857
Conc: 500.00 ng/ml



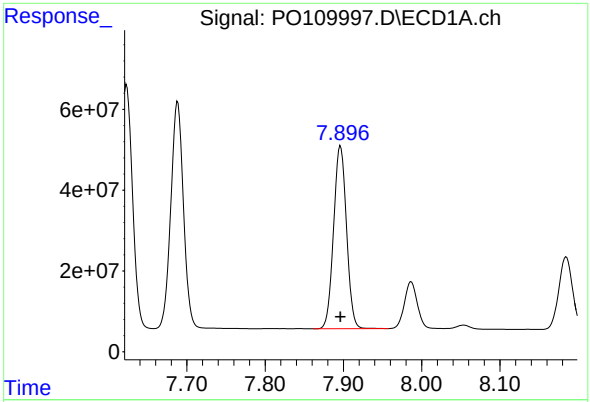
#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 639816344
Conc: 500.00 ng/ml



#42 AR-1268-2

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 266318012
Conc: 500.00 ng/ml



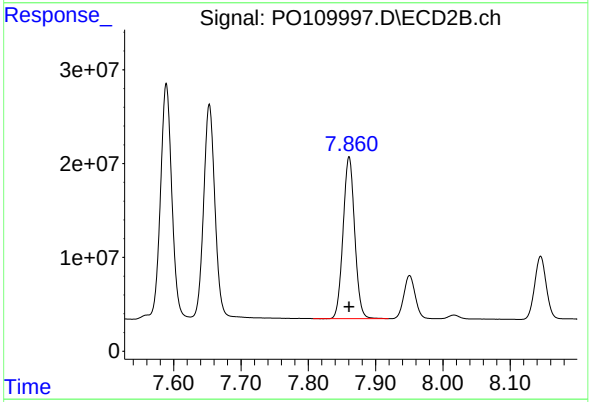
#43 AR-1268-3

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 519324293
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

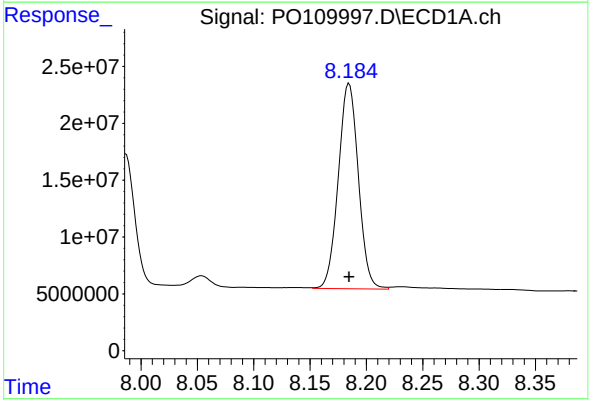
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



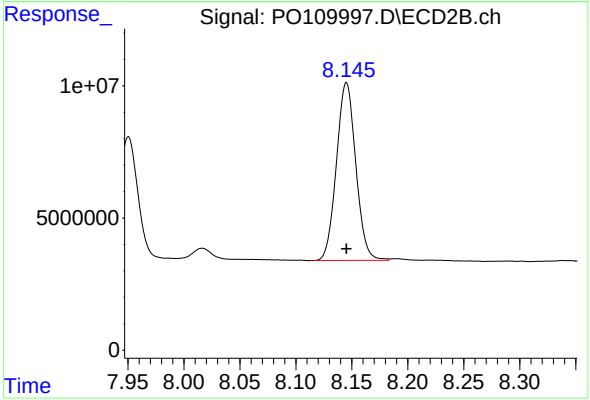
#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 206458519
Conc: 500.00 ng/ml



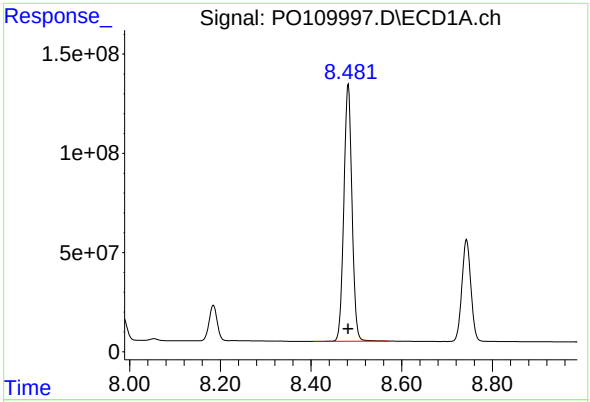
#44 AR-1268-4

R.T.: 8.185 min
Delta R.T.: 0.000 min
Response: 223719543
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 8.145 min
Delta R.T.: 0.000 min
Response: 81011977
Conc: 500.00 ng/ml



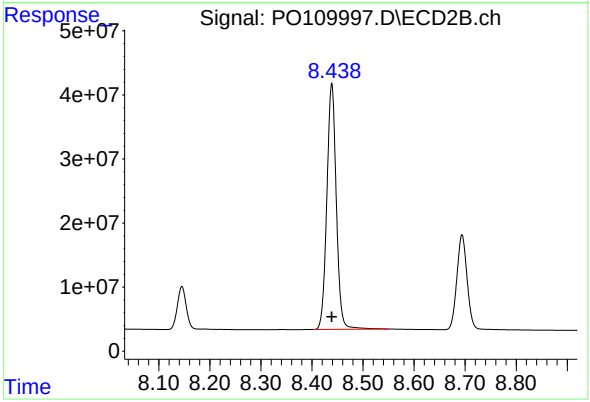
#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 1614304087
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#45 AR-1268-5

R.T.: 8.439 min
Delta R.T.: 0.000 min
Response: 493570508
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	233.0E6	133.0E6	25.112	25.182
2)	SA Decachlor...	8.743	8.695	364.2E6	110.3E6	25.791	26.624
	Target Compounds						
41)	L9 AR-1268-1	7.623	7.590	357.9E6	149.6E6	255.005m	258.814
42)	L9 AR-1268-2	7.688	7.654	330.4E6	137.2E6	258.196	257.558
43)	L9 AR-1268-3	7.897	7.861	264.1E6	107.0E6	254.288	259.017
44)	L9 AR-1268-4	8.184	8.146	118.3E6	42174671	264.470	260.299
45)	L9 AR-1268-5	8.482	8.439	811.9E6	254.0E6	251.483	257.325

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

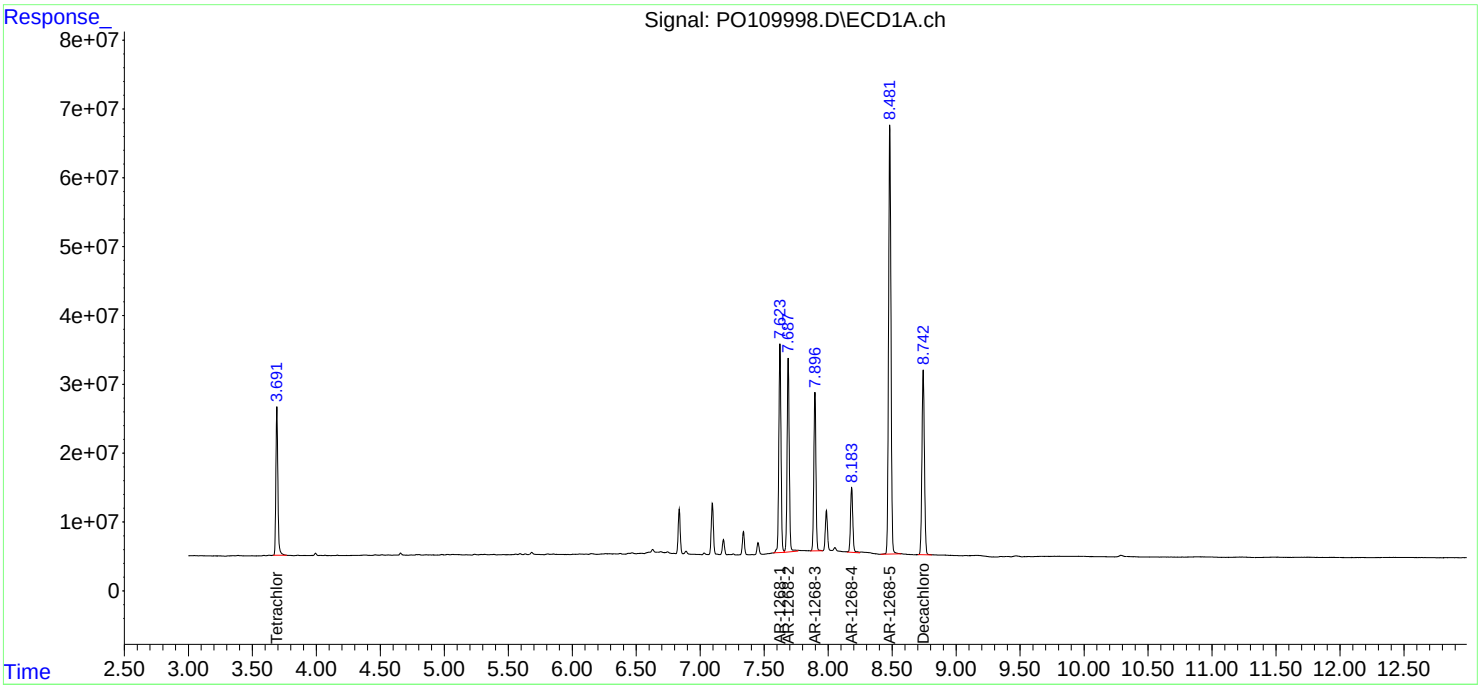
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

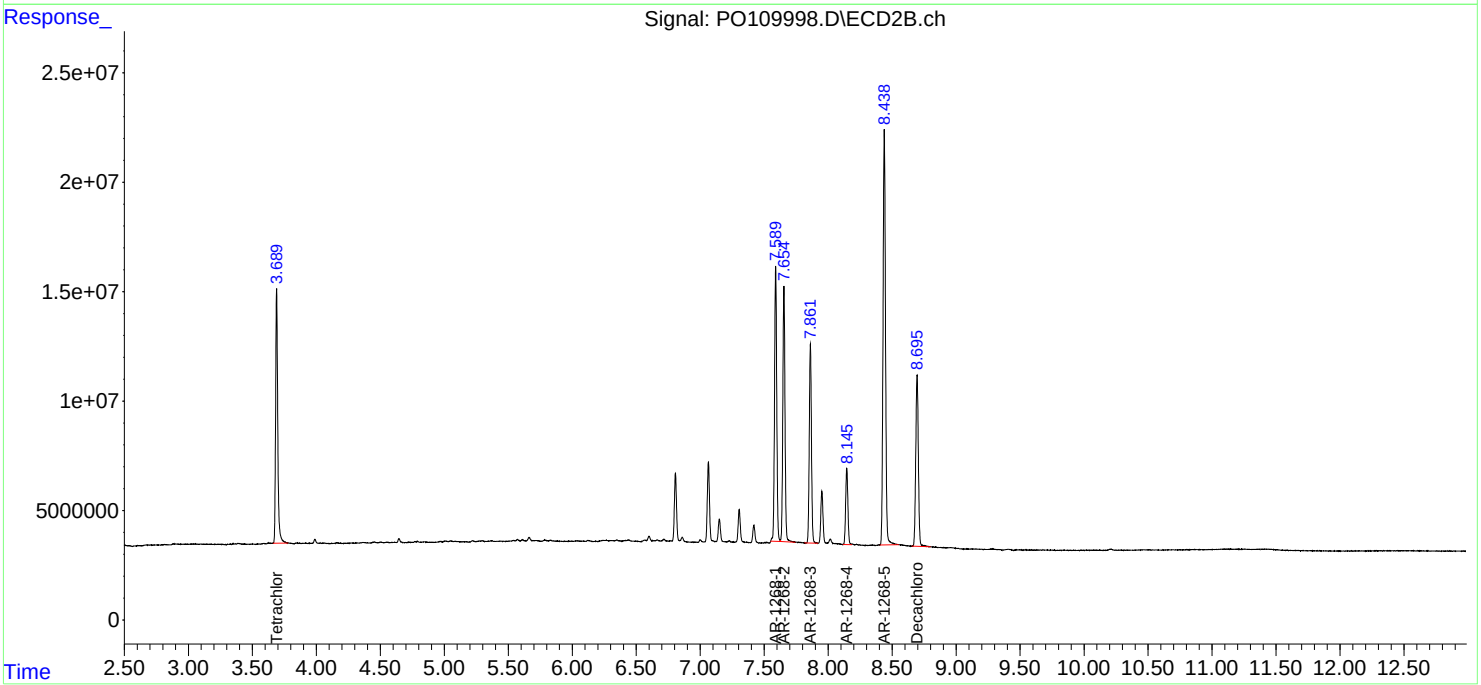
Manual Integrations APPROVED

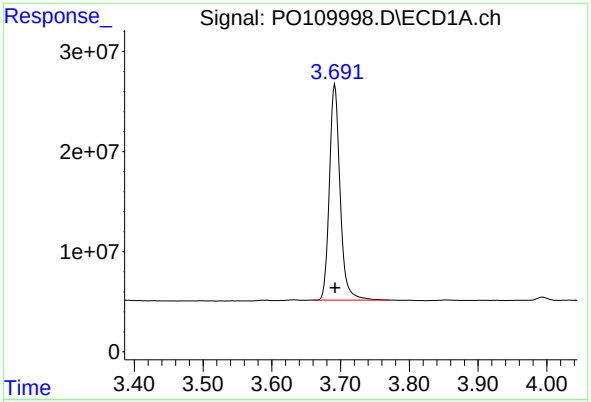
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







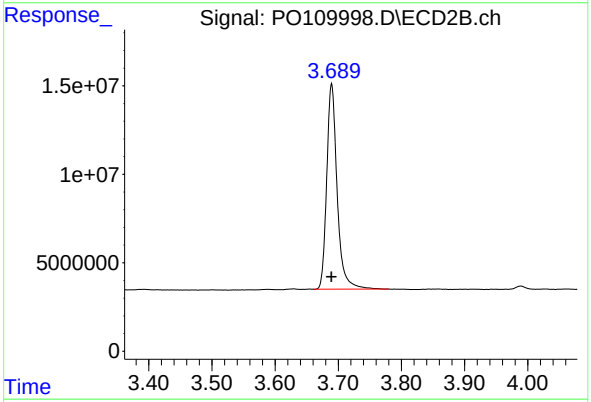
#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 232978846
Conc: 25.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

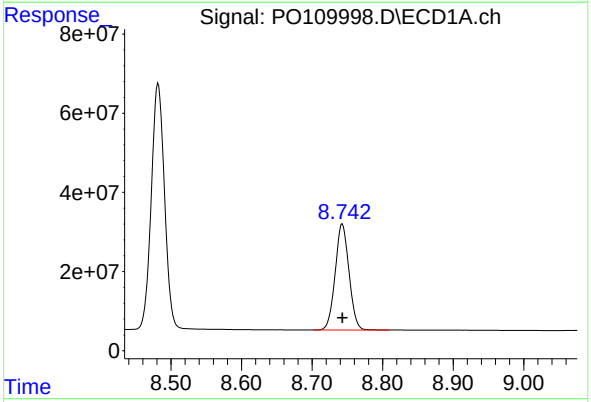
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



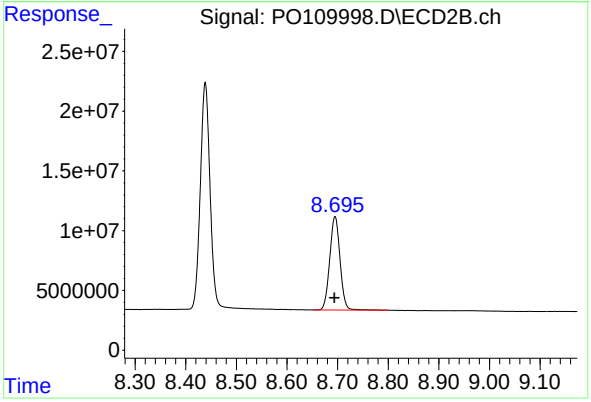
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 133010597
Conc: 25.18 ng/ml



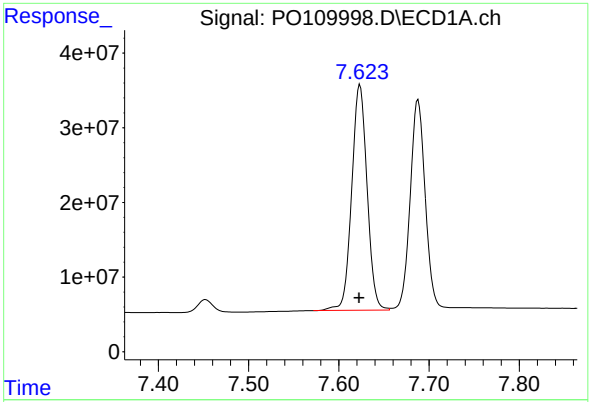
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 364169510
Conc: 25.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 110337267
Conc: 26.62 ng/ml



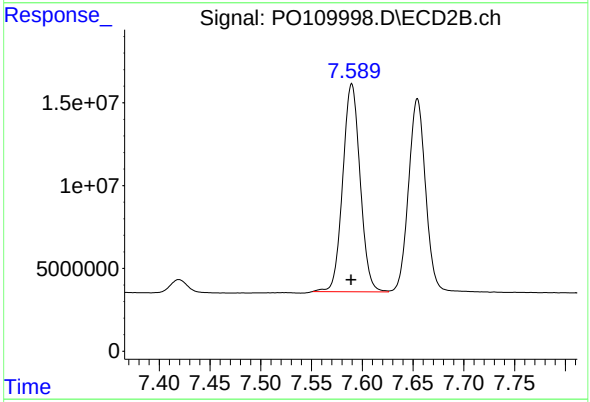
#41 AR-1268-1

R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 357855660
Conc: 255.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

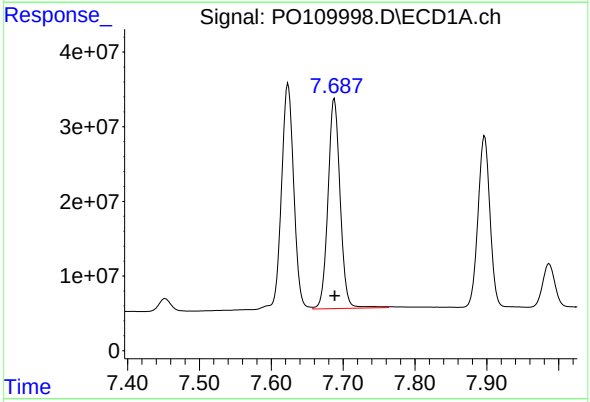
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



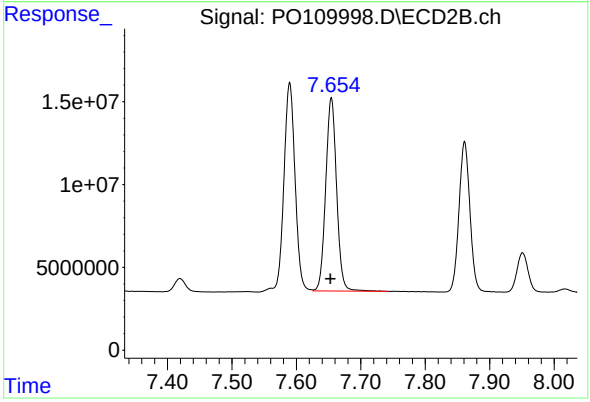
#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 149647905
Conc: 258.81 ng/ml



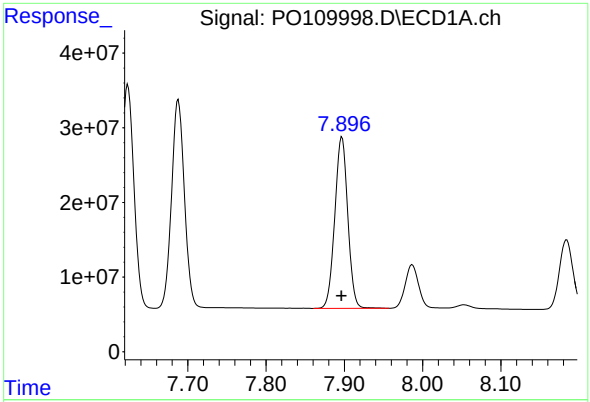
#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 330395950
Conc: 258.20 ng/ml



#42 AR-1268-2

R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 137184821
Conc: 257.56 ng/ml



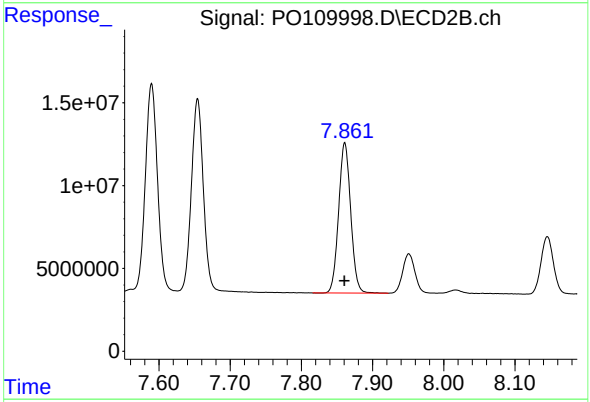
#43 AR-1268-3

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 264115362
Conc: 254.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

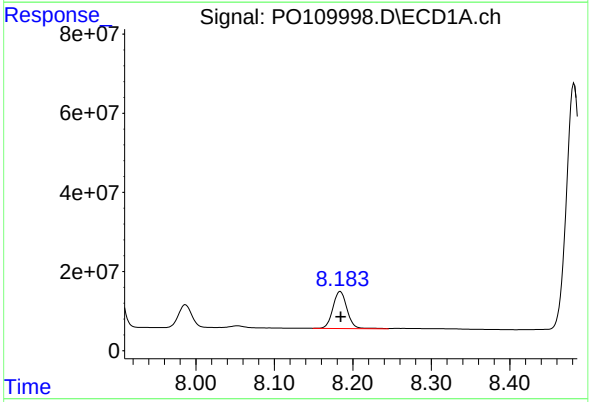
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



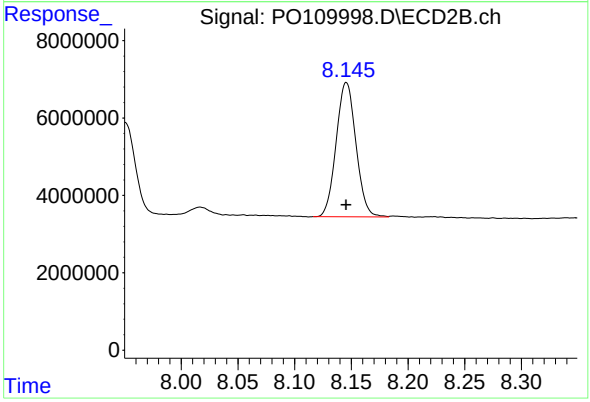
#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 106952452
Conc: 259.02 ng/ml



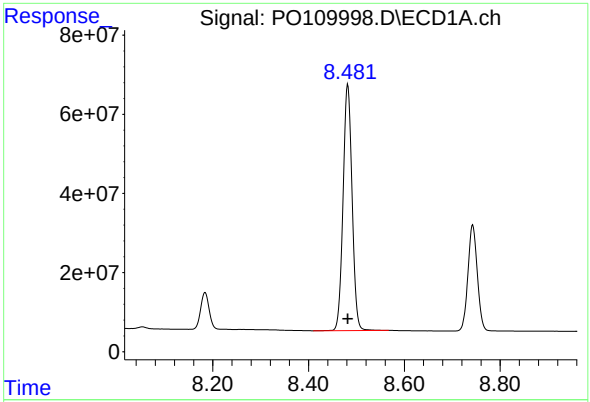
#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 118334390
Conc: 264.47 ng/ml



#44 AR-1268-4

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 42174671
Conc: 260.30 ng/ml



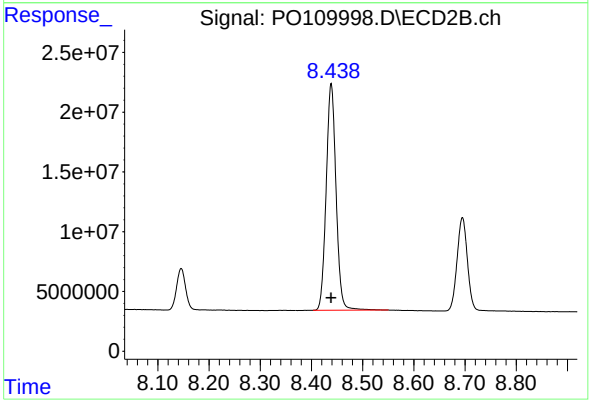
#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 811940473
Conc: 251.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#45 AR-1268-5

R.T.: 8.439 min
Delta R.T.: 0.000 min
Response: 254015607
Conc: 257.32 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:15
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.688	44374914	25645349	4.783m	4.855m
2)	SA Decachlor...	8.743	8.695	72973489	22764198	5.168	5.493
	Target Compounds						
41)	L9 AR-1268-1	7.622	7.590	71178847	31006348	50.721m	53.625
42)	L9 AR-1268-2	7.688	7.654	63525178	28112917	49.643	52.781
43)	L9 AR-1268-3	7.896	7.861	50172519	22018734	48.306	53.325
44)	L9 AR-1268-4	8.183	8.146	21758650	8301200	48.629m	51.234
45)	L9 AR-1268-5	8.481	8.438	151.8E6	51592382	47.022	52.264

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:15
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

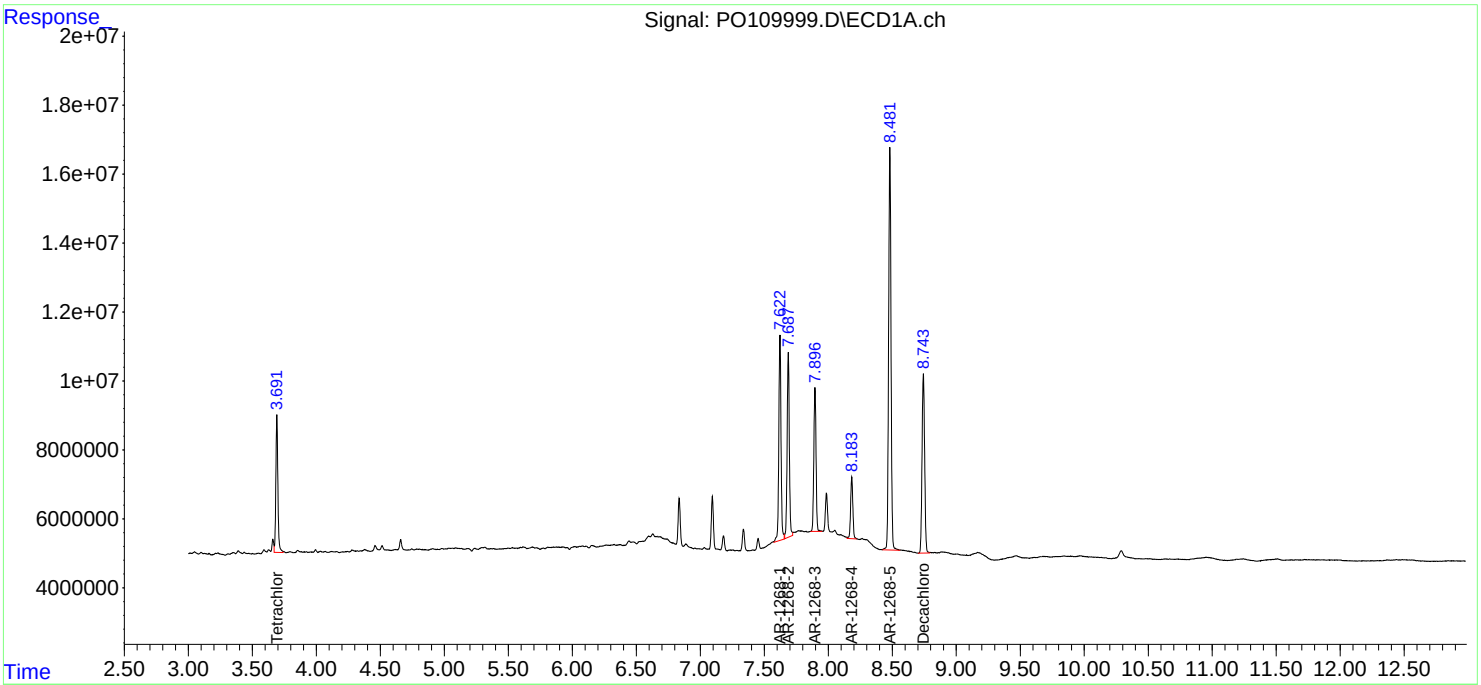
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

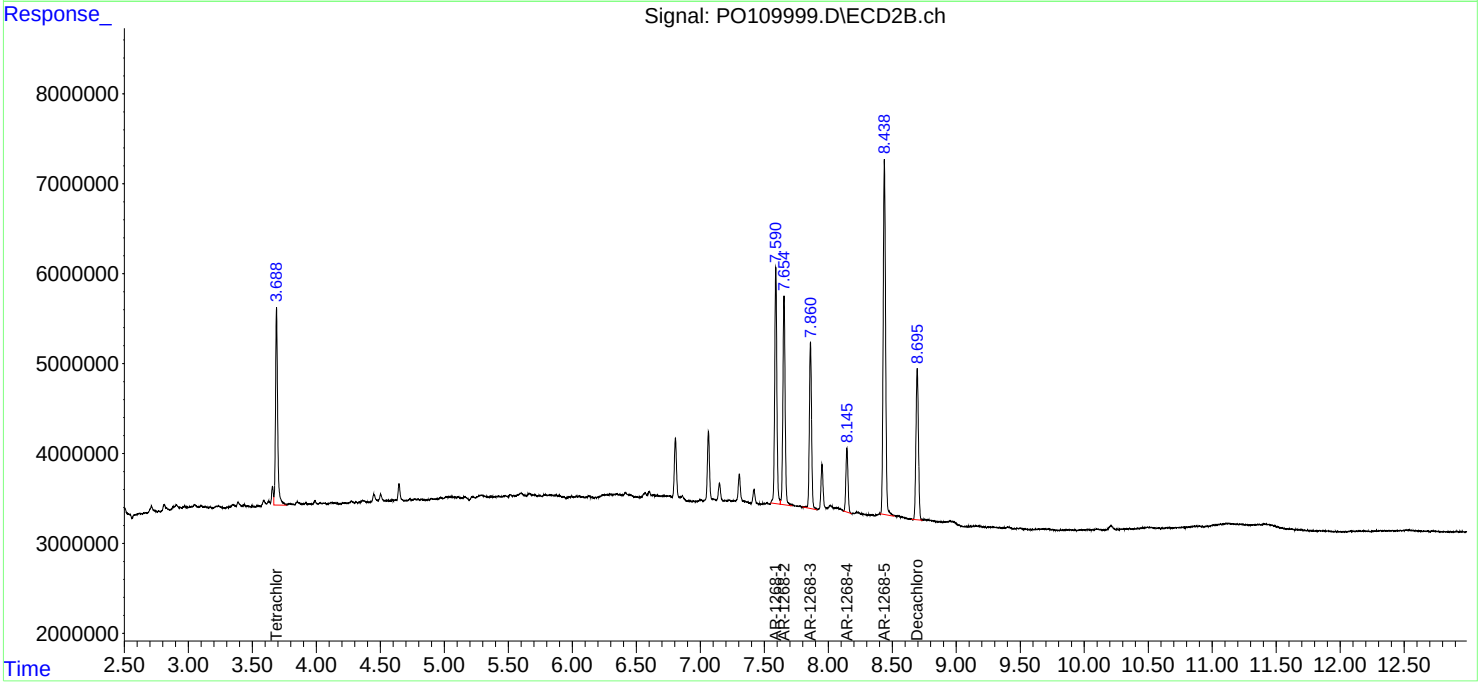
Manual Integrations APPROVED

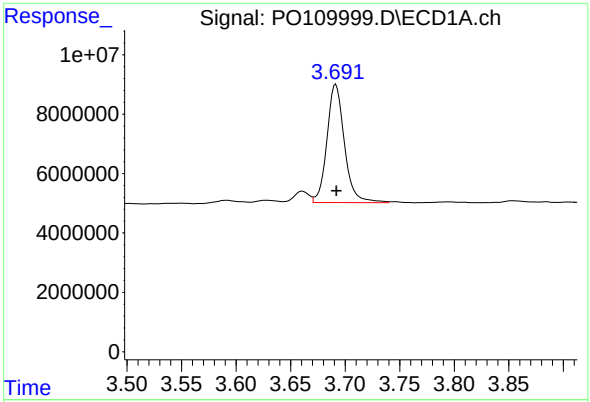
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







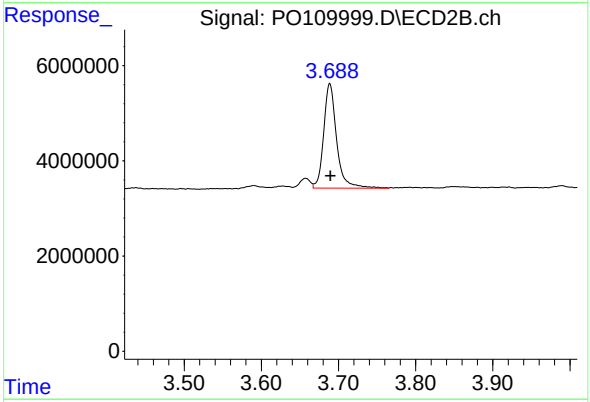
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 44374914
Conc: 4.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

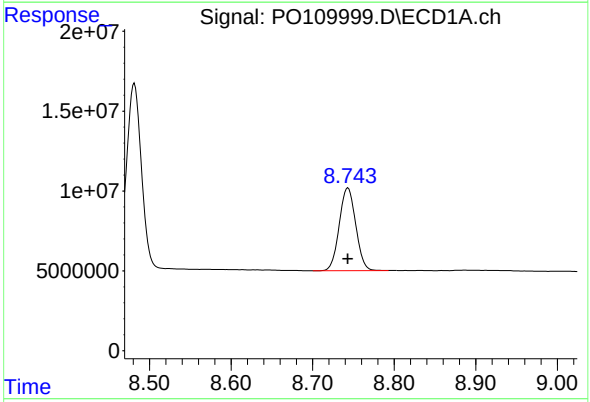
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



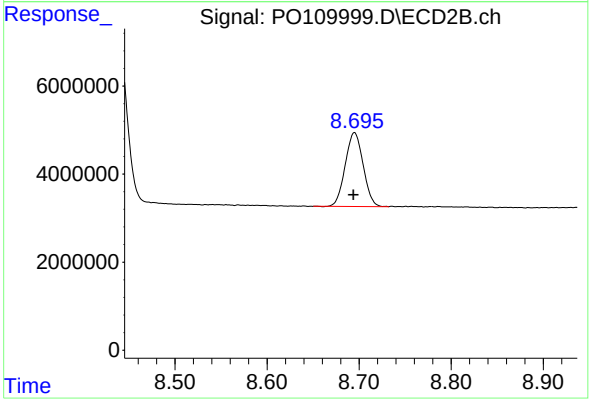
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.001 min
Response: 25645349
Conc: 4.86 ng/ml m



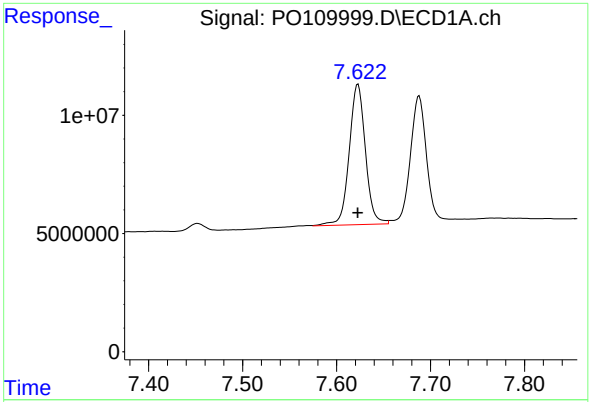
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 72973489
Conc: 5.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 22764198
Conc: 5.49 ng/ml



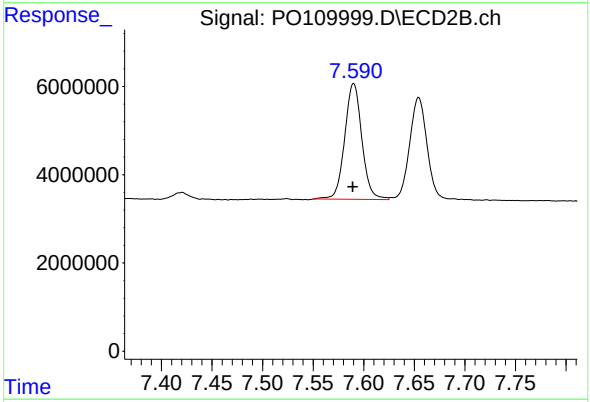
#41 AR-1268-1

R.T.: 7.622 min
Delta R.T.: 0.000 min
Response: 71178847
Conc: 50.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

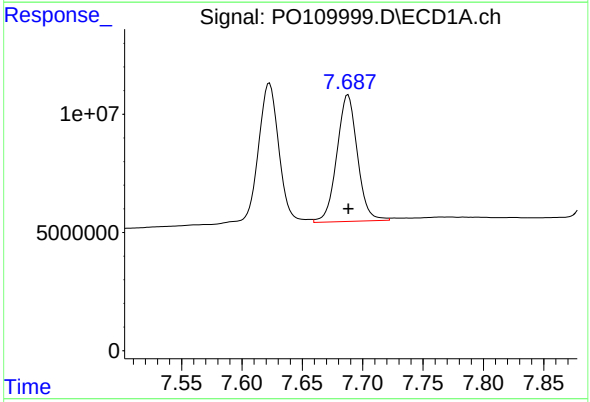
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



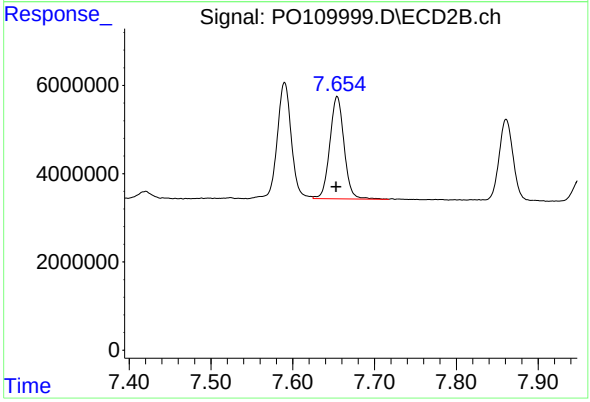
#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 31006348
Conc: 53.63 ng/ml



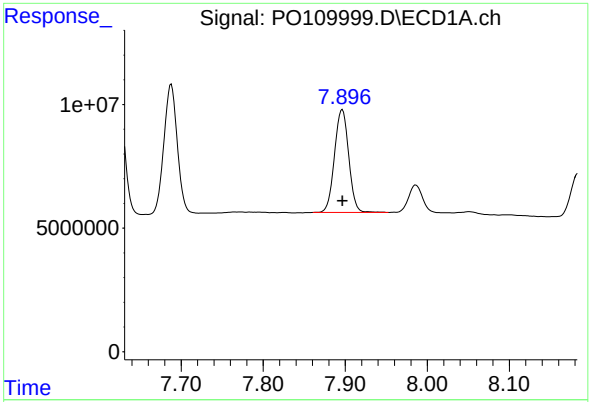
#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 63525178
Conc: 49.64 ng/ml



#42 AR-1268-2

R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 28112917
Conc: 52.78 ng/ml



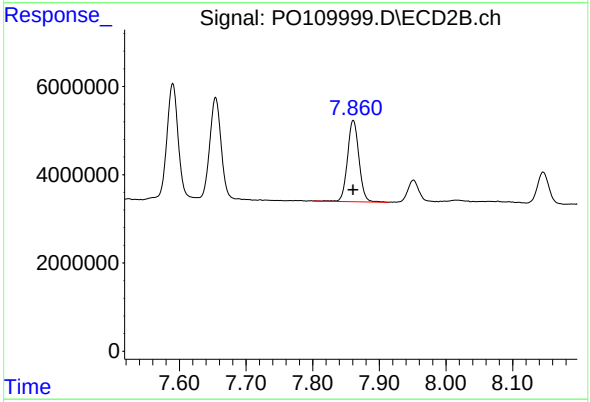
#43 AR-1268-3

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 50172519
Conc: 48.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

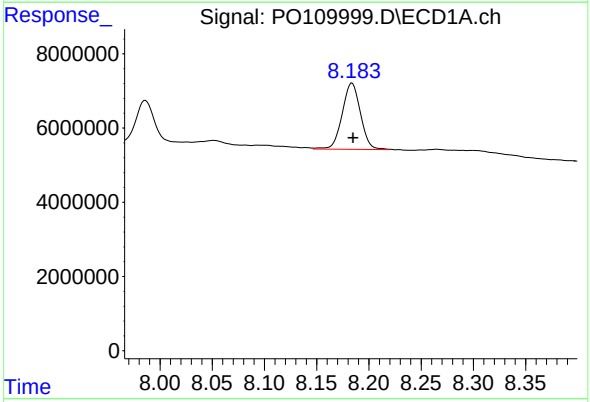
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



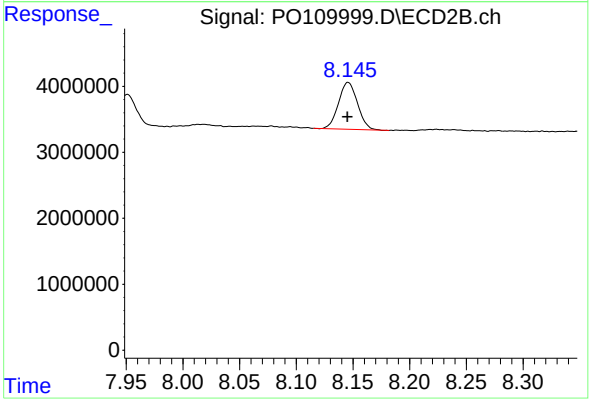
#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 22018734
Conc: 53.32 ng/ml



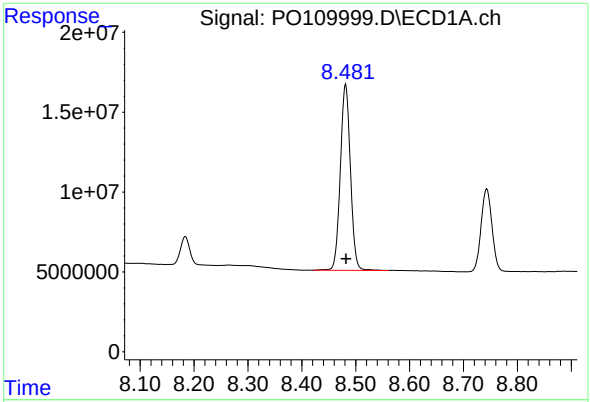
#44 AR-1268-4

R.T.: 8.183 min
Delta R.T.: -0.001 min
Response: 21758650
Conc: 48.63 ng/ml m



#44 AR-1268-4

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 8301200
Conc: 51.23 ng/ml



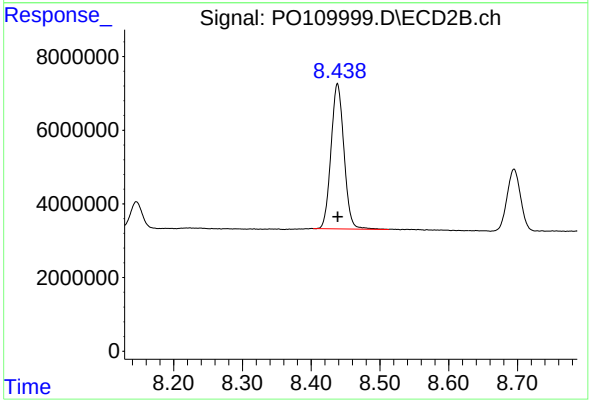
#45 AR-1268-5

R.T.: 8.481 min
Delta R.T.: 0.000 min
Response: 151815895
Conc: 47.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#45 AR-1268-5

R.T.: 8.438 min
Delta R.T.: 0.000 min
Response: 51592382
Conc: 52.26 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:34
Operator : YP/AJ
Sample : PO031925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO031925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:41:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:39:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	445.5E6	261.7E6	48.943	49.897
2)	SA Decachlor...	8.744	8.696	386.1E6	117.6E6	50.211	48.467
	Target Compounds						
3)	L1 AR-1016-1	4.784	4.771	165.3E6	89338991	491.286	487.512
4)	L1 AR-1016-2	4.804	4.790	229.3E6	128.0E6	494.517	489.369
5)	L1 AR-1016-3	4.860	4.966	158.0E6	69159098	492.753	487.796
6)	L1 AR-1016-4	4.981	5.008	124.5E6	57510192	492.750	487.665
7)	L1 AR-1016-5	5.238	5.221	133.3E6	74393726	484.896	486.492
31)	L7 AR-1260-1	6.280	6.253	235.0E6	125.1E6	498.624	489.686
32)	L7 AR-1260-2	6.469	6.441	287.0E6	145.2E6	481.955	483.545
33)	L7 AR-1260-3	6.837	6.594	243.8E6	137.4E6	502.299	475.363
34)	L7 AR-1260-4	7.097	7.065	212.4E6	103.8E6	500.751	482.426
35)	L7 AR-1260-5	7.339	7.306	531.0E6	241.3E6	507.683	483.788

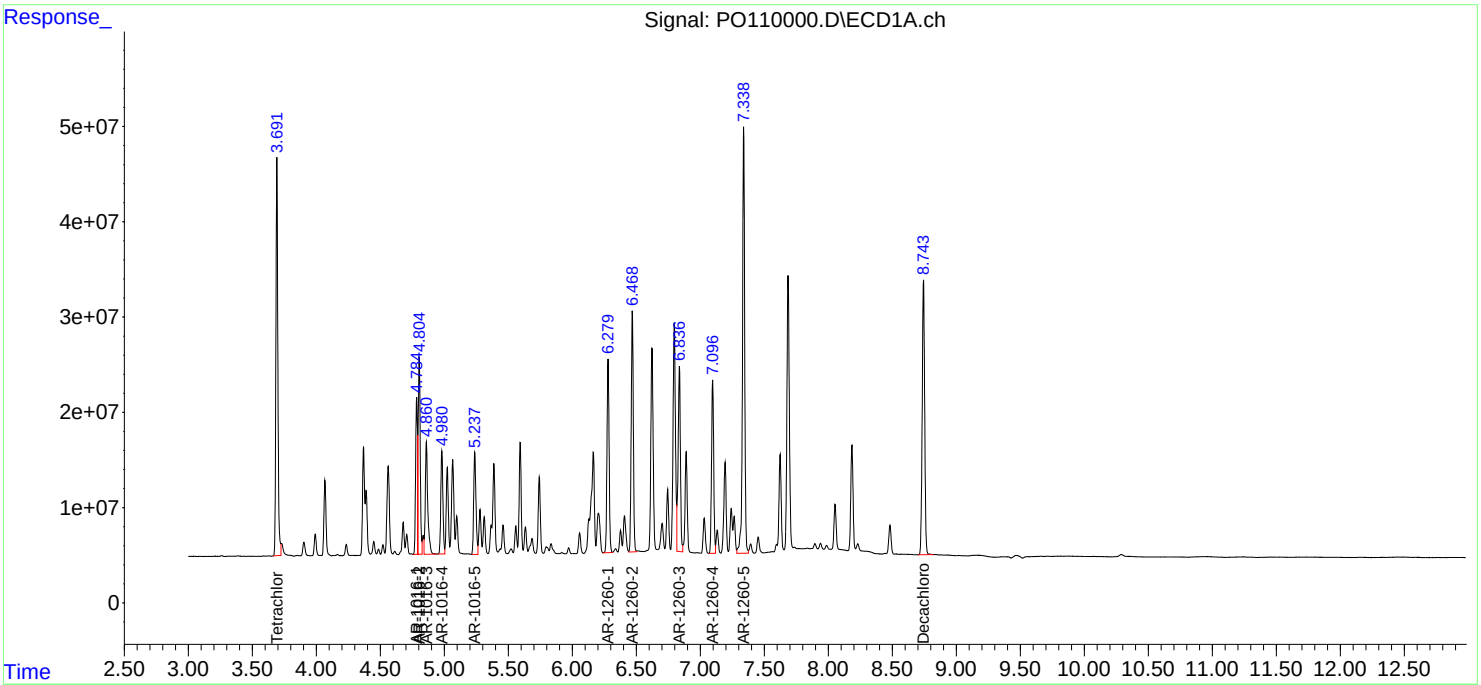
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

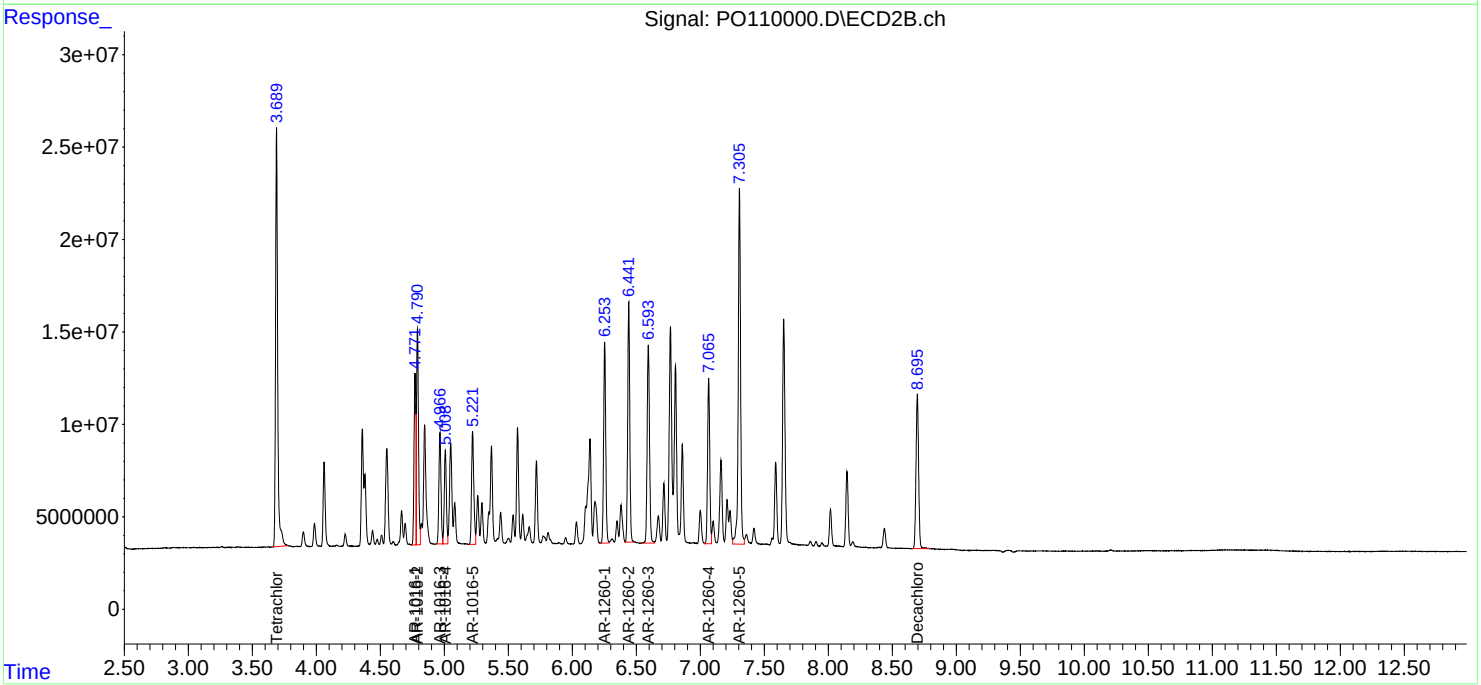
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:34
Operator : YP/AJ
Sample : PO031925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

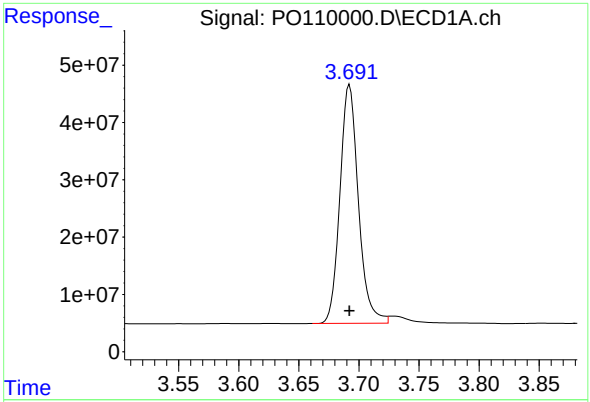
Instrument :
ECD_O
ClientSampleId :
ICVPO031925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:41:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:39:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



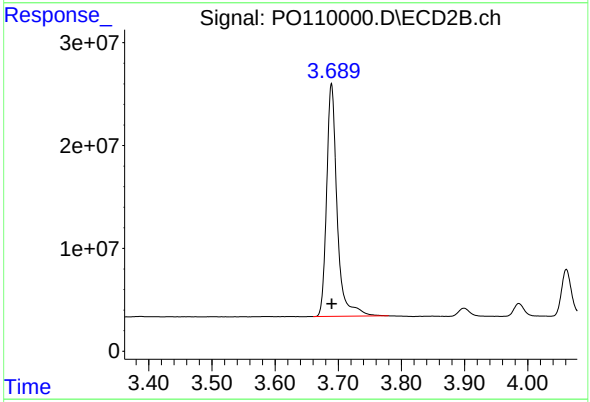




#1 Tetrachloro-m-xylene

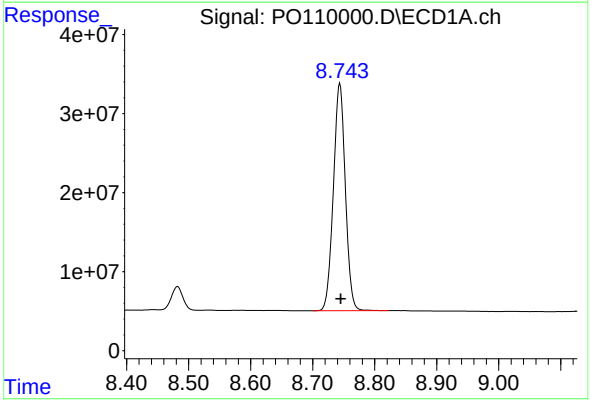
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 445455679
Conc: 48.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925



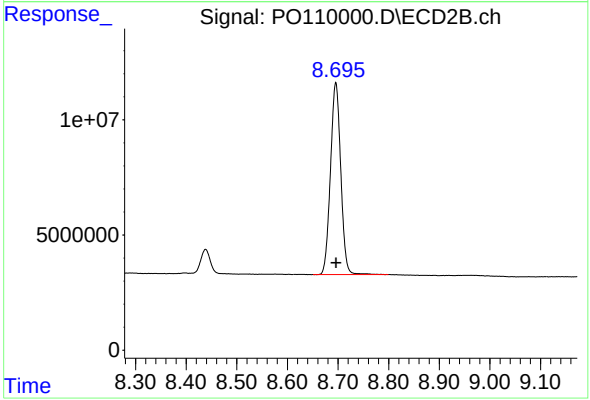
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 261663576
Conc: 49.90 ng/ml



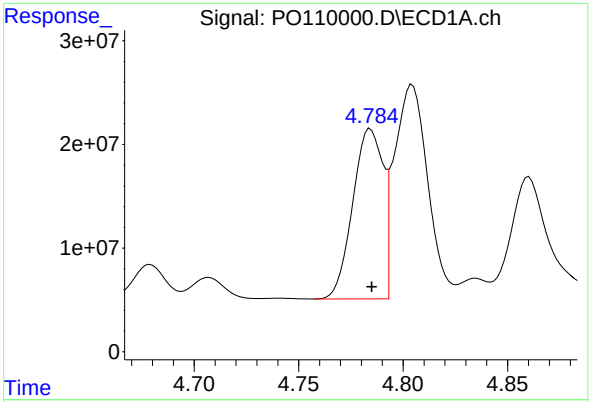
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 386058371
Conc: 50.21 ng/ml



#2 Decachlorobiphenyl

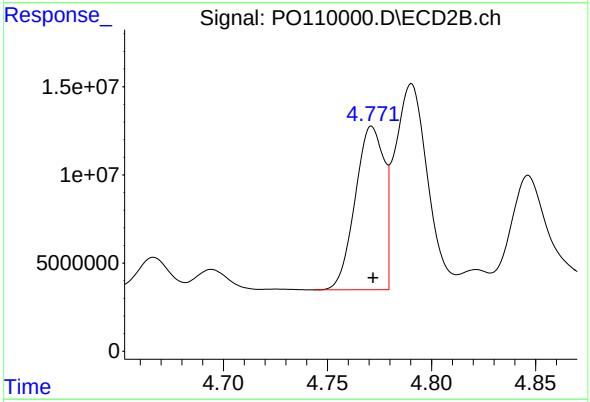
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 117585250
Conc: 48.47 ng/ml



#3 AR-1016-1

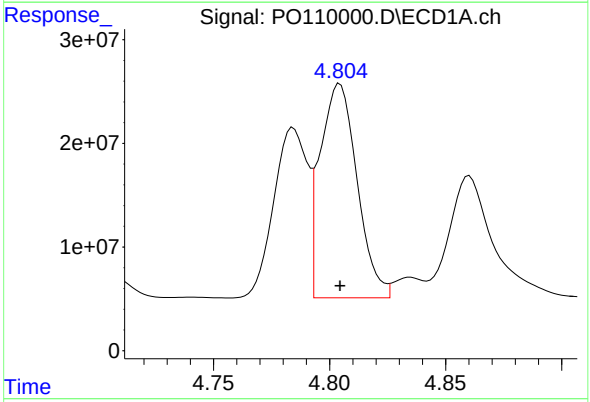
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 165339415
Conc: 491.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925



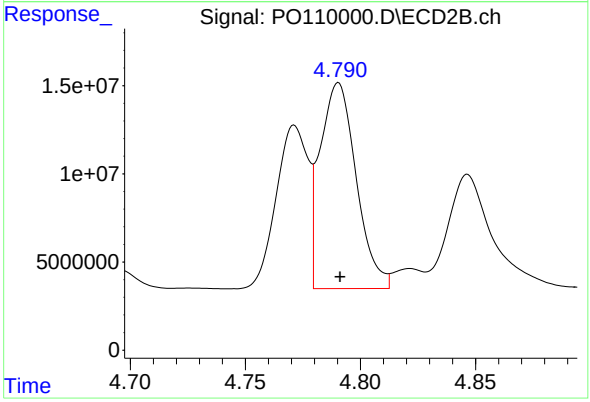
#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 89338991
Conc: 487.51 ng/ml



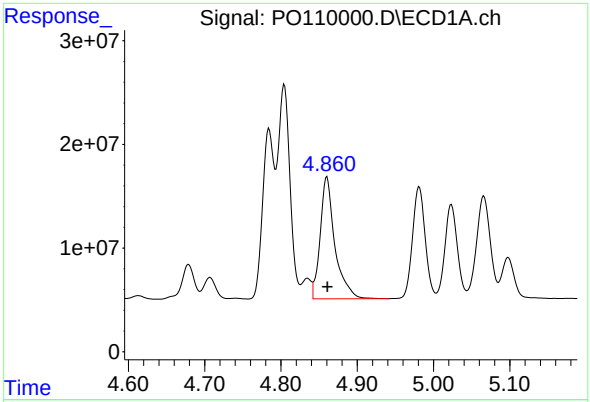
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 229300386
Conc: 494.52 ng/ml



#4 AR-1016-2

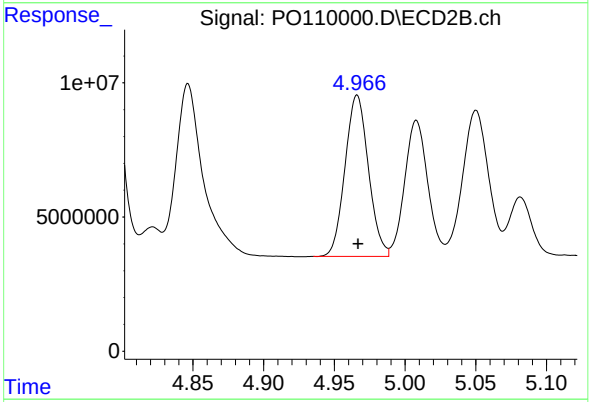
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 127972100
Conc: 489.37 ng/ml



#5 AR-1016-3

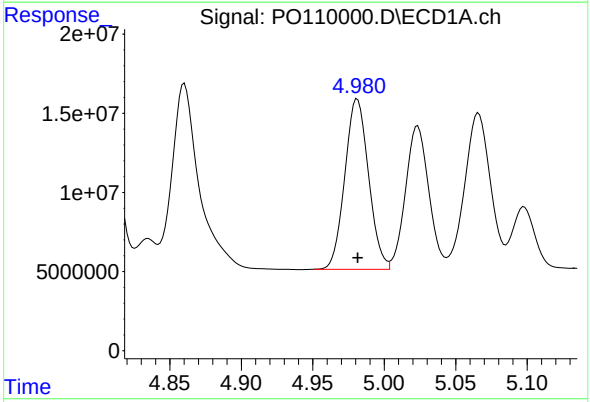
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 157969845
Conc: 492.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925



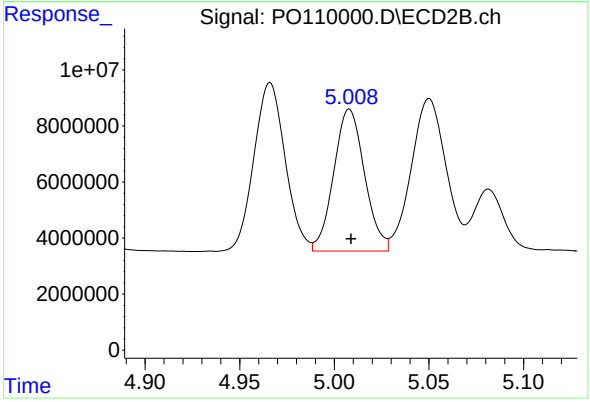
#5 AR-1016-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 69159098
Conc: 487.80 ng/ml



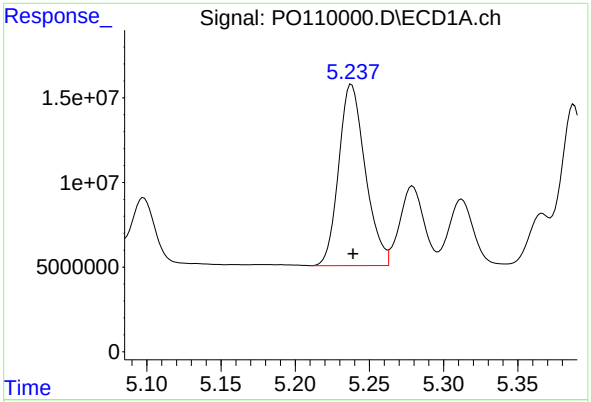
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 124512743
Conc: 492.75 ng/ml



#6 AR-1016-4

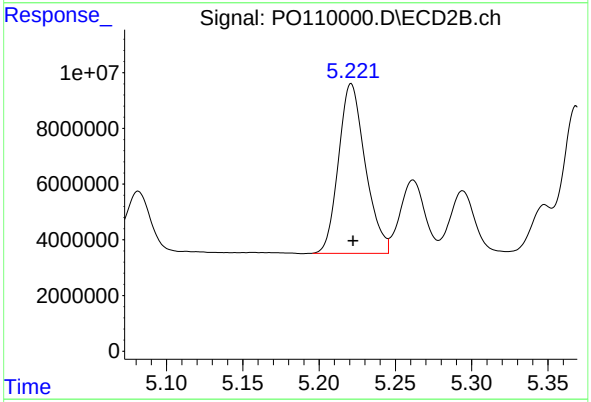
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 57510192
Conc: 487.66 ng/ml



#7 AR-1016-5

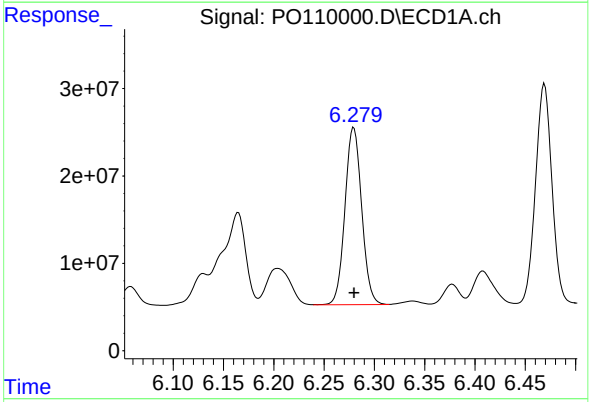
R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 133281979
Conc: 484.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925



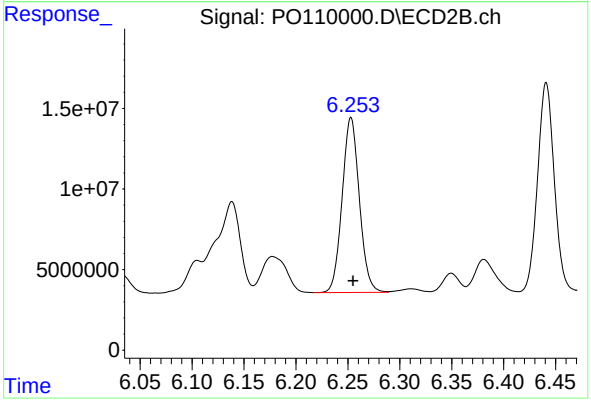
#7 AR-1016-5

R.T.: 5.221 min
Delta R.T.: -0.001 min
Response: 74393726
Conc: 486.49 ng/ml



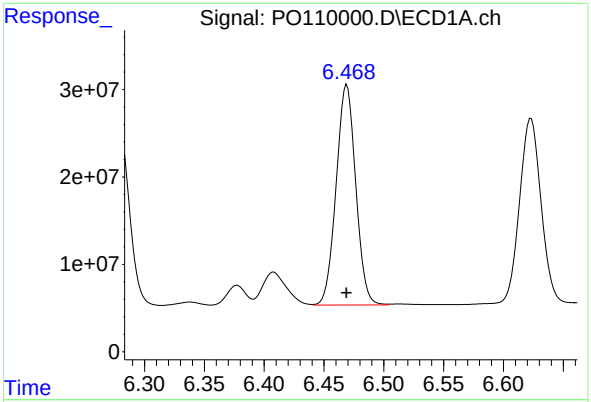
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 235026886
Conc: 498.62 ng/ml



#31 AR-1260-1

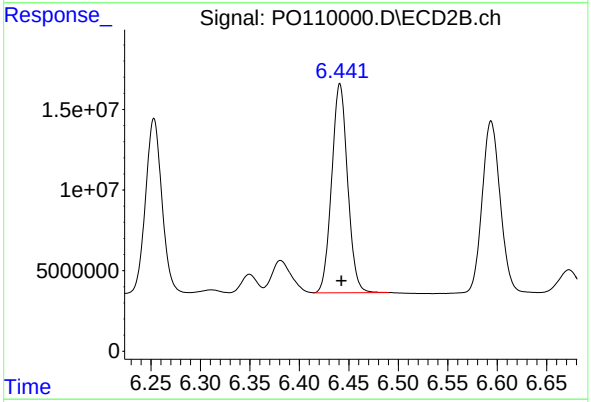
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 125086324
Conc: 489.69 ng/ml



#32 AR-1260-2

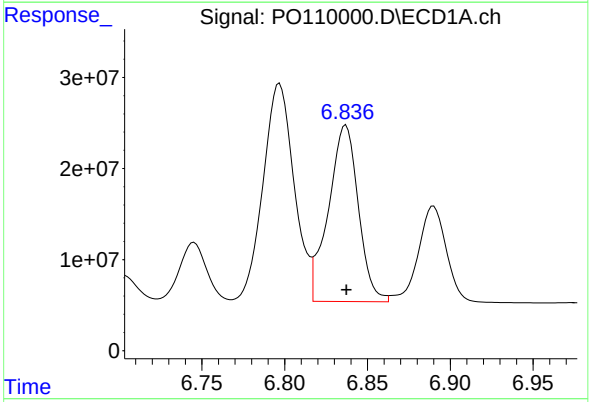
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 287013411
Conc: 481.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925



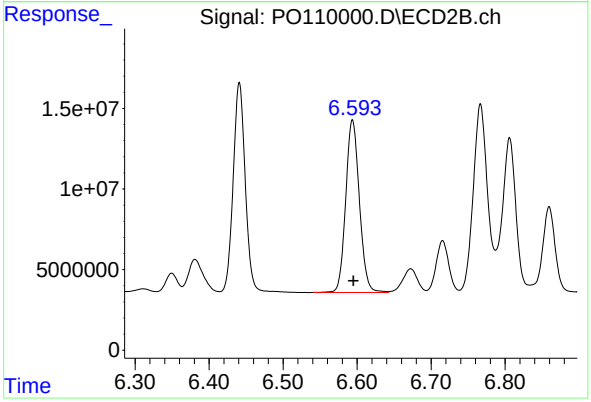
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.001 min
Response: 145201446
Conc: 483.54 ng/ml



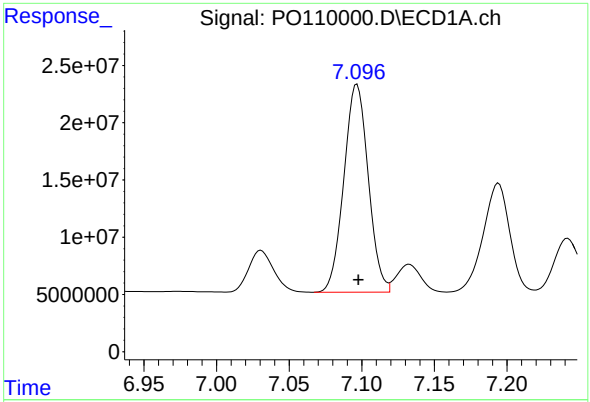
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 243766592
Conc: 502.30 ng/ml



#33 AR-1260-3

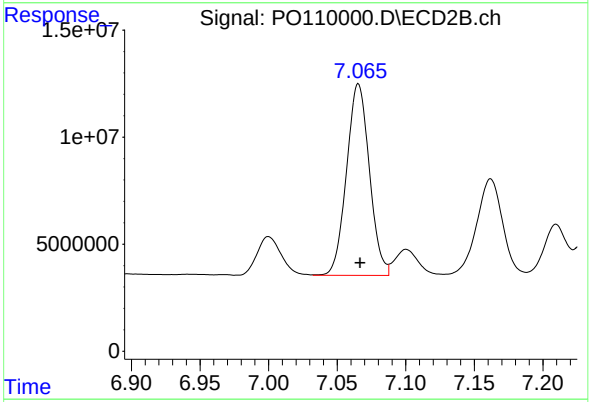
R.T.: 6.594 min
Delta R.T.: -0.001 min
Response: 137371501
Conc: 475.36 ng/ml



#34 AR-1260-4

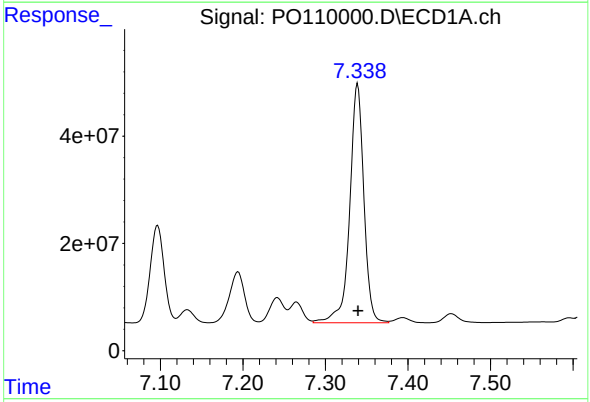
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 212402639
Conc: 500.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925



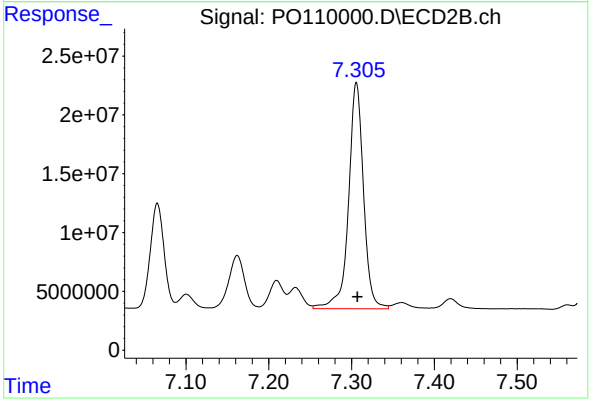
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.001 min
Response: 103759489
Conc: 482.43 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 530958243
Conc: 507.68 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.001 min
Response: 241263068
Conc: 483.79 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 23:47
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:43:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	445.5E6	254.1E6	52.578	52.663
2)	SA Decachlor...	8.744	8.695	378.1E6	113.8E6	52.496	50.899
	Target Compounds						
16)	L4 AR-1242-1	4.785	4.771	138.5E6	75308322	517.896	515.050
17)	L4 AR-1242-2	4.804	4.791	190.3E6	107.0E6	516.964	514.473
18)	L4 AR-1242-3	4.861	4.966	132.7E6	58059678	514.485	520.188
19)	L4 AR-1242-4	4.981	5.050	104.1E6	58816332	520.236	507.140
20)	L4 AR-1242-5	5.634	5.572	109.1E6	71078329	516.760	517.905

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

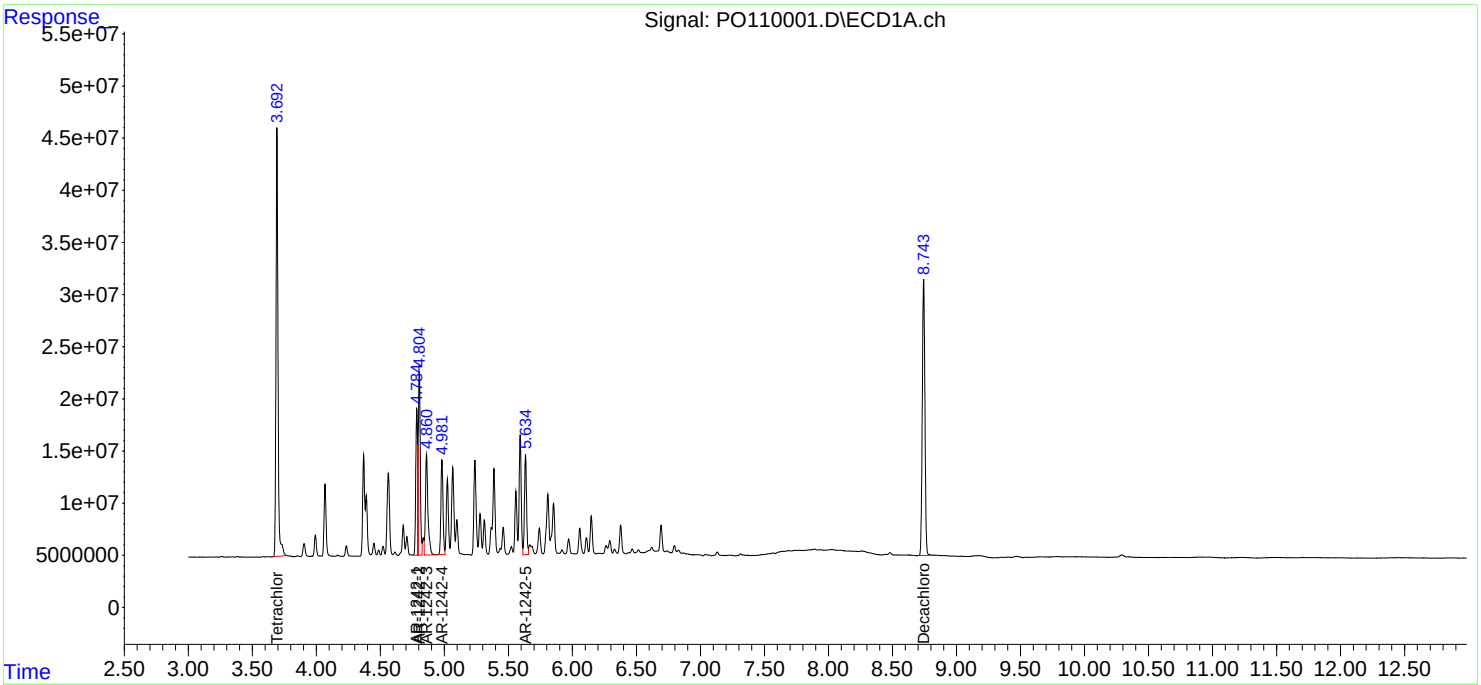
ICAL Form

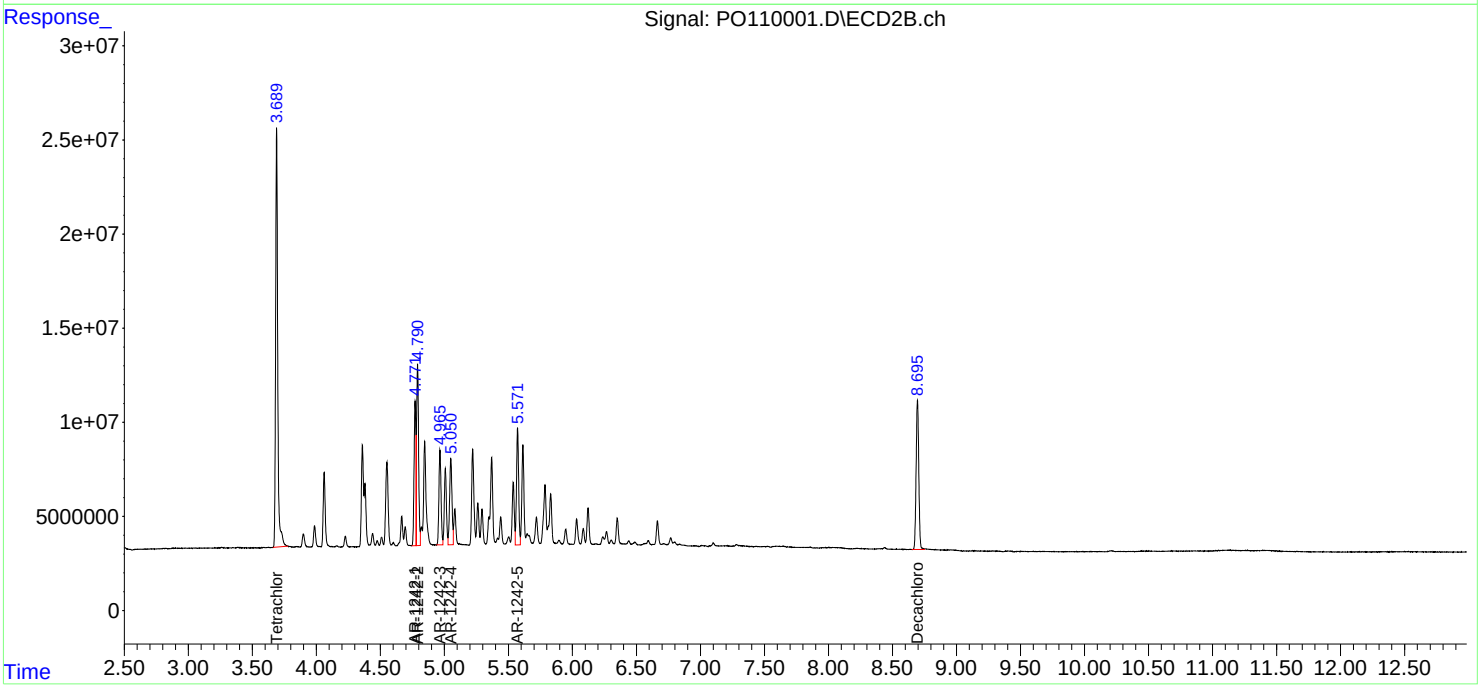
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 23:47
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

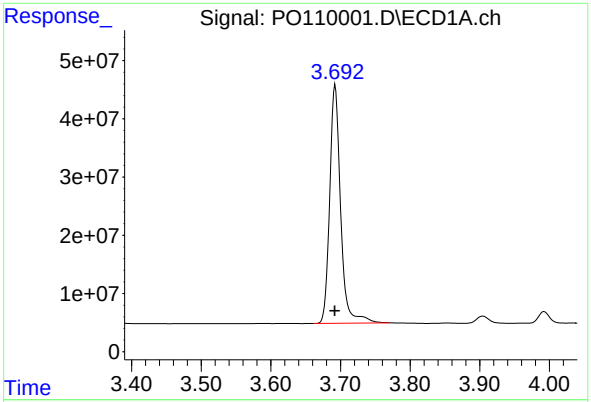
Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:43:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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



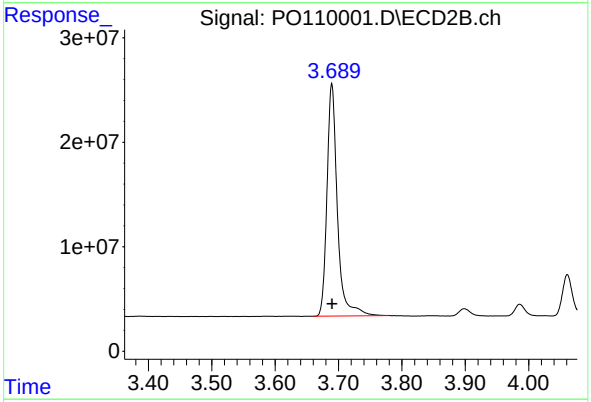




#1 Tetrachloro-m-xylene

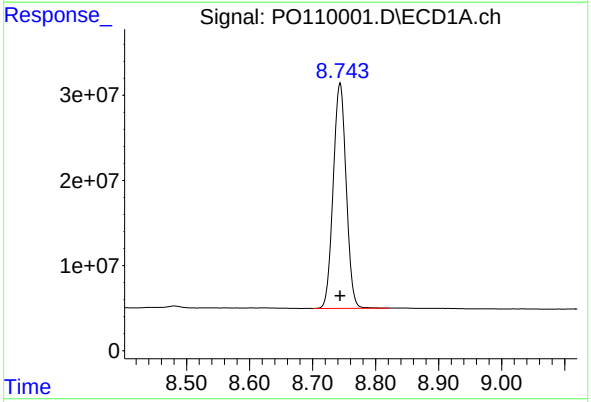
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 445457667
Conc: 52.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1242



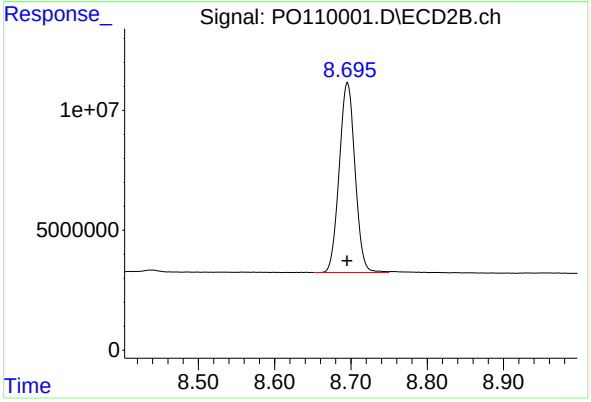
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 254125961
Conc: 52.66 ng/ml



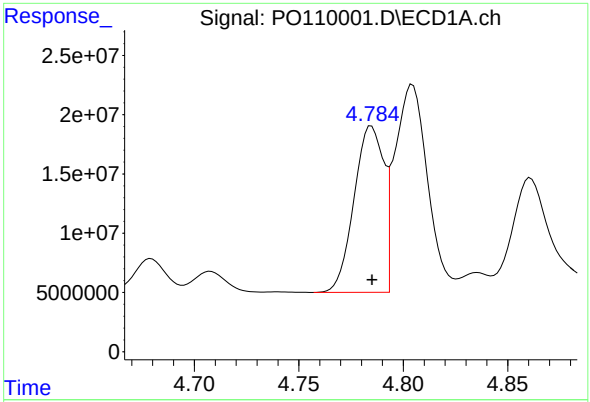
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 378060054
Conc: 52.50 ng/ml



#2 Decachlorobiphenyl

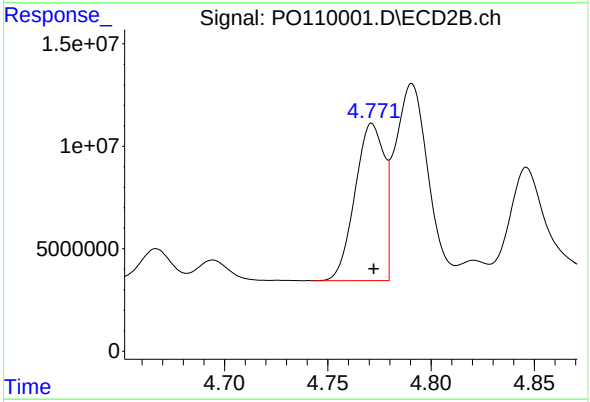
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 113786439
Conc: 50.90 ng/ml



#16 AR-1242-1

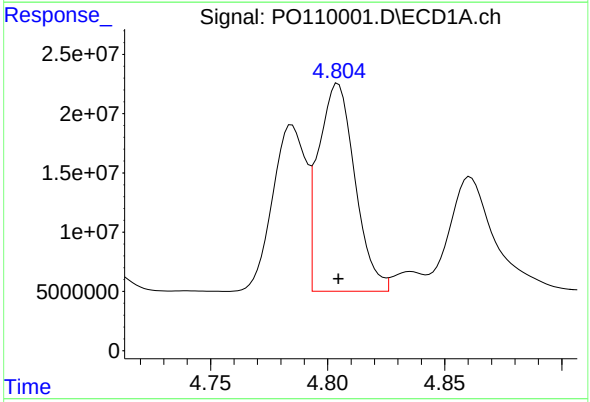
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 138489149
Conc: 517.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1242



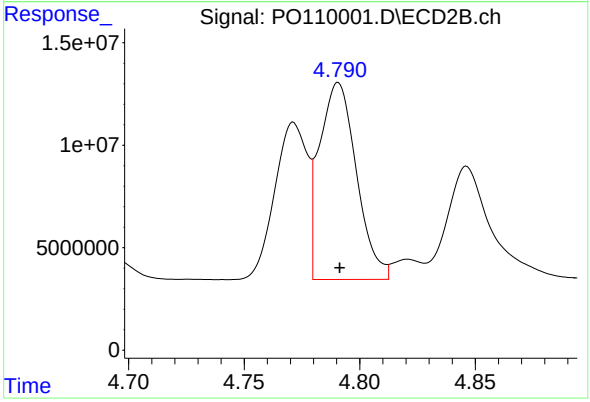
#16 AR-1242-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 75308322
Conc: 515.05 ng/ml



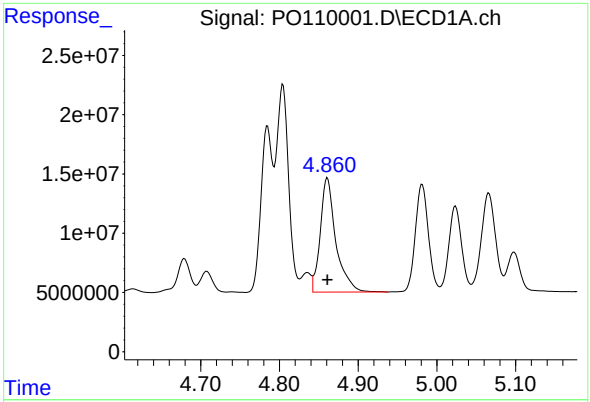
#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 190347656
Conc: 516.96 ng/ml



#17 AR-1242-2

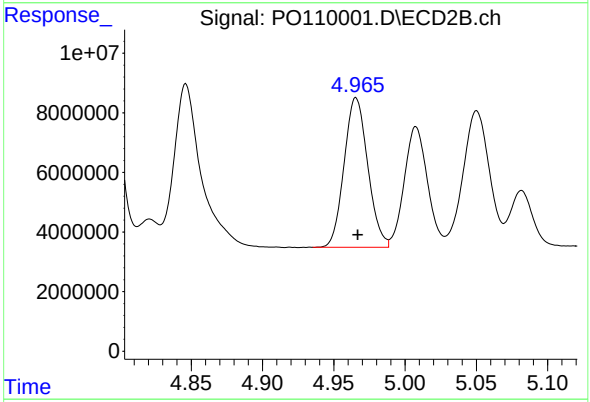
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 107028573
Conc: 514.47 ng/ml



#18 AR-1242-3

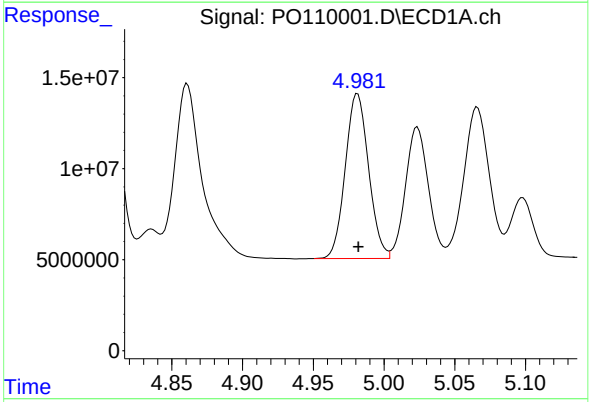
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 132711818
Conc: 514.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1242



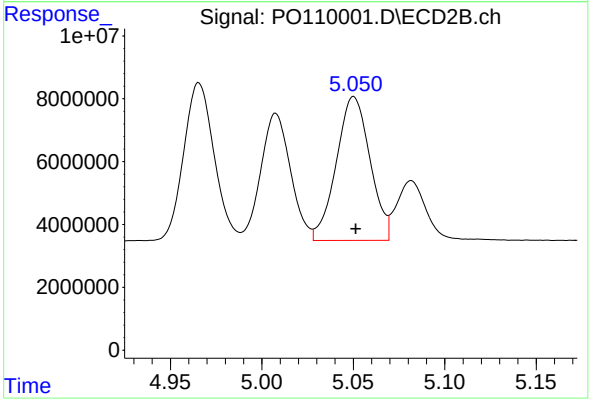
#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: -0.001 min
Response: 58059678
Conc: 520.19 ng/ml



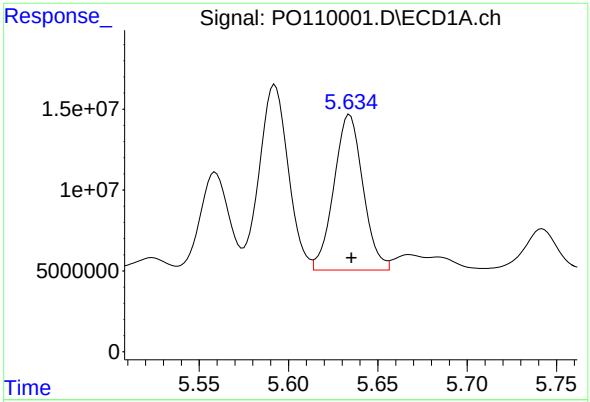
#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 104096142
Conc: 520.24 ng/ml



#19 AR-1242-4

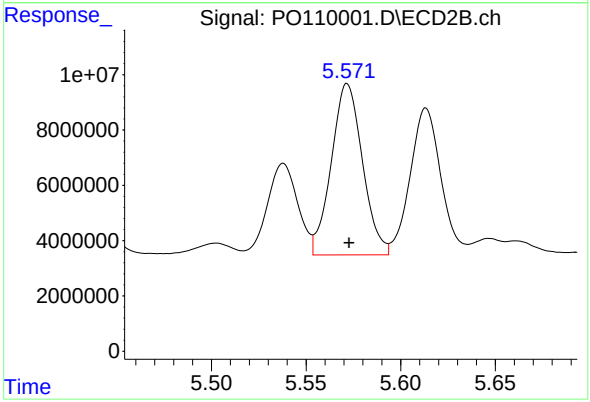
R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 58816332
Conc: 507.14 ng/ml



#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 109065446
Conc: 516.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1242



#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 71078329
Conc: 517.90 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:05
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	453.1E6	257.7E6	48.851	48.659
2)	SA Decachlor...	8.743	8.695	387.8E6	116.2E6	49.748	49.559
	Target Compounds						
21)	L5 AR-1248-1	4.784	4.771	108.4E6	58618795	492.939	487.181
22)	L5 AR-1248-2	5.023	5.008	147.5E6	82104463	489.895	487.213
23)	L5 AR-1248-3	5.238	5.050	184.5E6	87652547	492.701	489.391
24)	L5 AR-1248-4	5.592	5.221	258.0E6	102.0E6	493.069	489.250
25)	L5 AR-1248-5	5.634	5.613	182.7E6	99745645	494.045	489.737

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

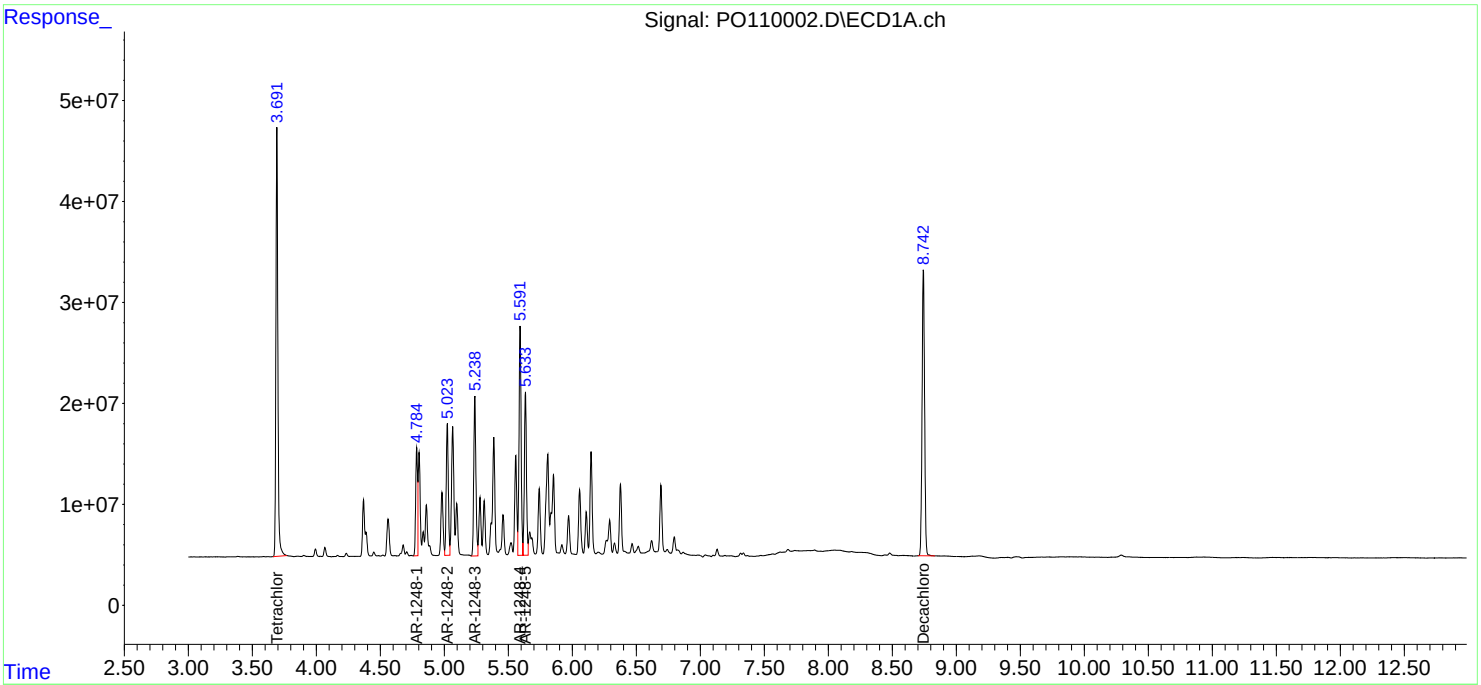
ICAL Form

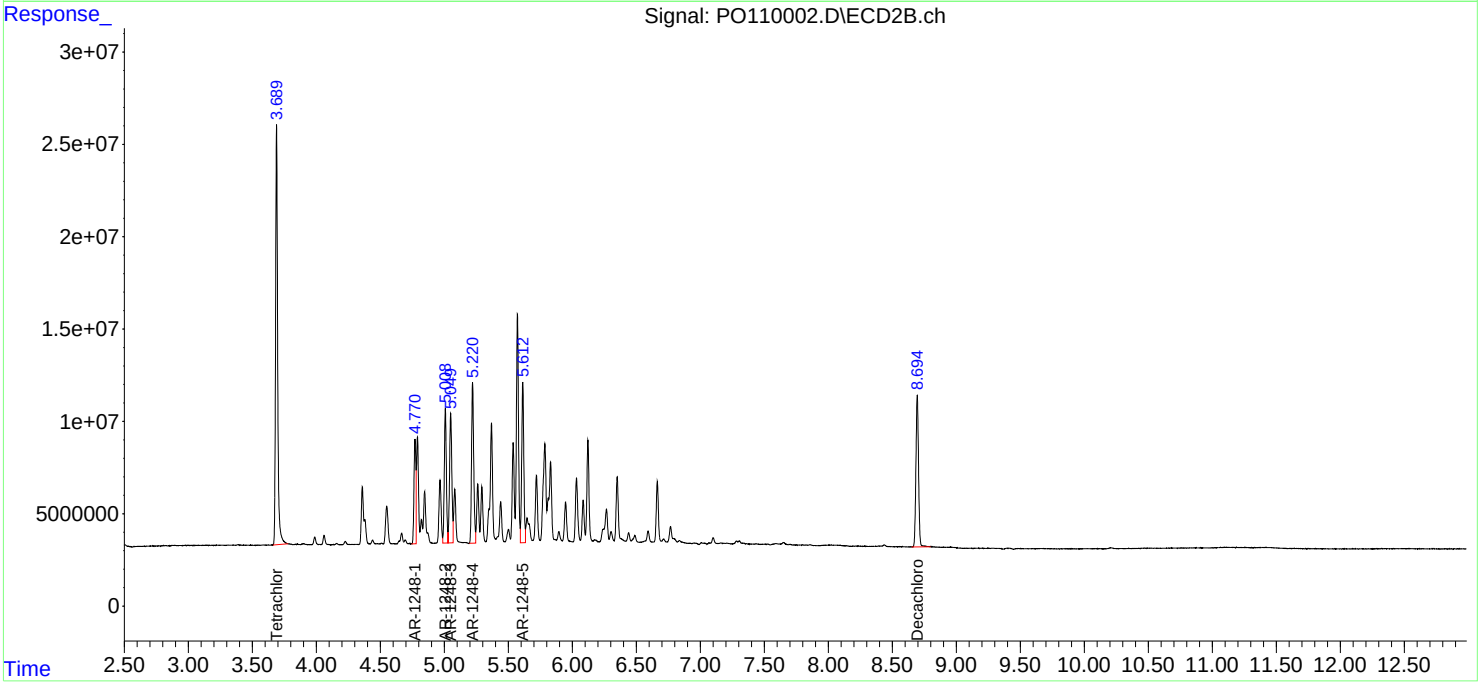
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:05
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

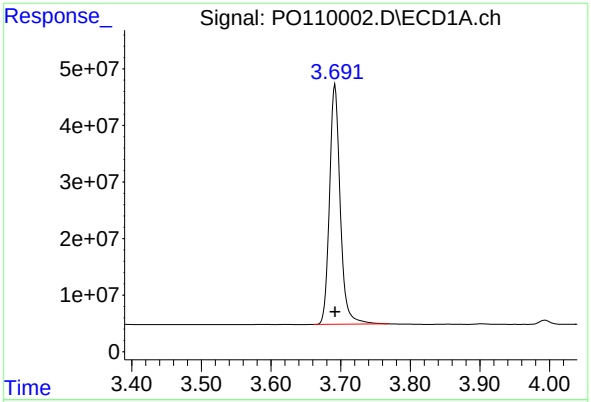
Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



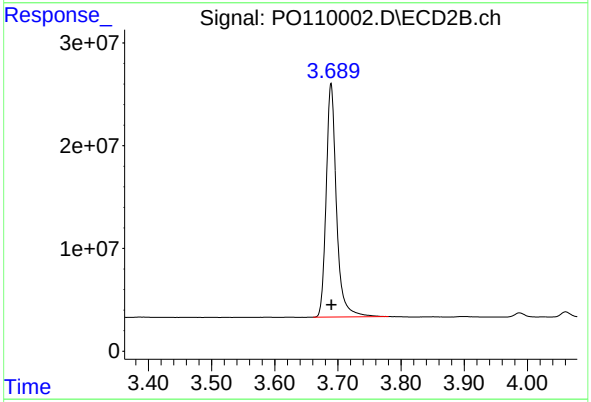




#1 Tetrachloro-m-xylene

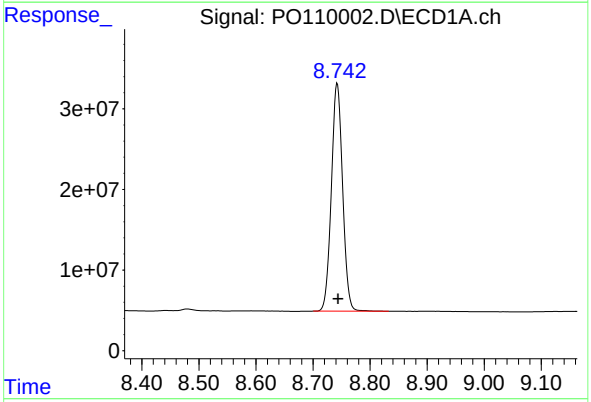
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 453137446
Conc: 48.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1248



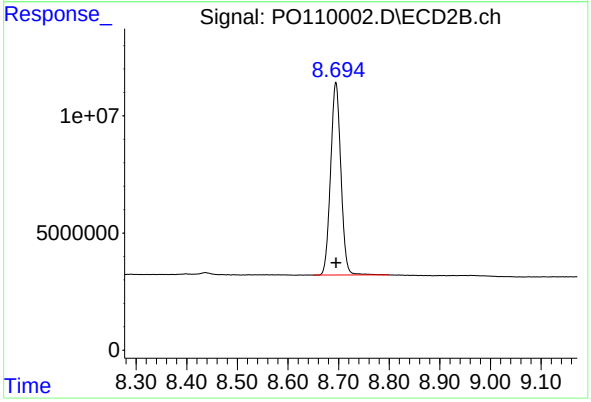
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 257654315
Conc: 48.66 ng/ml



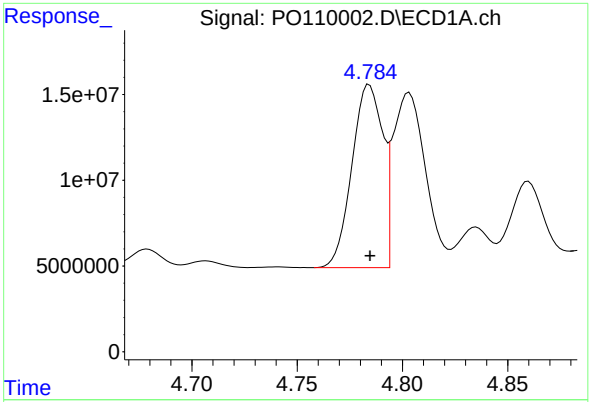
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.001 min
Response: 387771183
Conc: 49.75 ng/ml



#2 Decachlorobiphenyl

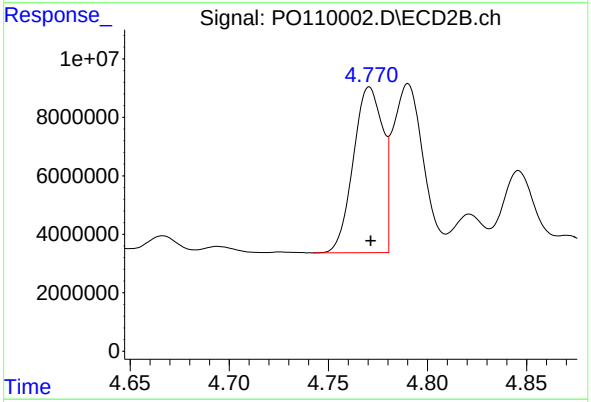
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 116199328
Conc: 49.56 ng/ml



#21 AR-1248-1

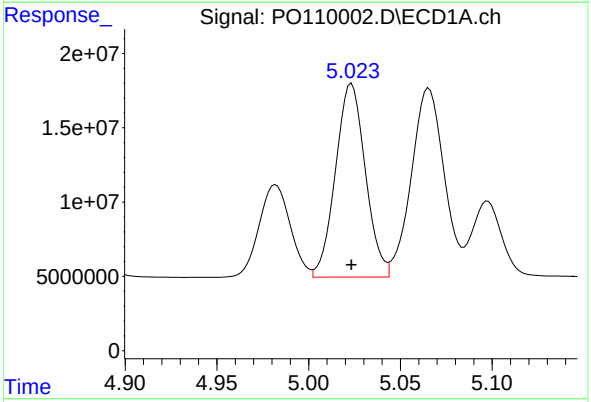
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 108417858
Conc: 492.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1248



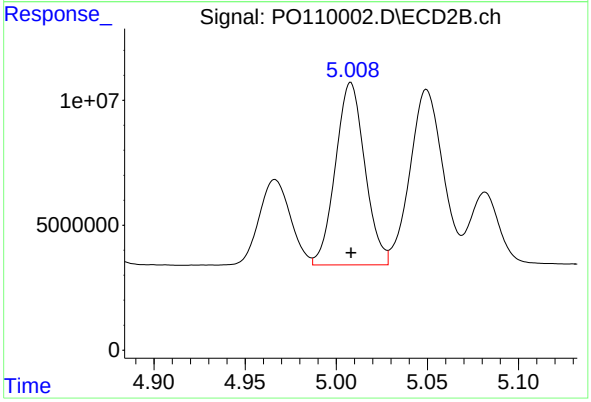
#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 58618795
Conc: 487.18 ng/ml



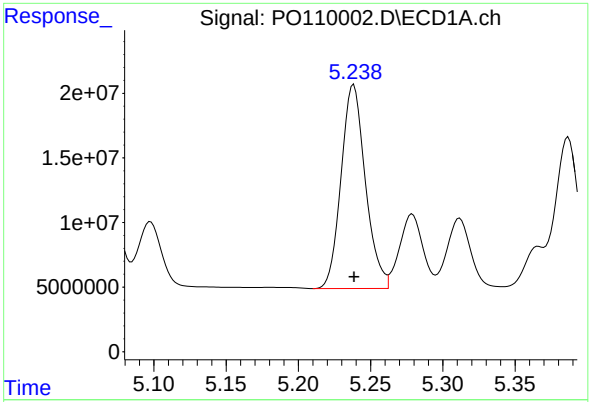
#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: 0.000 min
Response: 147491637
Conc: 489.90 ng/ml



#22 AR-1248-2

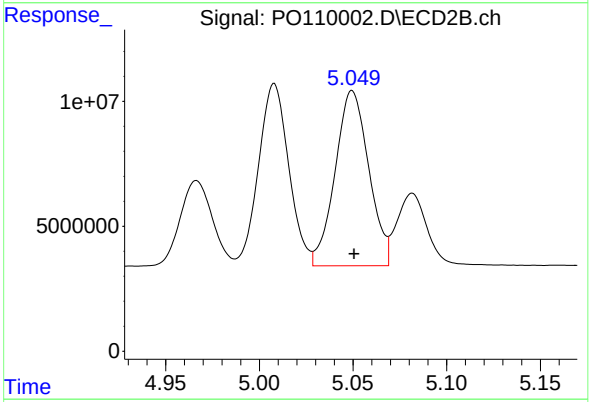
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 82104463
Conc: 487.21 ng/ml



#23 AR-1248-3

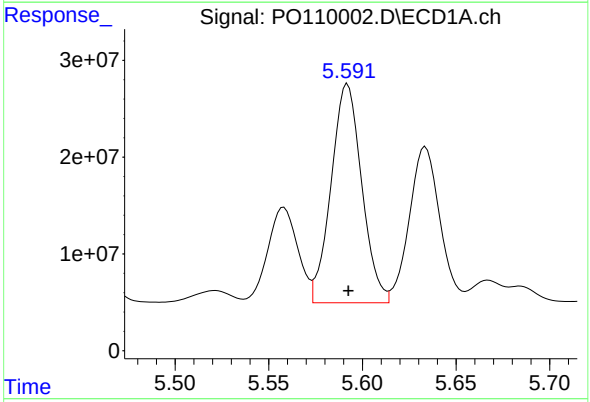
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 184471566
Conc: 492.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1248



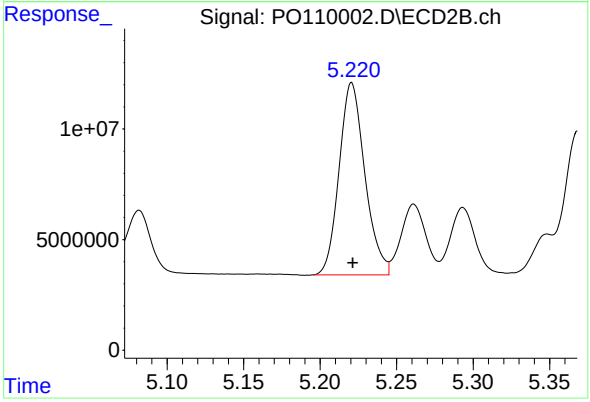
#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 87652547
Conc: 489.39 ng/ml



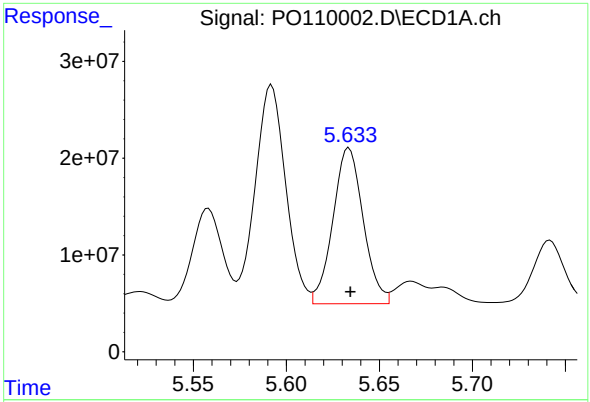
#24 AR-1248-4

R.T.: 5.592 min
Delta R.T.: 0.000 min
Response: 258010469
Conc: 493.07 ng/ml



#24 AR-1248-4

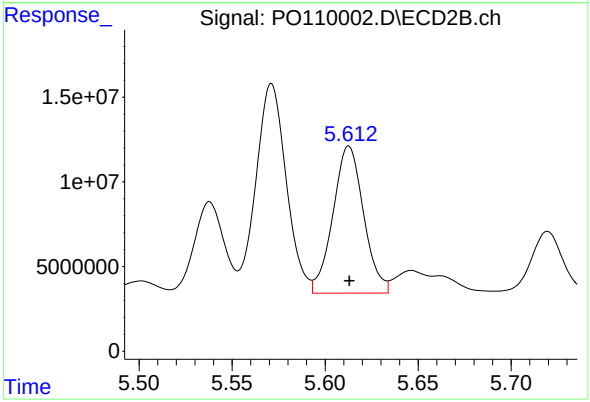
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 102041710
Conc: 489.25 ng/ml



#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 182660838
Conc: 494.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1248



#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 99745645
Conc: 489.74 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:24
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	450.3E6	255.9E6	47.966	47.857
2)	SA Decachlor...	8.743	8.695	386.1E6	115.4E6	49.078	47.699
	Target Compounds						
26)	L6 AR-1254-1	5.593	5.572	270.9E6	148.9E6	484.350	483.813
27)	L6 AR-1254-2	5.743	5.720	234.3E6	129.7E6	484.326	483.086
28)	L6 AR-1254-3	6.148	6.123	381.8E6	203.6E6	483.781	483.489
29)	L6 AR-1254-4	6.377	6.350	236.7E6	117.7E6	486.513	481.783
30)	L6 AR-1254-5	6.797	6.768	332.2E6	169.1E6	488.082	485.104

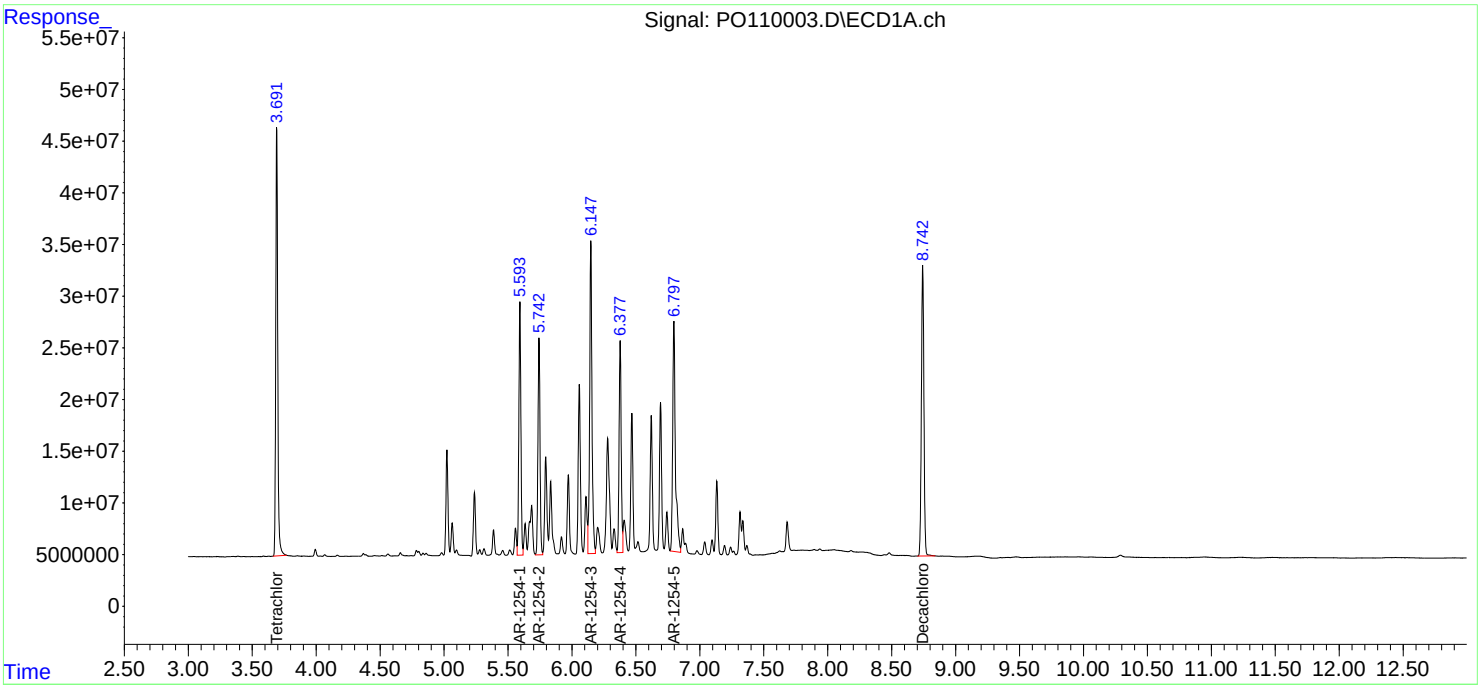
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

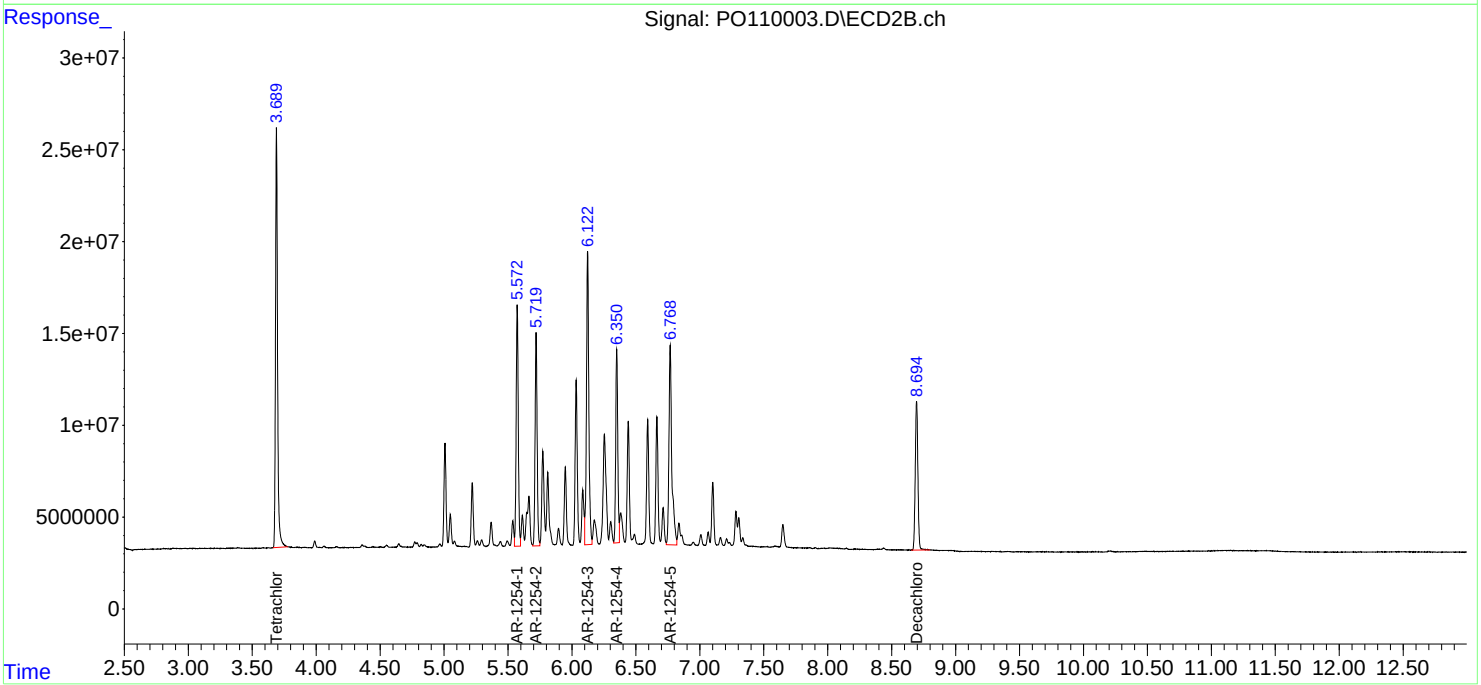
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:24
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

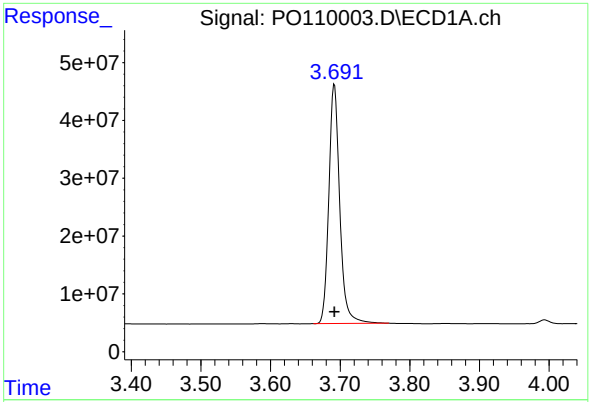
Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



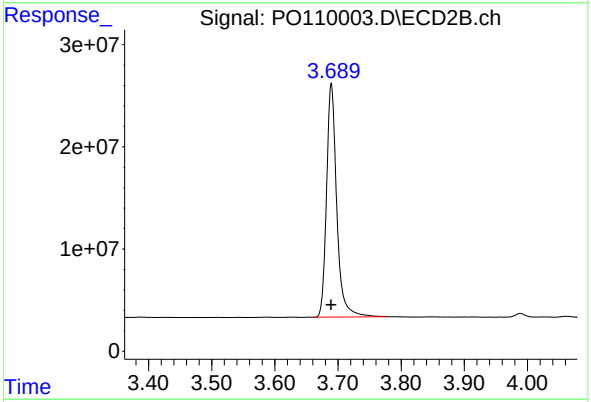




#1 Tetrachloro-m-xylene

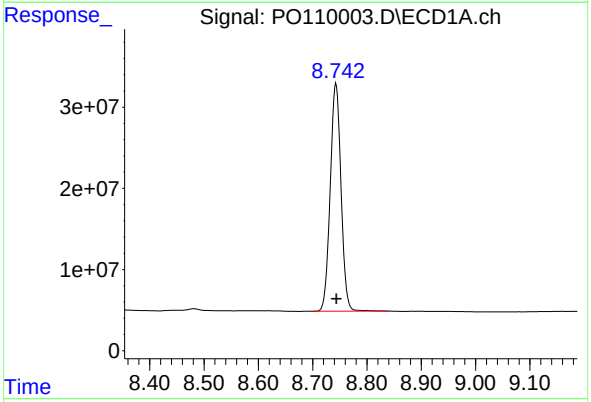
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 450272597
Conc: 47.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1254



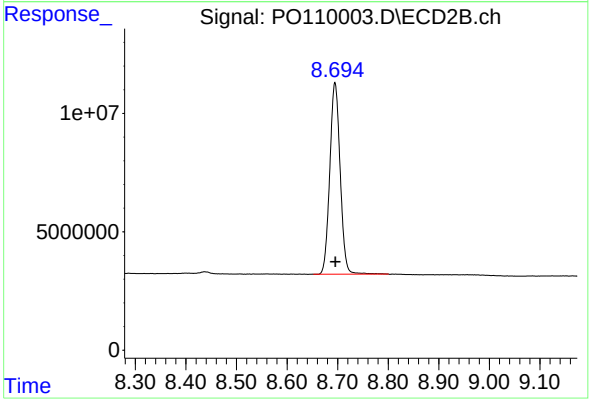
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 255886625
Conc: 47.86 ng/ml



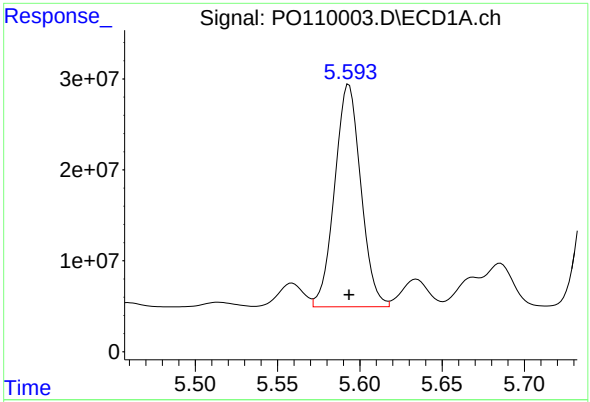
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 386111719
Conc: 49.08 ng/ml



#2 Decachlorobiphenyl

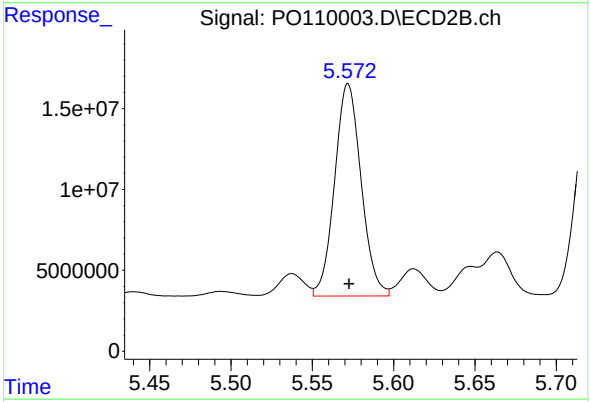
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 115363596
Conc: 47.70 ng/ml



#26 AR-1254-1

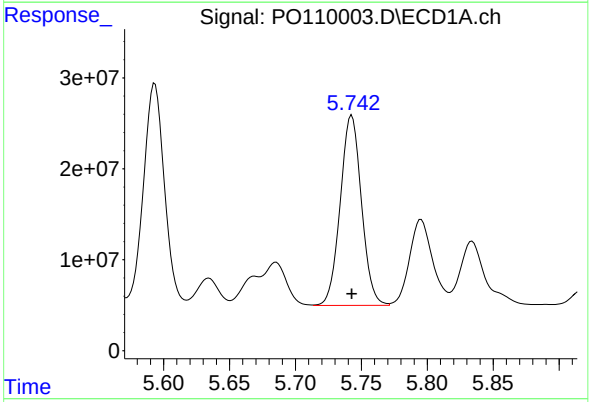
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 270904261
Conc: 484.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1254



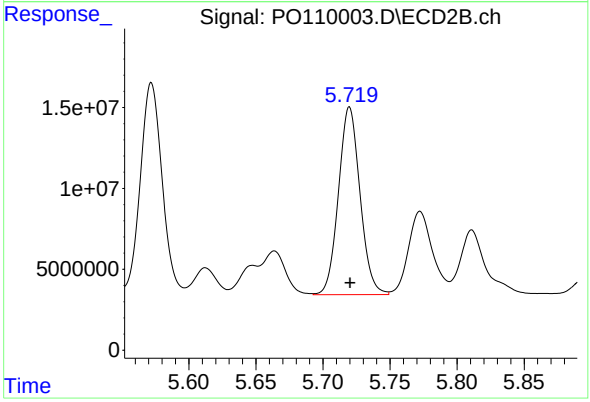
#26 AR-1254-1

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 148880437
Conc: 483.81 ng/ml



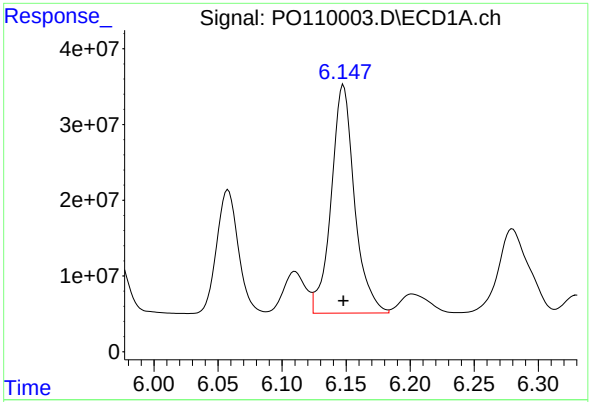
#27 AR-1254-2

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 234269646
Conc: 484.33 ng/ml



#27 AR-1254-2

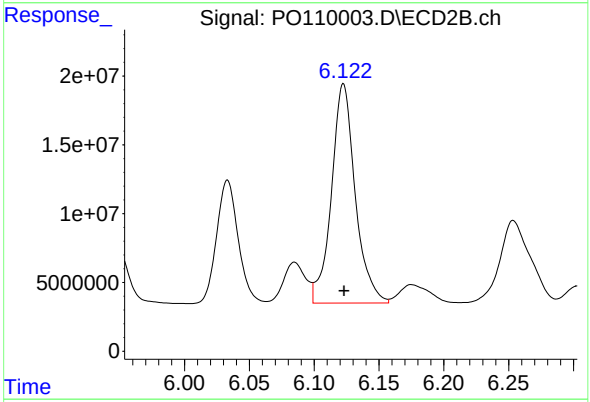
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 129704001
Conc: 483.09 ng/ml



#28 AR-1254-3

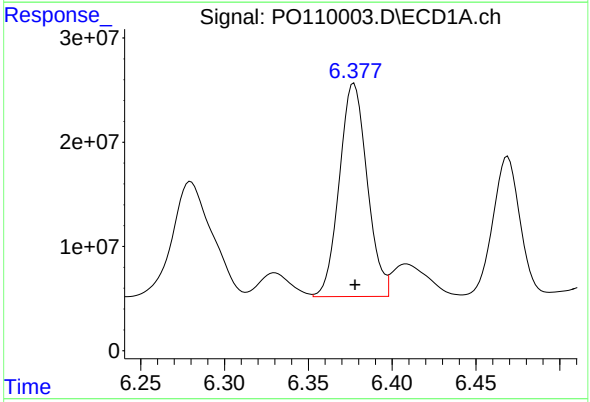
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 381837309
Conc: 483.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1254



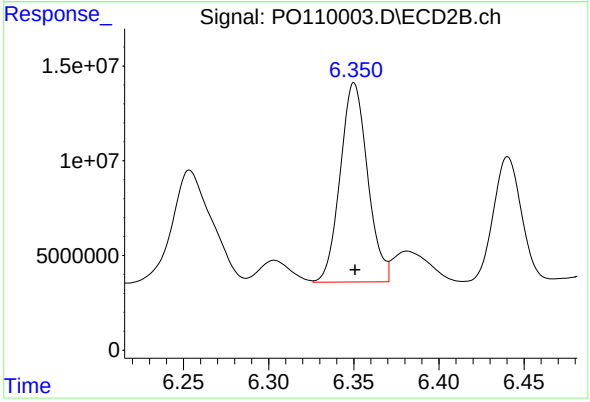
#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 203649298
Conc: 483.49 ng/ml



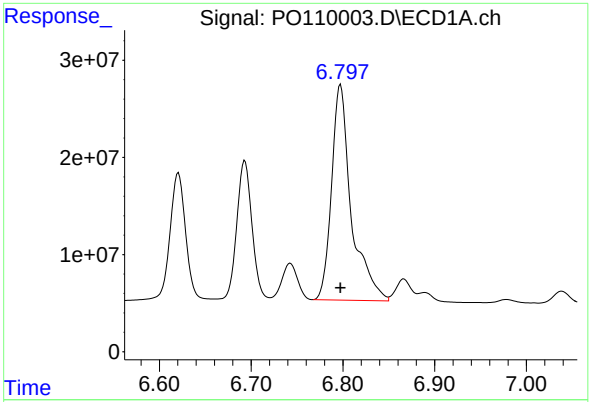
#29 AR-1254-4

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 236662409
Conc: 486.51 ng/ml



#29 AR-1254-4

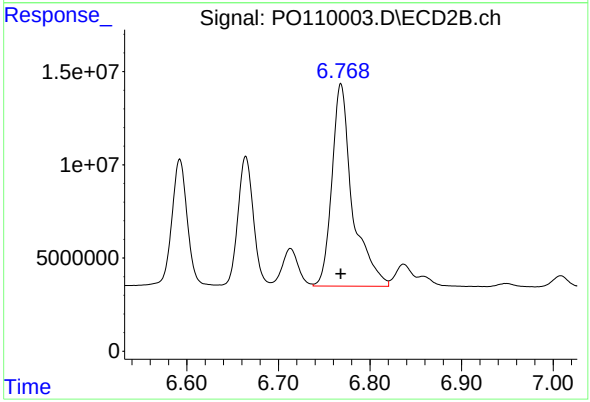
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 117742050
Conc: 481.78 ng/ml



#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 332152185
Conc: 488.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1254



#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 169138710
Conc: 485.10 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:42
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.690	450.4E6	255.9E6	48.546	48.447
2)	SA Decachlor...	8.744	8.696	690.0E6	201.4E6	48.863	48.609
	Target Compounds						
41)	L9 AR-1268-1	7.624	7.590	683.9E6	280.8E6	487.341	485.631
42)	L9 AR-1268-2	7.689	7.654	622.6E6	259.1E6	486.560	486.478
43)	L9 AR-1268-3	7.897	7.862	509.4E6	200.7E6	490.473	486.052
44)	L9 AR-1268-4	8.184	8.146	217.2E6	79710818	485.391	491.969
45)	L9 AR-1268-5	8.482	8.440	1574.6E6	478.9E6	487.695	485.135

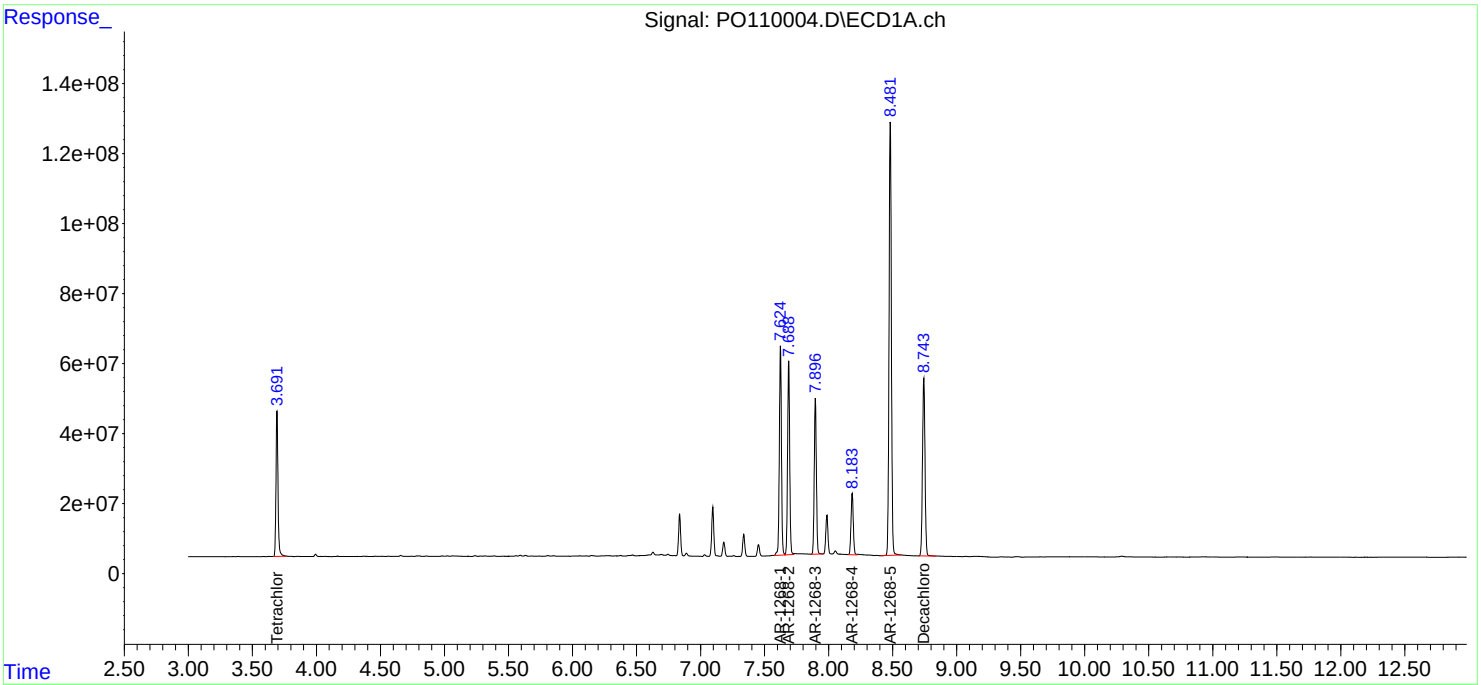
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

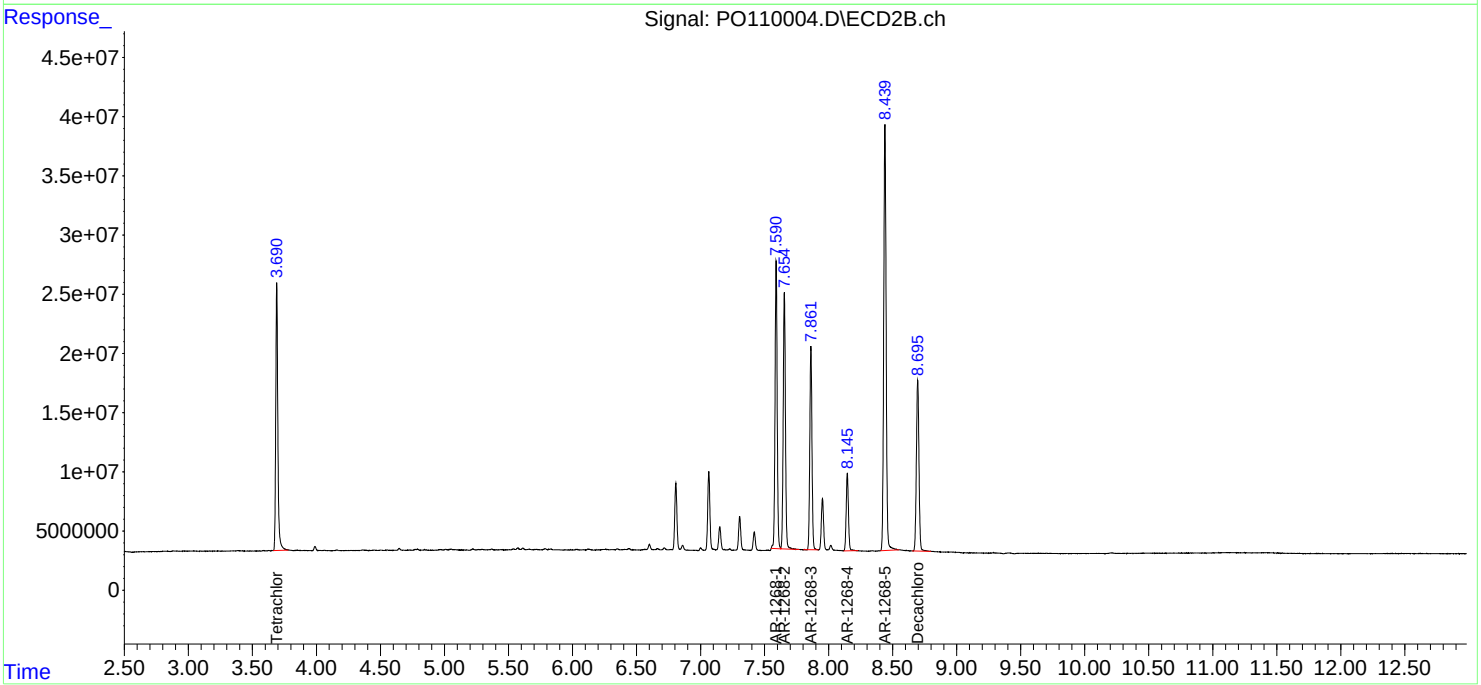
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:42
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

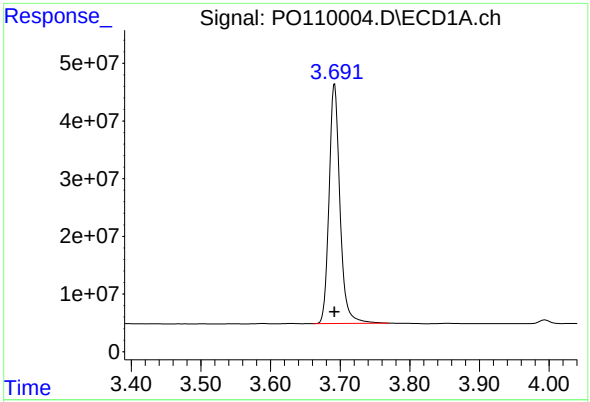
Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



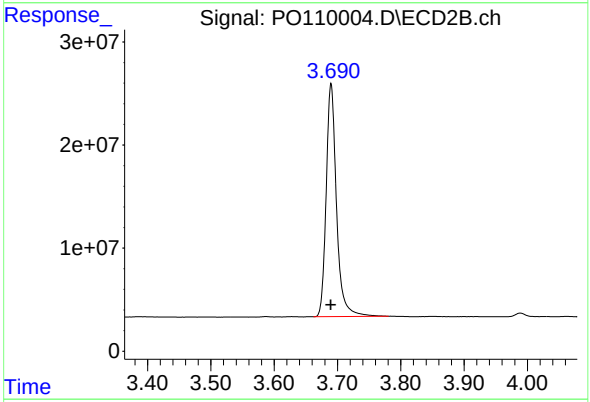




#1 Tetrachloro-m-xylene

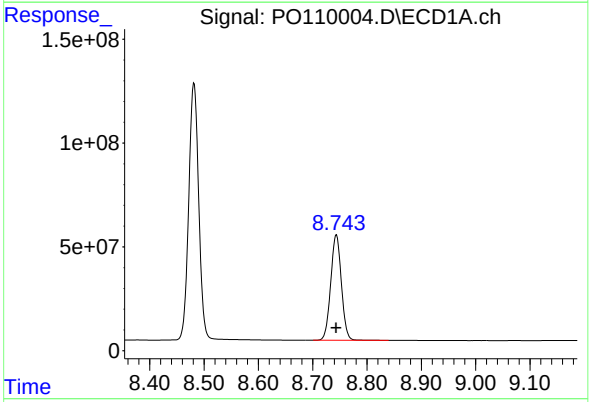
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 450382059
Conc: 48.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1268



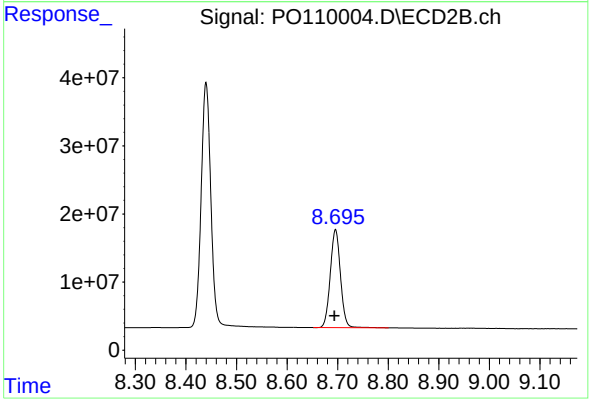
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 255894244
Conc: 48.45 ng/ml



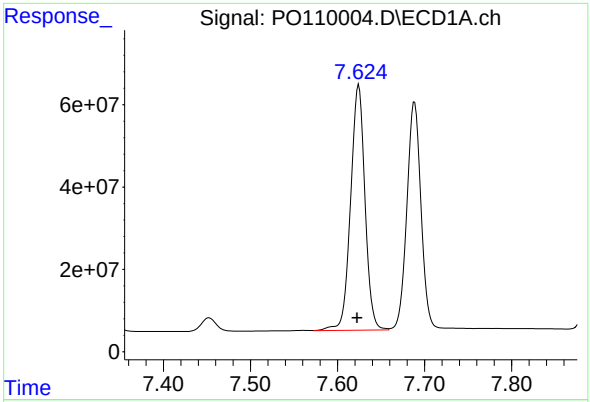
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 689957964
Conc: 48.86 ng/ml



#2 Decachlorobiphenyl

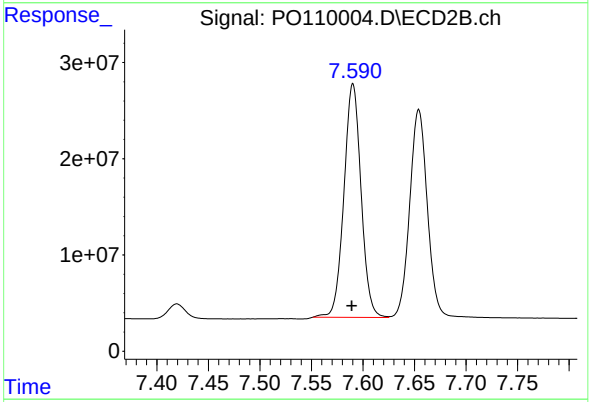
R.T.: 8.696 min
Delta R.T.: 0.002 min
Response: 201448574
Conc: 48.61 ng/ml



#41 AR-1268-1

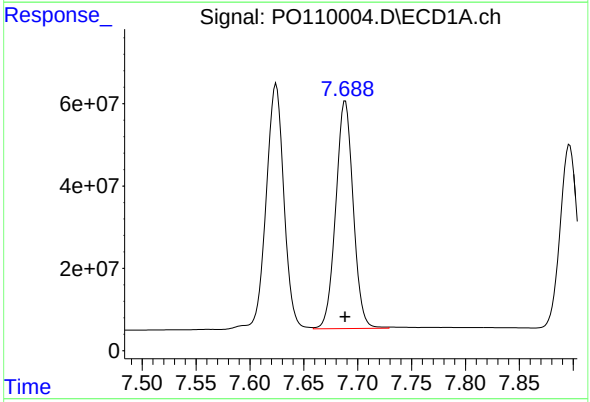
R.T.: 7.624 min
Delta R.T.: 0.002 min
Response: 683899311
Conc: 487.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1268



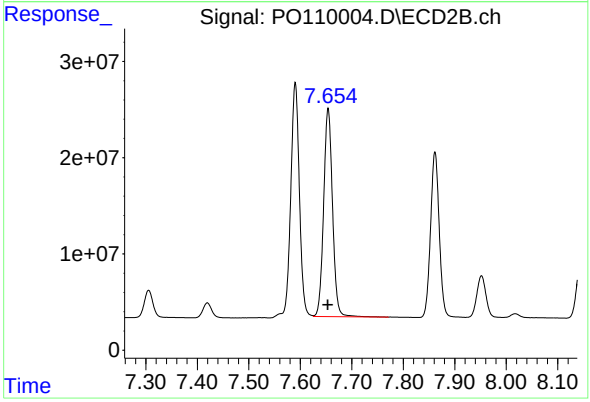
#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.001 min
Response: 280794579
Conc: 485.63 ng/ml



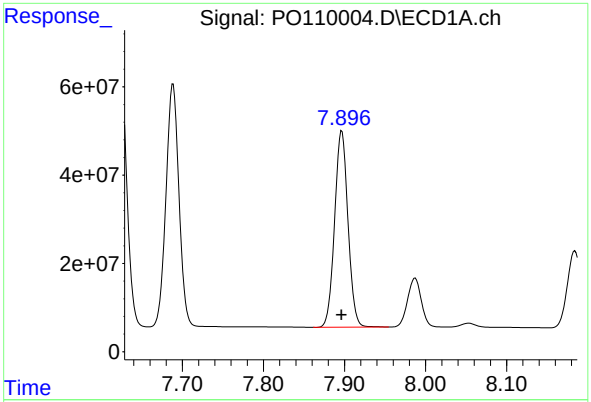
#42 AR-1268-2

R.T.: 7.689 min
Delta R.T.: 0.000 min
Response: 622617772
Conc: 486.56 ng/ml



#42 AR-1268-2

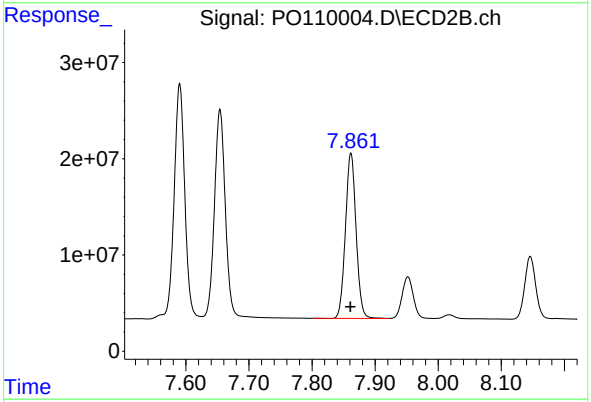
R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 259115661
Conc: 486.48 ng/ml



#43 AR-1268-3

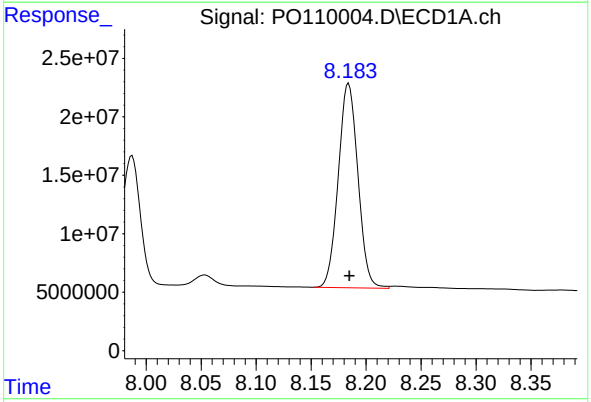
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 509428626
Conc: 490.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1268



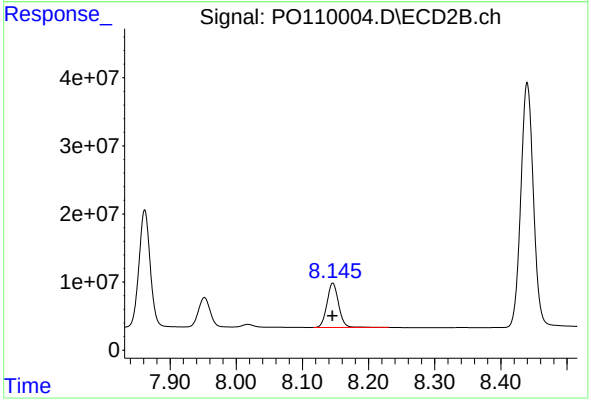
#43 AR-1268-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 200699301
Conc: 486.05 ng/ml



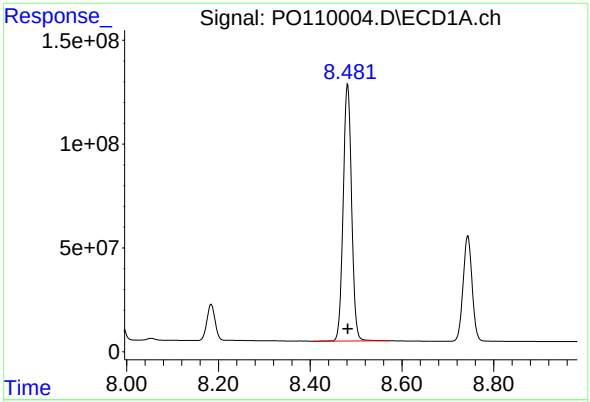
#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 217182692
Conc: 485.39 ng/ml



#44 AR-1268-4

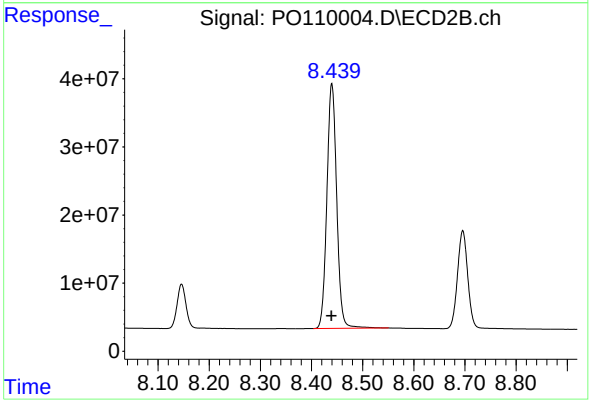
R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 79710818
Conc: 491.97 ng/ml



#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 1574576275
Conc: 487.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO031925AR1268



#45 AR-1268-5

R.T.: 8.440 min
Delta R.T.: 0.000 min
Response: 478896315
Conc: 485.13 ng/ml

Raw Data

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

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

LAB FILE ID: RT 1000 = PP070917.D RT 750 = PP070918.D

RT 500 = PP070919.D RT 250 = PP070920.D RT 050 = PP070921.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.67	5.67	5.66	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.51	7.51	7.51	7.51	7.41	7.61
Aroclor-1260-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.09	8.09	8.09	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.41	8.42	8.41	8.41	8.41	8.41	8.31	8.51
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.52	4.51	4.52	4.51	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.66	5.67	5.66	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.84	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.57	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.51	4.52	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1254-3	(3)	7.10	7.09	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-3	(3)	9.06	9.06	9.05	9.06	9.05	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.47	9.47	9.47	9.47	9.47	9.47	9.37	9.57
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.89	9.89	9.89	9.79	9.99

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene	4.52	4.51	4.51	4.52	4.51	4.51	4.41	4.61

Raw Data

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

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

LAB FILE ID: RT 1000 = PP070917.D RT 750 = PP070918.D

RT 500 = PP070919.D RT 250 = PP070920.D RT 050 = PP070921.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-3	(3)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1016-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1016-5	(5)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1260-1	(1)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-2	(2)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Aroclor-1260-3	(3)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1260-4	(4)	7.20	7.20	7.21	7.21	7.21	7.20	7.10	7.30
Aroclor-1260-5	(5)	7.45	7.44	7.45	7.45	7.45	7.45	7.35	7.55
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-3	(3)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1242-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-5	(5)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-3	(3)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-4	(4)	5.36	5.36	5.36	5.36	5.35	5.36	5.26	5.46
Aroclor-1248-5	(5)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1254-1	(1)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-2	(2)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1254-3	(3)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1254-4	(4)	6.49	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Aroclor-1254-5	(5)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1268-1	(1)	7.73	7.73	7.73	7.73	7.73	7.73	7.63	7.83
Aroclor-1268-2	(2)	7.80	7.80	7.79	7.79	7.79	7.79	7.69	7.89
Aroclor-1268-3	(3)	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Aroclor-1268-4	(4)	8.30	8.29	8.29	8.30	8.29	8.29	8.19	8.39
Aroclor-1268-5	(5)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene	3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

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

LAB FILE ID: **CF 1000 =** PP070917.D **CF 750 =** PP070918.D

CF 500 = PP070919.D **CF 250 =** PP070920.D **CF 050 =** PP070921.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	47478014	49171687	50934060	54324668	52347880	50851262	5
Aroclor-1016-2	(2)	72483549	74568483	78811172	80433884	83971080	78053634	6
Aroclor-1016-3	(3)	43541298	44043953	46815864	48849960	52621940	47174603	7
Aroclor-1016-4	(4)	36661280	36602855	39014928	39212148	32287440	36755730	7
Aroclor-1016-5	(5)	32204227	33487635	35040682	36610940	32217200	33912137	5
Aroclor-1260-1	(1)	60625379	62238407	66823960	72729028	73347280	67152811	8
Aroclor-1260-2	(2)	90805769	95497569	97808710	102858984	93710780	96136362	4
Aroclor-1260-3	(3)	75946924	78957439	82970652	86114216	75601760	79918198	5
Aroclor-1260-4	(4)	67190656	75020355	81451428	78145636	91876440	78736903	11
Aroclor-1260-5	(5)	154592706	156108101	159960800	166857288	156911780	158886135	3
Decachlorobiphenyl		1019047430	1065730867	1116449000	1115108760	946747800	1052616771	7
Tetrachloro-m-xylene		1424837400	1461405720	1519248320	1595716440	1306667000	1461574976	7
Aroclor-1242-1	(1)	40990074	42746281	43432670	43984636	48732080	43977148	6
Aroclor-1242-2	(2)	64704598	63862937	67024876	68850388	57138840	64316328	7
Aroclor-1242-3	(3)	39349869	38048504	39702972	40627540	47468380	41039453	9
Aroclor-1242-4	(4)	30814559	31466187	32277086	32194644	25864220	30523339	8
Aroclor-1242-5	(5)	36006298	34981232	37334376	38560396	35669740	36510408	4
Decachlorobiphenyl		1036298130	1063489027	1106293120	1153452680	1056566000	1083219791	4
Tetrachloro-m-xylene		1443947330	1507747640	1537397120	1567165920	1326698400	1476591282	6
Aroclor-1248-1	(1)	31141042	33379292	33781538	45988760	37146900	36287506	15
Aroclor-1248-2	(2)	42399779	44979081	46192256	47122176	43999640	44938586	4
Aroclor-1248-3	(3)	48055172	50777464	51825052	50697180	51832600	50637494	3
Aroclor-1248-4	(4)	59878410	63471275	67039892	73429036	56919340	64147591	9
Aroclor-1248-5	(5)	56652876	60504408	64286140	68519384	54268440	60846250	9
Decachlorobiphenyl		1072017300	1124462173	1205136680	1167091680	1109917800	1135725127	5
Tetrachloro-m-xylene		1462181050	1544091280	1549039360	1559485200	1464932600	1515945898	3
Aroclor-1254-1	(1)	60157506	63067431	65471886	66806416	66447920	64390232	4
Aroclor-1254-2	(2)	92838442	97047215	101802392	105556104	108208740	101090579	6
Aroclor-1254-3	(3)	92334650	98055471	99416554	103841140	104991280	99727819	5
Aroclor-1254-4	(4)	84238161	87780547	86802510	88788836	85373700	86596751	2
Aroclor-1254-5	(5)	74433164	79038301	80854650	83958584	83470140	80350968	5
Decachlorobiphenyl		1095432410	1144692320	1168417220	1194330360	1035516600	1127677782	6
Tetrachloro-m-xylene		1501288360	1551275560	1575746420	1626904120	1301718600	1511386612	8
Aroclor-1268-1	(1)	226575551	237927453	239660032	247892192	225482800	235507606	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	190380276	198934901	200232346	204948924	182079900	195315269	4
Aroclor-1268-3	(3)	163648333	171737784	173955356	177246576	167979860	170913582	3
Aroclor-1268-4	(4)	70377008	73665913	73237284	74802952	61652780	70747187	7
Aroclor-1268-5	(5)	459553484	481598519	482514296	498456744	458756600	476175929	3
Decachlorobiphenyl		1956984350	2055290840	2095781900	2171413960	2007035400	2057301290	4
Tetrachloro-m-xylene		1523485290	1594639080	1607574540	1645012520	1440121400	1562166566	5

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

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

LAB FILE ID: **CF 1000 =** PP070917.D **CF 750 =** PP070918.D

CF 500 = PP070919.D **CF 250 =** PP070920.D **CF 050 =** PP070921.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	34208953	37661787	37955886	45294856	45319420	40088180	12
Aroclor-1016-2	(2)	49610574	53393839	54380778	65503040	66437080	57865062	12
Aroclor-1016-3	(3)	27000462	29732755	29849058	35508136	32526120	30923306	10
Aroclor-1016-4	(4)	21229955	23465415	23793788	28635320	24655080	24355912	10
Aroclor-1016-5	(5)	26939544	29893109	30154374	37292184	37326660	32321174	14
Aroclor-1260-1	(1)	45249076	46519276	48240522	56226688	59796020	51206316	12
Aroclor-1260-2	(2)	58475471	61260192	62904038	69183788	67145740	63793846	6
Aroclor-1260-3	(3)	50913622	52312629	53920638	58739540	56547700	54486826	5
Aroclor-1260-4	(4)	42366044	44395528	47488628	49955128	54926140	47826294	10
Aroclor-1260-5	(5)	113066934	116639771	125312810	127263128	140268800	124510289	8
Decachlorobiphenyl		793547960	846236520	865016160	753569280	682611000	788196184	9
Tetrachloro-m-xylene		926488500	1023245573	1036748080	1124812280	1071924800	1036643847	7
Aroclor-1242-1	(1)	30391529	31772724	34649408	38698720	35466820	34195840	9
Aroclor-1242-2	(2)	43879042	45075739	49434800	55503780	52395240	49257720	9
Aroclor-1242-3	(3)	24103124	24630729	26618958	29833472	28035100	26644277	8
Aroclor-1242-4	(4)	23086538	23159225	25581538	28618736	31445140	26378235	13
Aroclor-1242-5	(5)	28647762	29235153	31558738	32962404	32387440	30958299	6
Decachlorobiphenyl		794686010	779465320	775544600	851493360	677466800	775731218	8
Tetrachloro-m-xylene		994474400	1020857307	1119824860	1120535680	1106593200	1072457089	6
Aroclor-1248-1	(1)	23297586	26737011	28501250	29207540	27656520	27079981	8
Aroclor-1248-2	(2)	31071420	35918237	38274460	38702620	39645560	36722459	9
Aroclor-1248-3	(3)	32592570	37701093	39964120	40477712	42561380	38659375	9
Aroclor-1248-4	(4)	38114246	43411732	47181776	48244244	48753000	45141000	9
Aroclor-1248-5	(5)	37031094	41115012	43925318	46634268	44688040	42678746	8
Decachlorobiphenyl		763432400	822192813	827097300	806313080	732328400	790272799	5
Tetrachloro-m-xylene		969522160	1045815880	1138159760	1084071480	1169729800	1081459816	7
Aroclor-1254-1	(1)	58928147	61799583	66082486	73787844	69490960	66017804	8
Aroclor-1254-2	(2)	50145967	53786207	56793554	64034708	60730300	57098147	9
Aroclor-1254-3	(3)	77448562	83642240	87764778	99090376	86260880	86841367	9
Aroclor-1254-4	(4)	49998215	54614948	55966900	64174348	55747980	56100478	9
Aroclor-1254-5	(5)	65979008	71358709	71825896	82425644	69163880	72150627	8
Decachlorobiphenyl		783483810	796181933	910832540	850283840	759277600	820011945	7
Tetrachloro-m-xylene		1042595600	1091536387	1108578240	1195164040	1067355200	1101045893	5
Aroclor-1268-1	(1)	165356134	175541800	174753666	176934688	164423820	171402022	3

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	137801505	147739099	145758868	146778256	138336660	143282878	3
Aroclor-1268-3	(3)	120132746	127507232	124391202	127247744	116467620	123149309	4
Aroclor-1268-4	(4)	51096977	54505272	53344994	55689972	49428660	52813175	5
Aroclor-1268-5	(5)	357060145	376226307	370949858	366544744	338563340	361868879	4
Decachlorobiphenyl		1484820890	1579158933	1563503220	1620729960	1432317200	1536106041	5
Tetrachloro-m-xylene		1051289840	1118865693	1118283520	1183542080	1260888000	1146573827	7

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Date(s) Analyzed:** 03/27/2025 03/27/2025

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	4.72	4.62	4.82	17353700
		2	4.80	4.70	4.90	12952900
		3	4.88	4.78	4.98	41717200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	33288800
		2	5.41	5.31	5.51	15910300
		3	5.69	5.59	5.79	34270400
		4	5.85	5.75	5.95	15707600
		5	5.94	5.84	6.04	10640400
Aroclor-1262	500	1	8.09	7.99	8.19	106300000
		2	8.41	8.31	8.51	198383000
		3	8.73	8.63	8.83	131742000
		4	8.82	8.72	8.92	95614800
		5	9.47	9.37	9.57	65066400

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Date(s) Analyzed:** 03/27/2025 03/27/2025

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	4.03	3.93	4.13	15243600
		2	4.11	4.01	4.21	11436300
		3	4.19	4.09	4.29	34089000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	27986800
		2	4.92	4.82	5.02	28061200
		3	5.10	5.00	5.20	14889600
		4	5.19	5.09	5.29	12804400
		5	5.36	5.26	5.46	14174800
Aroclor-1262	500	1	6.95	6.85	7.05	85563600
		2	7.21	7.11	7.31	68464400
		3	7.73	7.63	7.83	60723600
		4	7.79	7.69	7.89	99406800
		5	8.29	8.19	8.39	46871600

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:30
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: Mar 27 11:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.815	142.5E6	92648850	93.786	89.365
2)	SA Decachlor...	10.227	8.858	101.9E6	79354796	91.276	91.738
	Target Compounds						
3)	L1 AR-1016-1	5.665	4.903	47478014	34208953	932.147	901.282
4)	L1 AR-1016-2	5.687	4.921	72483549	49610574	919.712	912.281
5)	L1 AR-1016-3	5.749	5.098	43541298	27000462	930.054	904.567
6)	L1 AR-1016-4	5.846	5.140	36661280	21229955	939.673	892.248
7)	L1 AR-1016-5	6.140	5.355	32204227	26939544	919.053	893.388
31)	L7 AR-1260-1	7.258	6.391	60625379	45249076	907.240	937.989
32)	L7 AR-1260-2	7.512	6.579	90805769	58475471	928.402	929.598
33)	L7 AR-1260-3	7.870	6.732	75946924	50913622	915.347	944.233
34)	L7 AR-1260-4	8.095	7.204	67190656	42366044	824.917	892.130
35)	L7 AR-1260-5	8.413	7.445	154.6E6	113.1E6	966.441	902.278

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

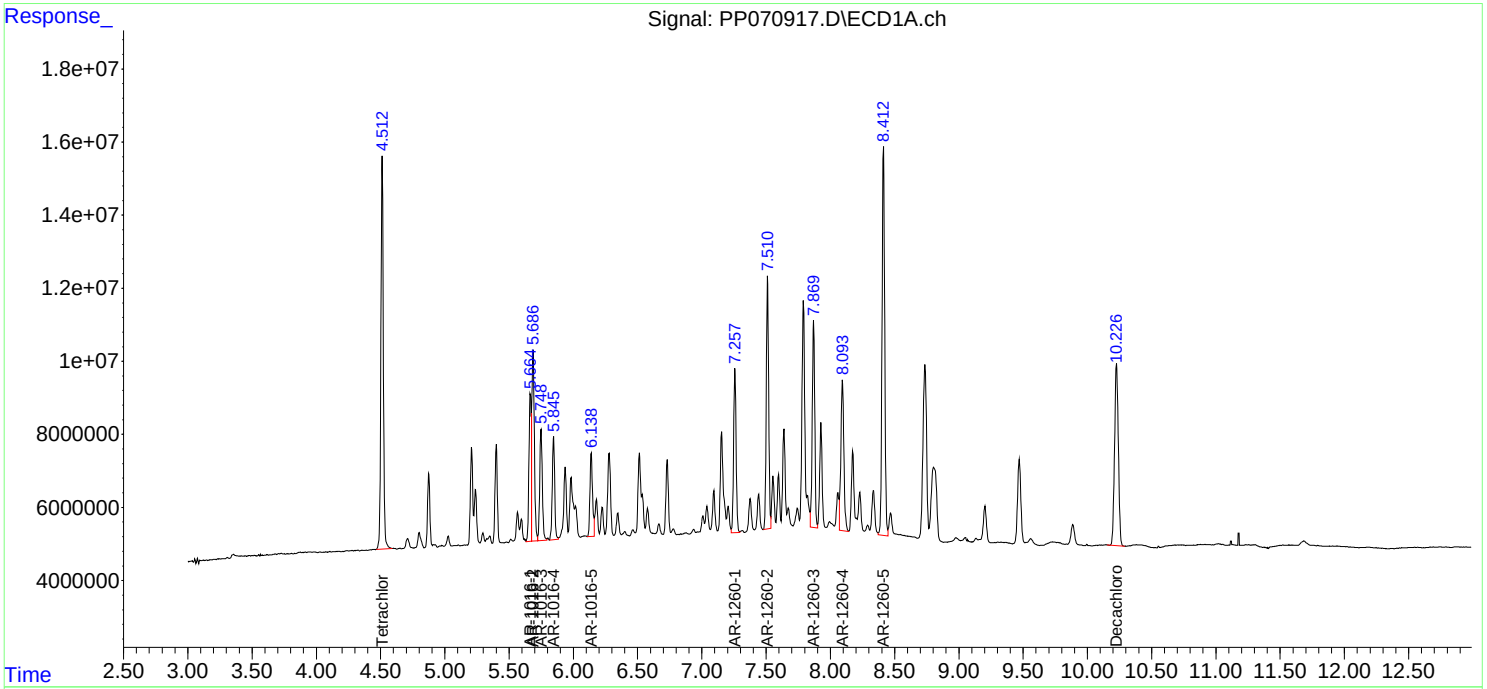
ICAL Form

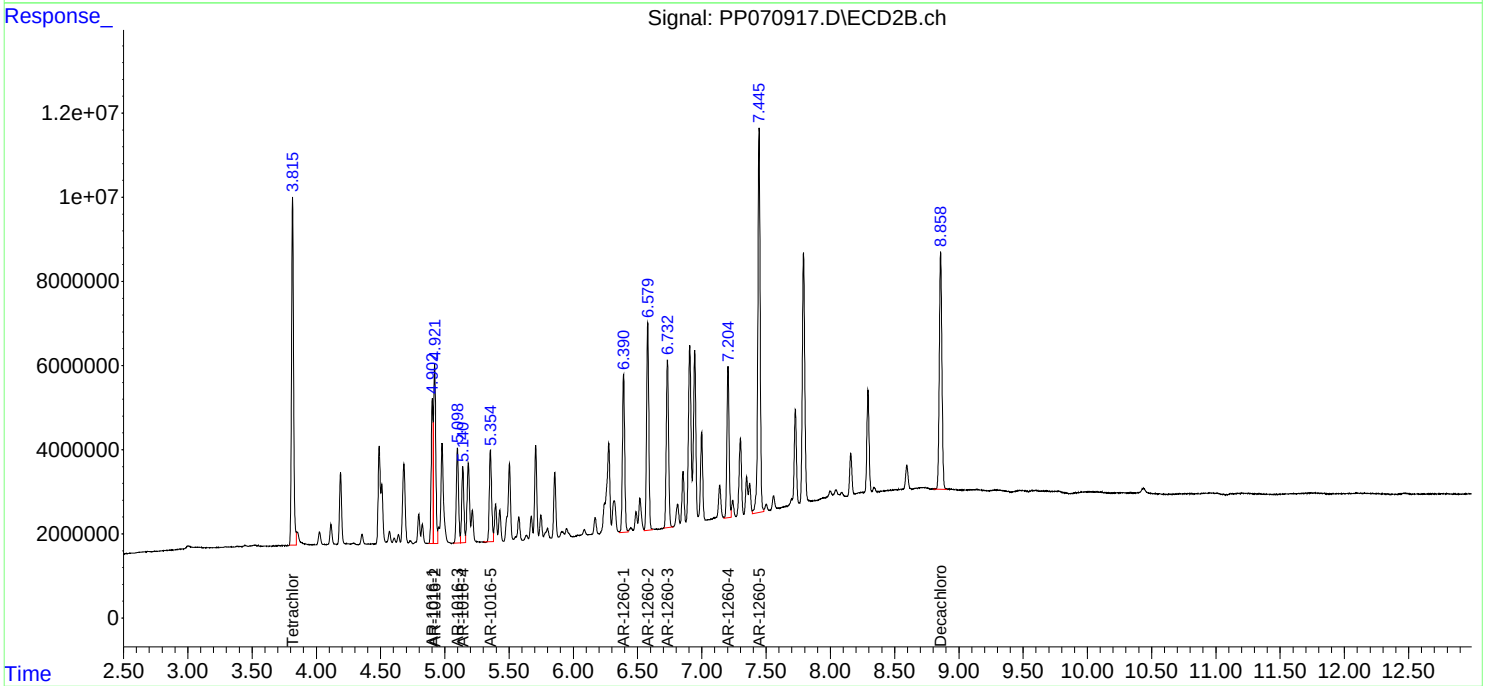
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

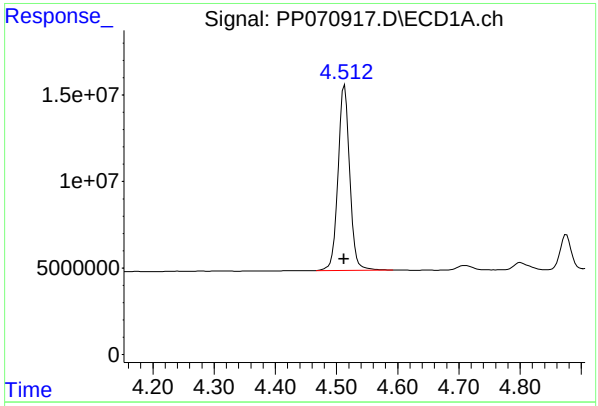
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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



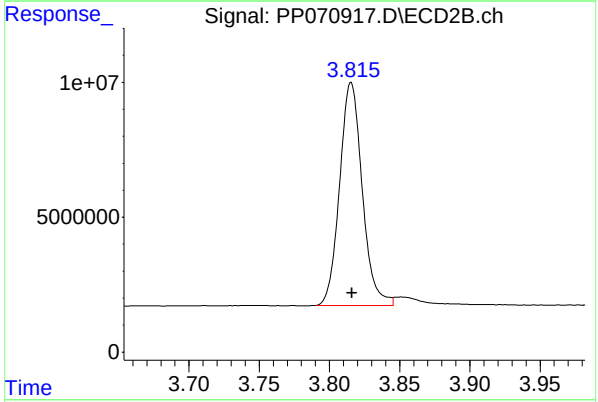




#1 Tetrachloro-m-xylene

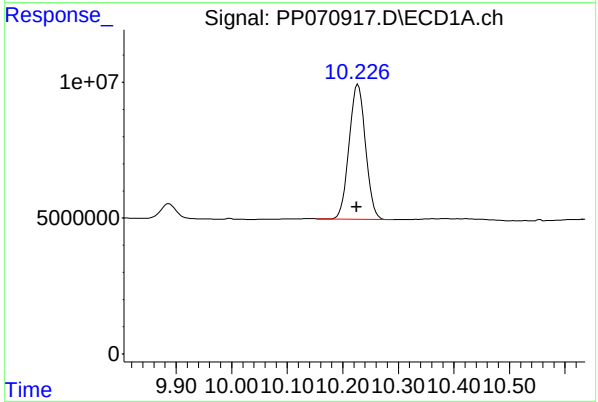
R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 142483740
Conc: 93.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



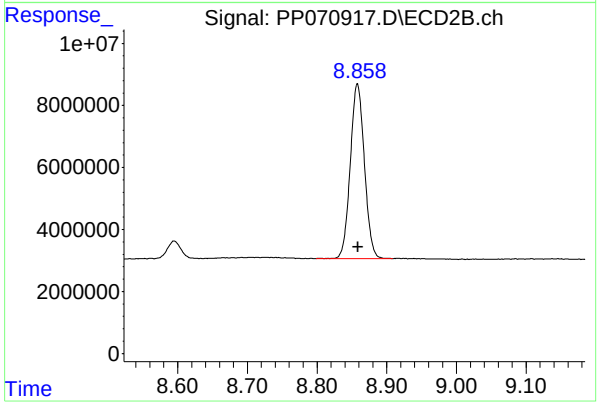
#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 92648850
Conc: 89.36 ng/ml



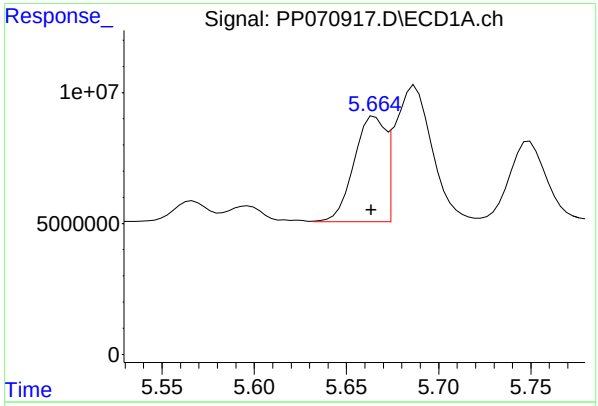
#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.002 min
Response: 101904743
Conc: 91.28 ng/ml



#2 Decachlorobiphenyl

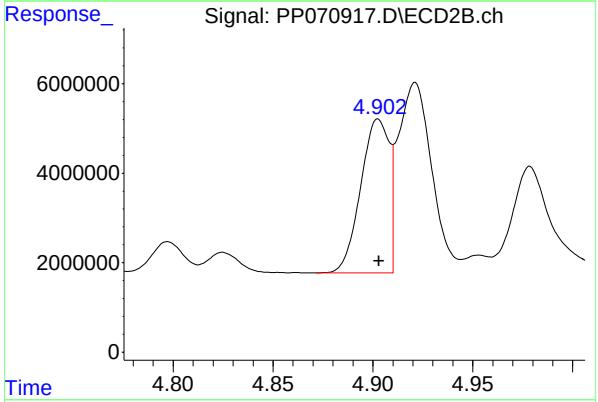
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 79354796
Conc: 91.74 ng/ml



#3 AR-1016-1

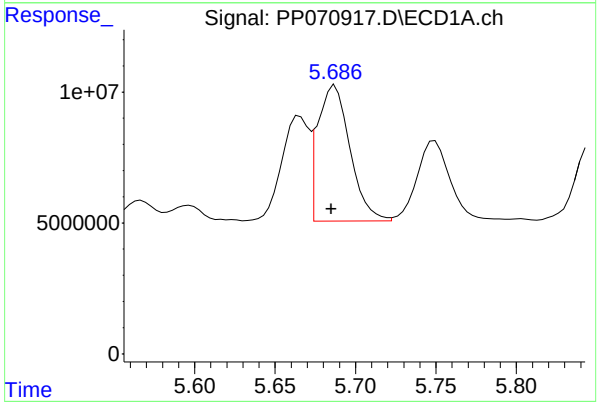
R.T.: 5.665 min
Delta R.T.: 0.002 min
Response: 47478014
Conc: 932.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



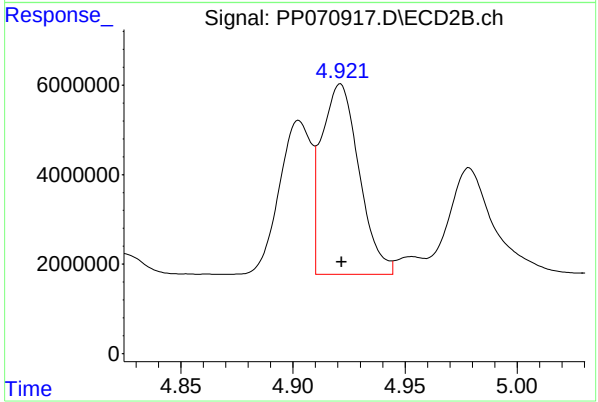
#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 34208953
Conc: 901.28 ng/ml



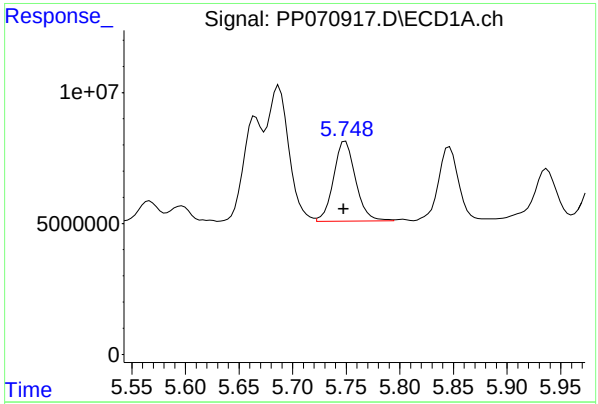
#4 AR-1016-2

R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 72483549
Conc: 919.71 ng/ml



#4 AR-1016-2

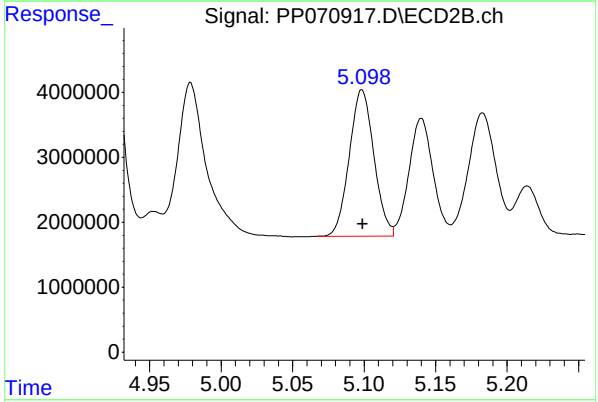
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 49610574
Conc: 912.28 ng/ml



#5 AR-1016-3

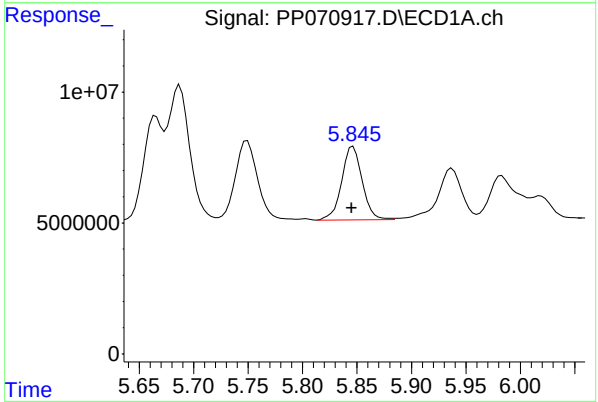
R.T.: 5.749 min
Delta R.T.: 0.002 min
Response: 43541298
Conc: 930.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



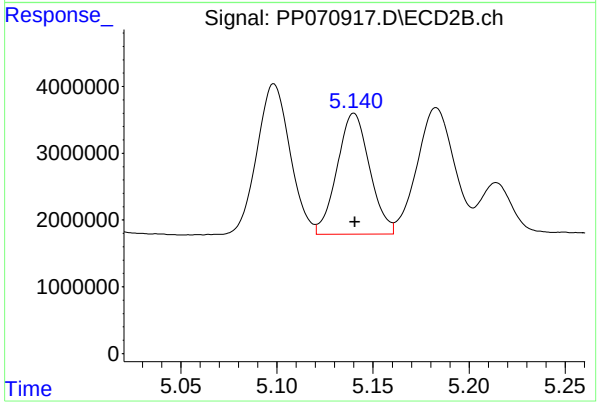
#5 AR-1016-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 27000462
Conc: 904.57 ng/ml



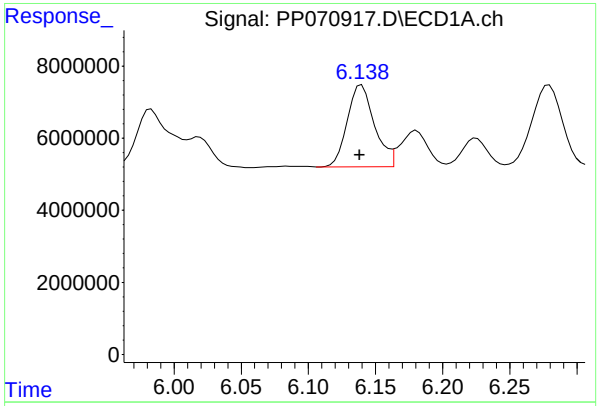
#6 AR-1016-4

R.T.: 5.846 min
Delta R.T.: 0.001 min
Response: 36661280
Conc: 939.67 ng/ml



#6 AR-1016-4

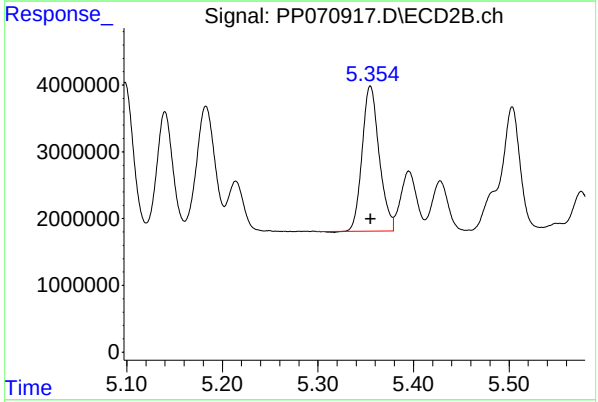
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 21229955
Conc: 892.25 ng/ml



#7 AR-1016-5

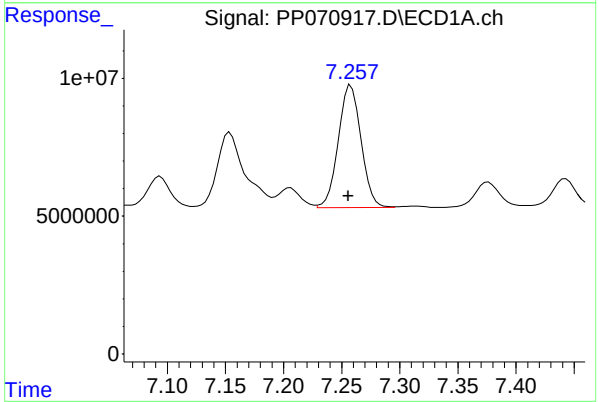
R.T.: 6.140 min
Delta R.T.: 0.002 min
Response: 32204227
Conc: 919.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



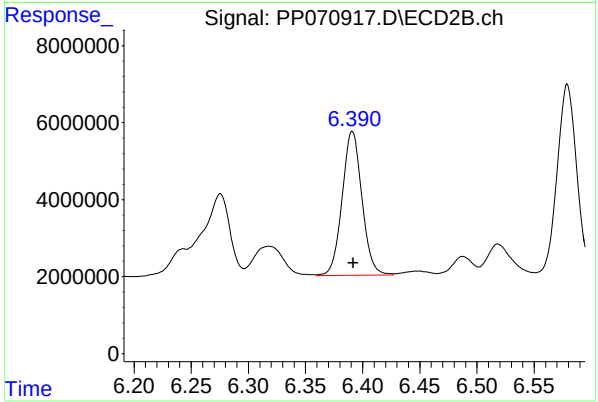
#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 26939544
Conc: 893.39 ng/ml



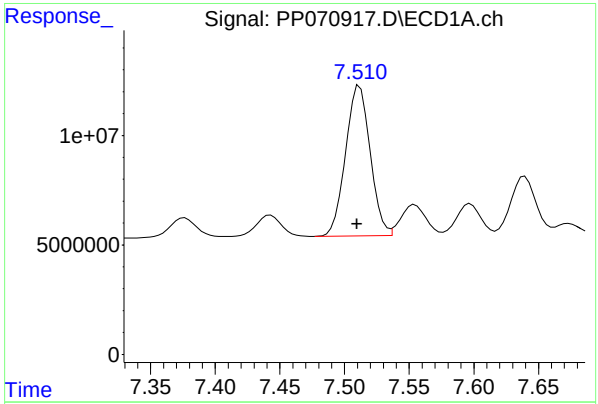
#31 AR-1260-1

R.T.: 7.258 min
Delta R.T.: 0.002 min
Response: 60625379
Conc: 907.24 ng/ml



#31 AR-1260-1

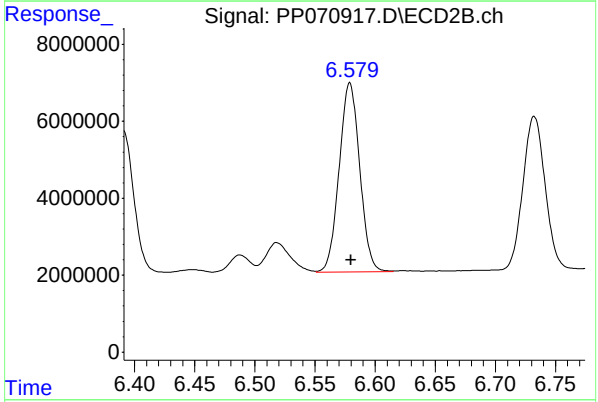
R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 45249076
Conc: 937.99 ng/ml



#32 AR-1260-2

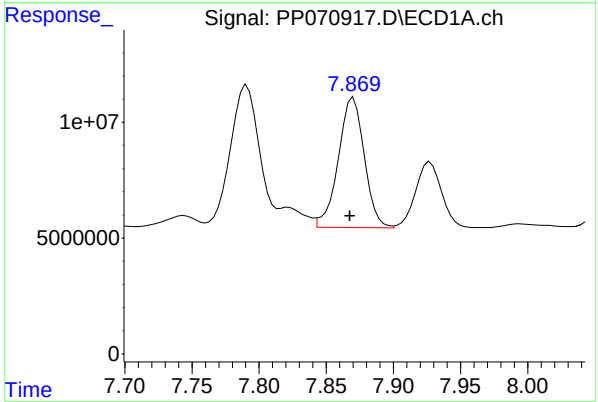
R.T.: 7.512 min
Delta R.T.: 0.002 min
Response: 90805769
Conc: 928.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



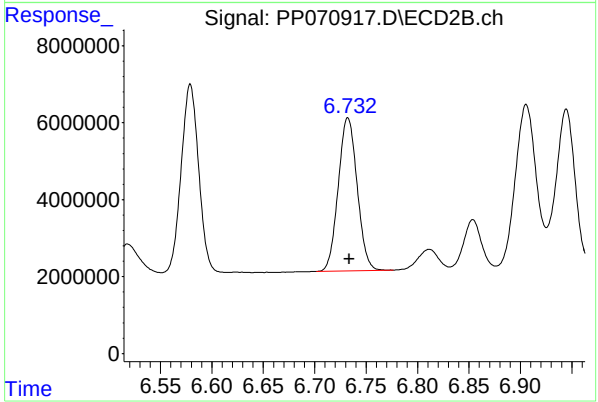
#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 58475471
Conc: 929.60 ng/ml



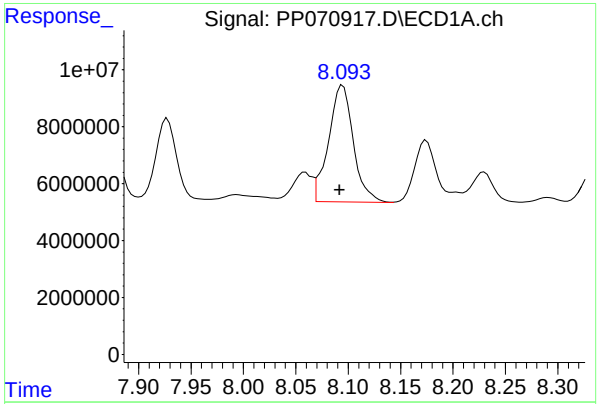
#33 AR-1260-3

R.T.: 7.870 min
Delta R.T.: 0.002 min
Response: 75946924
Conc: 915.35 ng/ml



#33 AR-1260-3

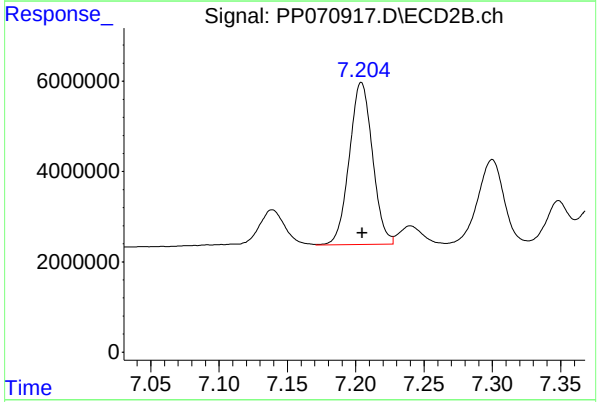
R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 50913622
Conc: 944.23 ng/ml



#34 AR-1260-4

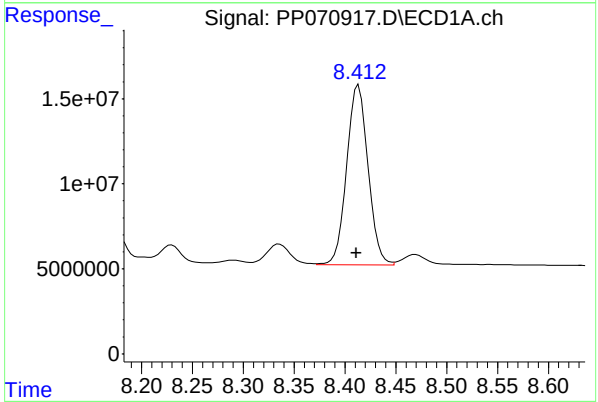
R.T.: 8.095 min
Delta R.T.: 0.003 min
Response: 67190656
Conc: 824.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



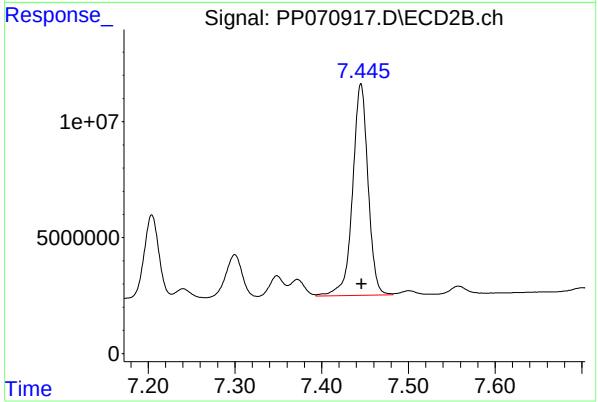
#34 AR-1260-4

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 42366044
Conc: 892.13 ng/ml



#35 AR-1260-5

R.T.: 8.413 min
Delta R.T.: 0.002 min
Response: 154592706
Conc: 966.44 ng/ml



#35 AR-1260-5

R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 113066934
Conc: 902.28 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:47
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: Mar 27 11:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.516	3.816	109.6E6	76743418	72.145	74.023
2) SA	Decachlor...	10.232	8.858	79929815	63467739	71.593	73.372
	Target Compounds						
3) L1	AR-1016-1	5.668	4.903	36878765	28246340	724.049	744.189
4) L1	AR-1016-2	5.690	4.922	55926362	40045379	709.625	736.388
5) L1	AR-1016-3	5.752	5.098	33032965	22299566	705.593	747.078
6) L1	AR-1016-4	5.850	5.140	27452141	17599061	703.632	739.649
7) L1	AR-1016-5	6.142	5.355	25115726	22419832	716.759	743.502
31) L7	AR-1260-1	7.261	6.391	46678805	34889457	698.534	723.240
32) L7	AR-1260-2	7.514	6.578	71623177	45945144	732.278	730.401
33) L7	AR-1260-3	7.873	6.732	59218079	39234472	713.723	727.634
34) L7	AR-1260-4	8.097	7.203	56265266	33296646	690.783	701.150
35) L7	AR-1260-5	8.417	7.444	117.1E6	87479828	731.936	698.092

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

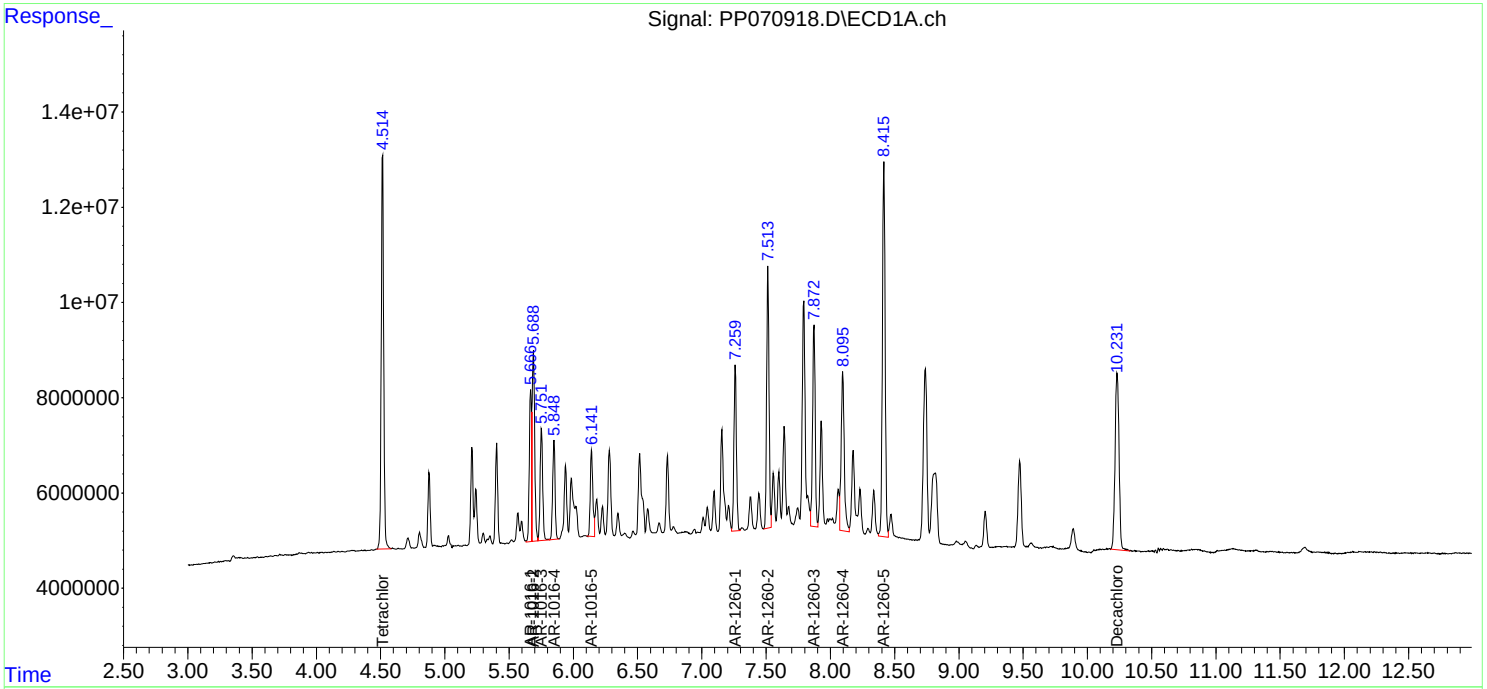
ICAL Form

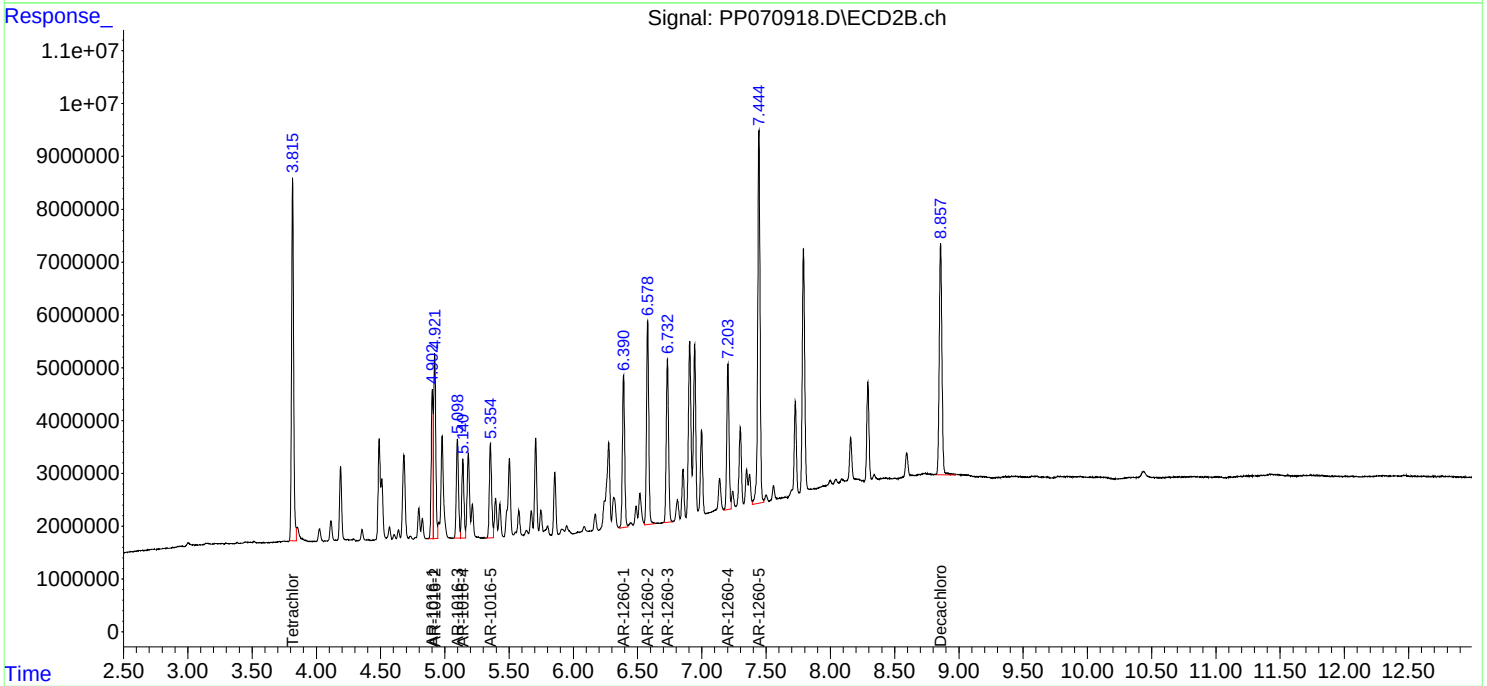
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:47
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

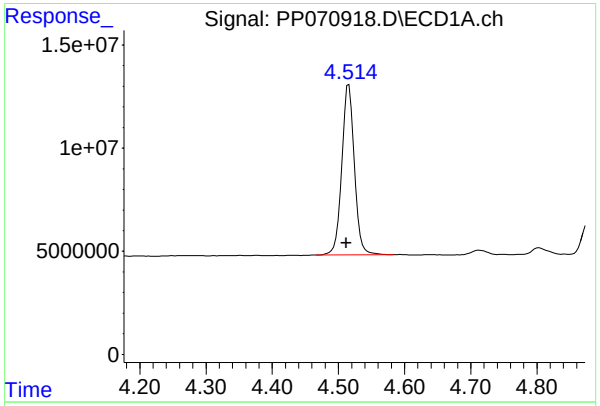
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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



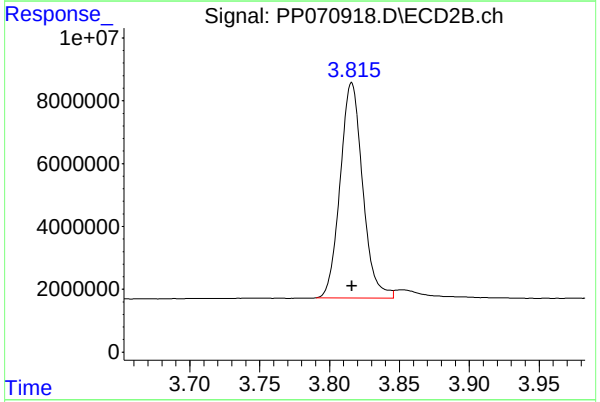




#1 Tetrachloro-m-xylene

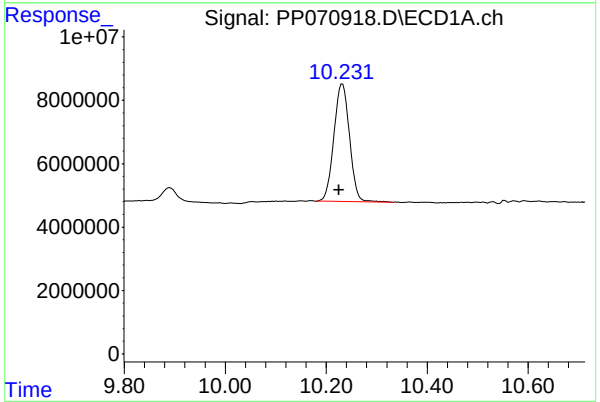
R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 109605429
Conc: 72.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



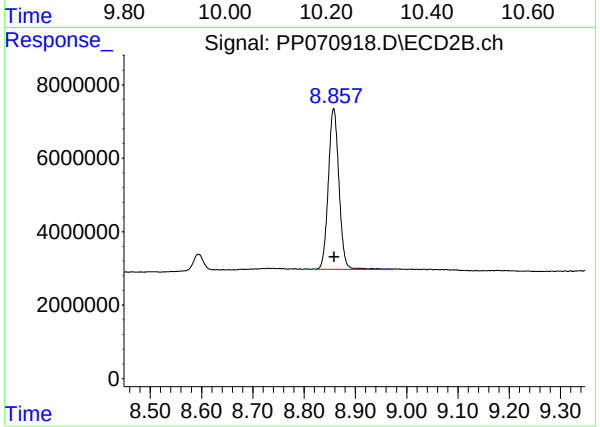
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 76743418
Conc: 74.02 ng/ml



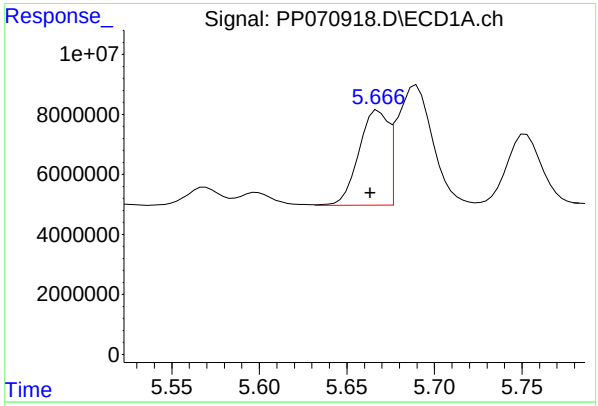
#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.007 min
Response: 79929815
Conc: 71.59 ng/ml



#2 Decachlorobiphenyl

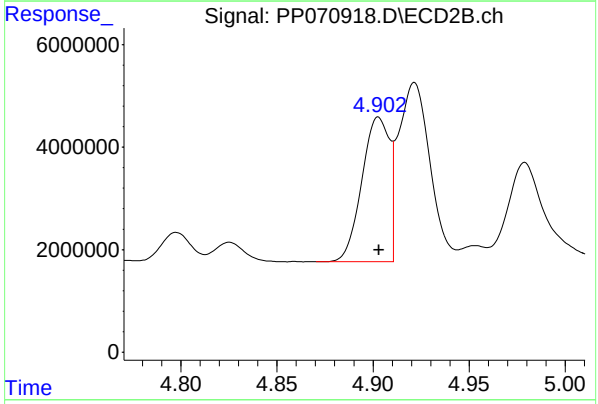
R.T.: 8.858 min
Delta R.T.: -0.001 min
Response: 63467739
Conc: 73.37 ng/ml



#3 AR-1016-1

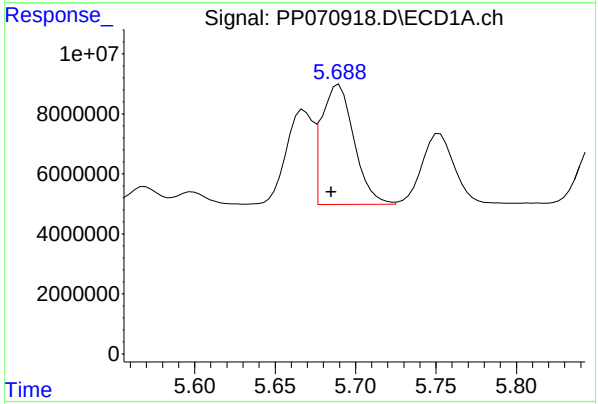
R.T.: 5.668 min
Delta R.T.: 0.005 min
Response: 36878765
Conc: 724.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



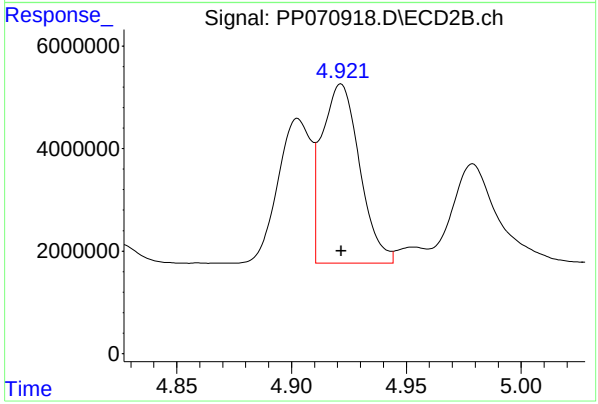
#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 28246340
Conc: 744.19 ng/ml



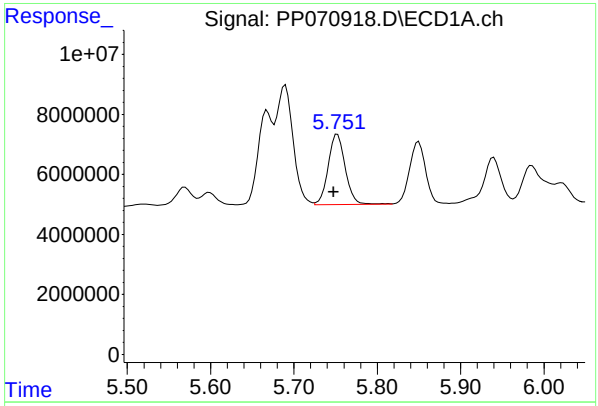
#4 AR-1016-2

R.T.: 5.690 min
Delta R.T.: 0.005 min
Response: 55926362
Conc: 709.62 ng/ml



#4 AR-1016-2

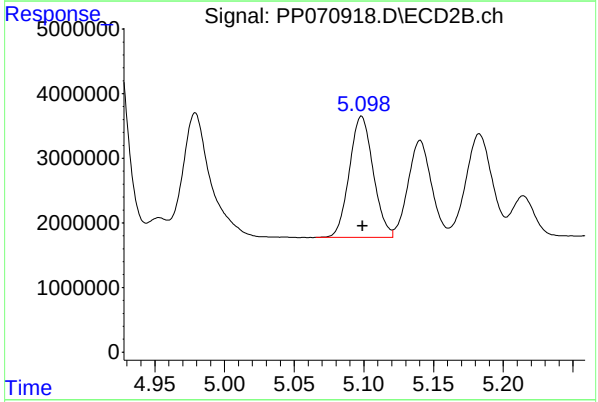
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 40045379
Conc: 736.39 ng/ml



#5 AR-1016-3

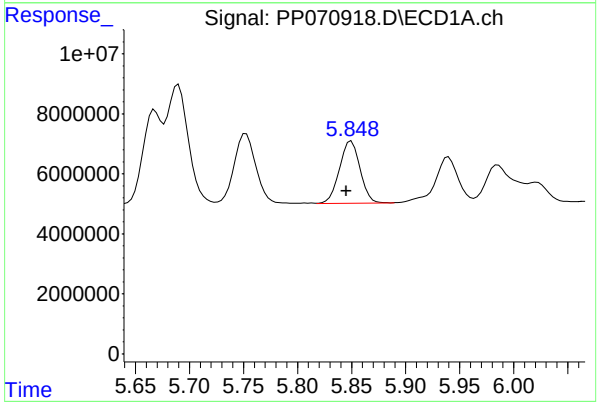
R.T.: 5.752 min
Delta R.T.: 0.005 min
Response: 33032965
Conc: 705.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



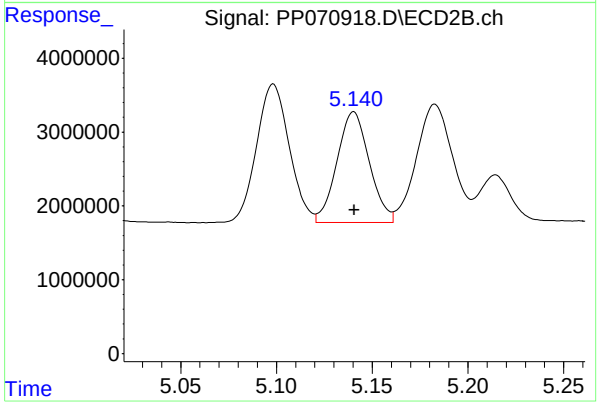
#5 AR-1016-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 22299566
Conc: 747.08 ng/ml



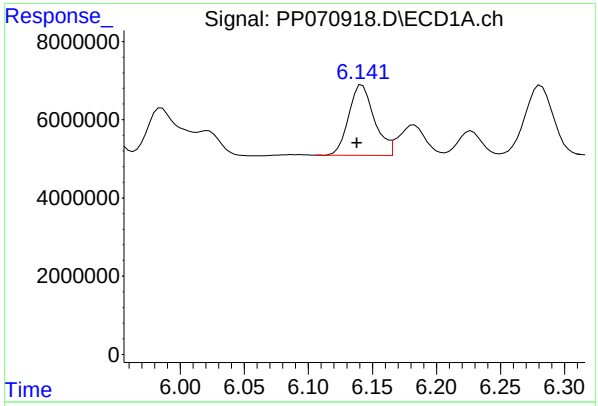
#6 AR-1016-4

R.T.: 5.850 min
Delta R.T.: 0.005 min
Response: 27452141
Conc: 703.63 ng/ml



#6 AR-1016-4

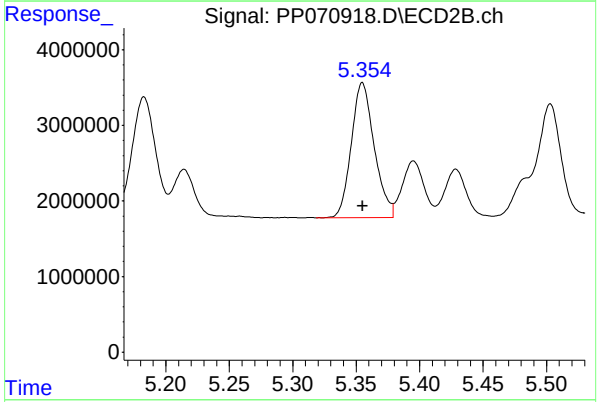
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 17599061
Conc: 739.65 ng/ml



#7 AR-1016-5

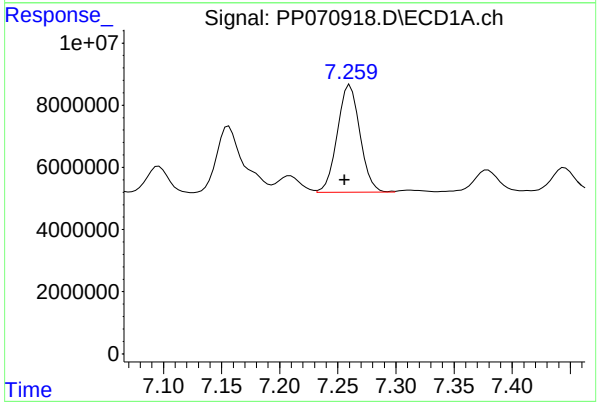
R.T.: 6.142 min
Delta R.T.: 0.004 min
Response: 25115726
Conc: 716.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



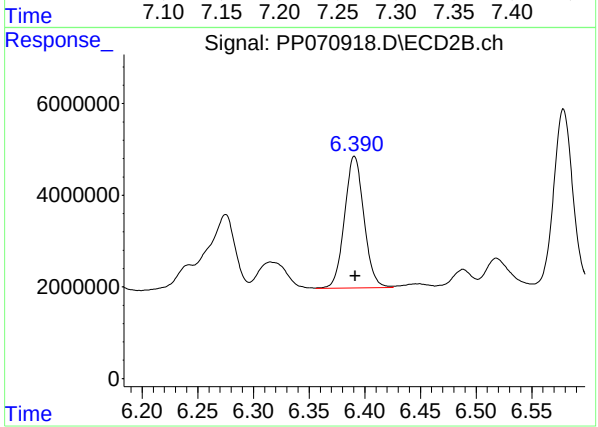
#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 22419832
Conc: 743.50 ng/ml



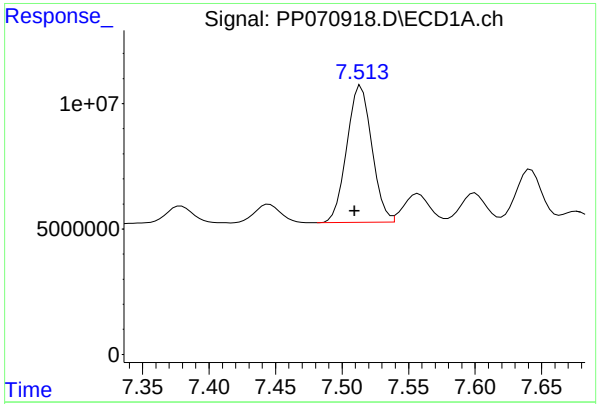
#31 AR-1260-1

R.T.: 7.261 min
Delta R.T.: 0.005 min
Response: 46678805
Conc: 698.53 ng/ml



#31 AR-1260-1

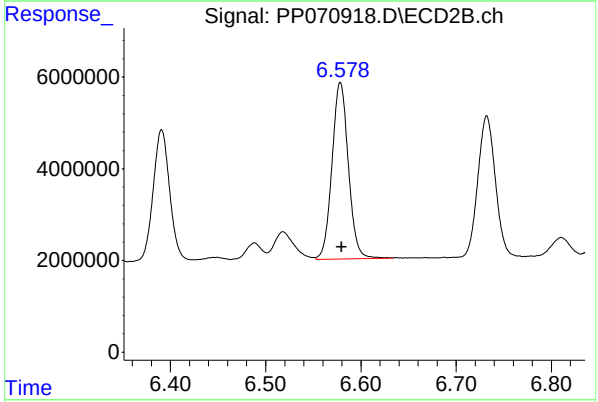
R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 34889457
Conc: 723.24 ng/ml



#32 AR-1260-2

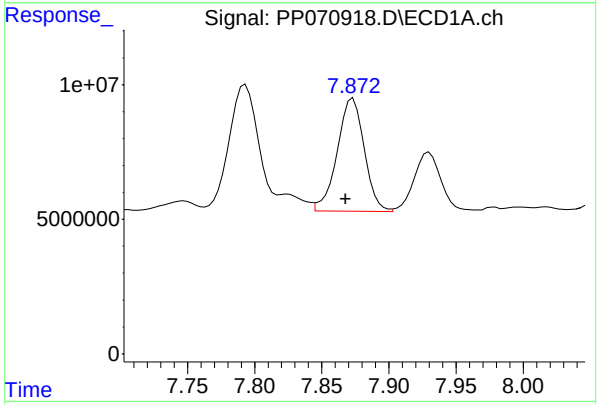
R.T.: 7.514 min
Delta R.T.: 0.005 min
Response: 71623177
Conc: 732.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



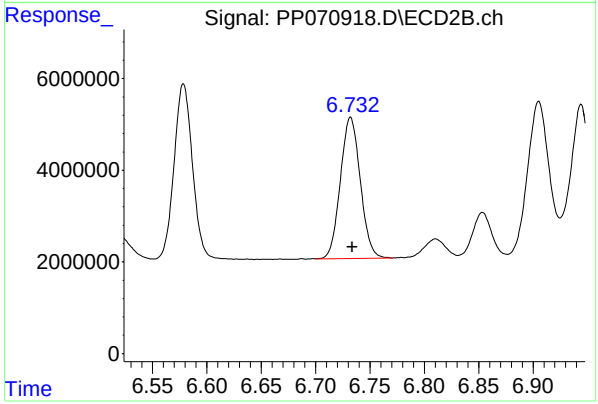
#32 AR-1260-2

R.T.: 6.578 min
Delta R.T.: -0.001 min
Response: 45945144
Conc: 730.40 ng/ml



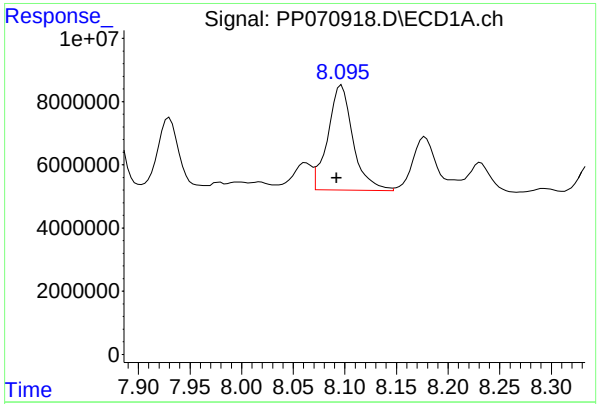
#33 AR-1260-3

R.T.: 7.873 min
Delta R.T.: 0.005 min
Response: 59218079
Conc: 713.72 ng/ml



#33 AR-1260-3

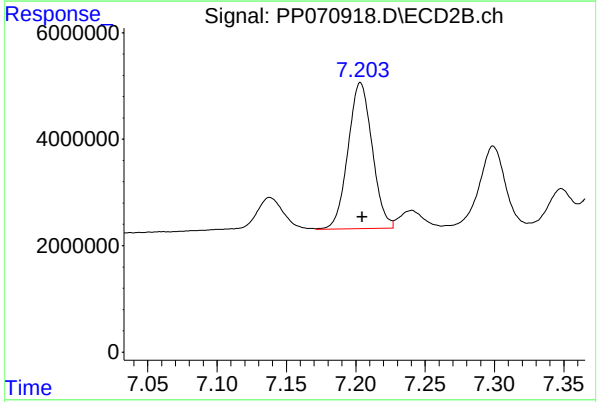
R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 39234472
Conc: 727.63 ng/ml



#34 AR-1260-4

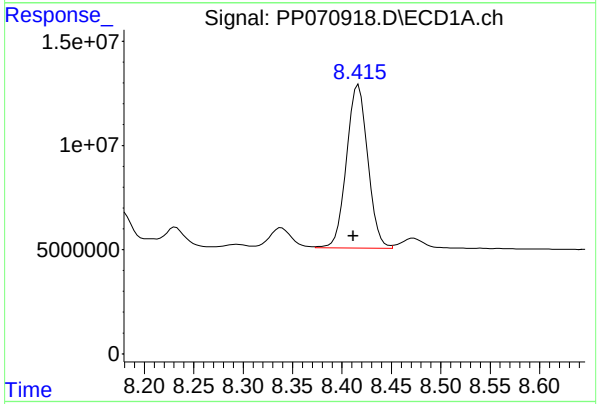
R.T.: 8.097 min
Delta R.T.: 0.005 min
Response: 56265266
Conc: 690.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



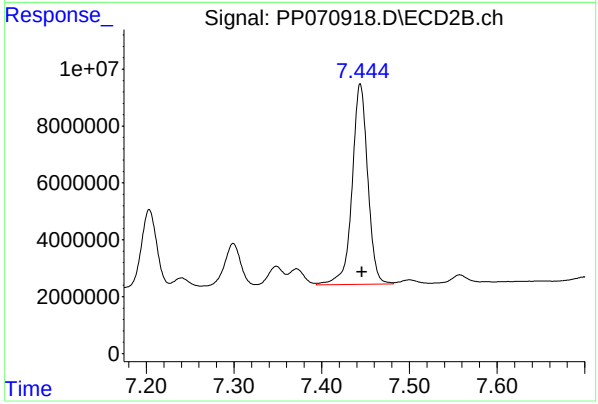
#34 AR-1260-4

R.T.: 7.203 min
Delta R.T.: -0.001 min
Response: 33296646
Conc: 701.15 ng/ml



#35 AR-1260-5

R.T.: 8.417 min
Delta R.T.: 0.005 min
Response: 117081076
Conc: 731.94 ng/ml



#35 AR-1260-5

R.T.: 7.444 min
Delta R.T.: -0.002 min
Response: 87479828
Conc: 698.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:03
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: Mar 27 11:43:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.512	3.816	75962416	51837404	50.000	50.000
2) SA	Decachlor...	10.225	8.859	55822450	43250808	50.000	50.000
	Target Compounds						
3) L1	AR-1016-1	5.663	4.903	25467030	18977943	500.000	500.000
4) L1	AR-1016-2	5.685	4.922	39405586	27190389	500.000	500.000
5) L1	AR-1016-3	5.748	5.099	23407932	14924529	500.000	500.000
6) L1	AR-1016-4	5.845	5.141	19507464	11896894	500.000	500.000
7) L1	AR-1016-5	6.138	5.355	17520341	15077187	500.000	500.000
31) L7	AR-1260-1	7.256	6.392	33411980	24120261	500.000	500.000
32) L7	AR-1260-2	7.510	6.580	48904355	31452019	500.000	500.000
33) L7	AR-1260-3	7.868	6.734	41485326	26960319	500.000	500.000
34) L7	AR-1260-4	8.092	7.205	40725714	23744314	500.000	500.000
35) L7	AR-1260-5	8.411	7.446	79980400	62656405	500.000	500.000

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

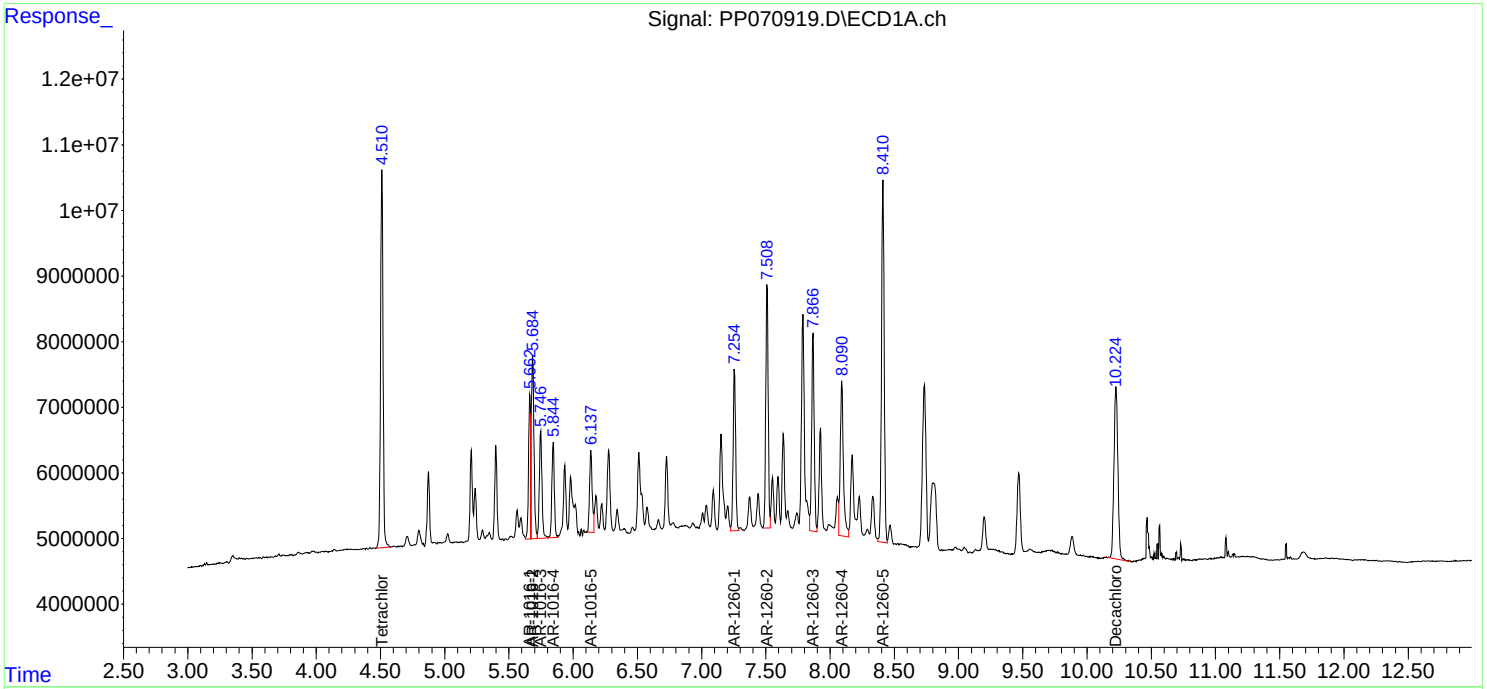
ICAL Form

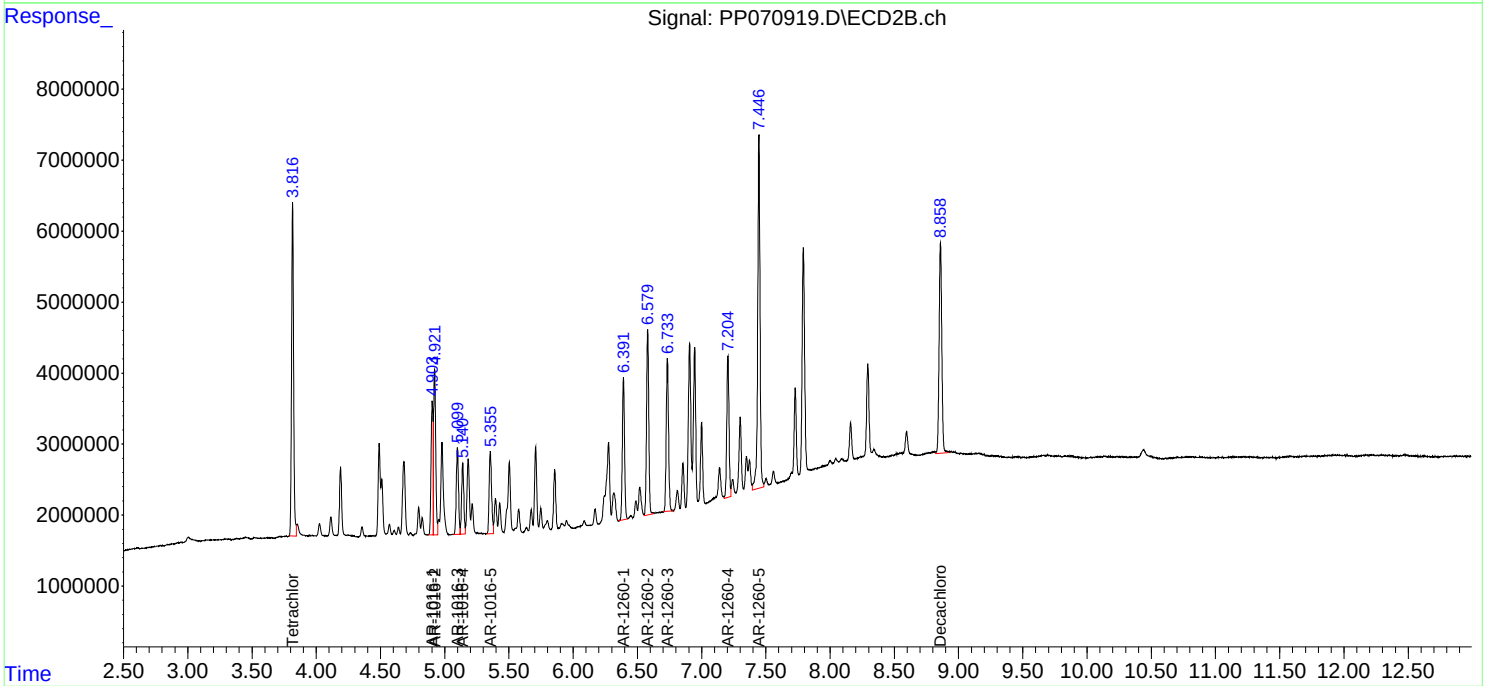
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:03
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

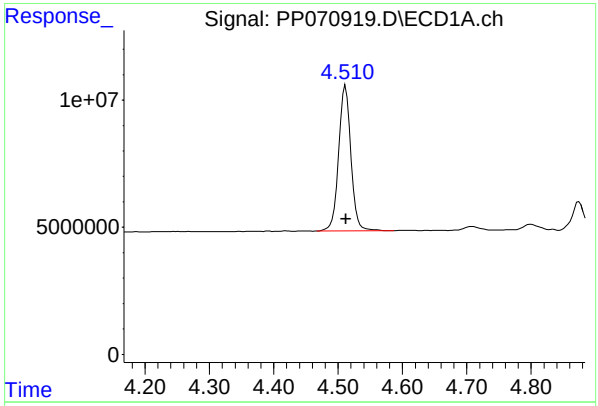
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:43:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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



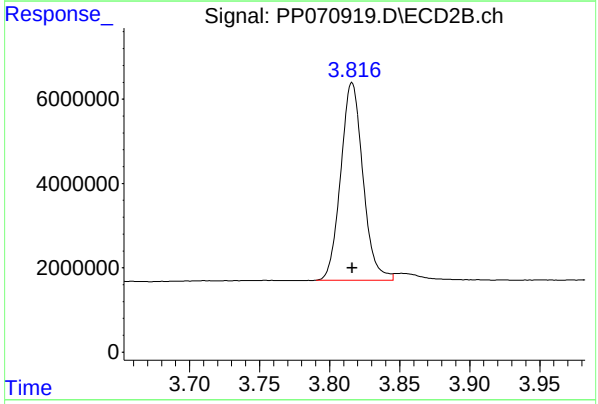




#1 Tetrachloro-m-xylene

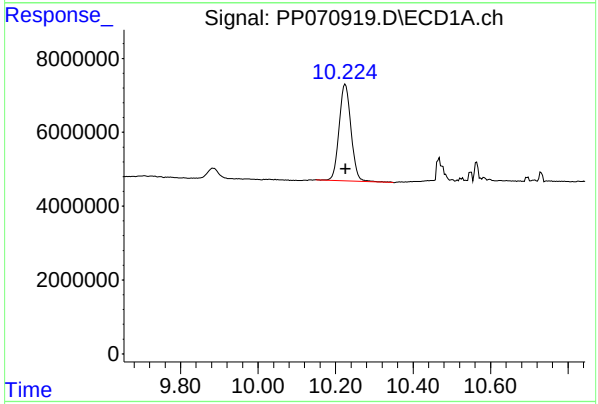
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 75962416
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



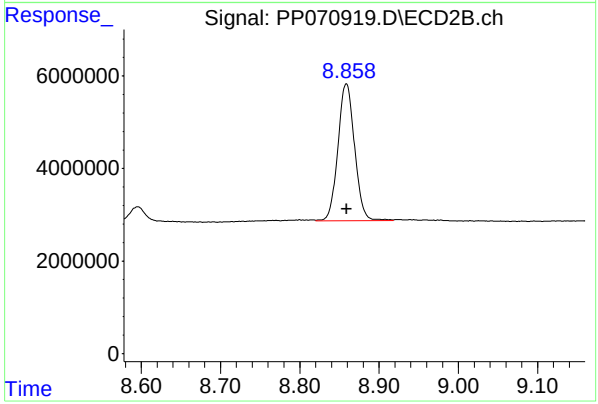
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 51837404
Conc: 50.00 ng/ml



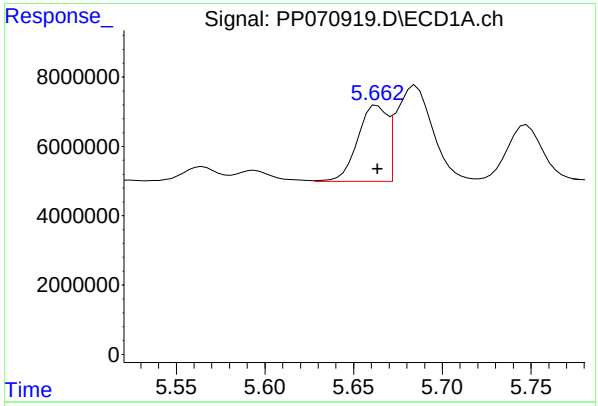
#2 Decachlorobiphenyl

R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 55822450
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

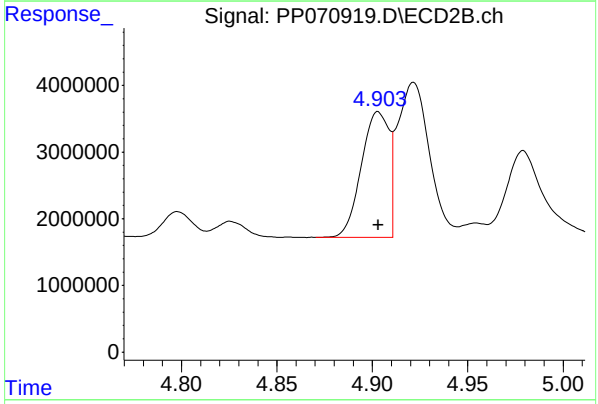
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 43250808
Conc: 50.00 ng/ml



#3 AR-1016-1

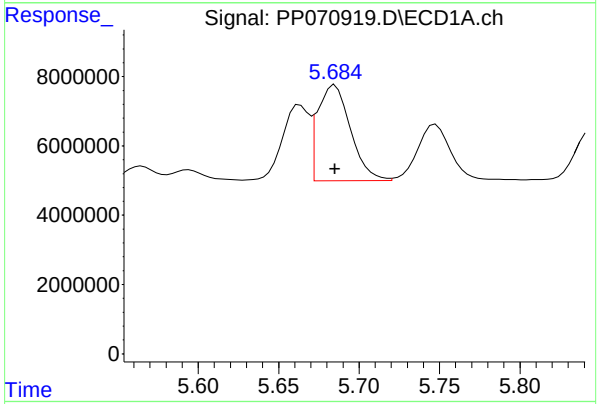
R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 25467030
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



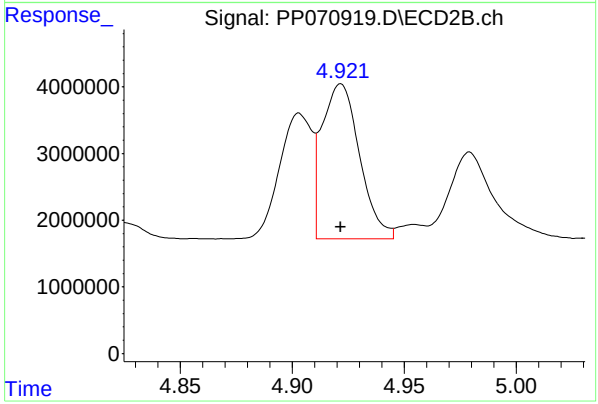
#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 18977943
Conc: 500.00 ng/ml



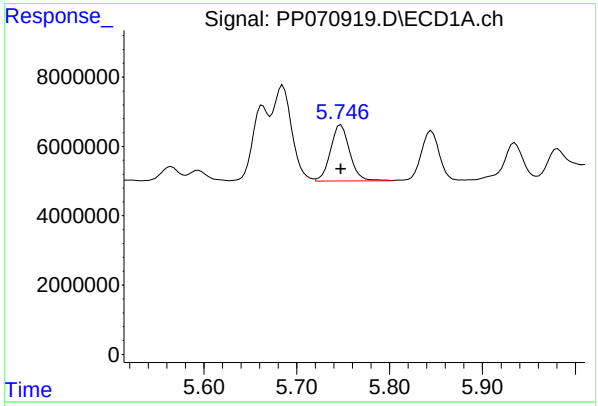
#4 AR-1016-2

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 39405586
Conc: 500.00 ng/ml



#4 AR-1016-2

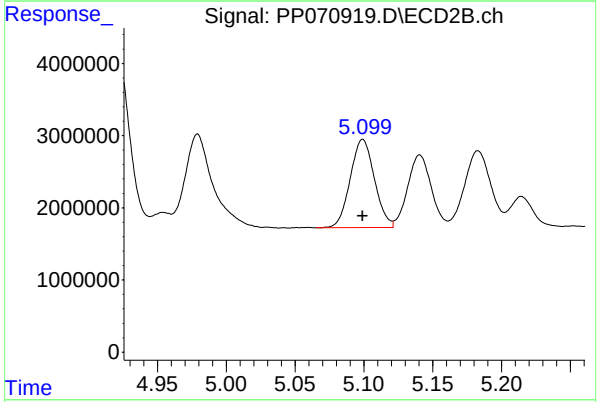
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 27190389
Conc: 500.00 ng/ml



#5 AR-1016-3

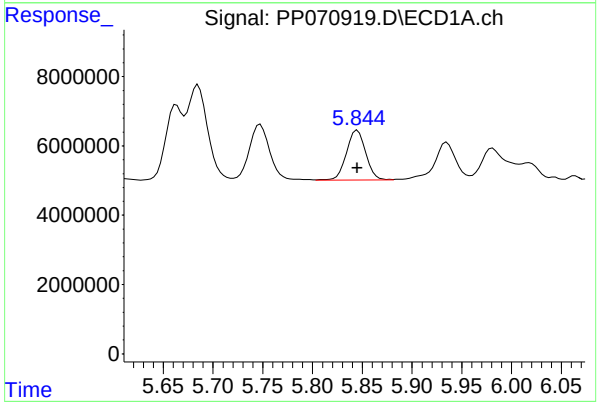
R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 23407932
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



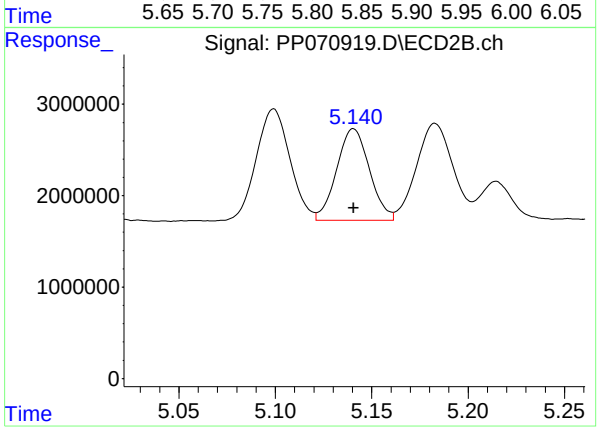
#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 14924529
Conc: 500.00 ng/ml



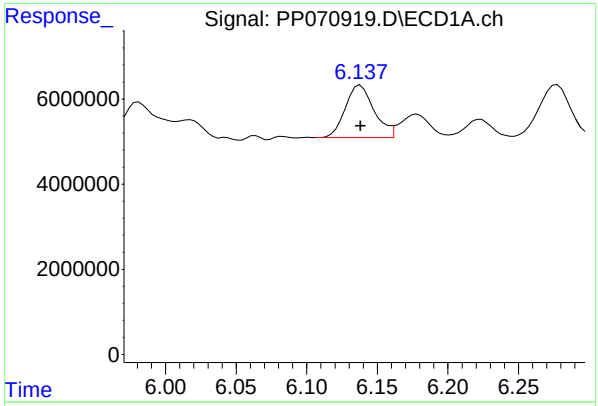
#6 AR-1016-4

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 19507464
Conc: 500.00 ng/ml



#6 AR-1016-4

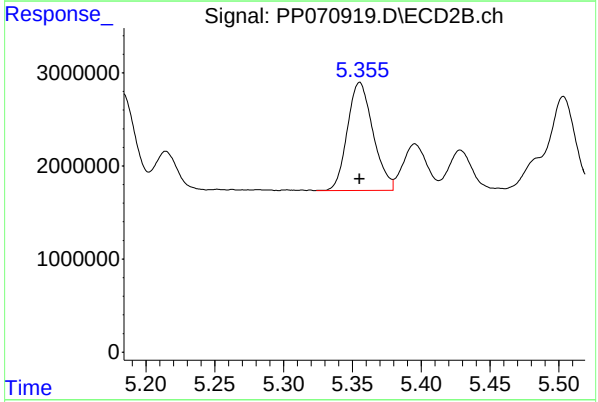
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 11896894
Conc: 500.00 ng/ml



#7 AR-1016-5

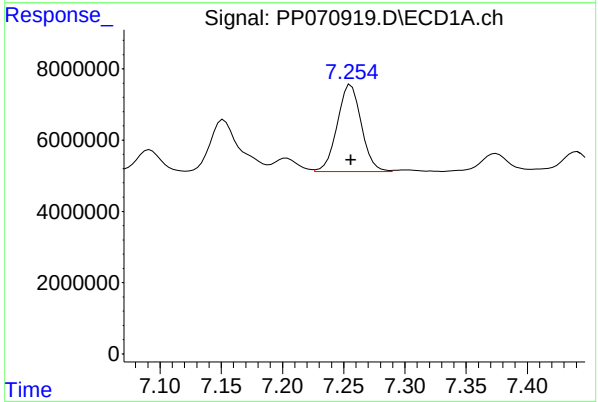
R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 17520341
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



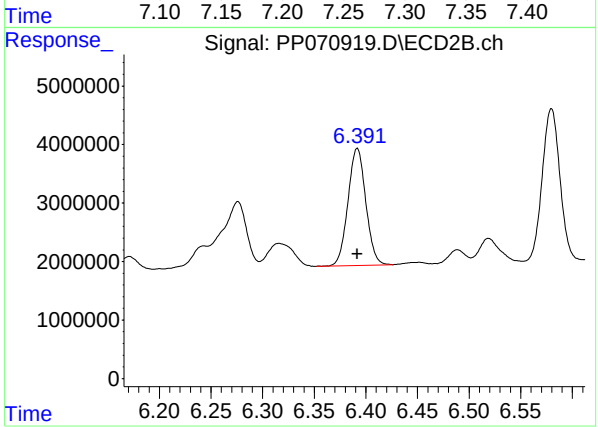
#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 15077187
Conc: 500.00 ng/ml



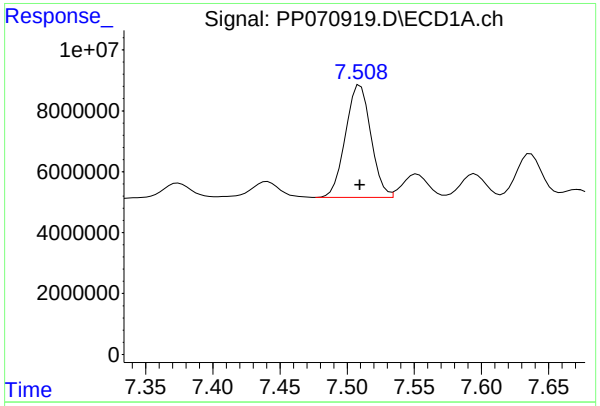
#31 AR-1260-1

R.T.: 7.256 min
Delta R.T.: 0.000 min
Response: 33411980
Conc: 500.00 ng/ml



#31 AR-1260-1

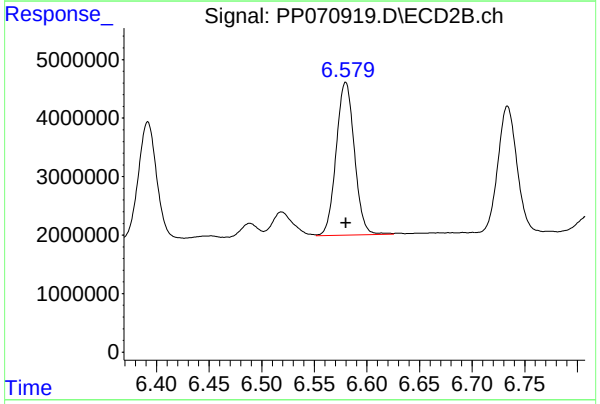
R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 24120261
Conc: 500.00 ng/ml



#32 AR-1260-2

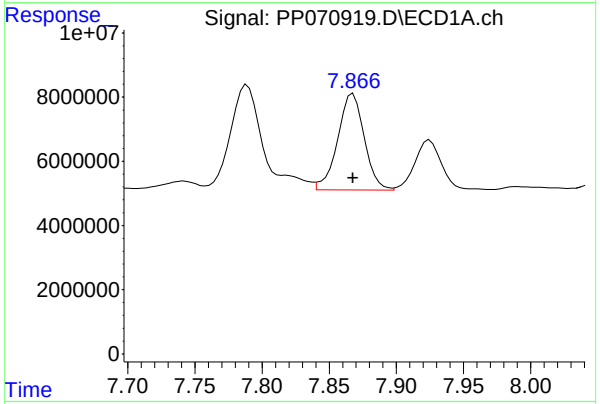
R.T.: 7.510 min
Delta R.T.: 0.000 min
Response: 48904355
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



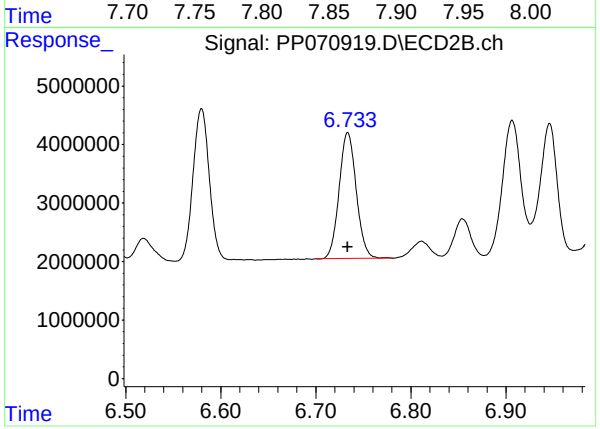
#32 AR-1260-2

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 31452019
Conc: 500.00 ng/ml



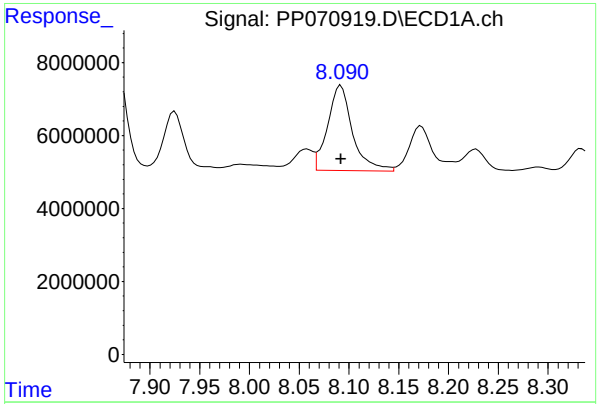
#33 AR-1260-3

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 41485326
Conc: 500.00 ng/ml



#33 AR-1260-3

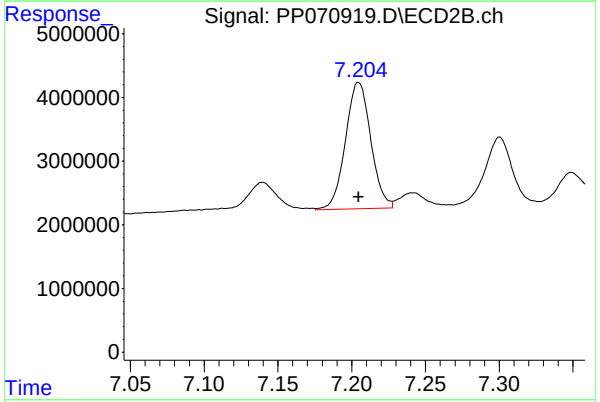
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 26960319
Conc: 500.00 ng/ml



#34 AR-1260-4

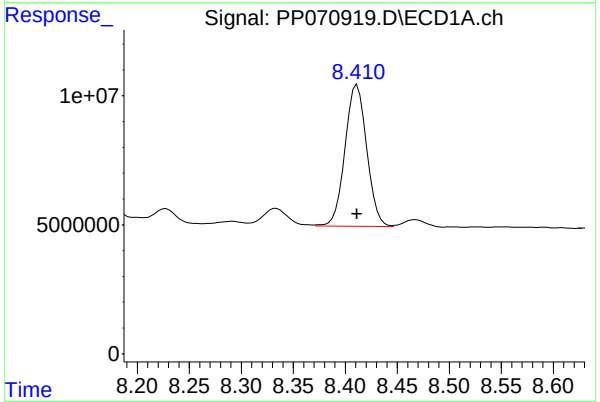
R.T.: 8.092 min
Delta R.T.: 0.000 min
Response: 40725714
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



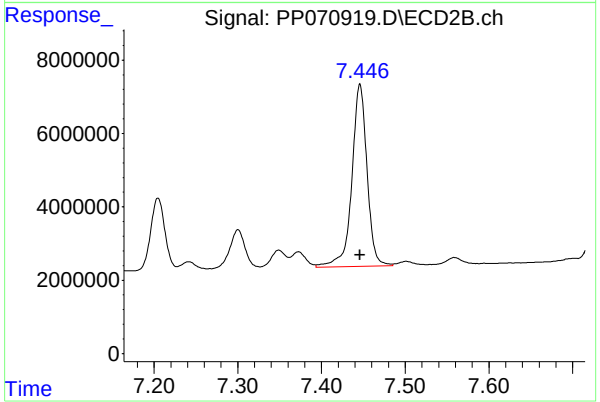
#34 AR-1260-4

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 23744314
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.411 min
Delta R.T.: 0.000 min
Response: 79980400
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 62656405
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.515	3.816	39892911	28120307	26.258	27.124
2) SA	Decachlor...	10.229	8.859	27877719	18839232	24.970	21.779
	Target Compounds						
3) L1	AR-1016-1	5.667	4.903	13581167	11323714	266.642	298.339
4) L1	AR-1016-2	5.689	4.922	20108471	16375760	255.147	301.131
5) L1	AR-1016-3	5.751	5.099	12212490	8877034	260.862	297.397
6) L1	AR-1016-4	5.848	5.141	9803037	7158830	251.264	300.870
7) L1	AR-1016-5	6.141	5.355	9152735	9323046	261.203	309.177
31) L7	AR-1260-1	7.260	6.391	18182257	14056672	272.092	291.387
32) L7	AR-1260-2	7.513	6.579	25714746	17295947	262.909	274.958
33) L7	AR-1260-3	7.870	6.733	21528554	14684885	259.472m	272.343
34) L7	AR-1260-4	8.094	7.205	19536409	12488782	239.853m	262.985
35) L7	AR-1260-5	8.414	7.446	41714322	31815782	260.778m	253.891

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

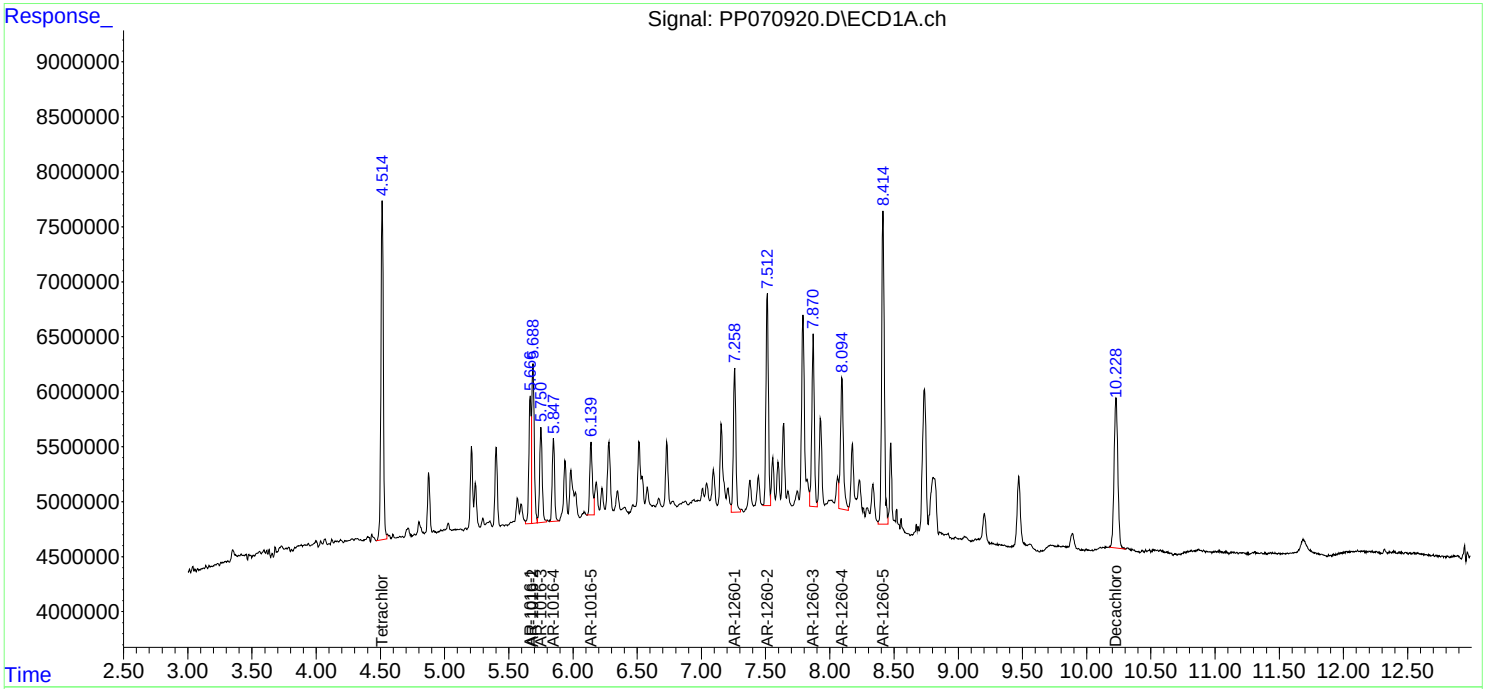
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

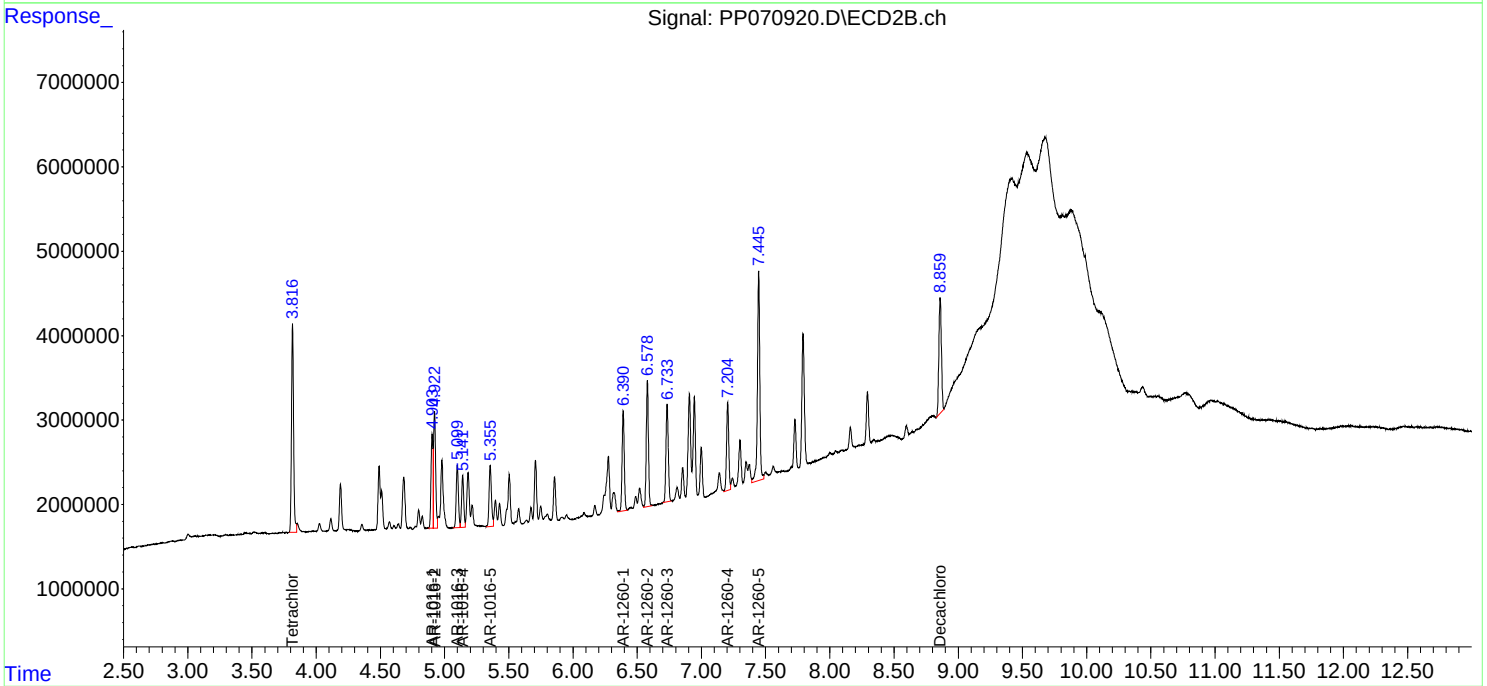
Manual Integrations APPROVED

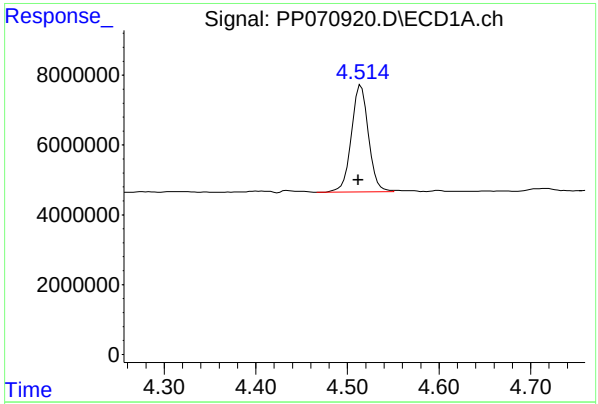
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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







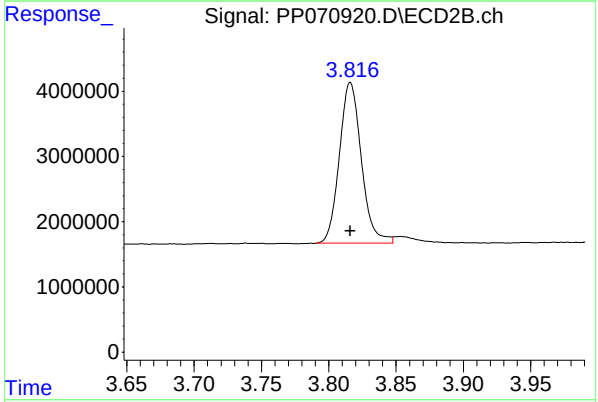
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.003 min
Response: 39892911
Conc: 26.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

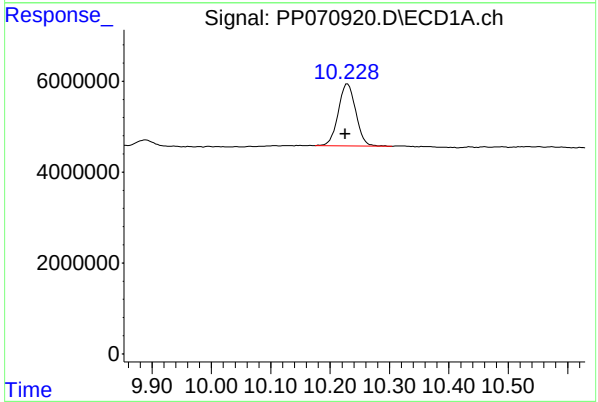
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



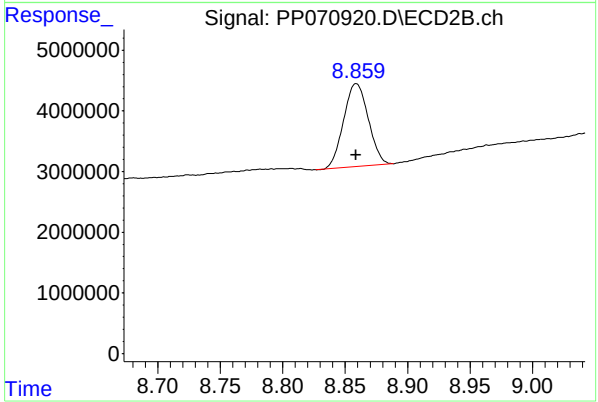
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 28120307
Conc: 27.12 ng/ml



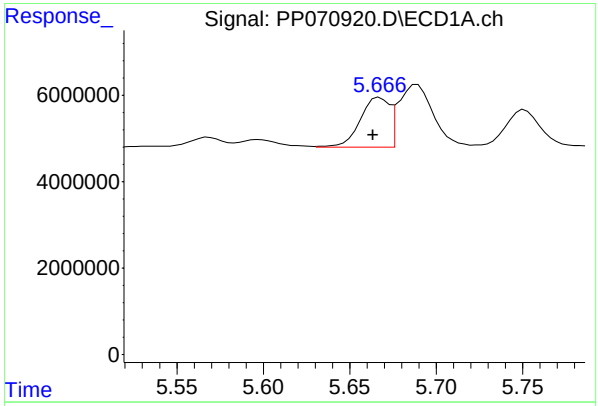
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.004 min
Response: 27877719
Conc: 24.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 18839232
Conc: 21.78 ng/ml



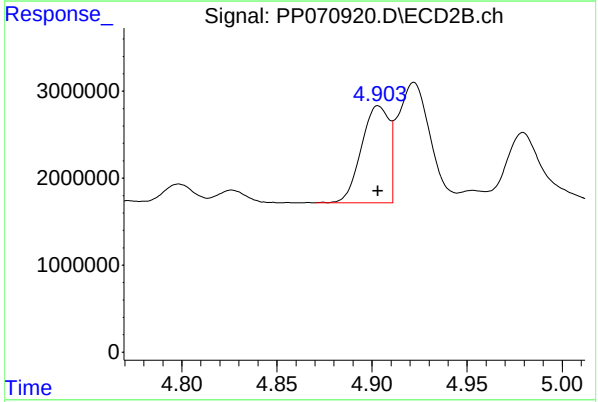
#3 AR-1016-1

R.T.: 5.667 min
Delta R.T.: 0.004 min
Response: 13581167
Conc: 266.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

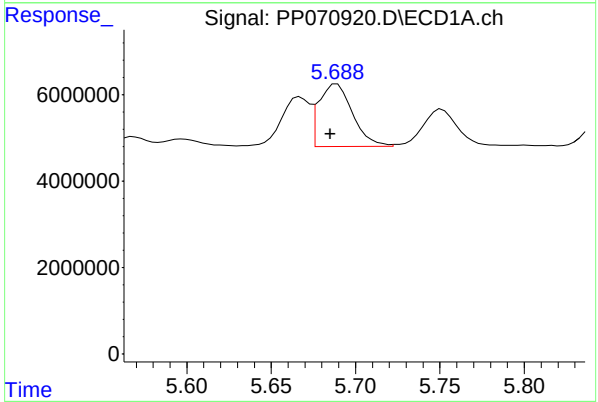
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



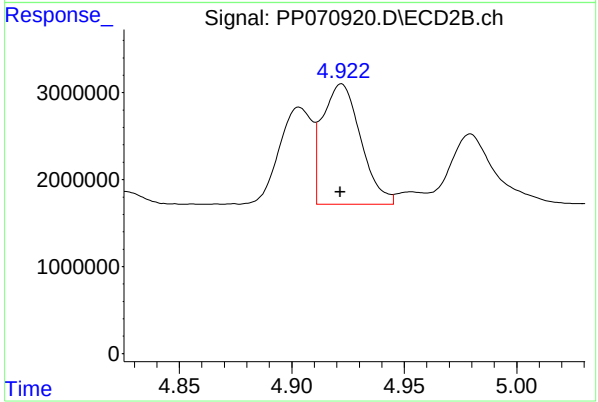
#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 11323714
Conc: 298.34 ng/ml



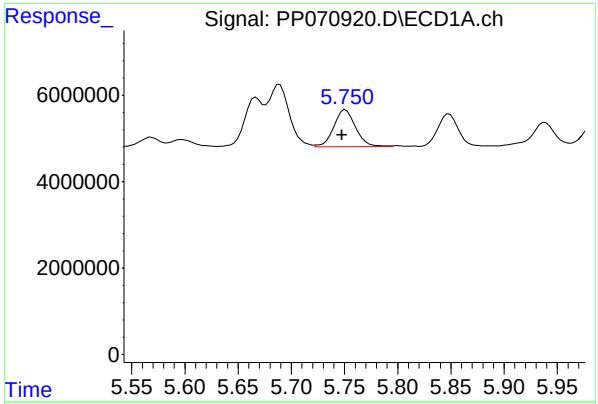
#4 AR-1016-2

R.T.: 5.689 min
Delta R.T.: 0.004 min
Response: 20108471
Conc: 255.15 ng/ml



#4 AR-1016-2

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 16375760
Conc: 301.13 ng/ml



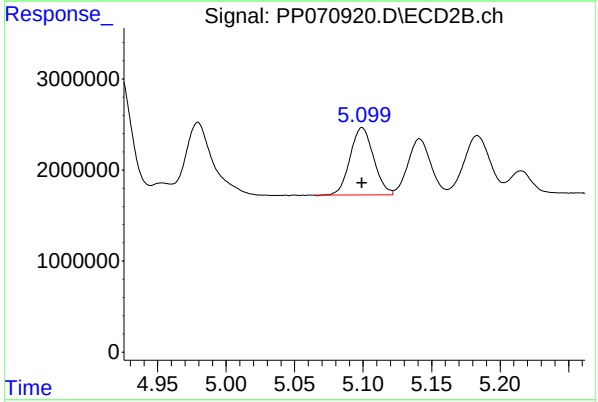
#5 AR-1016-3

R.T.: 5.751 min
Delta R.T.: 0.004 min
Response: 12212490
Conc: 260.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

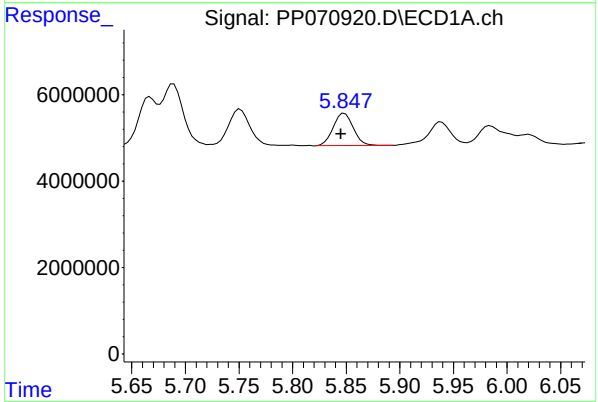
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



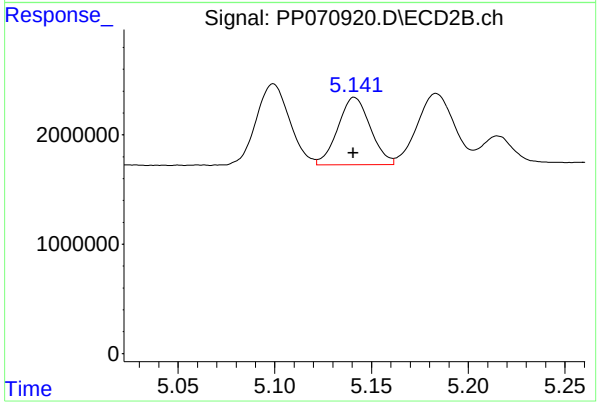
#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 8877034
Conc: 297.40 ng/ml



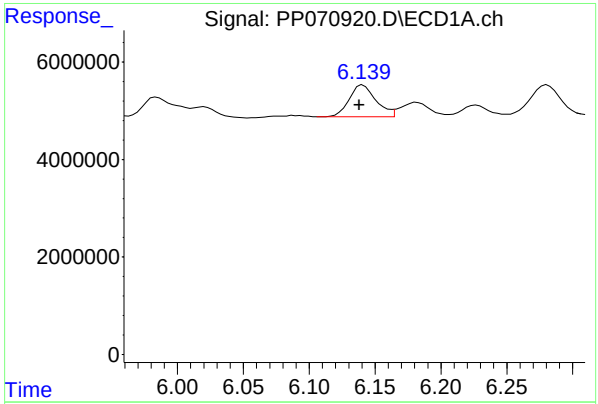
#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 9803037
Conc: 251.26 ng/ml



#6 AR-1016-4

R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 7158830
Conc: 300.87 ng/ml



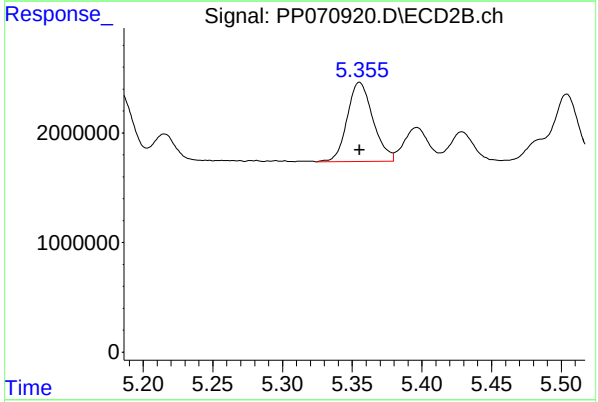
#7 AR-1016-5

R.T.: 6.141 min
Delta R.T.: 0.003 min
Response: 9152735
Conc: 261.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

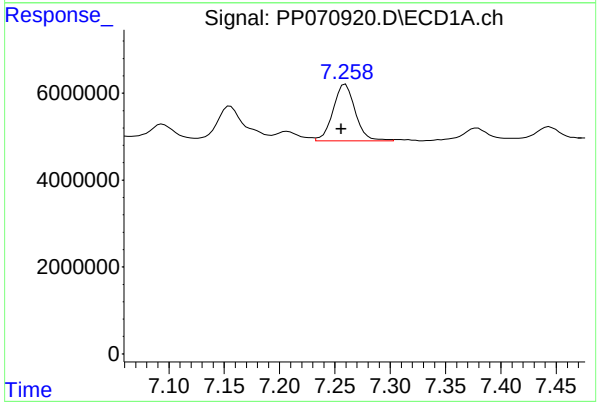
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



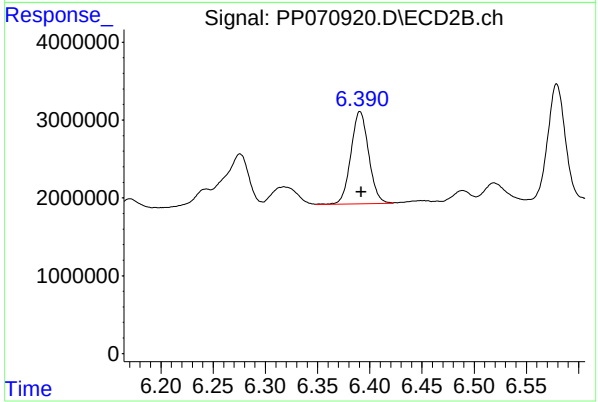
#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 9323046
Conc: 309.18 ng/ml



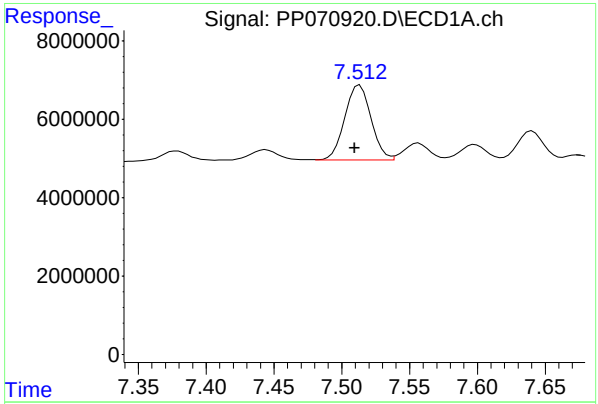
#31 AR-1260-1

R.T.: 7.260 min
Delta R.T.: 0.004 min
Response: 18182257
Conc: 272.09 ng/ml



#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: -0.001 min
Response: 14056672
Conc: 291.39 ng/ml



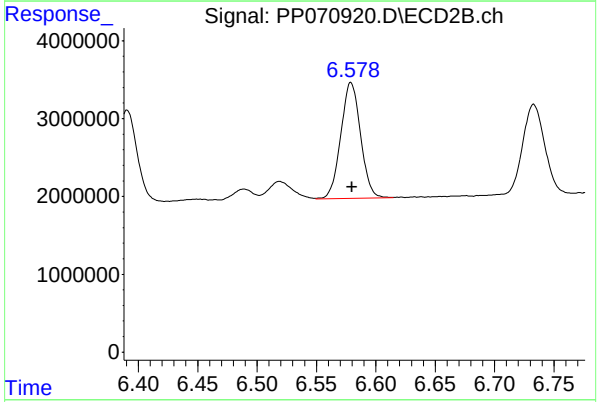
#32 AR-1260-2

R.T.: 7.513 min
Delta R.T.: 0.004 mi
Response: 25714746
Conc: 262.91 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

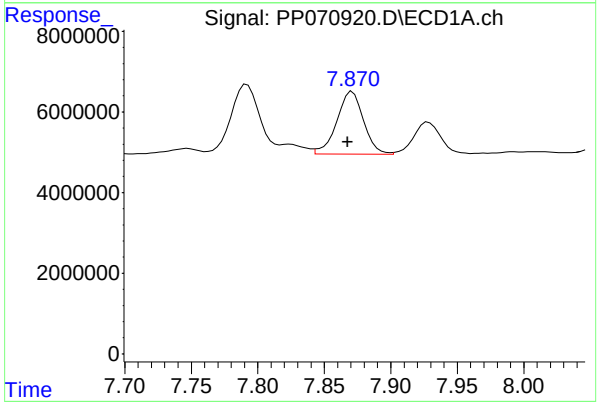
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



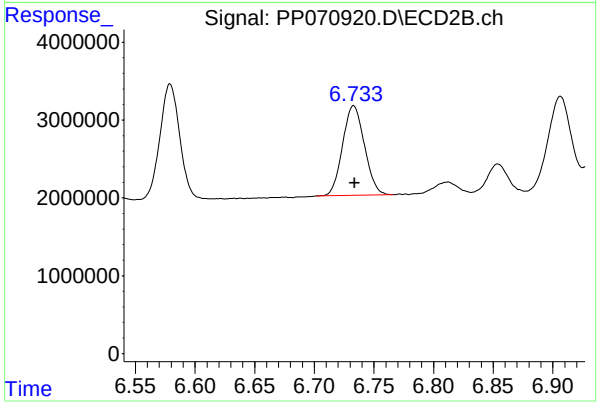
#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 17295947
Conc: 274.96 ng/ml



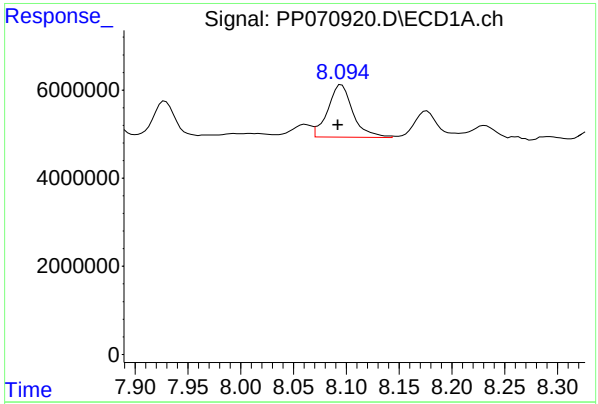
#33 AR-1260-3

R.T.: 7.870 min
Delta R.T.: 0.002 min
Response: 21528554
Conc: 259.47 ng/ml m



#33 AR-1260-3

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 14684885
Conc: 272.34 ng/ml



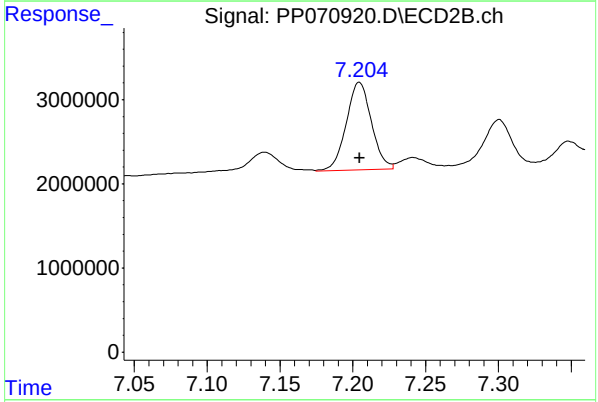
#34 AR-1260-4

R.T.: 8.094 min
Delta R.T.: 0.002 mi
Response: 19536409
Conc: 239.85 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

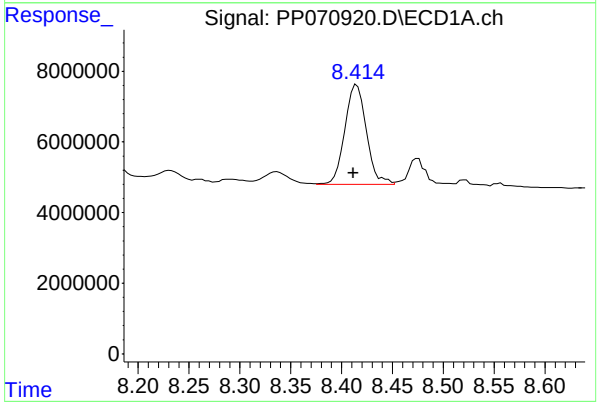
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



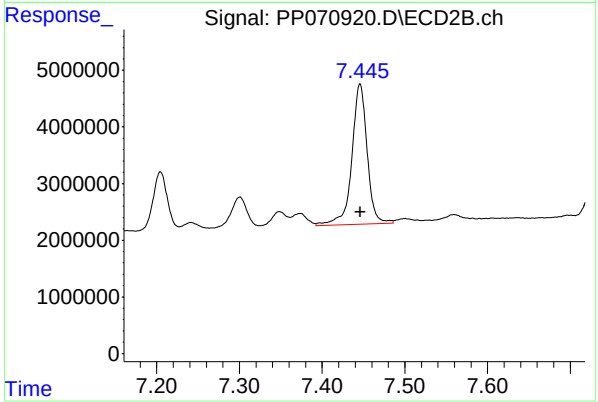
#34 AR-1260-4

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 12488782
Conc: 262.98 ng/ml



#35 AR-1260-5

R.T.: 8.414 min
Delta R.T.: 0.002 min
Response: 41714322
Conc: 260.78 ng/ml m



#35 AR-1260-5

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 31815782
Conc: 253.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:09:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.816	6533335	5359624	4.300	5.170
2)	SA Decachlor...	10.230	8.858	4733739	3413055	4.240	3.946
	Target Compounds						
3)	L1 AR-1016-1	5.666	4.903	2617394	2265971	51.388	59.700
4)	L1 AR-1016-2	5.688	4.922	4198554	3321854	53.274	61.085
5)	L1 AR-1016-3	5.751	5.099	2631097	1626306	56.201	54.484
6)	L1 AR-1016-4	5.848	5.140	1614372	1232754	41.378	51.810 #
7)	L1 AR-1016-5	6.139	5.356	1610860	1866333	45.971m	61.893 #
31)	L7 AR-1260-1	7.257	6.391	3667364	2989801	54.881m	61.977
32)	L7 AR-1260-2	7.512	6.579	4685539	3357287	47.905	53.372
33)	L7 AR-1260-3	7.869	6.732	3780088	2827385	45.559m	52.436
34)	L7 AR-1260-4	8.094	7.205	4593822	2746307	56.400m	57.831
35)	L7 AR-1260-5	8.412	7.445	7845589	7013440	49.047m	55.967

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

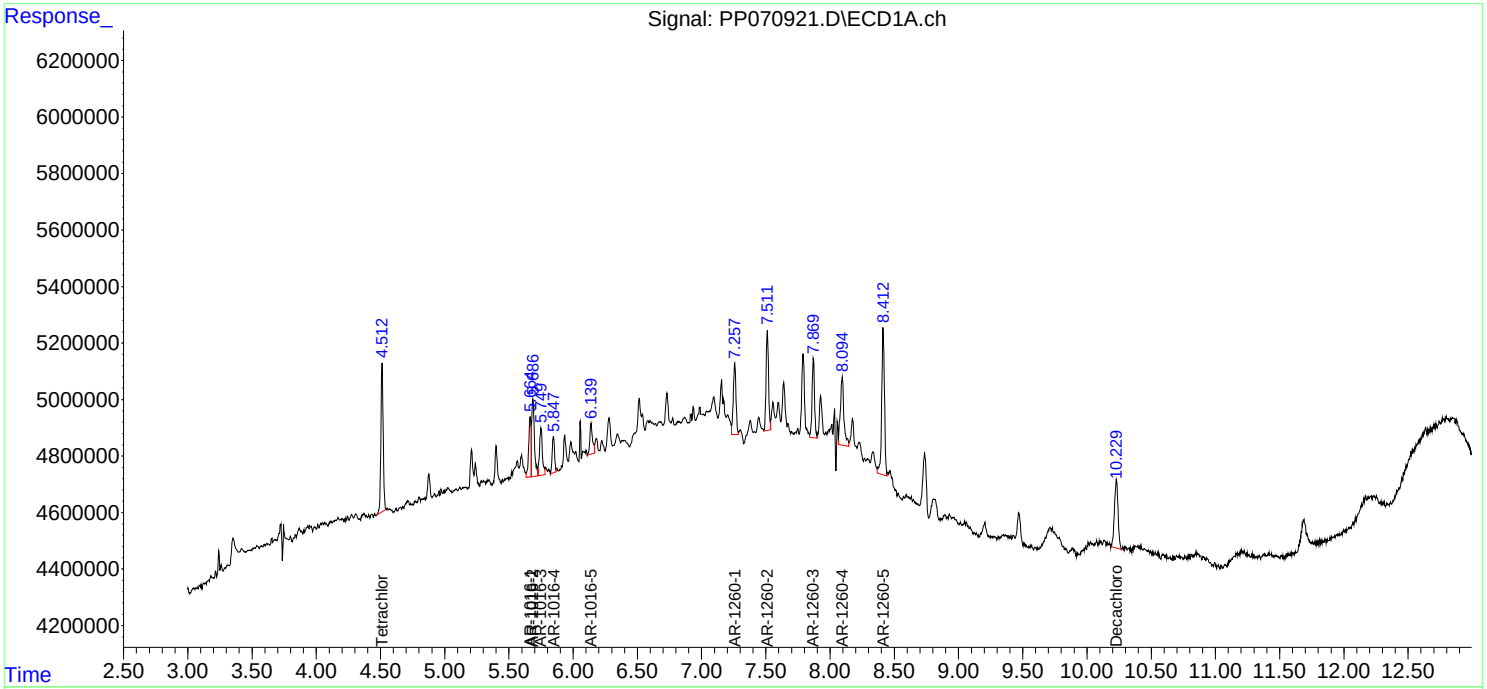
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

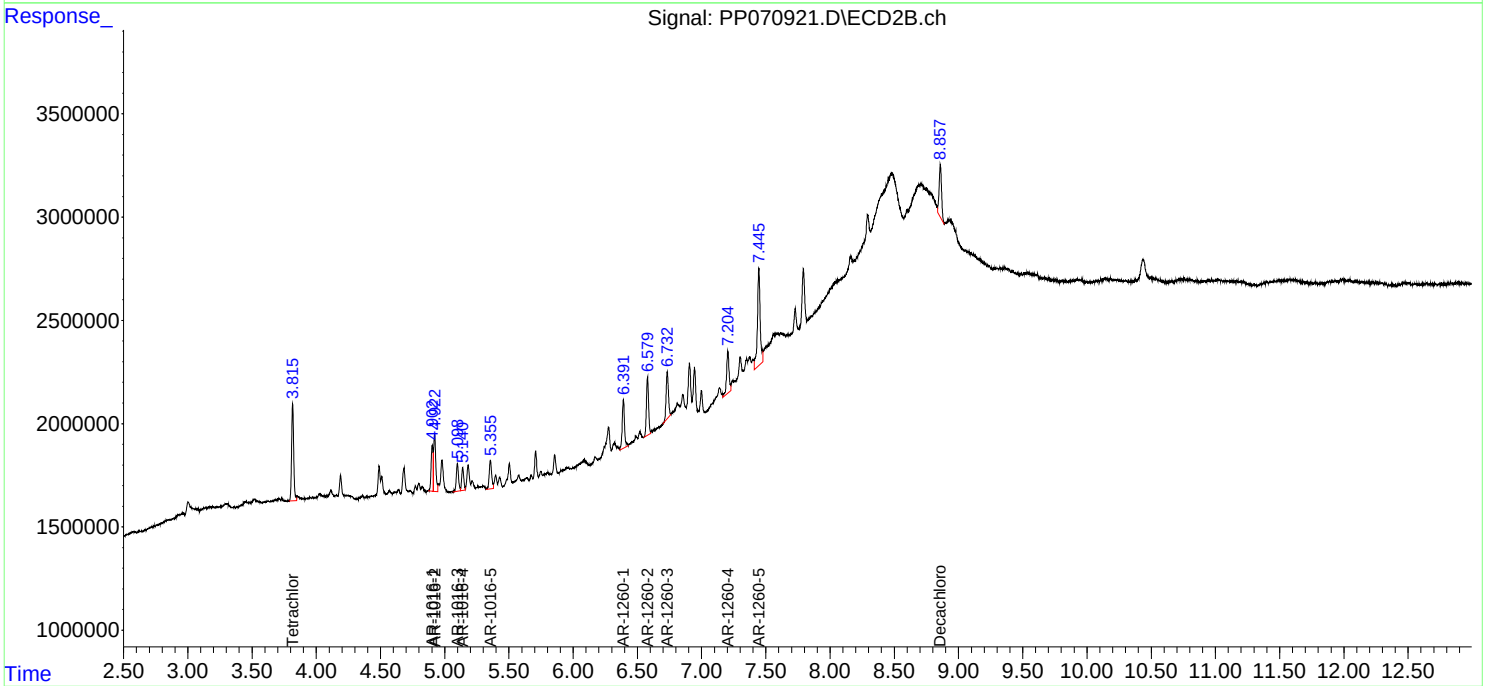
Manual Integrations APPROVED

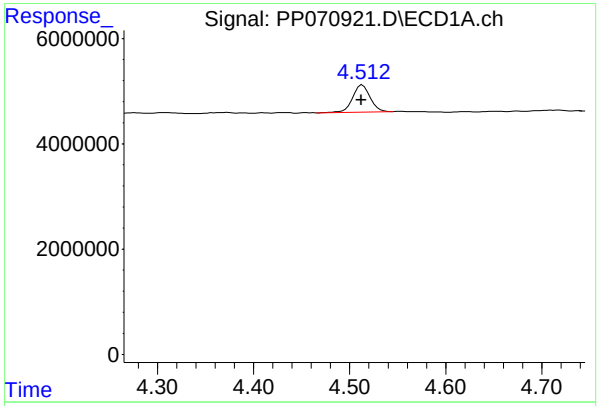
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:09:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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







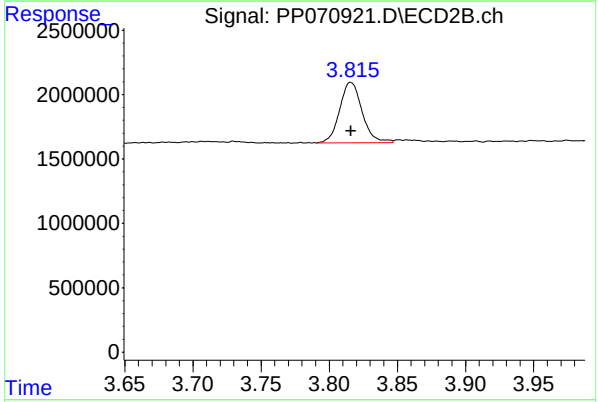
#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 6533335
Conc: 4.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

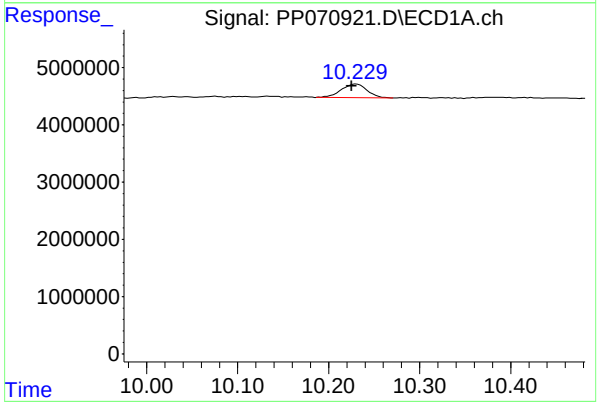
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



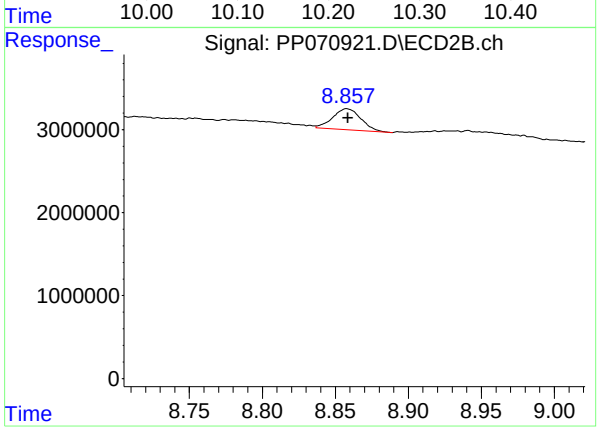
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 5359624
Conc: 5.17 ng/ml



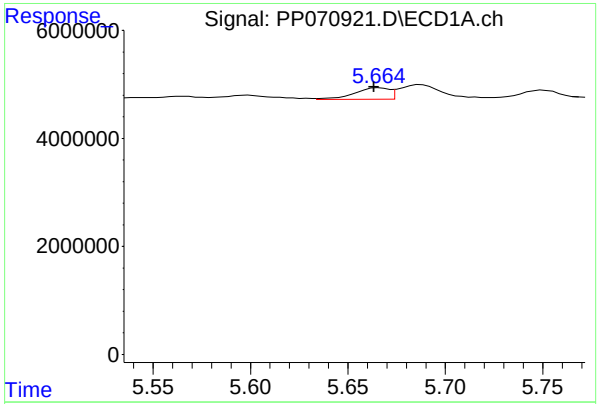
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.005 min
Response: 4733739
Conc: 4.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 3413055
Conc: 3.95 ng/ml



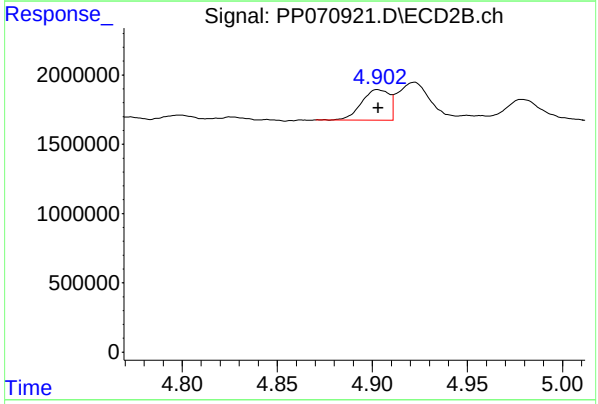
#3 AR-1016-1

R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 2617394
Conc: 51.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

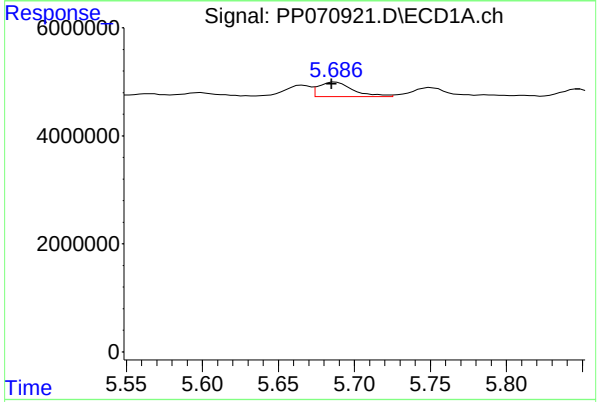
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



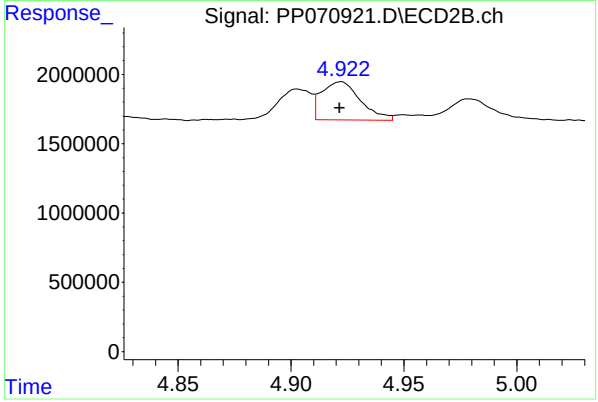
#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 2265971
Conc: 59.70 ng/ml



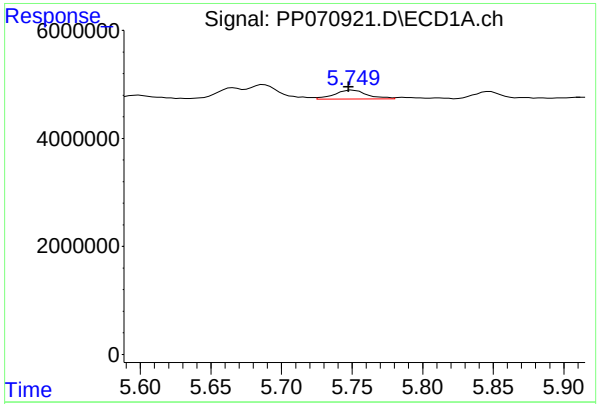
#4 AR-1016-2

R.T.: 5.688 min
Delta R.T.: 0.002 min
Response: 4198554
Conc: 53.27 ng/ml



#4 AR-1016-2

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 3321854
Conc: 61.09 ng/ml



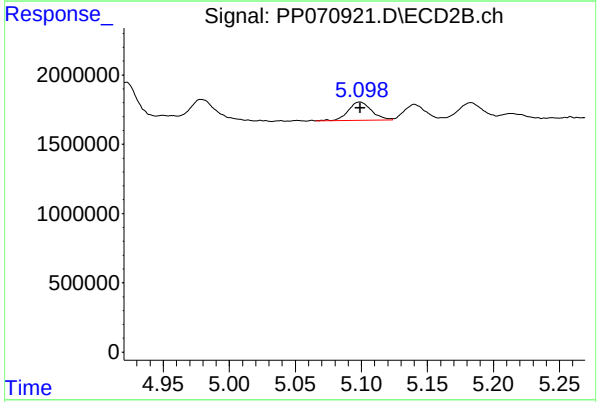
#5 AR-1016-3

R.T.: 5.751 min
Delta R.T.: 0.003 min
Response: 2631097
Conc: 56.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

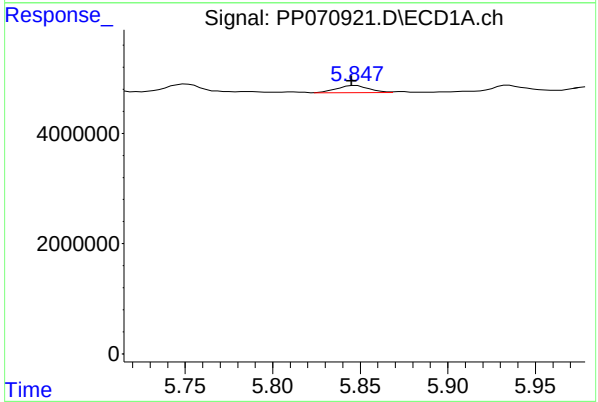
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



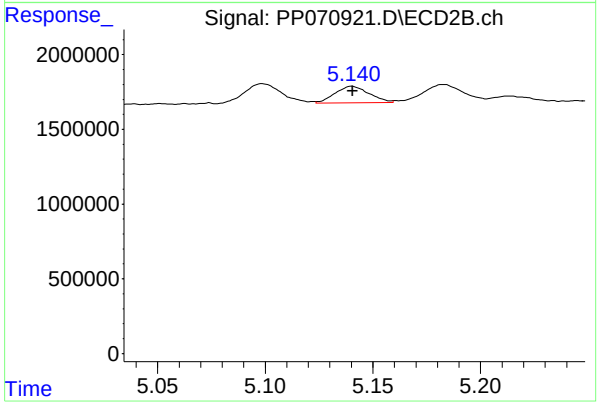
#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 1626306
Conc: 54.48 ng/ml



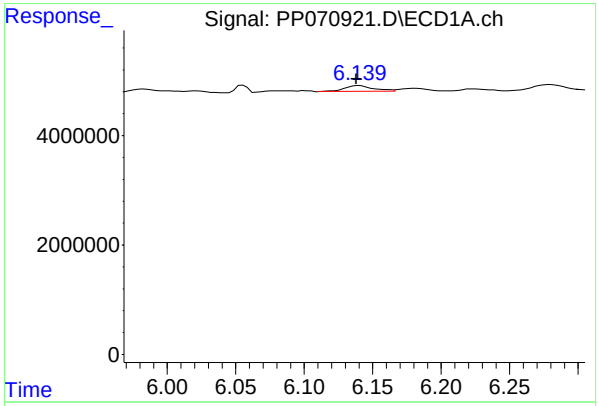
#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 1614372
Conc: 41.38 ng/ml



#6 AR-1016-4

R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1232754
Conc: 51.81 ng/ml



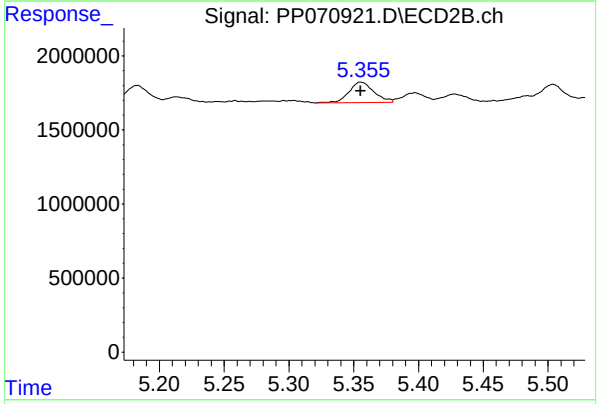
#7 AR-1016-5

R.T.: 6.139 min
Delta R.T.: 0.000 mi
Response: 1610860
Conc: 45.97 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

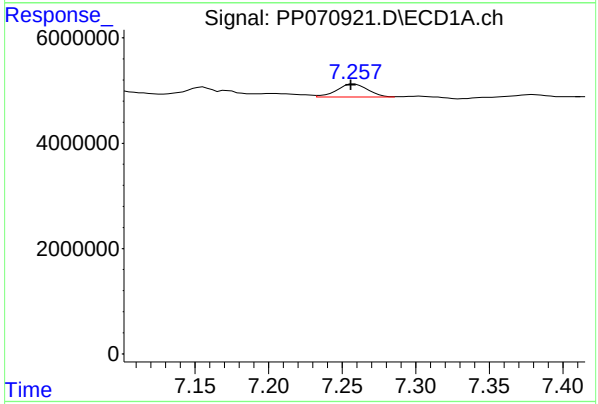
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



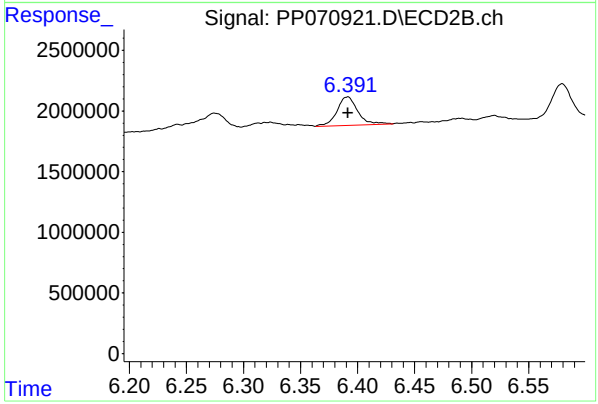
#7 AR-1016-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 1866333
Conc: 61.89 ng/ml



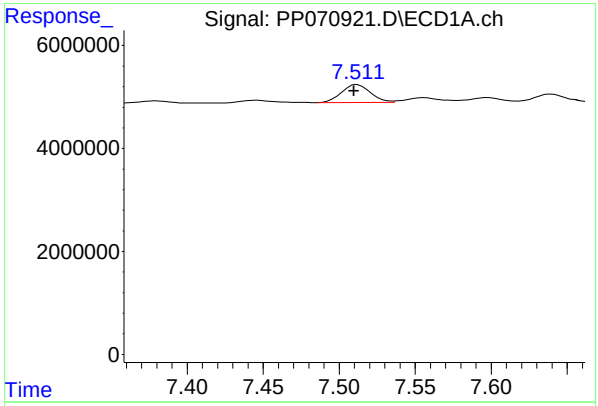
#31 AR-1260-1

R.T.: 7.257 min
Delta R.T.: 0.001 min
Response: 3667364
Conc: 54.88 ng/ml m



#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 2989801
Conc: 61.98 ng/ml



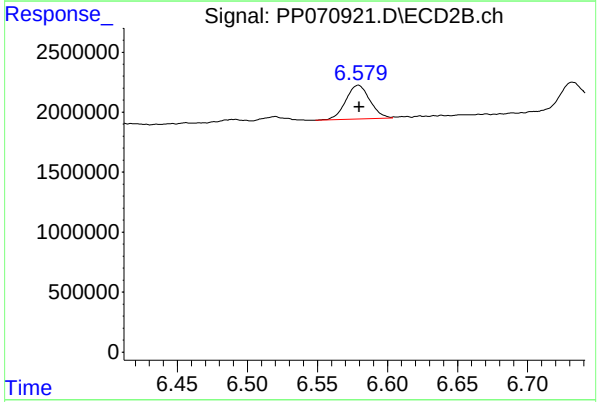
#32 AR-1260-2

R.T.: 7.512 min
Delta R.T.: 0.002 mi
Response: 4685539
Conc: 47.91 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

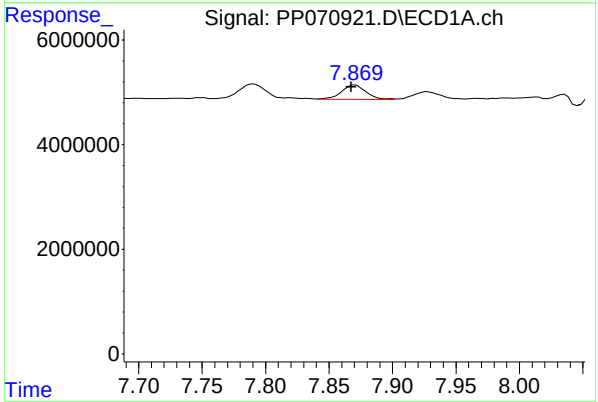
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



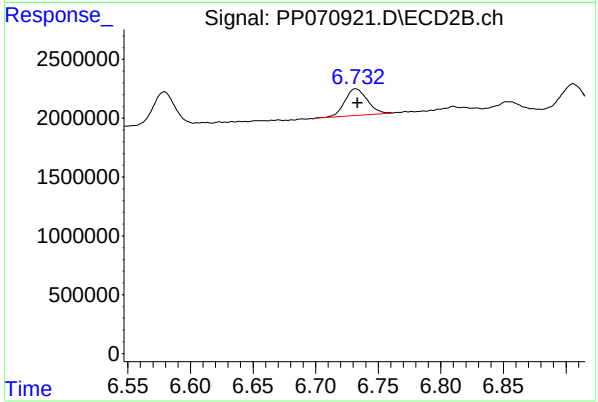
#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 3357287
Conc: 53.37 ng/ml



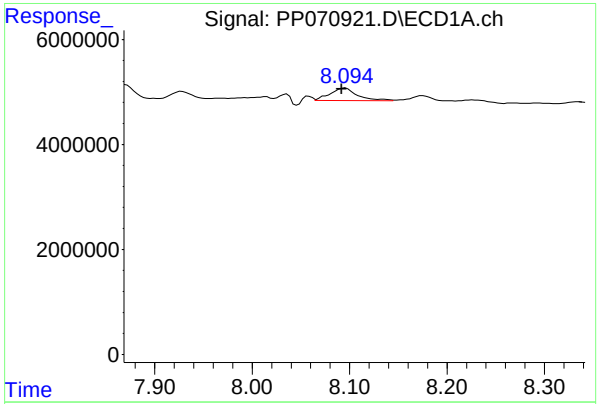
#33 AR-1260-3

R.T.: 7.869 min
Delta R.T.: 0.002 min
Response: 3780088
Conc: 45.56 ng/ml m



#33 AR-1260-3

R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 2827385
Conc: 52.44 ng/ml



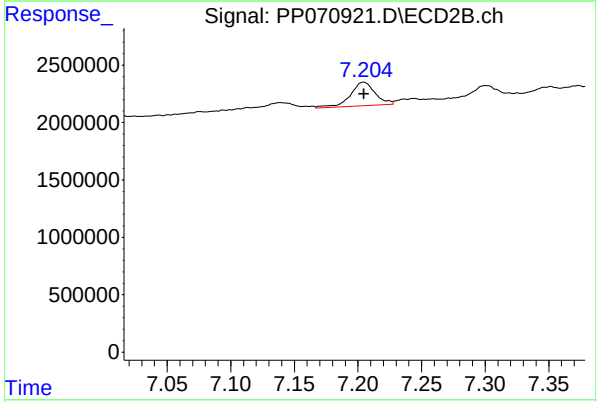
#34 AR-1260-4

R.T.: 8.094 min
Delta R.T.: 0.002 mi
Response: 4593822
Conc: 56.40 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

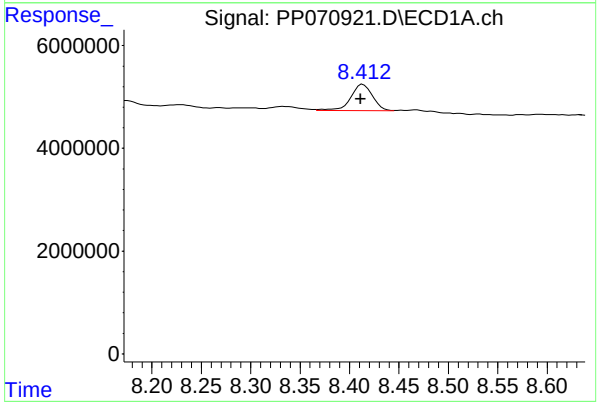
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



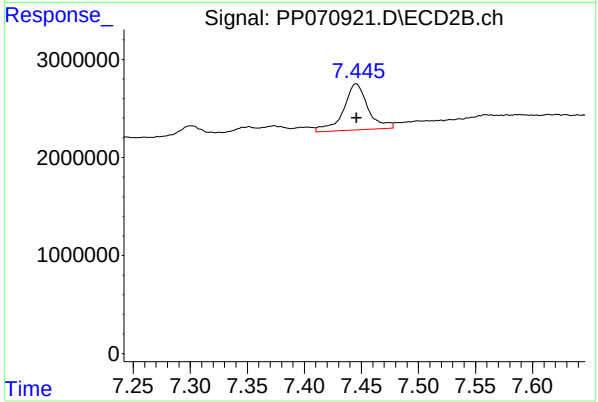
#34 AR-1260-4

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 2746307
Conc: 57.83 ng/ml



#35 AR-1260-5

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 7845589
Conc: 49.05 ng/ml m



#35 AR-1260-5

R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 7013440
Conc: 55.97 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:52
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: Mar 27 12:33:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:32:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.817	75324924	52315210	50.000	50.000
2)	SA Decachlor...	10.229	8.859	52098024	39006992	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.716	4.027	8676827	7621792	500.000	500.000
9)	L2 AR-1221-2	4.802	4.114	6476464	5718144	500.000	500.000
10)	L2 AR-1221-3	4.878	4.190	20858618	17044480	500.000	500.000

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

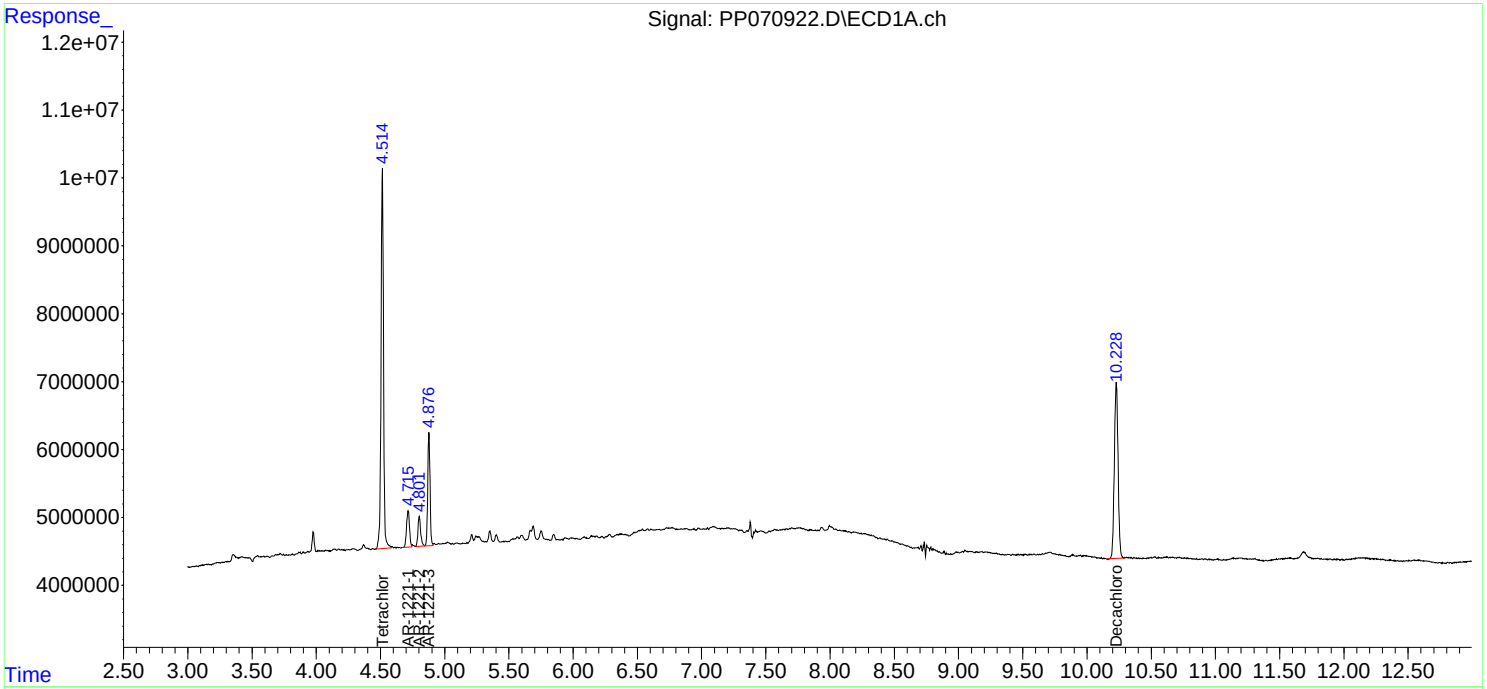
ICAL Form

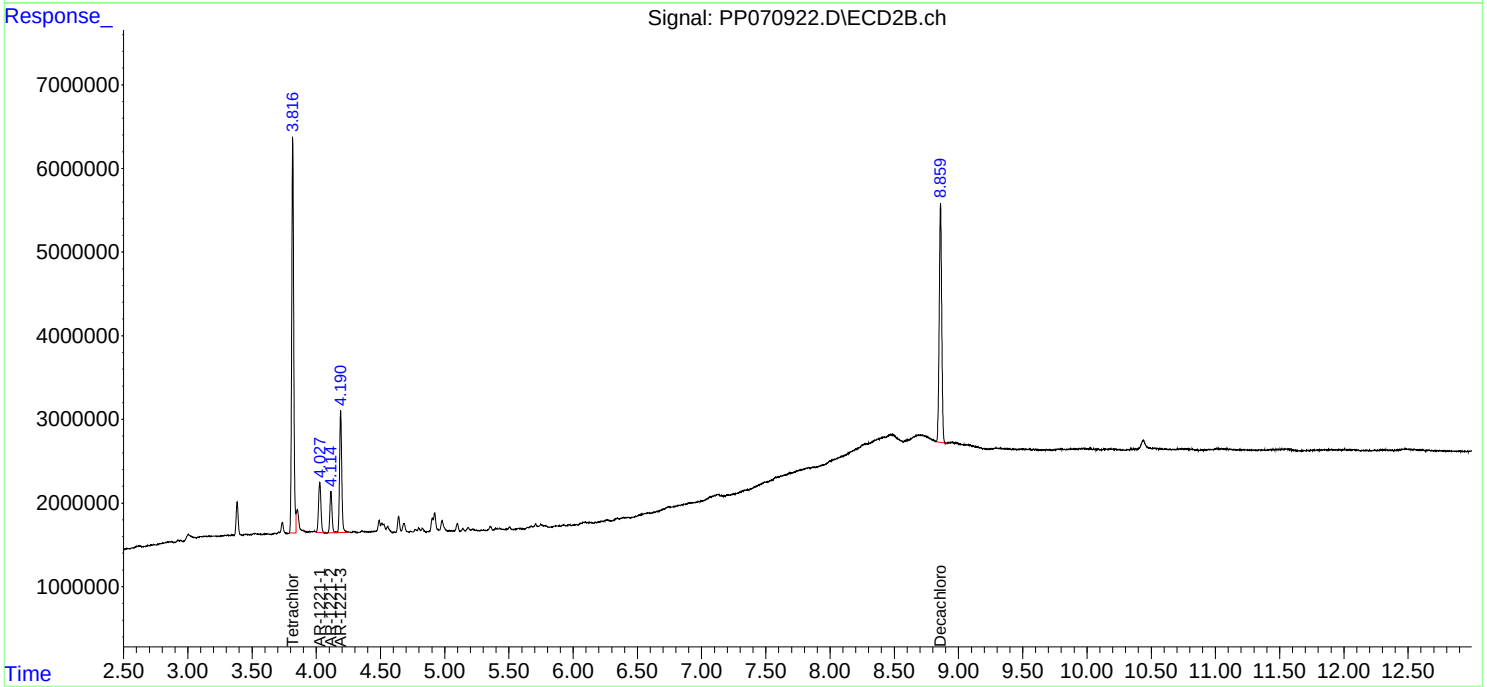
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:52
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

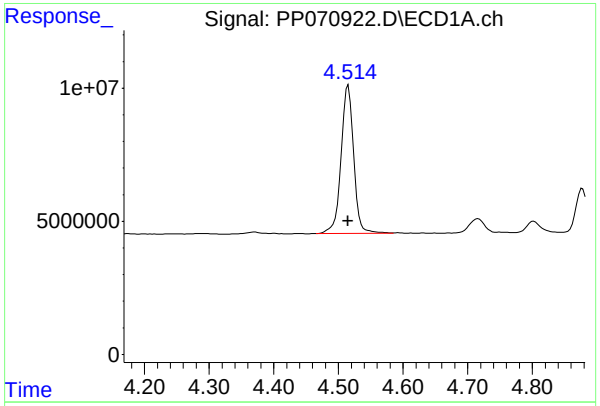
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:33:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:32:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



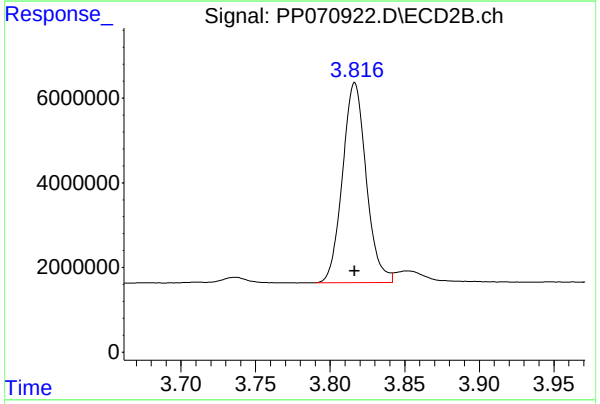




#1 Tetrachloro-m-xylene

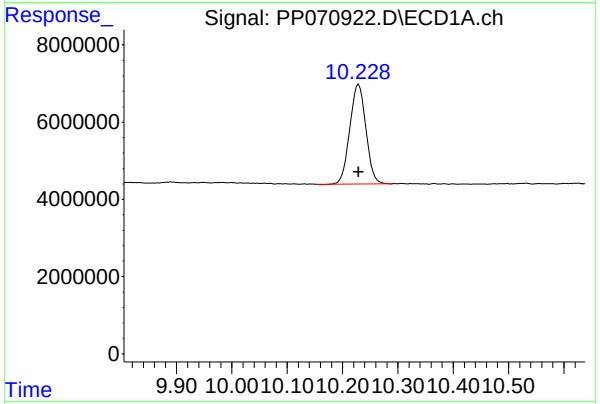
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 75324924
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



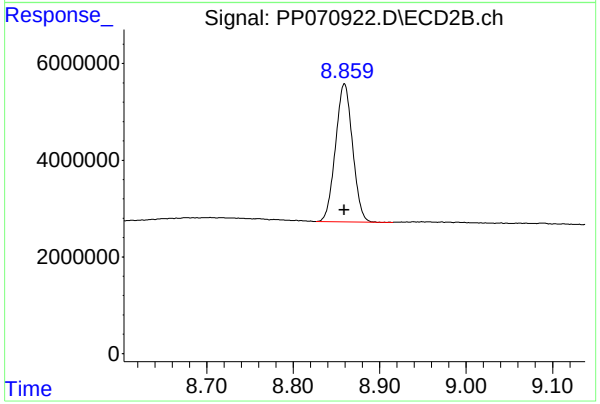
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 52315210
Conc: 50.00 ng/ml



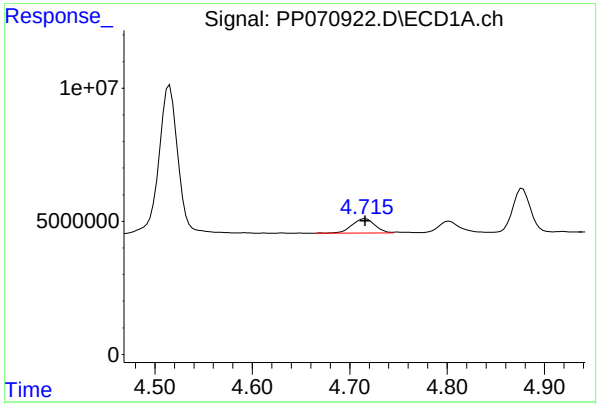
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.000 min
Response: 52098024
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

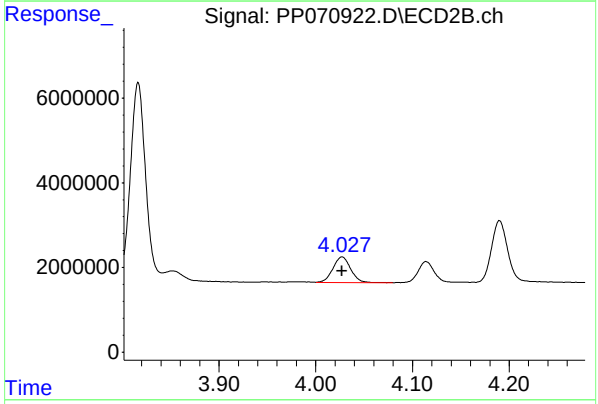
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 39006992
Conc: 50.00 ng/ml



#8 AR-1221-1

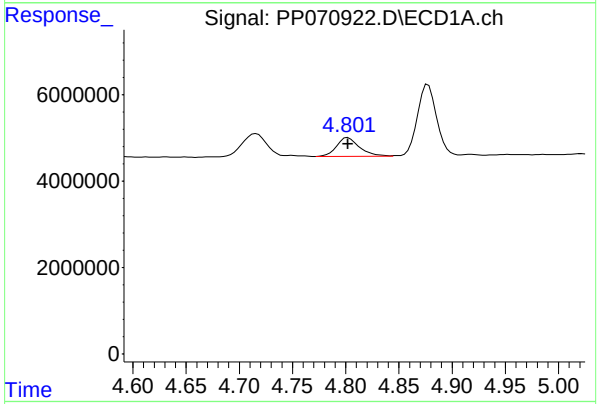
R.T.: 4.716 min
Delta R.T.: 0.000 min
Response: 8676827
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



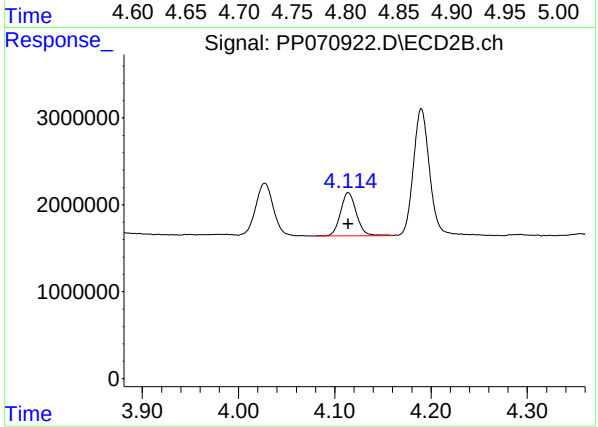
#8 AR-1221-1

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 7621792
Conc: 500.00 ng/ml



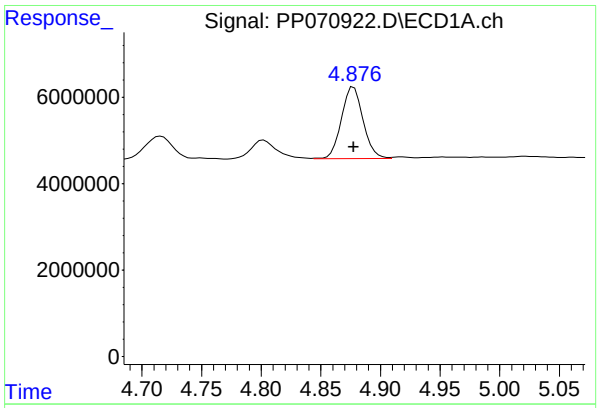
#9 AR-1221-2

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 6476464
Conc: 500.00 ng/ml



#9 AR-1221-2

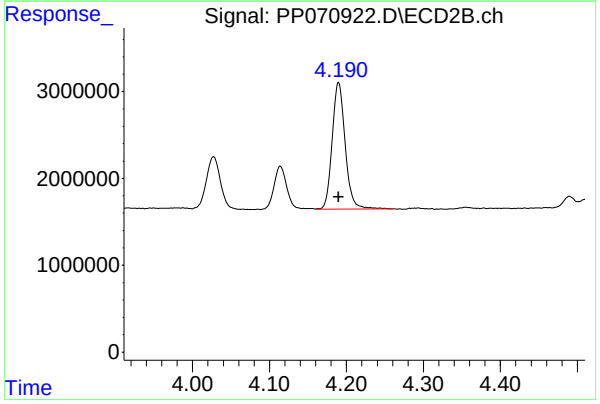
R.T.: 4.114 min
Delta R.T.: 0.000 min
Response: 5718144
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 20858618
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 17044480
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:11
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:38:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.817	74435949	51438566	50.000	50.000
2)	SA Decachlor...	10.234	8.860	46115316	40517792	51.013m	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.883	4.191	16644355	13993352	500.000	500.000
12)	L3 AR-1232-2	5.408	4.923	7955169	14030567	500.000	500.000
13)	L3 AR-1232-3	5.694	5.100	17135200	7444793	500.000	500.000
14)	L3 AR-1232-4	5.854	5.185	7853790	6402183	500.000	500.000
15)	L3 AR-1232-5	5.943	5.357	5320177	7087391	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:11
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

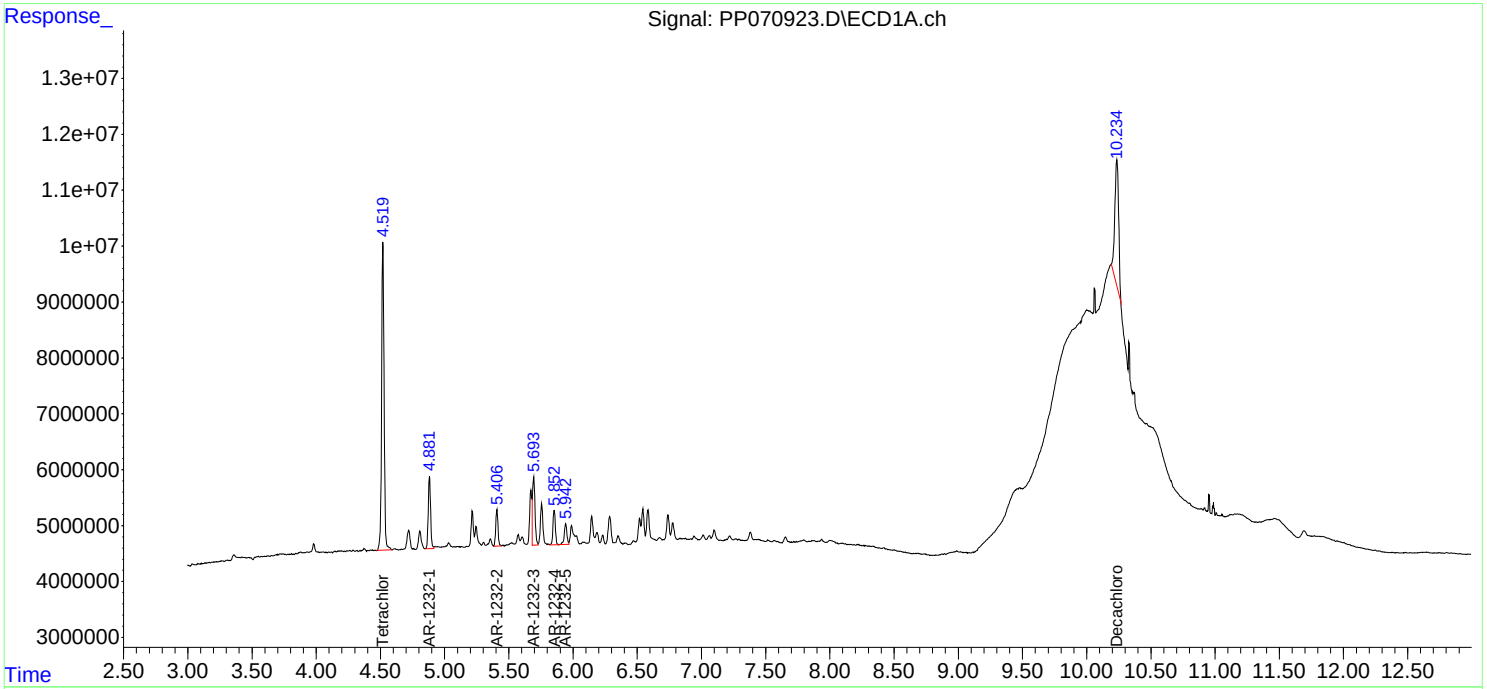
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

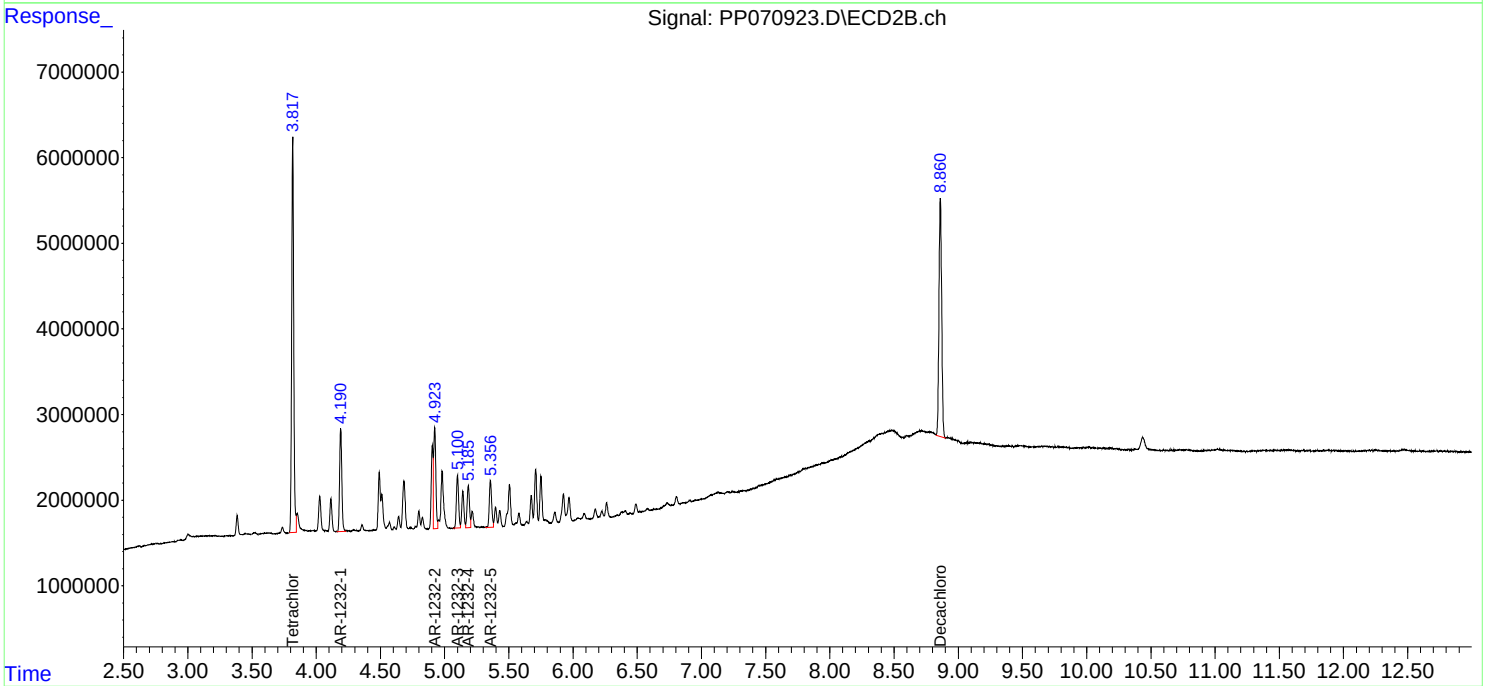
Manual Integrations APPROVED

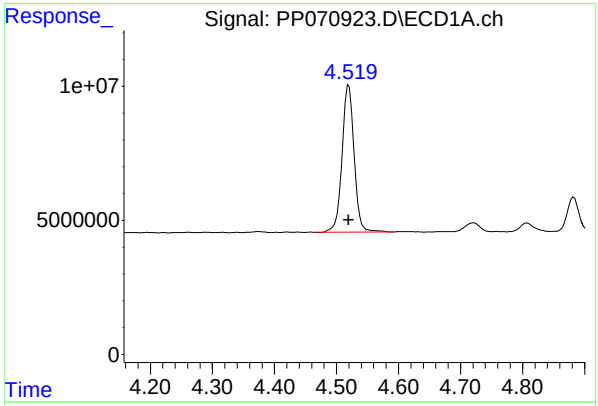
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:38:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







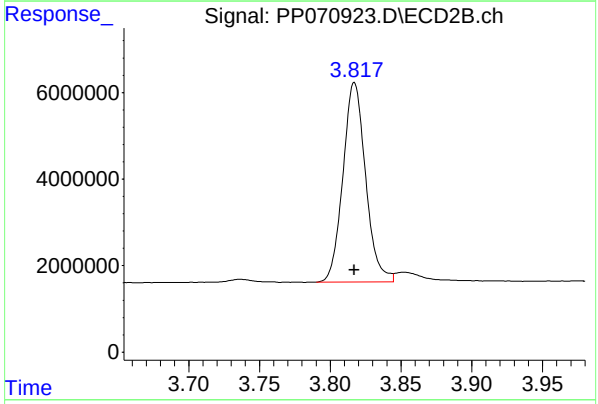
#1 Tetrachloro-m-xylene

R.T.: 4.520 min
Delta R.T.: 0.000 mi
Response: 74435949
Conc: 50.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

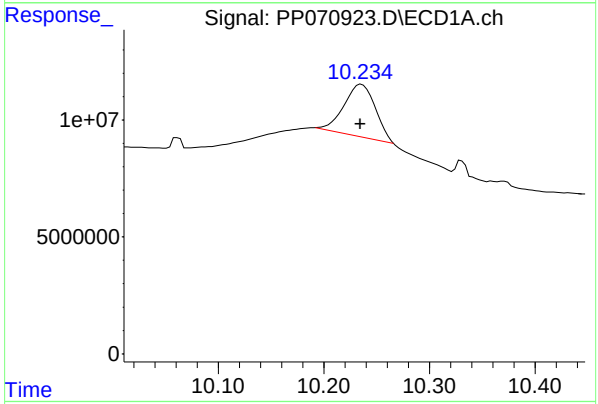
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



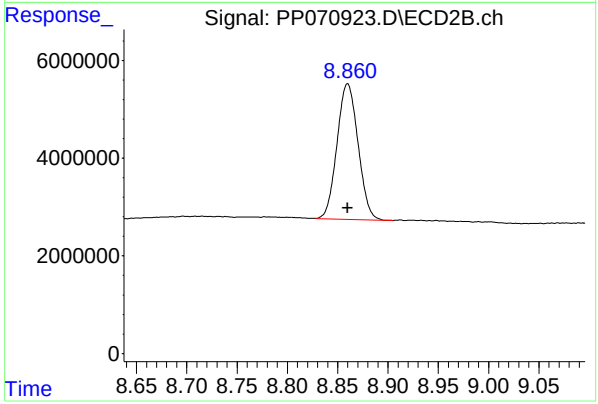
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 51438566
Conc: 50.00 ng/ml



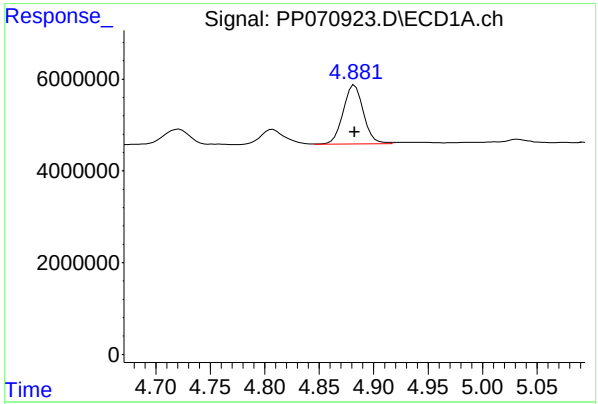
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: 0.000 min
Response: 46115316
Conc: 51.01 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 40517792
Conc: 50.00 ng/ml



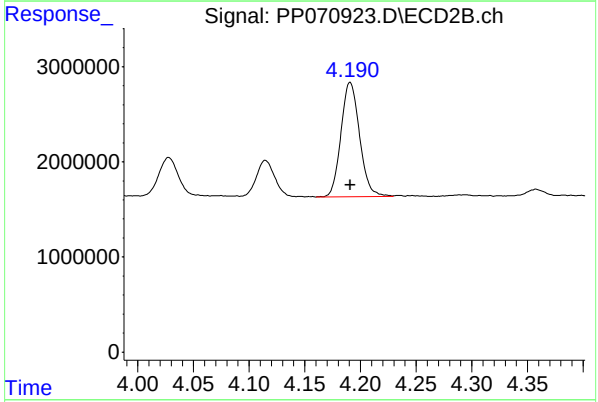
#11 AR-1232-1

R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 16644355
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

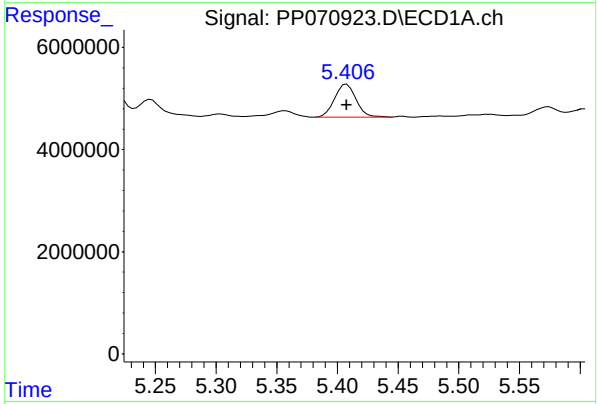
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



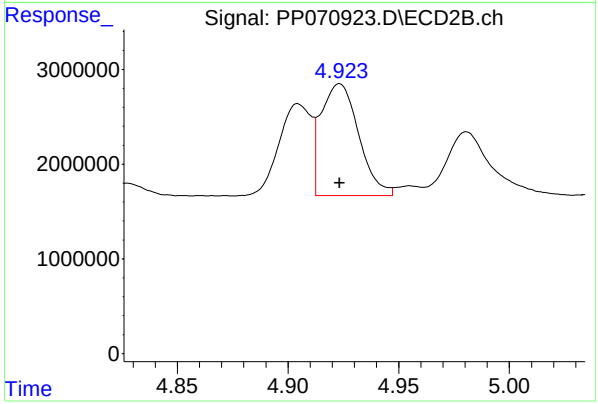
#11 AR-1232-1

R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 13993352
Conc: 500.00 ng/ml



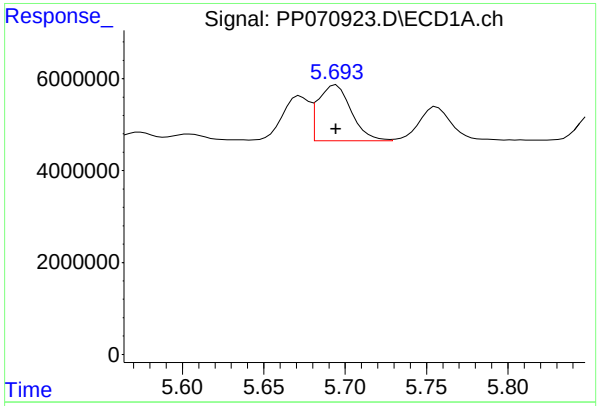
#12 AR-1232-2

R.T.: 5.408 min
Delta R.T.: 0.000 min
Response: 7955169
Conc: 500.00 ng/ml



#12 AR-1232-2

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 14030567
Conc: 500.00 ng/ml



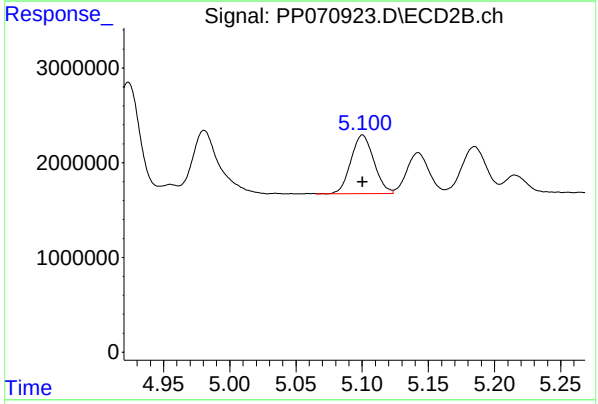
#13 AR-1232-3

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 17135200
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

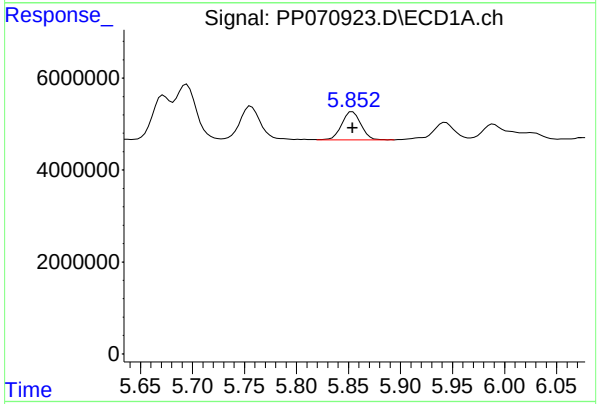
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



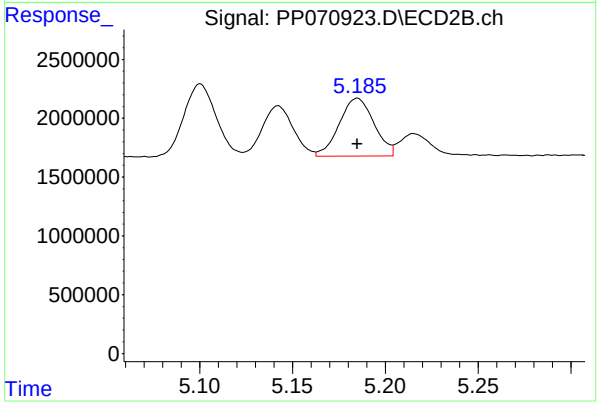
#13 AR-1232-3

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 7444793
Conc: 500.00 ng/ml



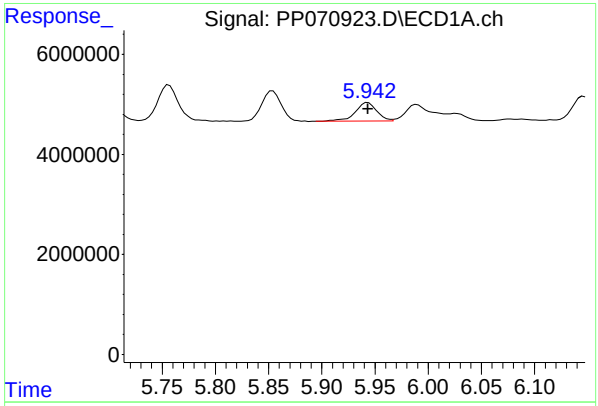
#14 AR-1232-4

R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 7853790
Conc: 500.00 ng/ml



#14 AR-1232-4

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 6402183
Conc: 500.00 ng/ml



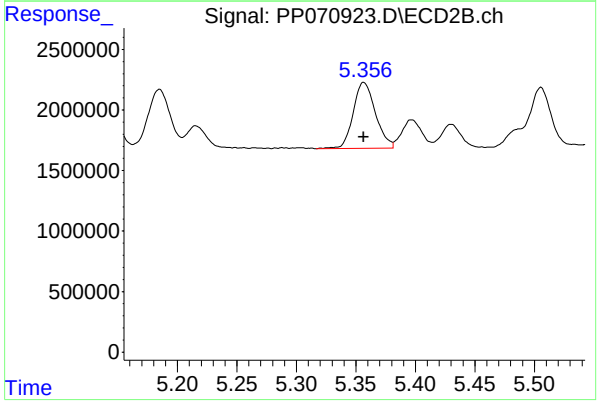
#15 AR-1232-5

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 5320177
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#15 AR-1232-5

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 7087391
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:28
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: Mar 27 13:28:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.816	144.4E6	99447440	93.922	88.806
2)	SA Decachlor...	10.227	8.858	103.6E6	79468601	93.673	102.468
	Target Compounds						
16)	L4 AR-1242-1	5.666	4.903	40990074	30391529	943.761	877.115
17)	L4 AR-1242-2	5.687	4.922	64704598	43879042	965.382	887.614
18)	L4 AR-1242-3	5.749	5.099	39349869	24103124	991.106	905.487
19)	L4 AR-1242-4	5.846	5.183	30814559	23086538	954.688	902.469
20)	L4 AR-1242-5	6.577	5.707	36006298	28647762	964.427	907.760

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

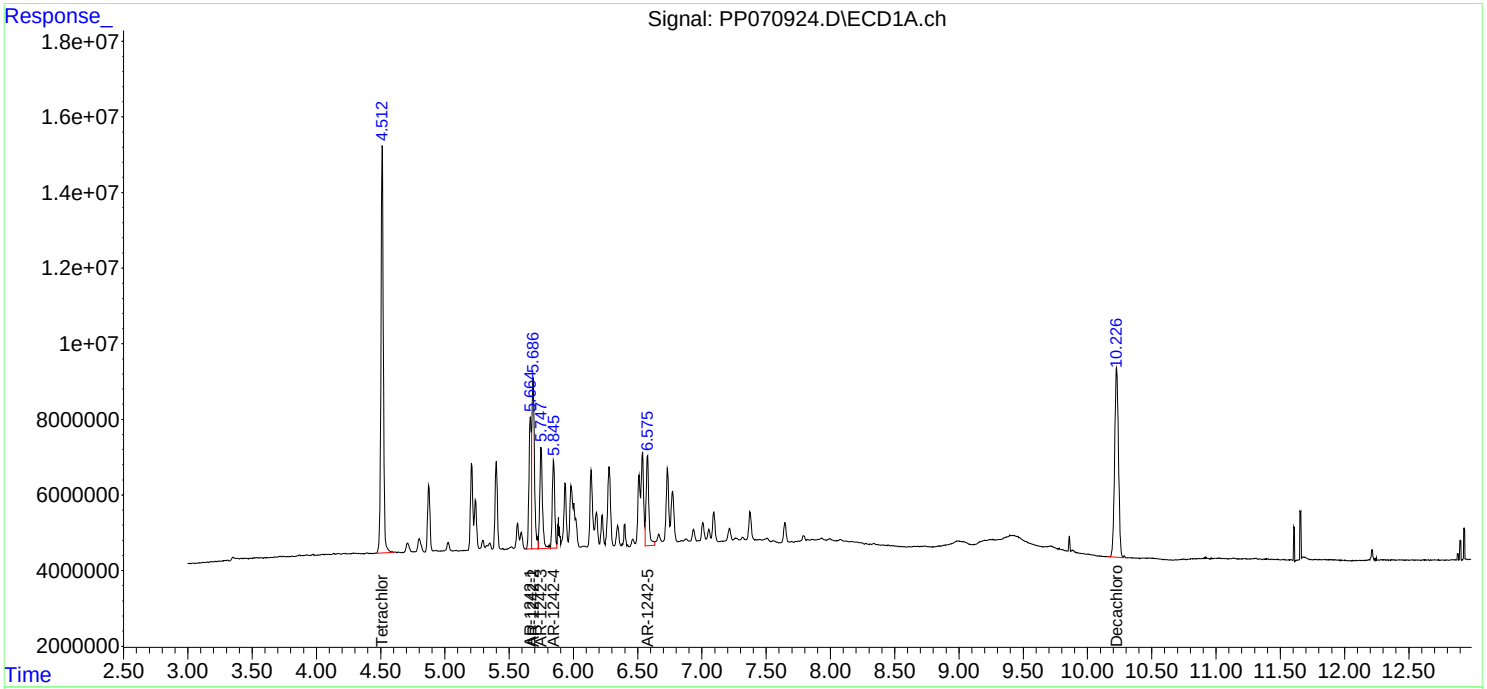
ICAL Form

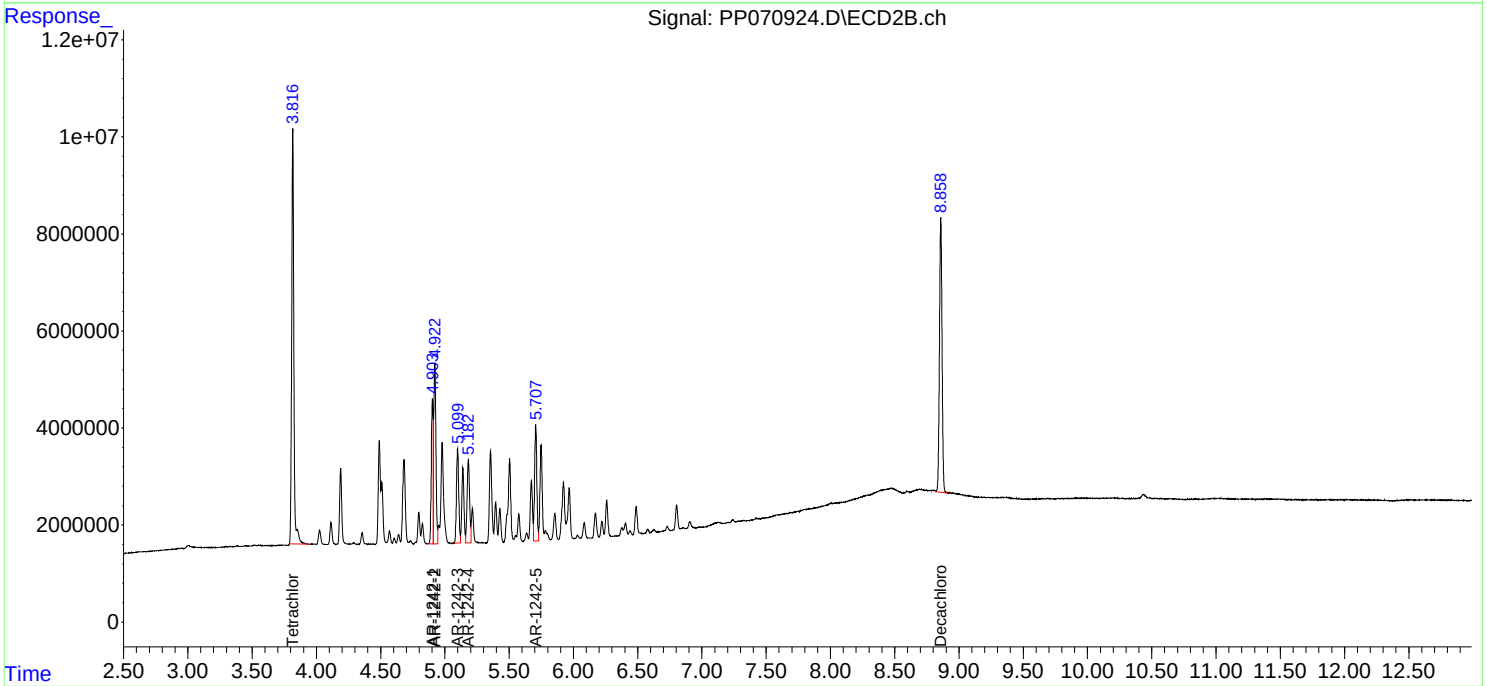
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:28
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

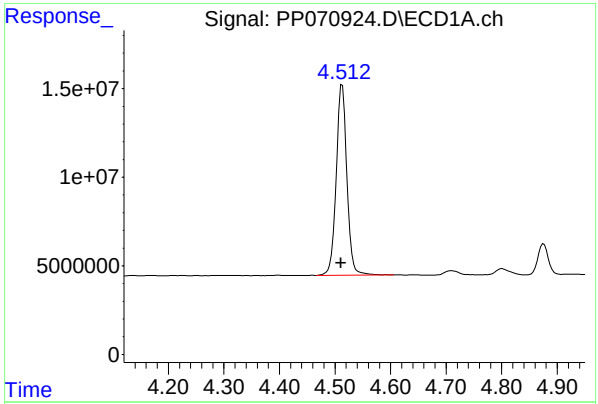
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



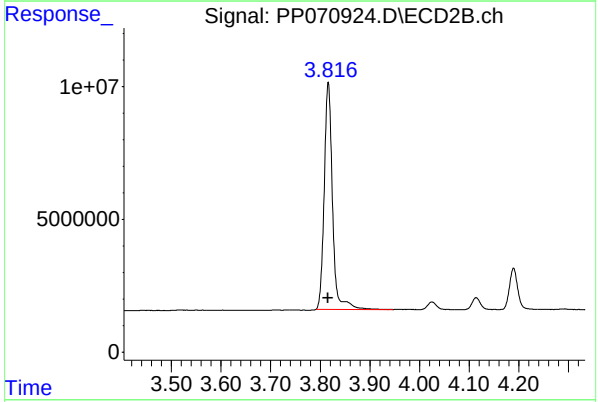




#1 Tetrachloro-m-xylene

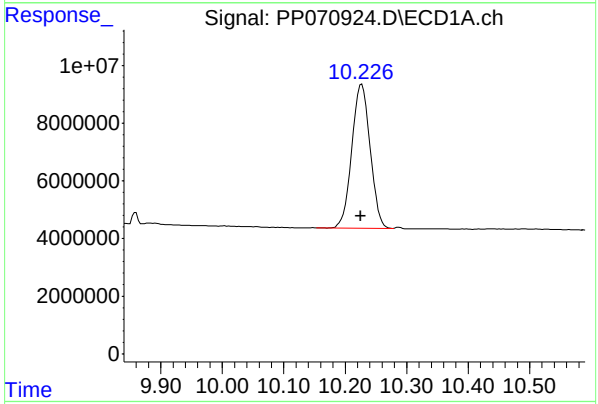
R.T.: 4.513 min
Delta R.T.: 0.002 min
Response: 144394733
Conc: 93.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



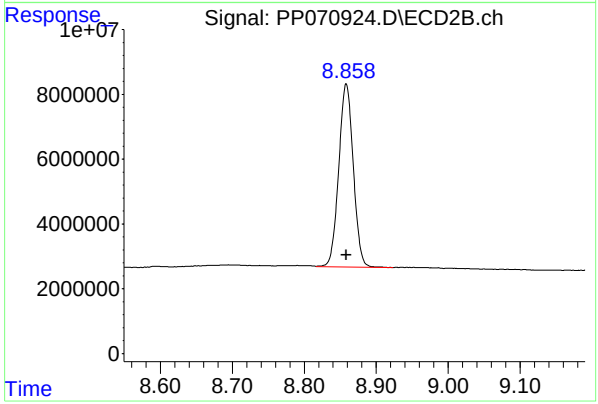
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 99447440
Conc: 88.81 ng/ml



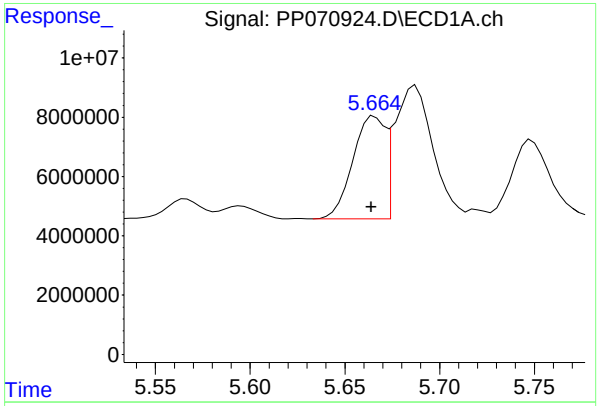
#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.002 min
Response: 103629813
Conc: 93.67 ng/ml



#2 Decachlorobiphenyl

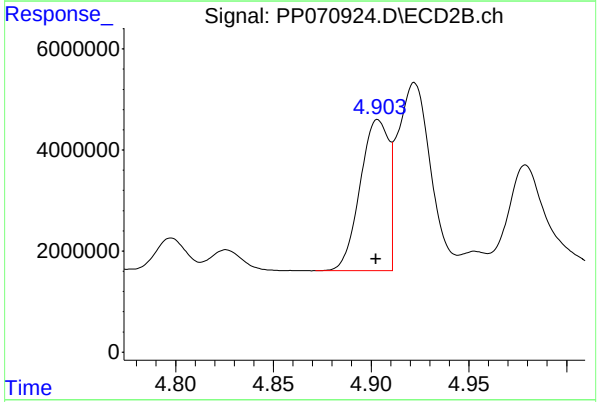
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 79468601
Conc: 102.47 ng/ml



#16 AR-1242-1

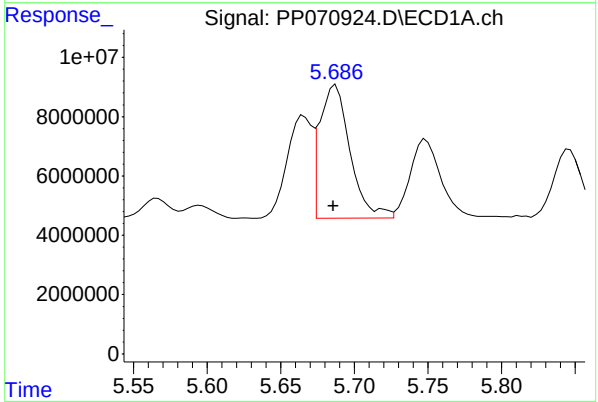
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 40990074
Conc: 943.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



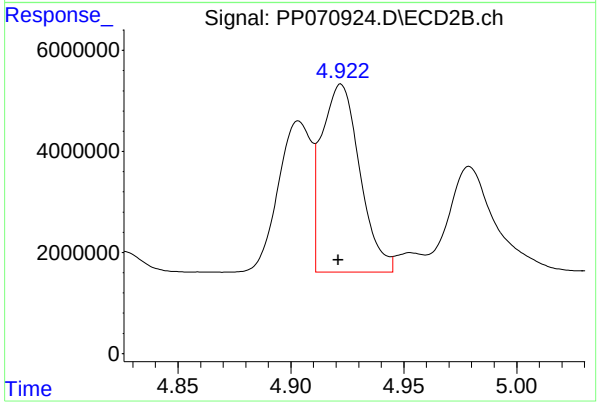
#16 AR-1242-1

R.T.: 4.903 min
Delta R.T.: 0.001 min
Response: 30391529
Conc: 877.12 ng/ml



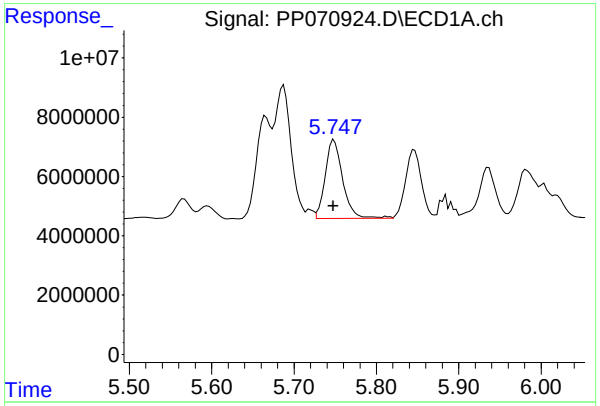
#17 AR-1242-2

R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 64704598
Conc: 965.38 ng/ml



#17 AR-1242-2

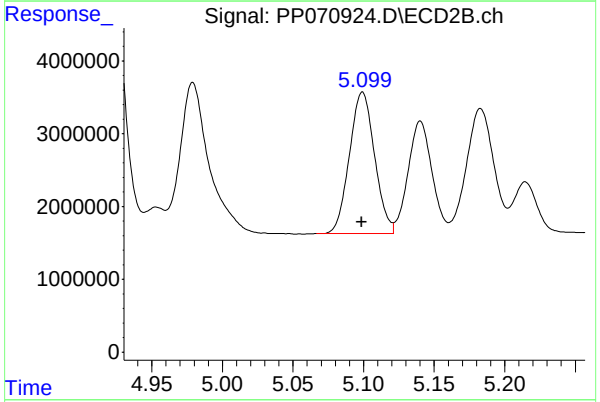
R.T.: 4.922 min
Delta R.T.: 0.001 min
Response: 43879042
Conc: 887.61 ng/ml



#18 AR-1242-3

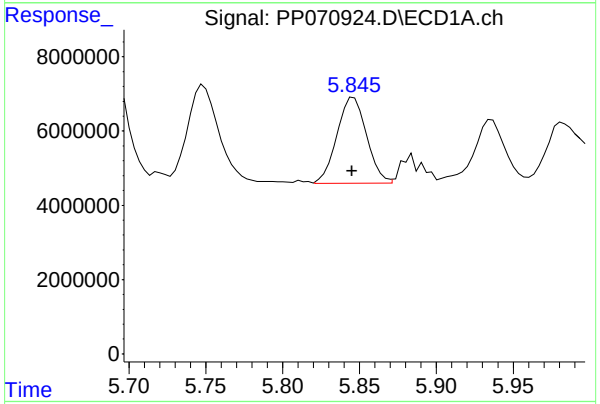
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 39349869
Conc: 991.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



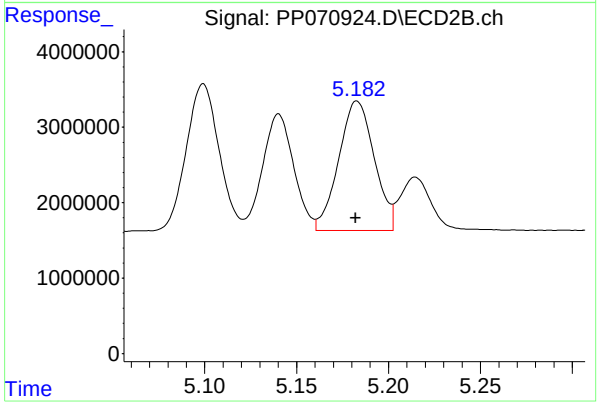
#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 24103124
Conc: 905.49 ng/ml



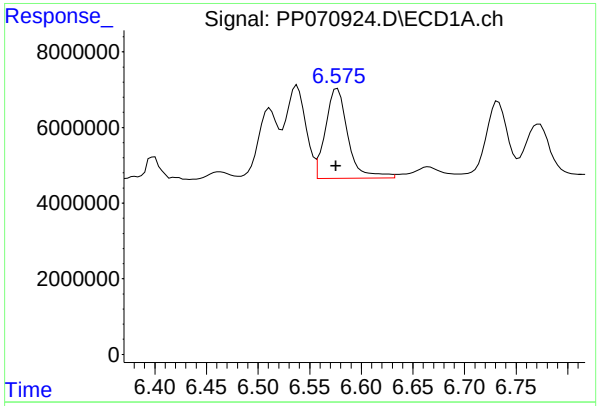
#19 AR-1242-4

R.T.: 5.846 min
Delta R.T.: 0.001 min
Response: 30814559
Conc: 954.69 ng/ml



#19 AR-1242-4

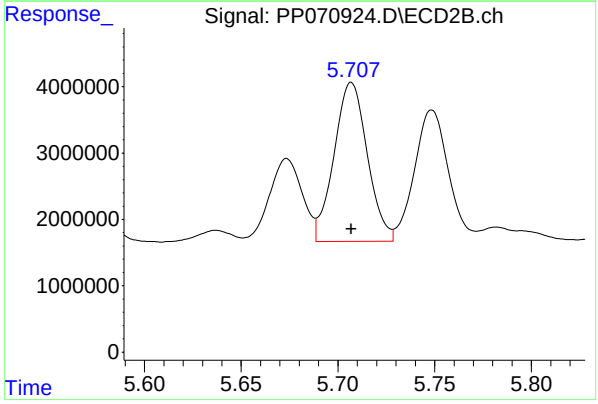
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 23086538
Conc: 902.47 ng/ml



#20 AR-1242-5

R.T.: 6.577 min
Delta R.T.: 0.001 mi
Response: 36006298
Conc: 964.43 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 28647762
Conc: 907.76 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:44
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: Mar 27 13:28:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.816	113.1E6	76564298	73.554	68.372
2)	SA Decachlor...	10.229	8.859	79761677	58459899	72.098	75.379
	Target Compounds						
16)	L4 AR-1242-1	5.666	4.903	32059711	23829543	738.147	687.733
17)	L4 AR-1242-2	5.687	4.921	47897203	33806804	714.618	683.867
18)	L4 AR-1242-3	5.750	5.099	28536378	18473047	718.747	693.981
19)	L4 AR-1242-4	5.847	5.183	23599640	17369419	731.158	678.983
20)	L4 AR-1242-5	6.577	5.707	26235924	21926365	702.728	694.780

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

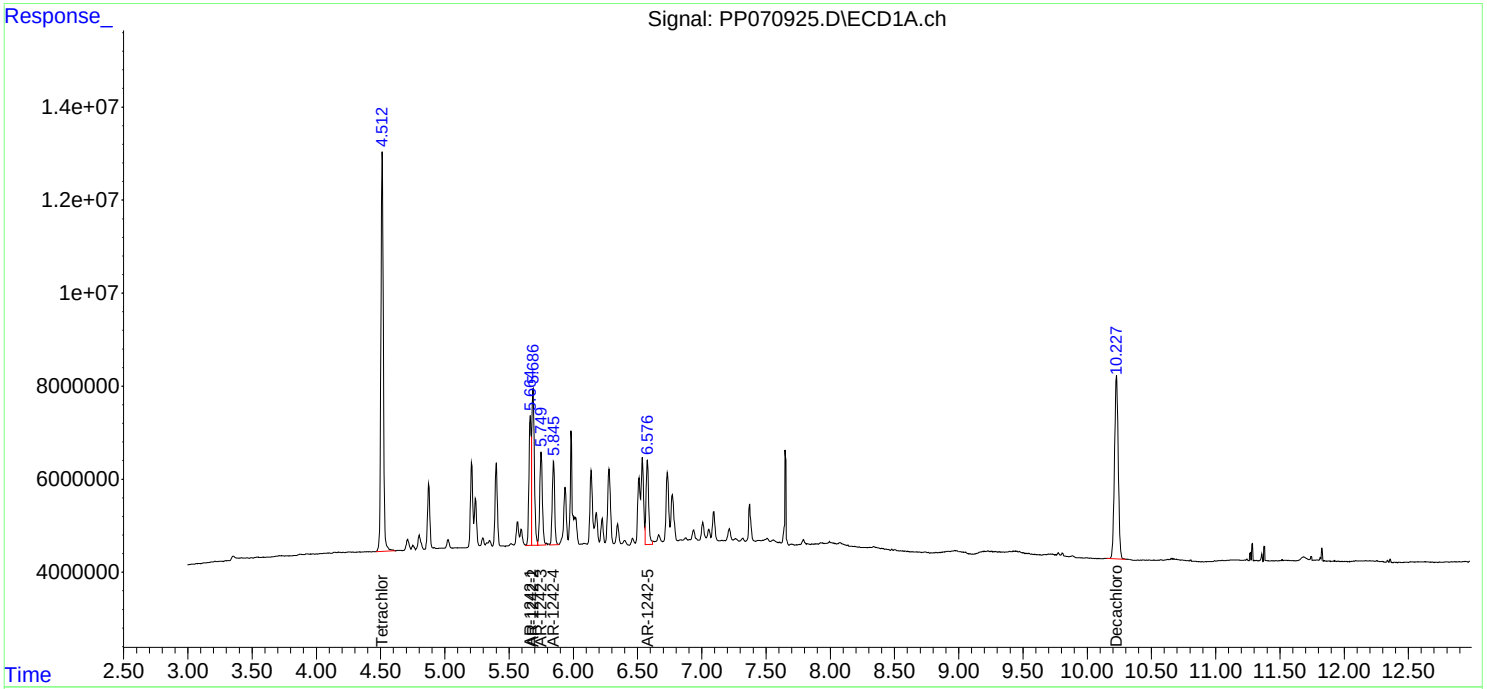
ICAL Form

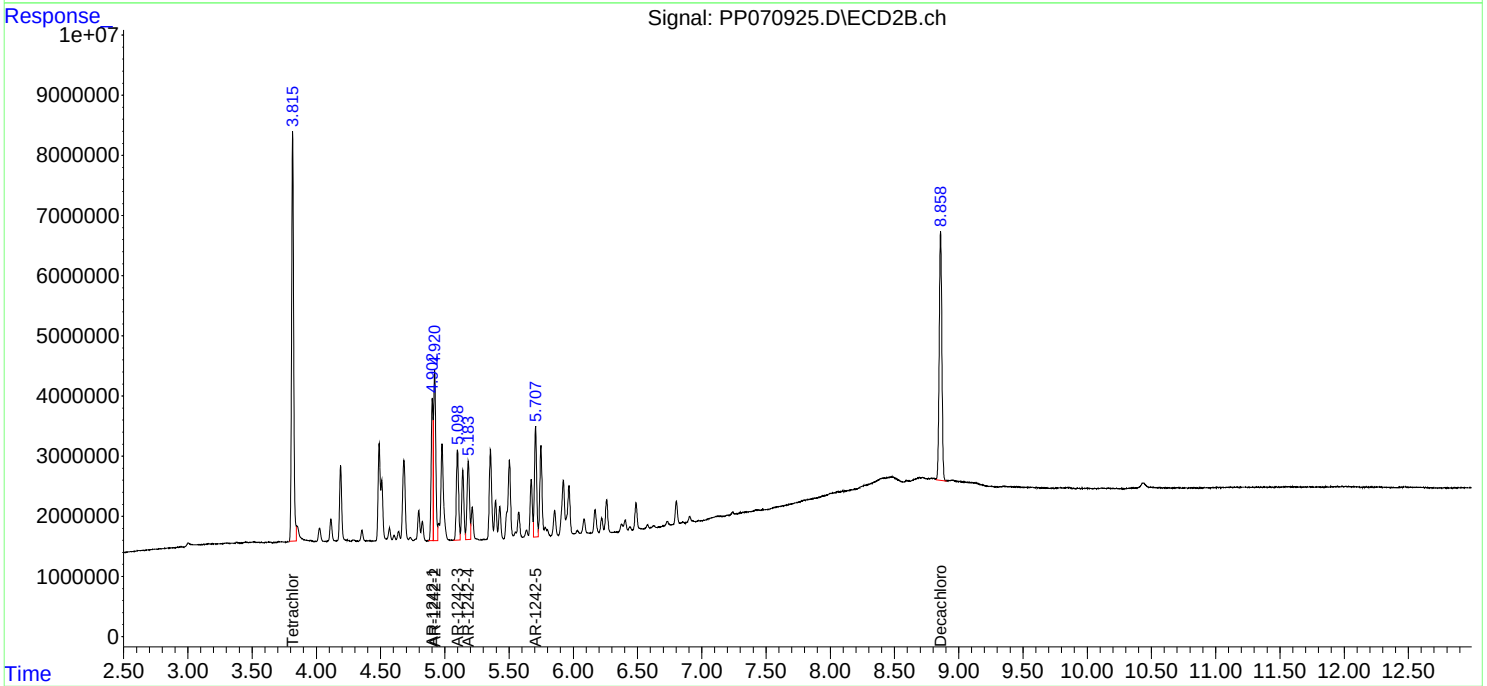
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:44
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

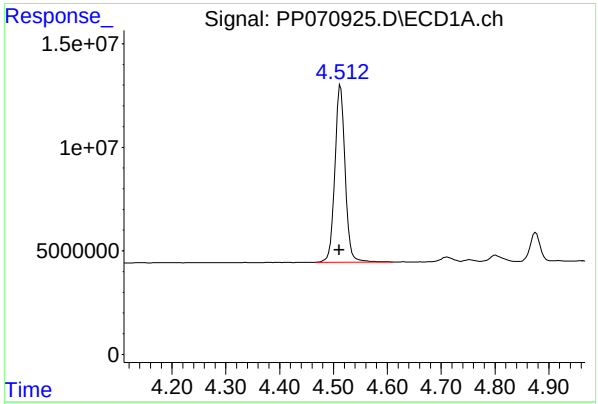
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



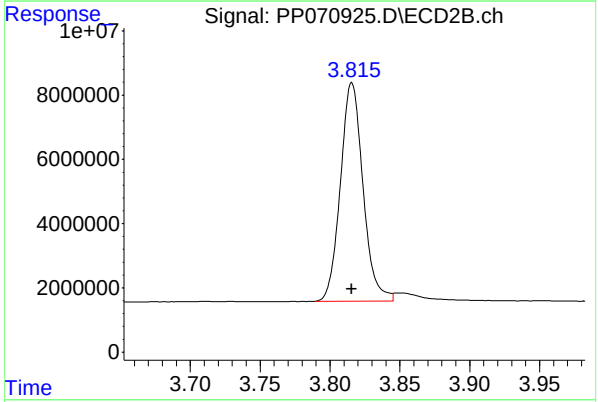




#1 Tetrachloro-m-xylene

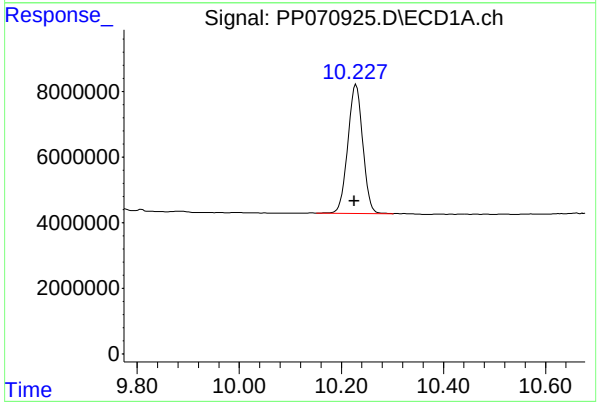
R.T.: 4.513 min
Delta R.T.: 0.002 min
Response: 113081073
Conc: 73.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



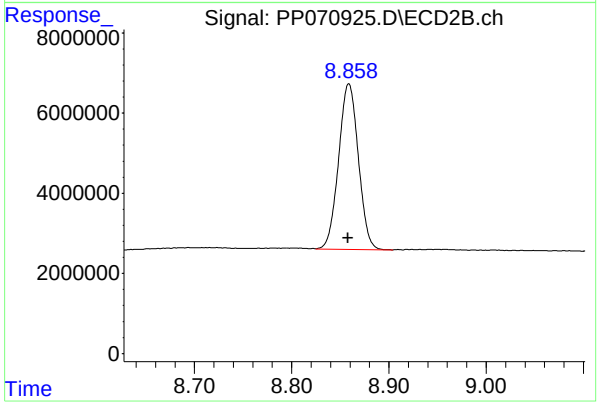
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 76564298
Conc: 68.37 ng/ml



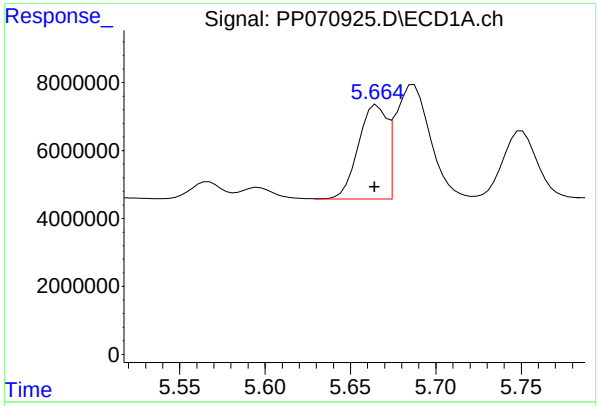
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 79761677
Conc: 72.10 ng/ml



#2 Decachlorobiphenyl

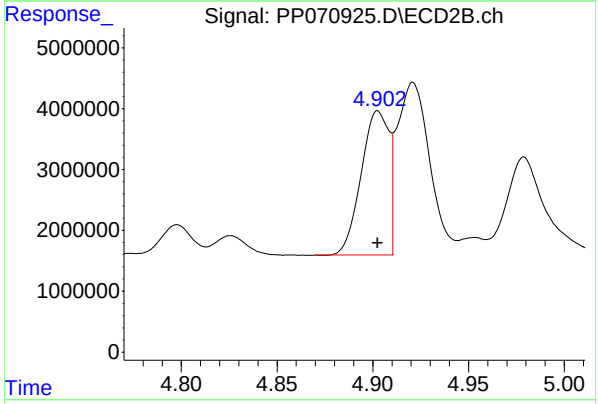
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 58459899
Conc: 75.38 ng/ml



#16 AR-1242-1

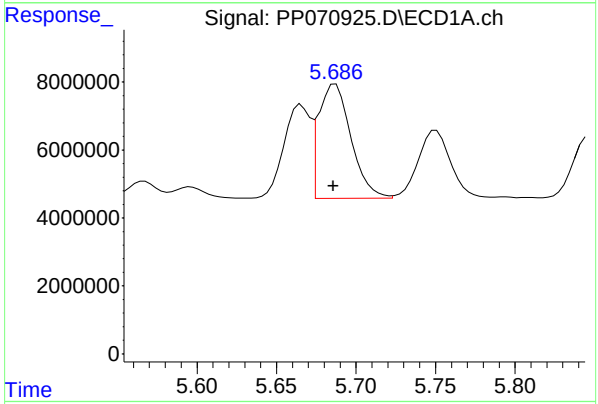
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 32059711
Conc: 738.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



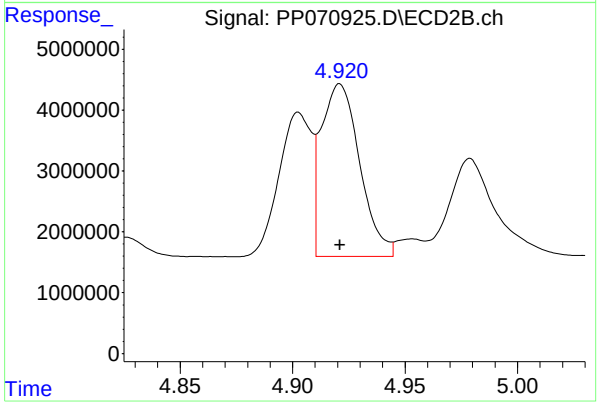
#16 AR-1242-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 23829543
Conc: 687.73 ng/ml



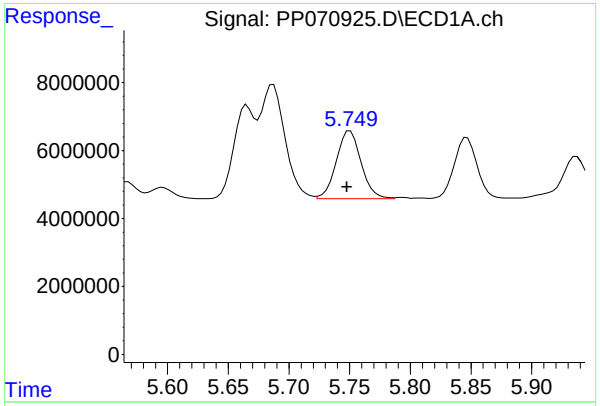
#17 AR-1242-2

R.T.: 5.687 min
Delta R.T.: 0.001 min
Response: 47897203
Conc: 714.62 ng/ml



#17 AR-1242-2

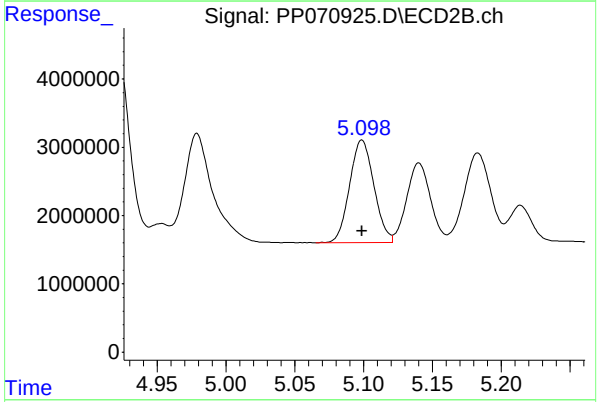
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 33806804
Conc: 683.87 ng/ml



#18 AR-1242-3

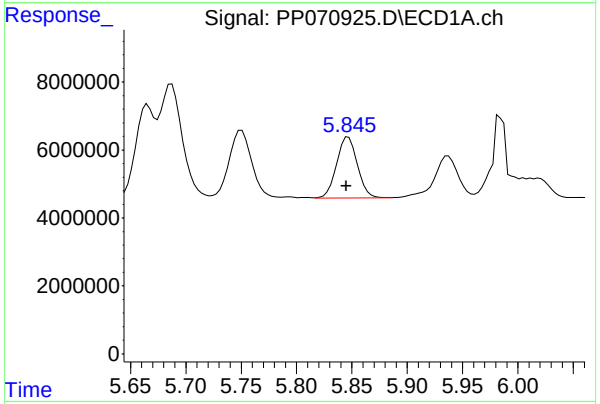
R.T.: 5.750 min
Delta R.T.: 0.003 min
Response: 28536378
Conc: 718.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



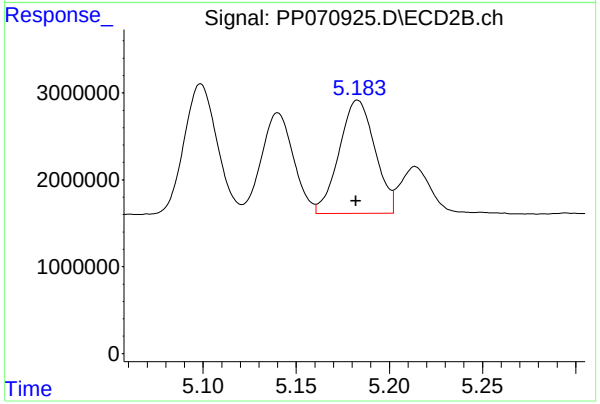
#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 18473047
Conc: 693.98 ng/ml



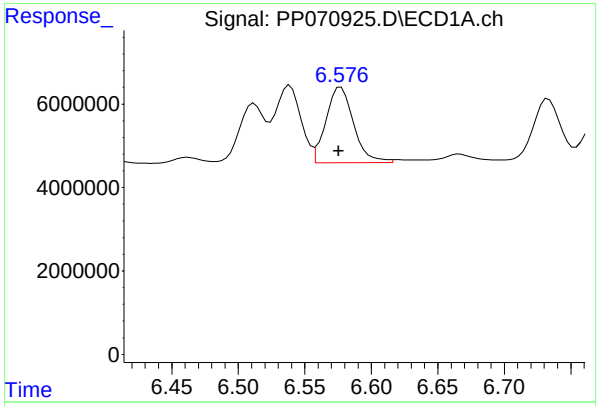
#19 AR-1242-4

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 23599640
Conc: 731.16 ng/ml



#19 AR-1242-4

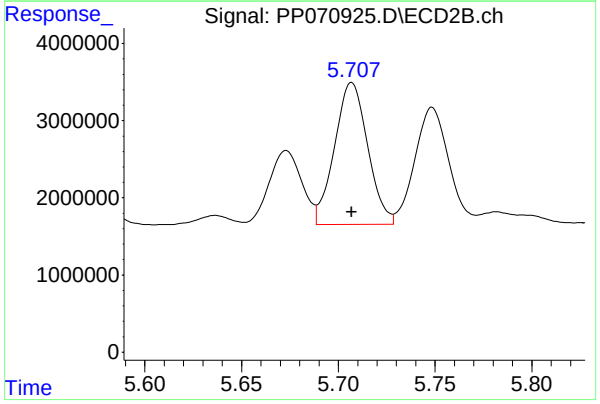
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 17369419
Conc: 678.98 ng/ml



#20 AR-1242-5

R.T.: 6.577 min
Delta R.T.: 0.002 min
Response: 26235924
Conc: 702.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 21926365
Conc: 694.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:00
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.511	3.815	76869856	55991243	50.000	50.000
2)	SA Decachlor...	10.225	8.858	55314656	38777230	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.664	4.902	21716335	17324704	500.000	500.000
17)	L4 AR-1242-2	5.686	4.921	33512438	24717400	500.000	500.000
18)	L4 AR-1242-3	5.748	5.099	19851486	13309479	500.000	500.000
19)	L4 AR-1242-4	5.845	5.182	16138543	12790769	500.000	500.000
20)	L4 AR-1242-5	6.576	5.707	18667188	15779369	500.000	500.000

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

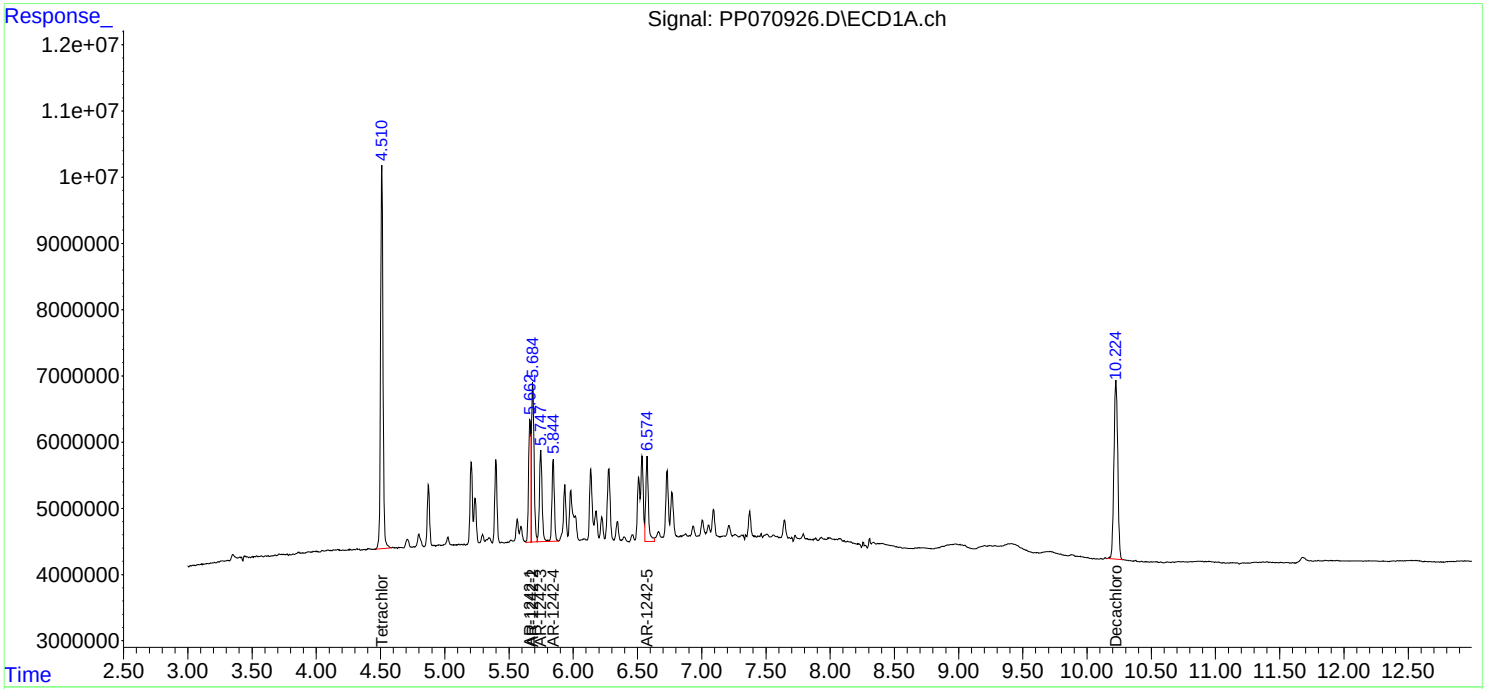
ICAL Form

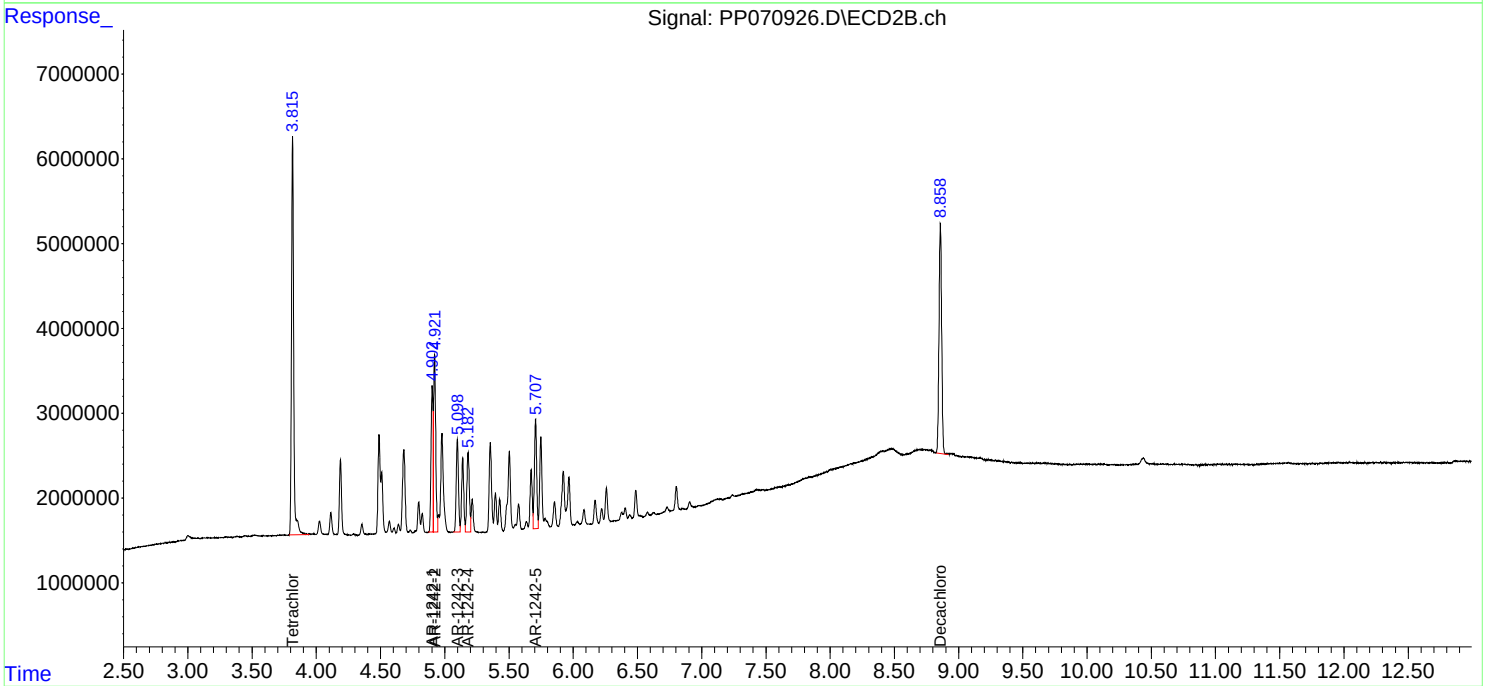
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:00
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

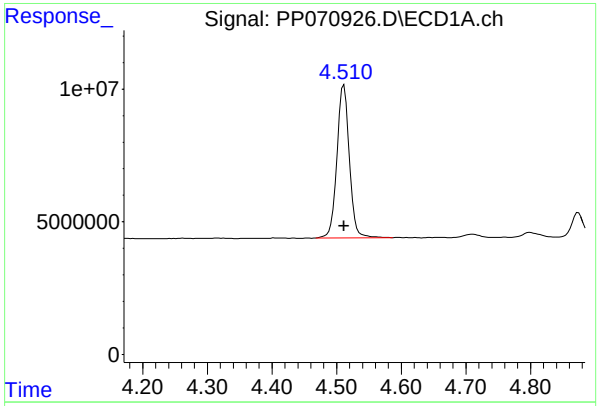
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



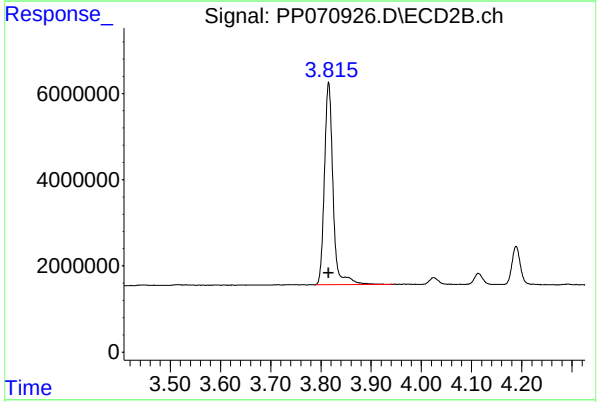




#1 Tetrachloro-m-xylene

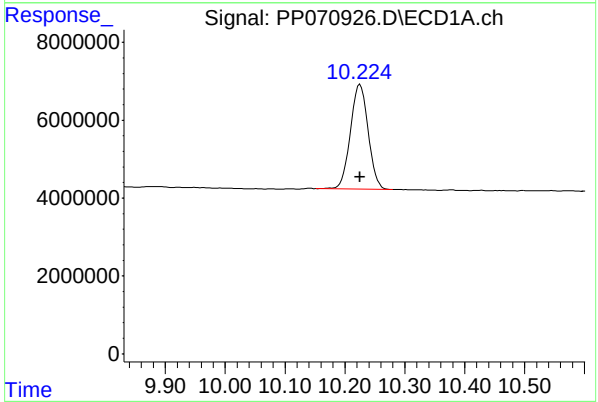
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 76869856
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



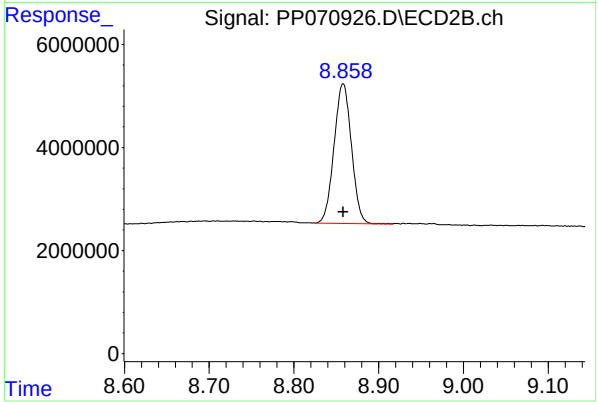
#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 55991243
Conc: 50.00 ng/ml



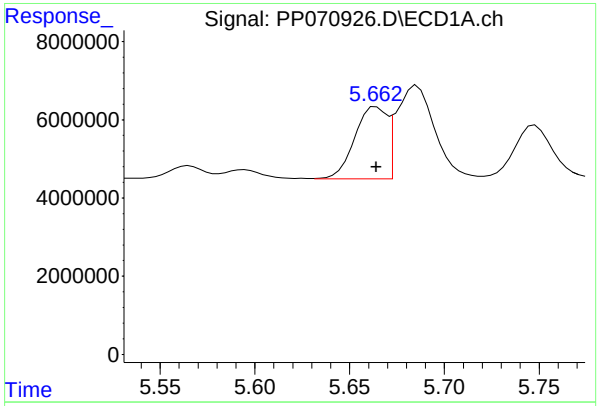
#2 Decachlorobiphenyl

R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 55314656
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

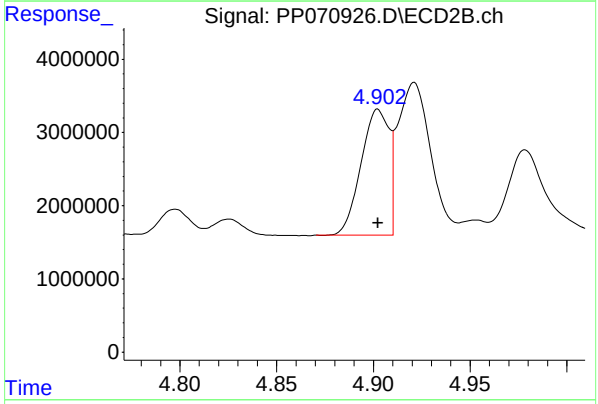
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 38777230
Conc: 50.00 ng/ml



#16 AR-1242-1

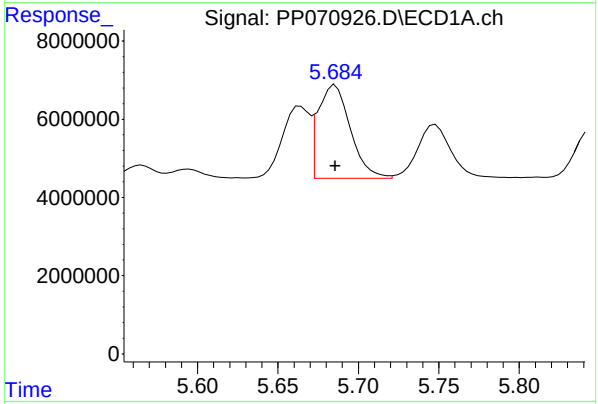
R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 21716335
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



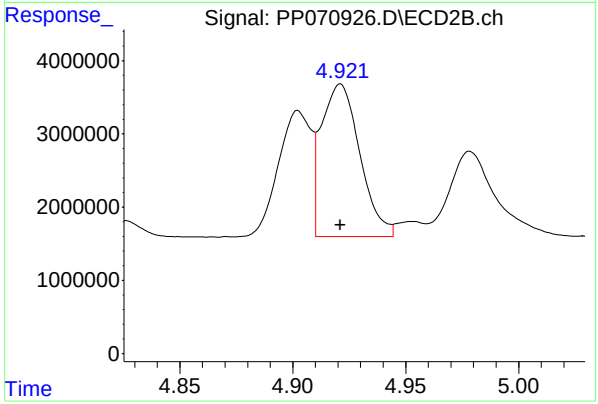
#16 AR-1242-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 17324704
Conc: 500.00 ng/ml



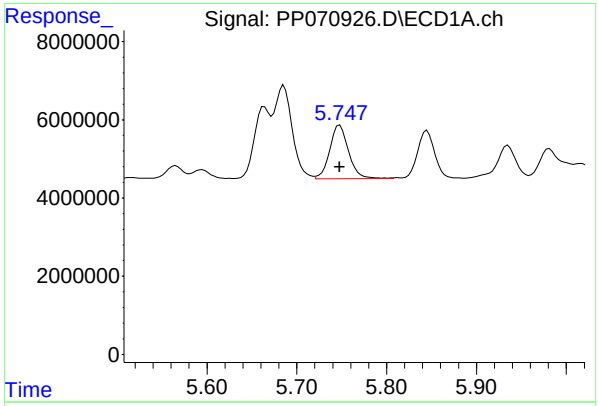
#17 AR-1242-2

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 33512438
Conc: 500.00 ng/ml



#17 AR-1242-2

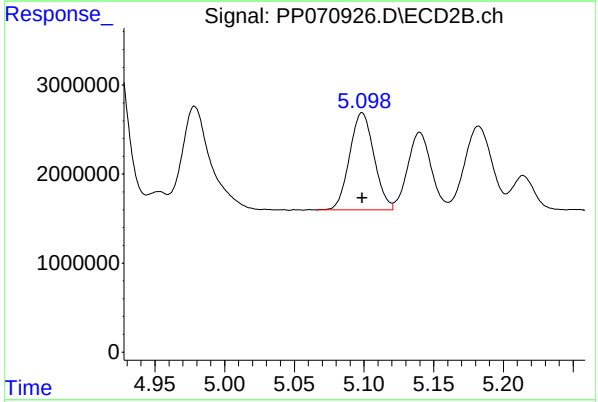
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 24717400
Conc: 500.00 ng/ml



#18 AR-1242-3

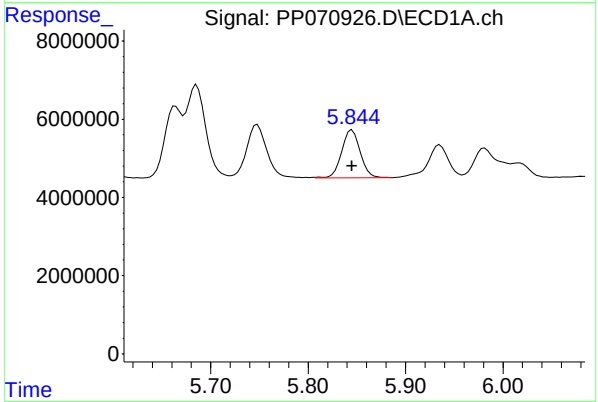
R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 19851486
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



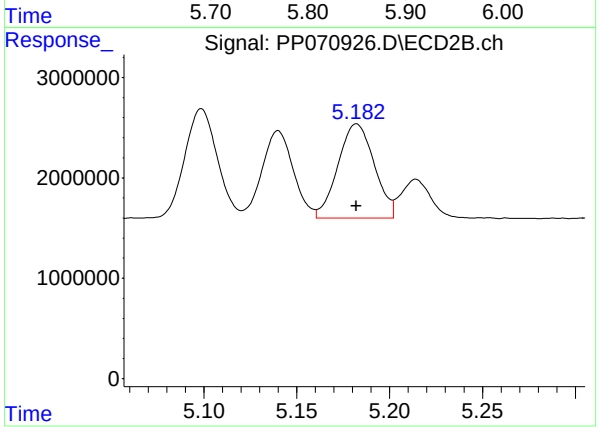
#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 13309479
Conc: 500.00 ng/ml



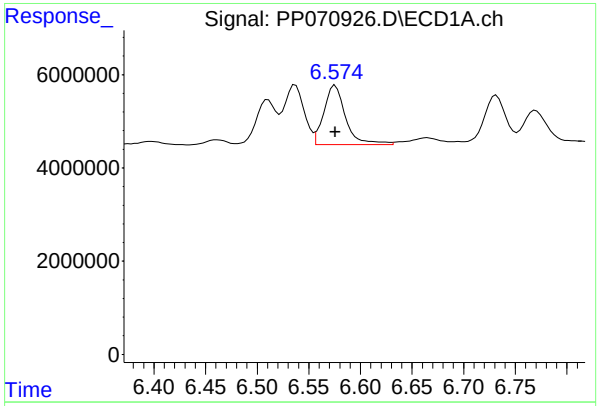
#19 AR-1242-4

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 16138543
Conc: 500.00 ng/ml



#19 AR-1242-4

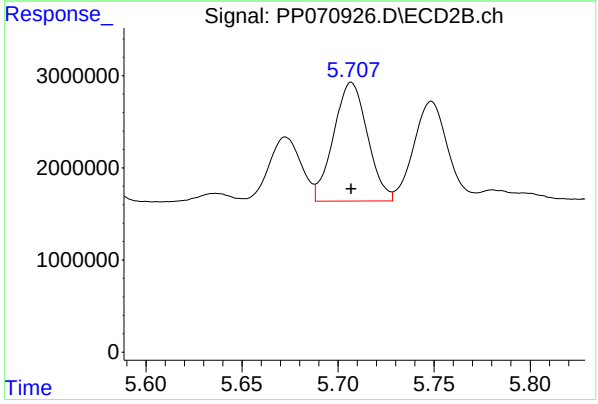
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 12790769
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 18667188
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 15779369
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:16
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: Mar 27 13:36:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	39179148	28013392	25.484	25.016
2)	SA Decachlor...	10.230	8.858	28836317	21287334	26.066	27.448
	Target Compounds						
16)	L4 AR-1242-1	5.666	4.903	10996159	9674680	253.177	279.216
17)	L4 AR-1242-2	5.688	4.922	17212597	13875945	256.809	280.692
18)	L4 AR-1242-3	5.750	5.099	10156885	7458368	255.822	280.190
19)	L4 AR-1242-4	5.847	5.183	8048661	7154684	249.361	279.682
20)	L4 AR-1242-5	6.578	5.708	9640099	8240601	258.210	261.119

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

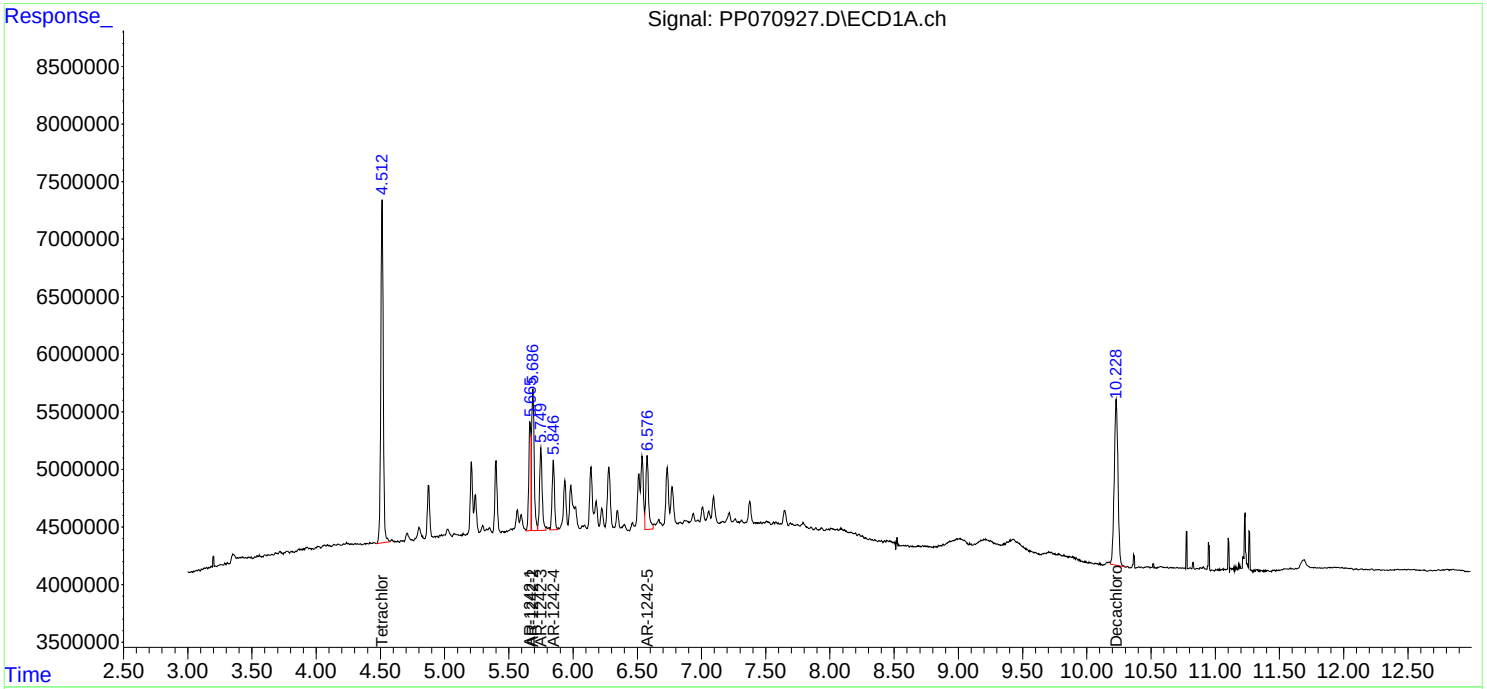
ICAL Form

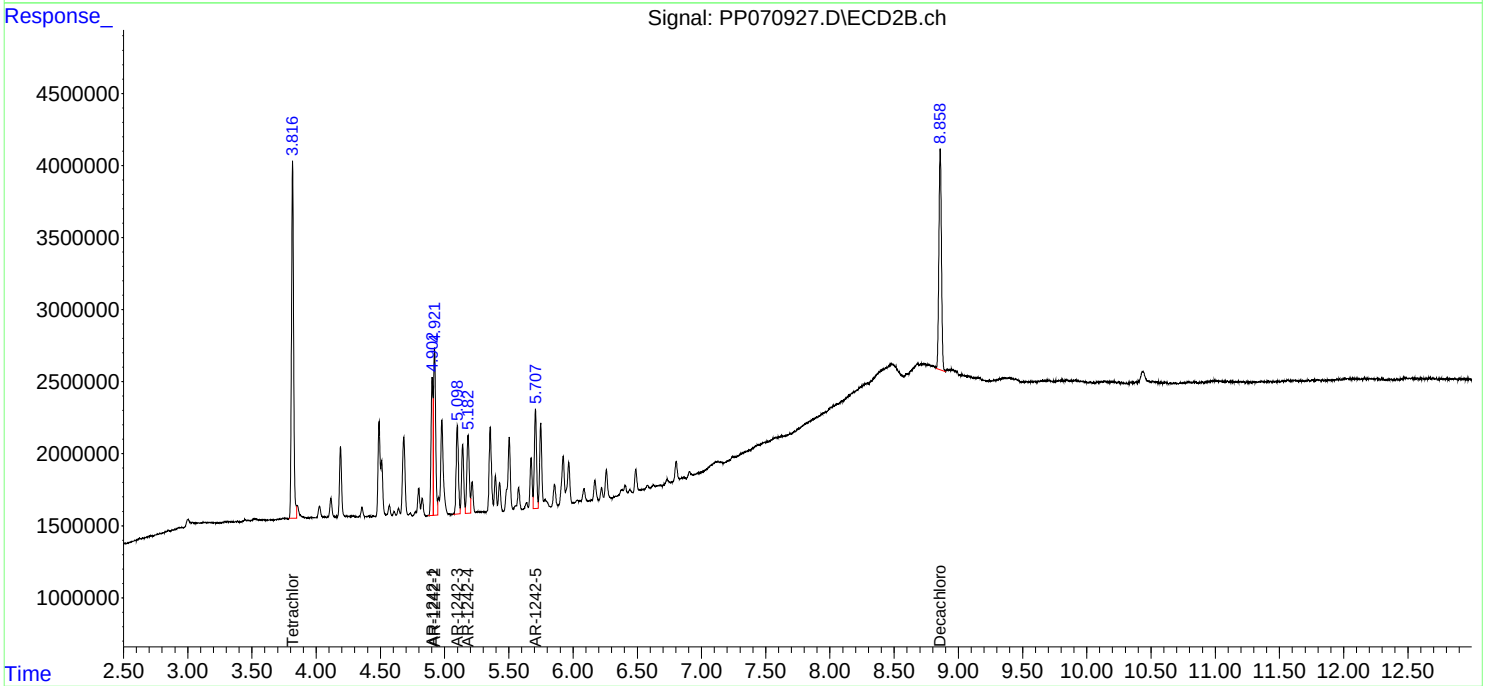
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:16
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

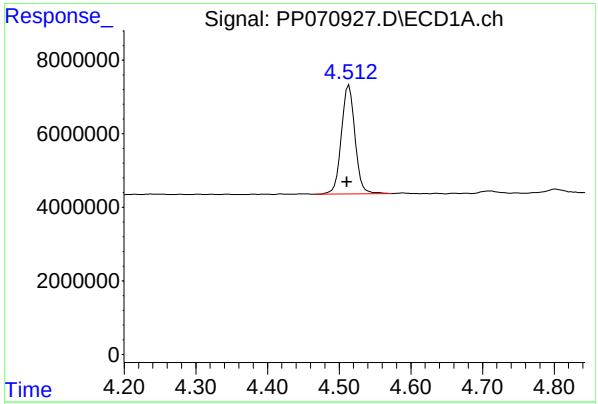
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:36:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



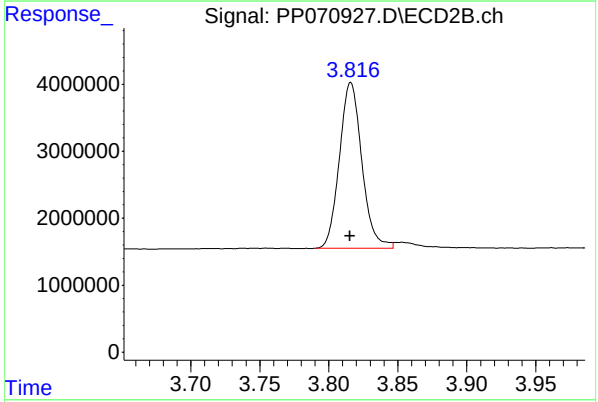




#1 Tetrachloro-m-xylene

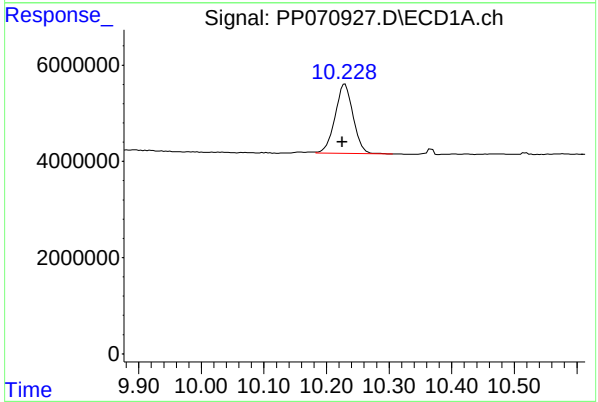
R.T.: 4.514 min
Delta R.T.: 0.003 min
Response: 39179148
Conc: 25.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



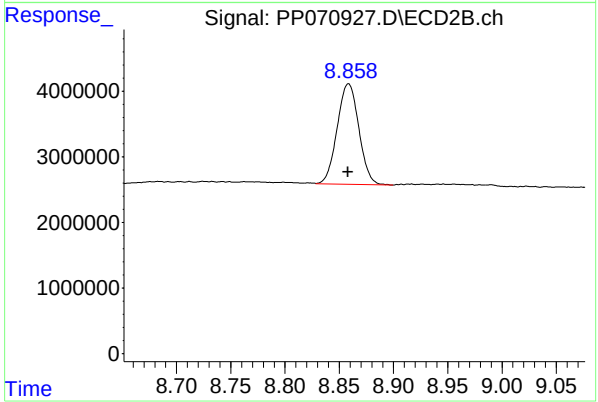
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 28013392
Conc: 25.02 ng/ml



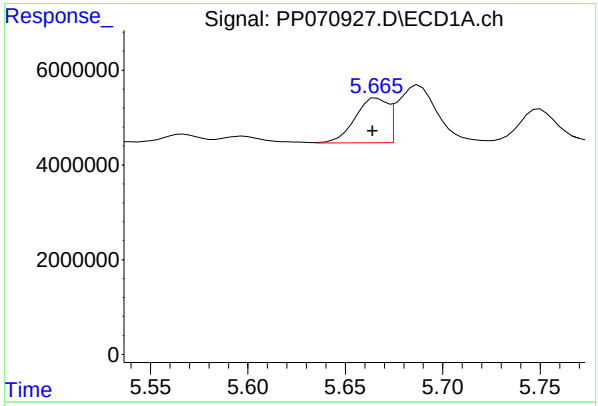
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.004 min
Response: 28836317
Conc: 26.07 ng/ml



#2 Decachlorobiphenyl

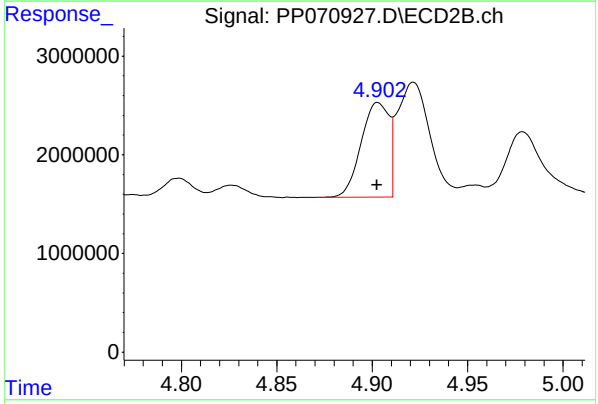
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 21287334
Conc: 27.45 ng/ml



#16 AR-1242-1

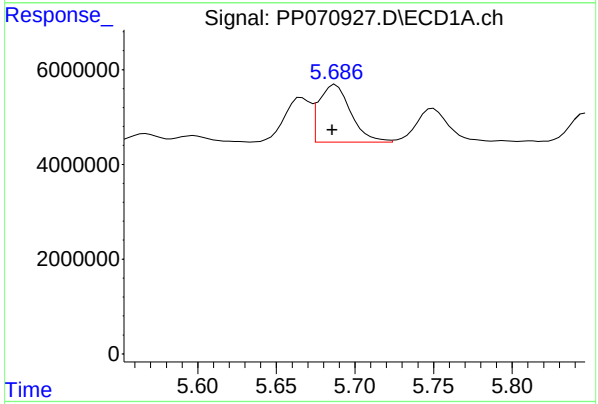
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 10996159
Conc: 253.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



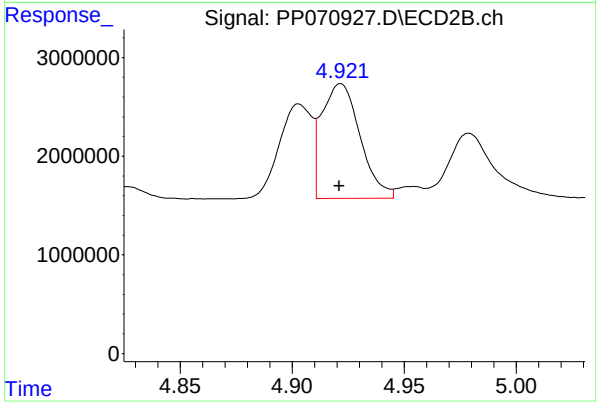
#16 AR-1242-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 9674680
Conc: 279.22 ng/ml



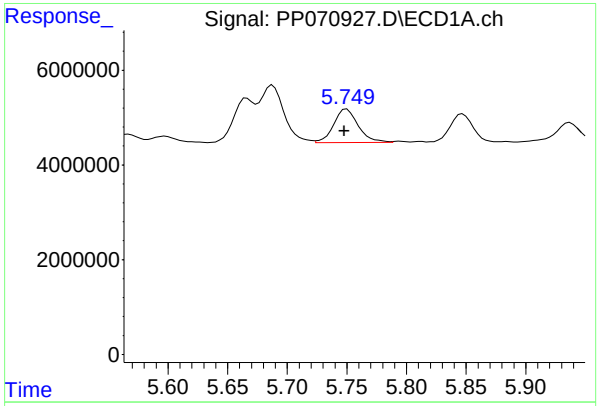
#17 AR-1242-2

R.T.: 5.688 min
Delta R.T.: 0.002 min
Response: 17212597
Conc: 256.81 ng/ml



#17 AR-1242-2

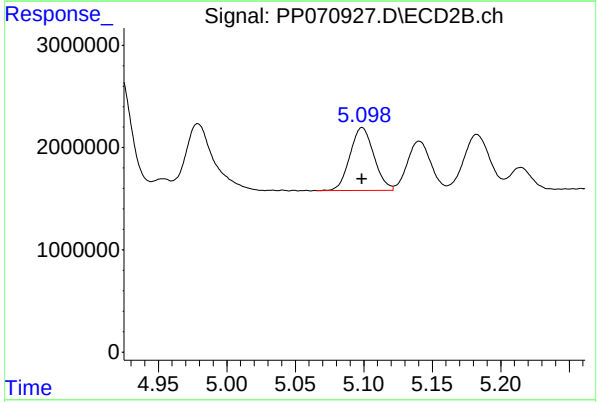
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 13875945
Conc: 280.69 ng/ml



#18 AR-1242-3

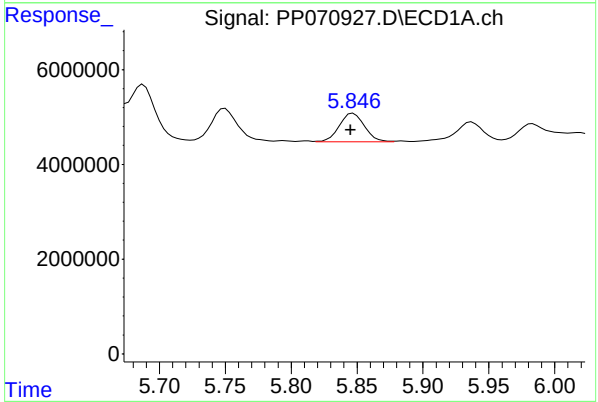
R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 10156885
Conc: 255.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



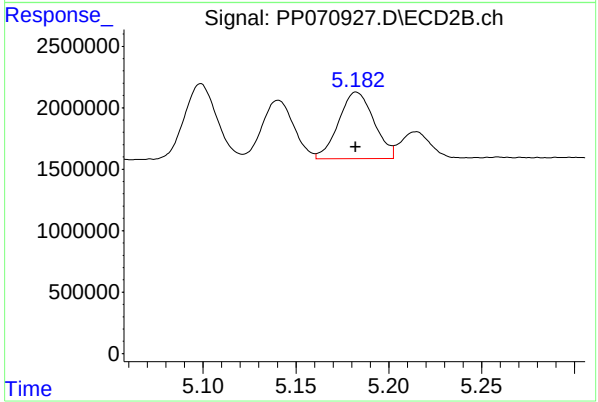
#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 7458368
Conc: 280.19 ng/ml



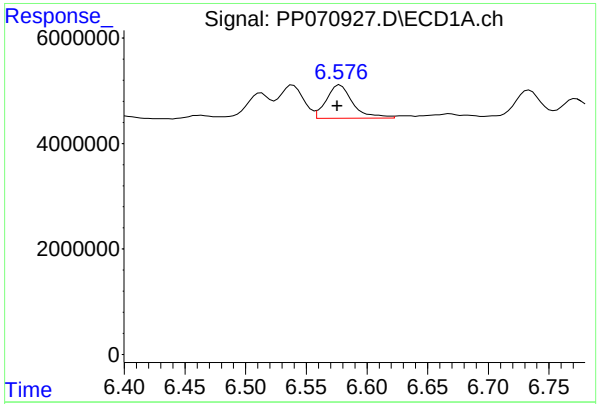
#19 AR-1242-4

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 8048661
Conc: 249.36 ng/ml



#19 AR-1242-4

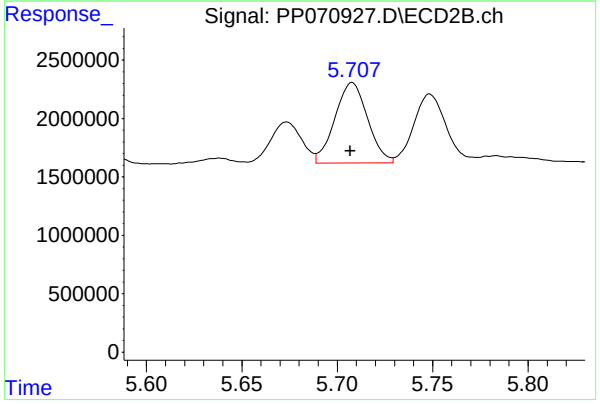
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 7154684
Conc: 279.68 ng/ml



#20 AR-1242-5

R.T.: 6.578 min
Delta R.T.: 0.002 mi
Response: 9640099
Conc: 258.21 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 8240601
Conc: 261.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:33
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.512	3.815	6633492	5532966	4.273	4.939
2)	SA Decachlor...	10.226	8.857	5282830	3387334	4.676	4.164
	Target Compounds						
16)	L4 AR-1242-1	5.663	4.902	2436604	1773341	55.746m	48.354
17)	L4 AR-1242-2	5.686	4.921	2856942	2619762	42.052m	49.929m
18)	L4 AR-1242-3	5.748	5.098	2373419	1401755	59.091m	49.661
19)	L4 AR-1242-4	5.843	5.181	1293211	1572257	40.117m	58.017m#
20)	L4 AR-1242-5	6.574	5.705	1783487	1619372	46.999m	50.197m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:33
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

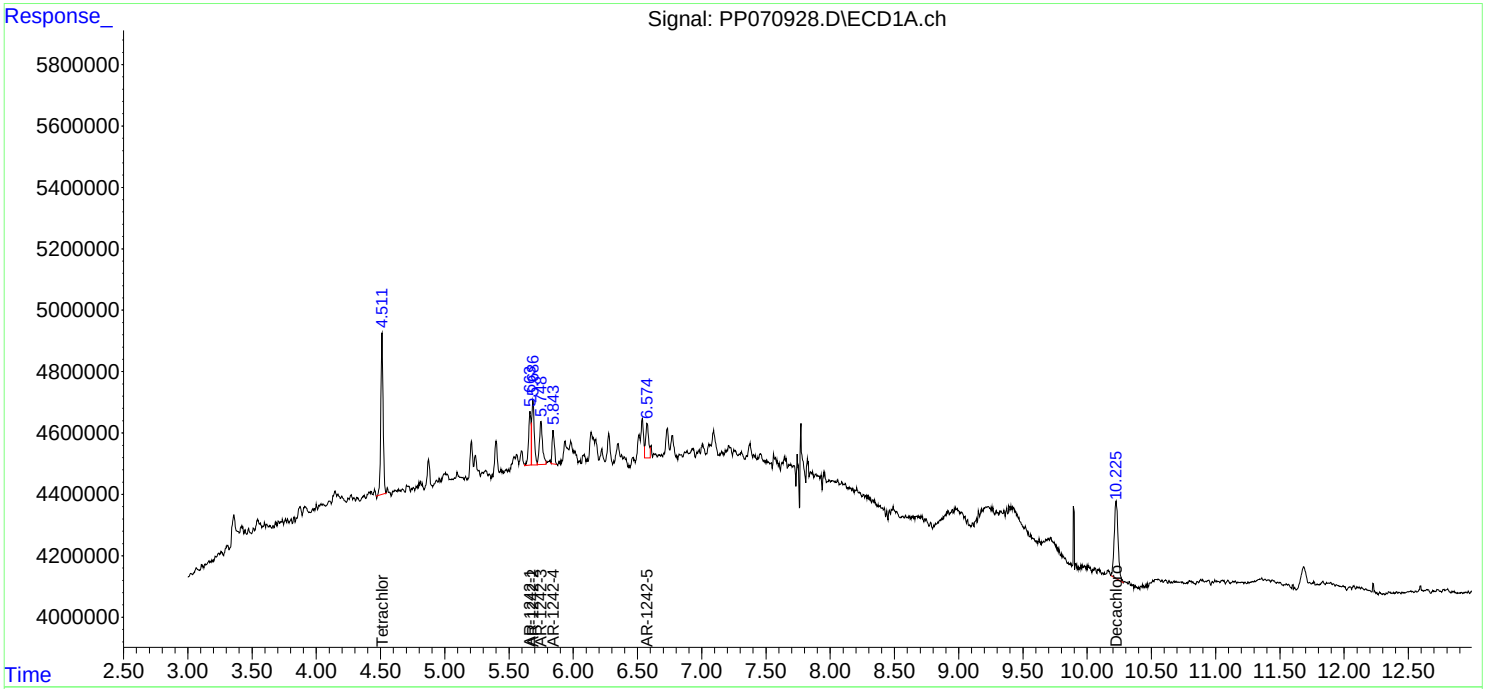
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

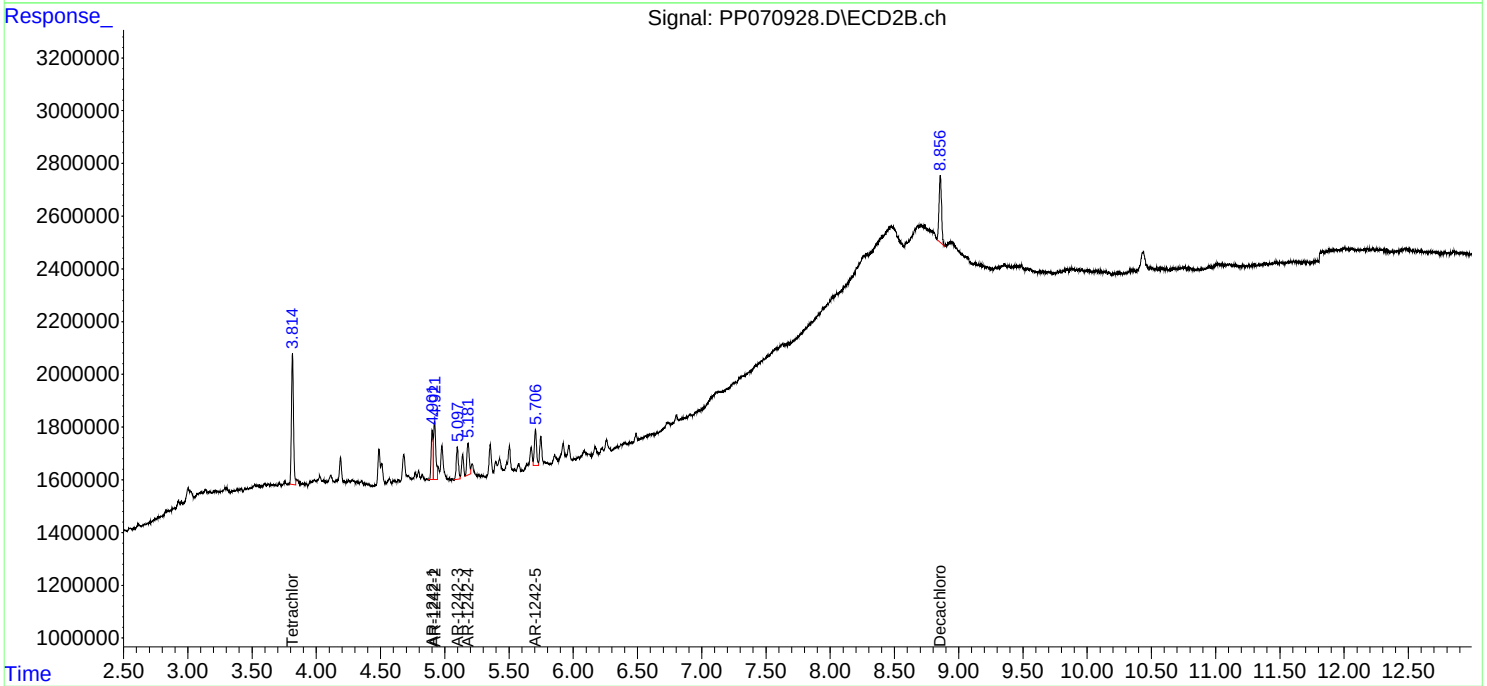
Manual Integrations APPROVED

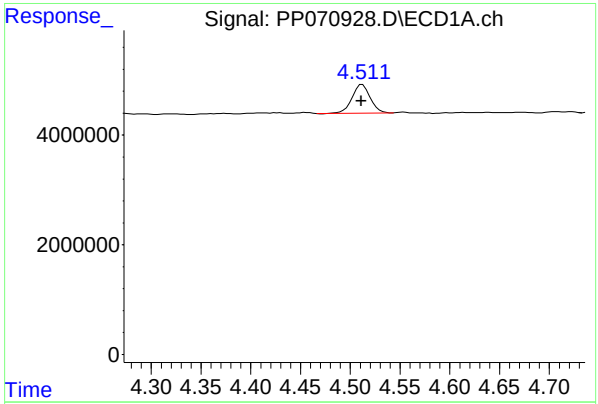
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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







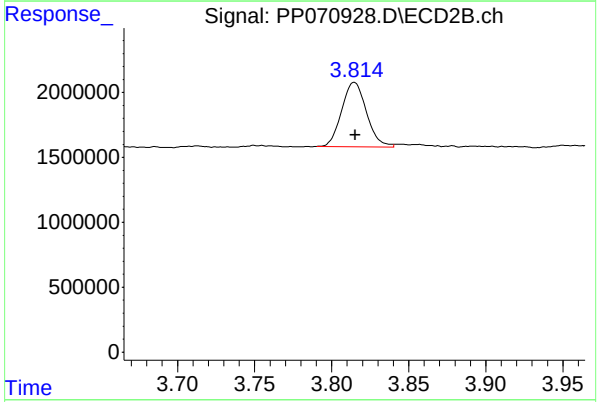
#1 Tetrachloro-m-xylene

R.T.: 4.512 min
Delta R.T.: 0.001 min
Response: 6633492
Conc: 4.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

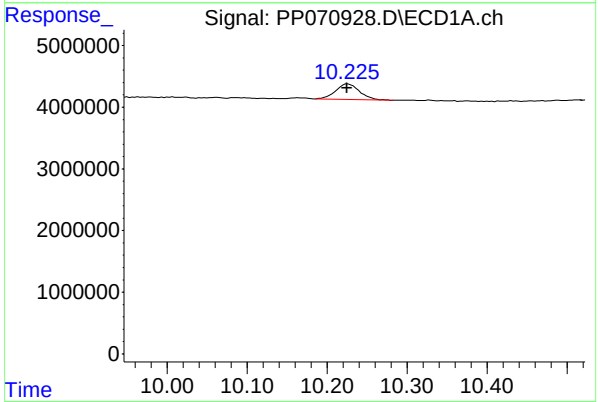
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



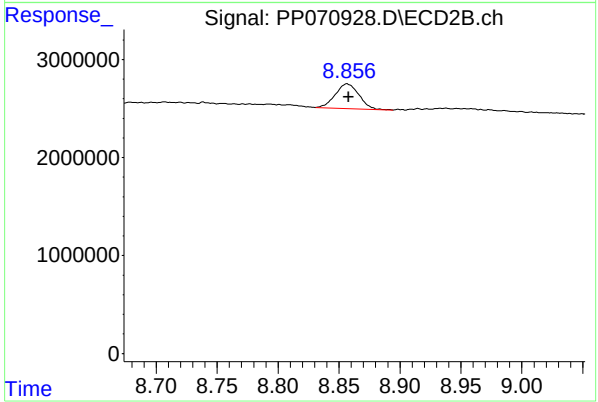
#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 5532966
Conc: 4.94 ng/ml



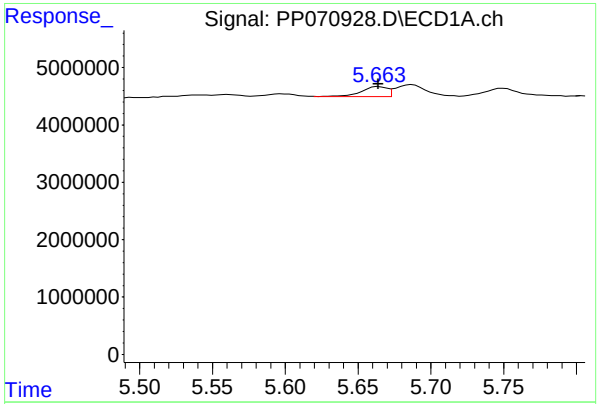
#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 5282830
Conc: 4.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.857 min
Delta R.T.: -0.001 min
Response: 3387334
Conc: 4.16 ng/ml



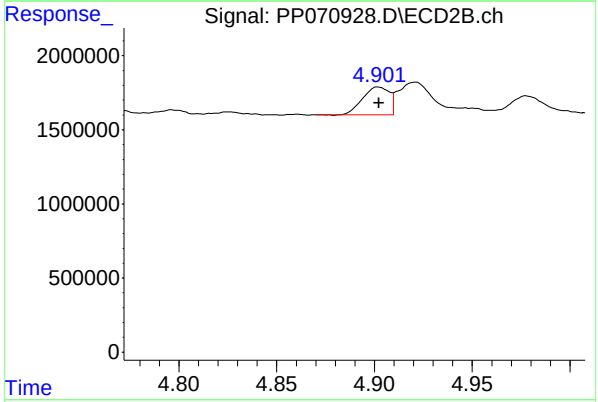
#16 AR-1242-1

R.T.: 5.663 min
Delta R.T.: -0.002 mi
Response: 2436604
Conc: 55.75 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

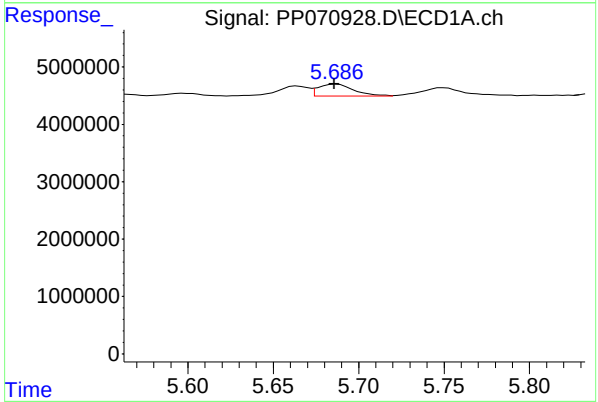
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



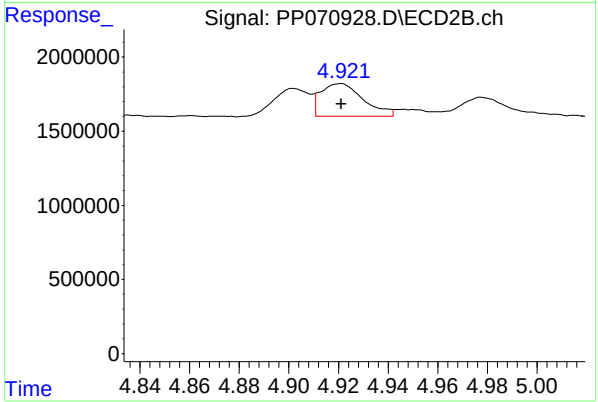
#16 AR-1242-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 1773341
Conc: 48.35 ng/ml



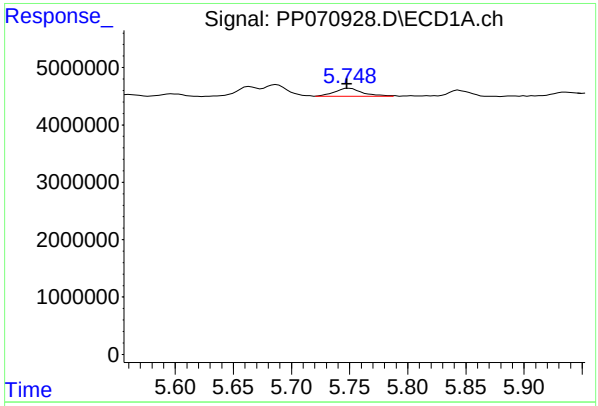
#17 AR-1242-2

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 2856942
Conc: 42.05 ng/ml m



#17 AR-1242-2

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 2619762
Conc: 49.93 ng/ml m



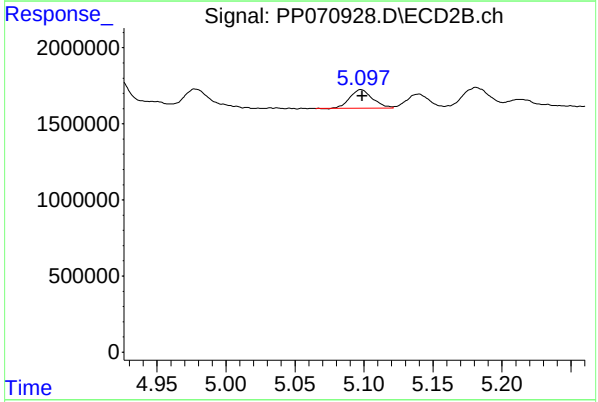
#18 AR-1242-3

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 2373419
Conc: 59.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

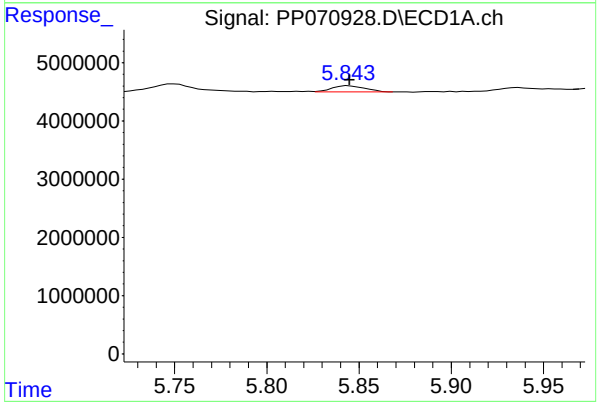
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



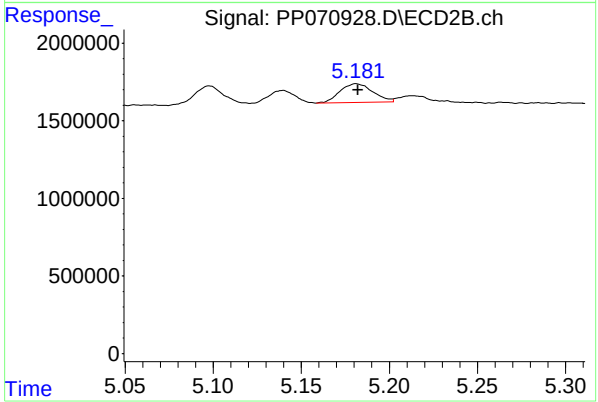
#18 AR-1242-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 1401755
Conc: 49.66 ng/ml



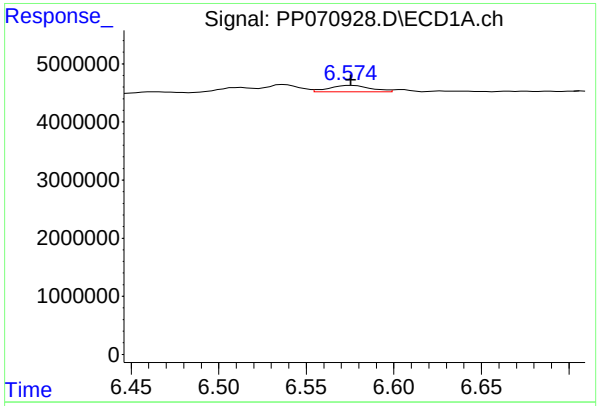
#19 AR-1242-4

R.T.: 5.843 min
Delta R.T.: -0.002 min
Response: 1293211
Conc: 40.12 ng/ml m



#19 AR-1242-4

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1572257
Conc: 58.02 ng/ml m



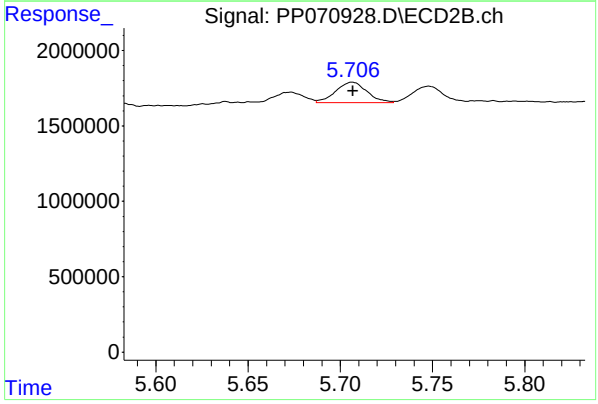
#20 AR-1242-5

R.T.: 6.574 min
Delta R.T.: -0.002 mi
Response: 1783487
Conc: 47.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#20 AR-1242-5

R.T.: 5.705 min
Delta R.T.: -0.001 min
Response: 1619372
Conc: 50.20 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:49
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: Mar 27 14:45:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	146.2E6	96952216	94.393	85.183
2)	SA Decachlor...	10.229	8.859	107.2E6	76343240	88.954	92.303
	Target Compounds						
21)	L5 AR-1248-1	5.666	4.903	31141042	23297586	921.836	817.423
22)	L5 AR-1248-2	5.938	5.141	42399779	31071420	917.898	811.806
23)	L5 AR-1248-3	6.140	5.183	48055172	32592570	927.258	815.546
24)	L5 AR-1248-4	6.539	5.355	59878410	38114246	893.176	807.817
25)	L5 AR-1248-5	6.579	5.749	56652876	37031094	881.261	843.047

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

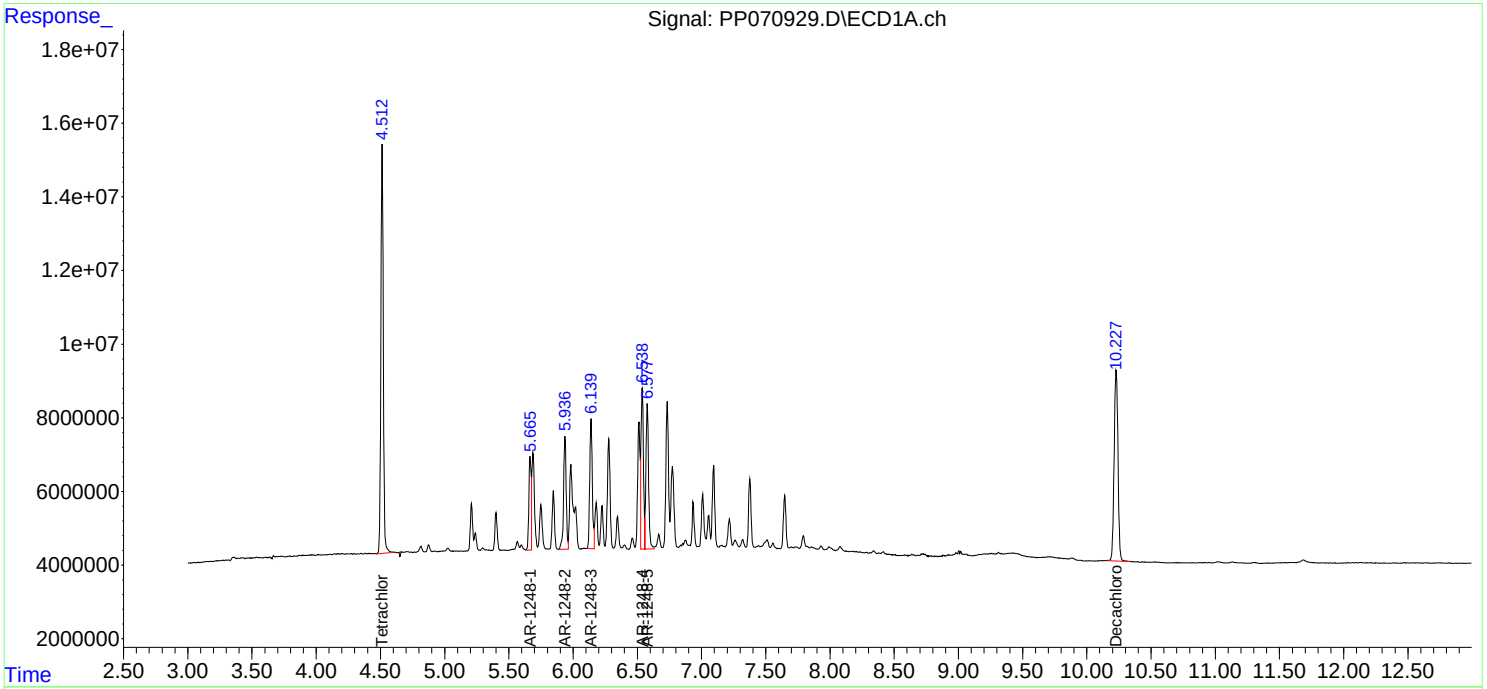
ICAL Form

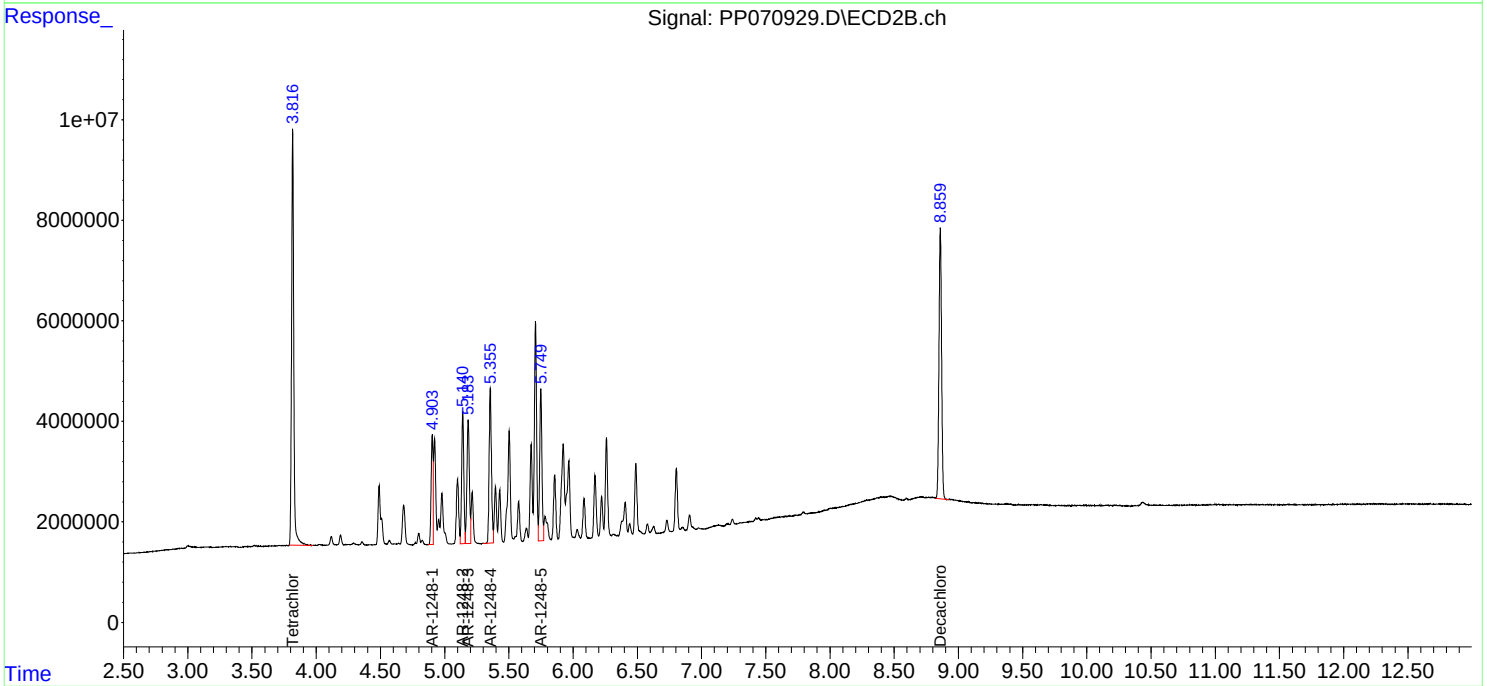
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:49
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

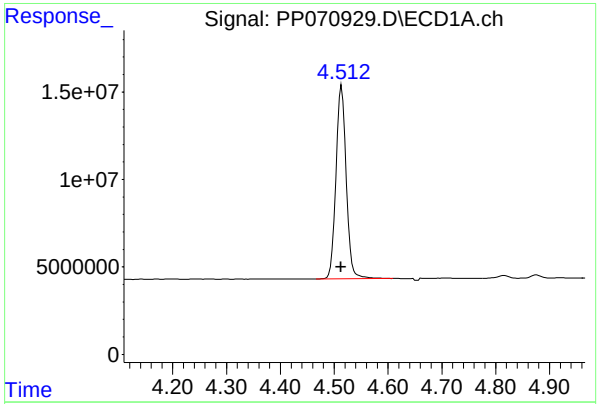
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:45:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



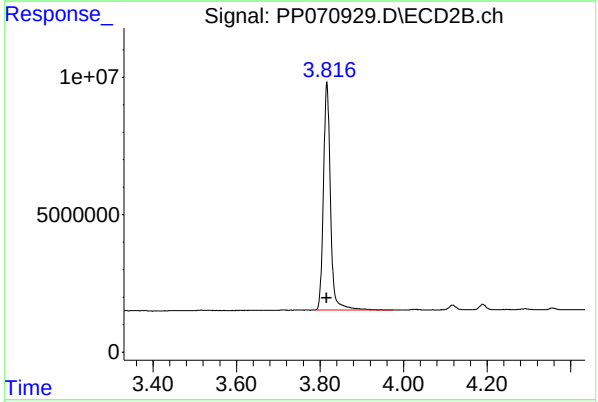




#1 Tetrachloro-m-xylene

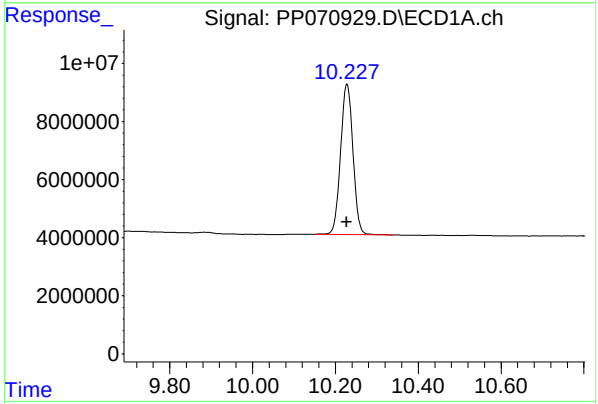
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 146218105
Conc: 94.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



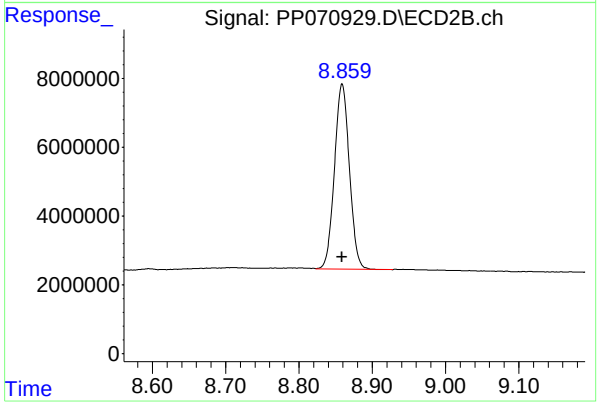
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 96952216
Conc: 85.18 ng/ml



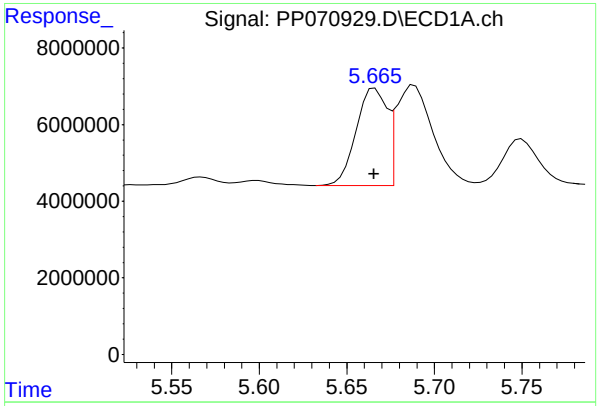
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.002 min
Response: 107201730
Conc: 88.95 ng/ml



#2 Decachlorobiphenyl

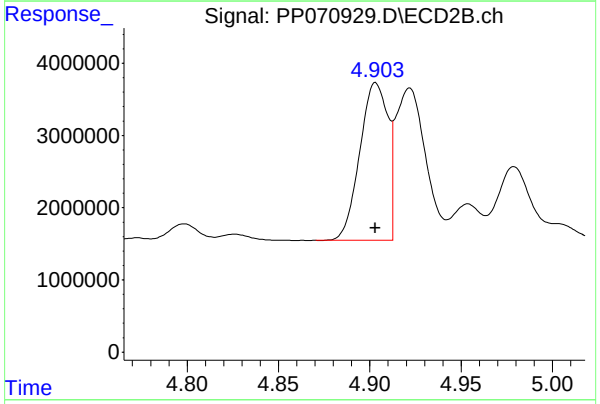
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 76343240
Conc: 92.30 ng/ml



#21 AR-1248-1

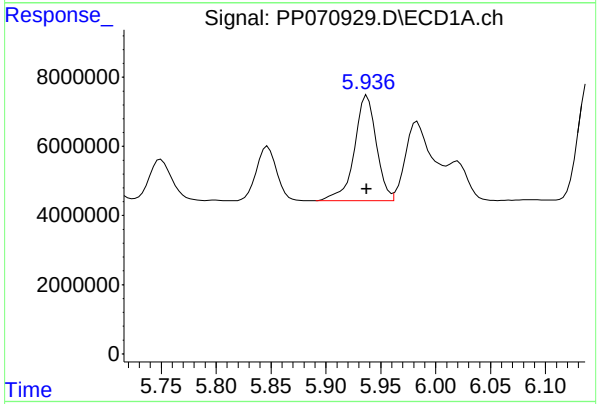
R.T.: 5.666 min
Delta R.T.: 0.000 mi
Response: 31141042
Conc: 921.84 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



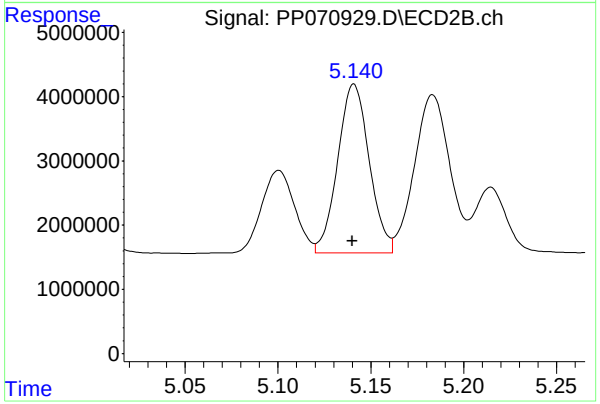
#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 23297586
Conc: 817.42 ng/ml



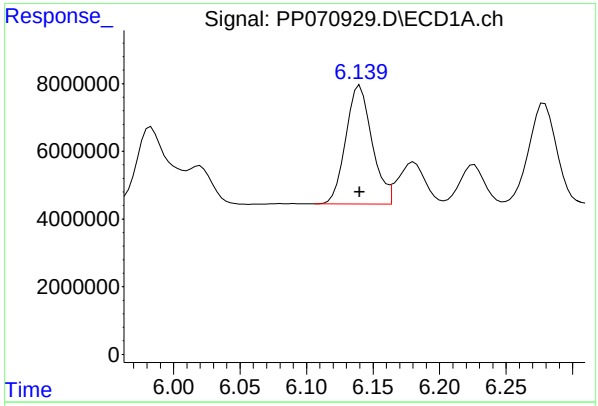
#22 AR-1248-2

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 42399779
Conc: 917.90 ng/ml



#22 AR-1248-2

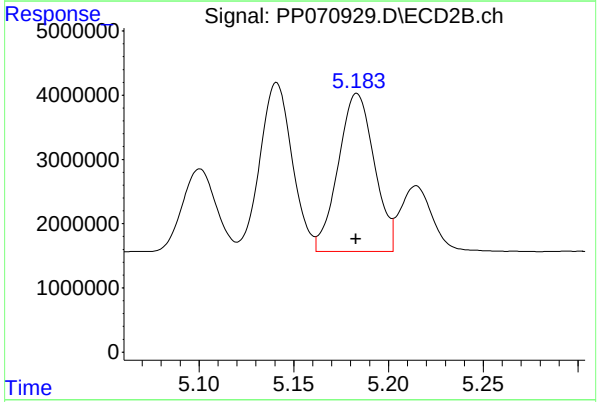
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 31071420
Conc: 811.81 ng/ml



#23 AR-1248-3

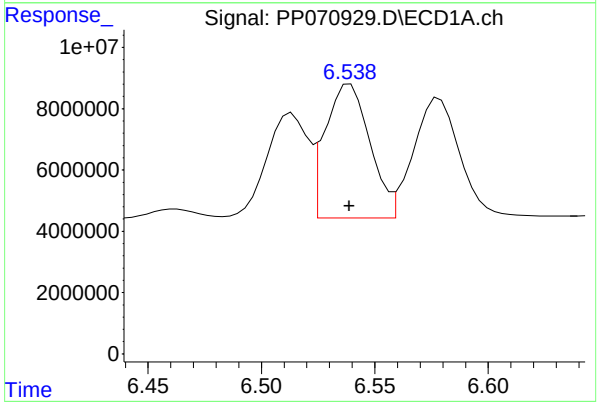
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 48055172
Conc: 927.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



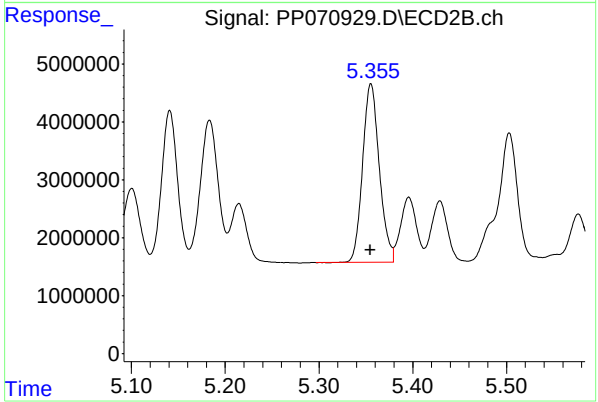
#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 32592570
Conc: 815.55 ng/ml



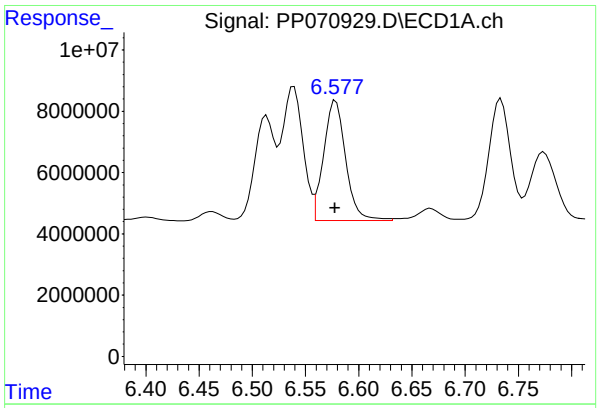
#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 59878410
Conc: 893.18 ng/ml



#24 AR-1248-4

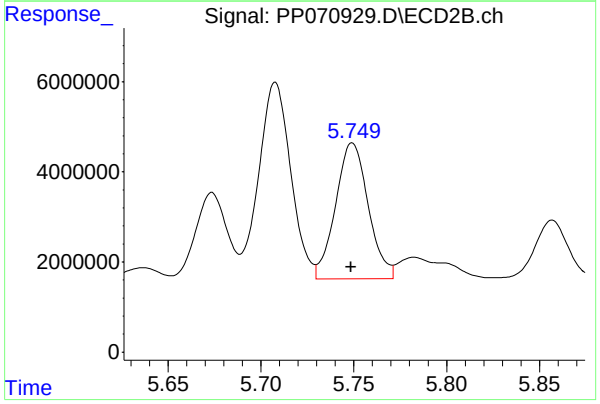
R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 38114246
Conc: 807.82 ng/ml



#25 AR-1248-5

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 56652876
Conc: 881.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 37031094
Conc: 843.05 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:05
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: Mar 27 14:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	115.8E6	78436191	74.760	68.915
2)	SA Decachlor...	10.229	8.860	84334663	61664461	69.979	74.555
	Target Compounds						
21)	L5 AR-1248-1	5.666	4.903	25034469	20052758	741.070	703.575
22)	L5 AR-1248-2	5.938	5.141	33734311	26938678	730.302	703.829
23)	L5 AR-1248-3	6.140	5.183	38083098	28275820	734.840	707.530
24)	L5 AR-1248-4	6.539	5.356	47603456	32558799	710.077	690.072
25)	L5 AR-1248-5	6.578	5.749	45378306	30836259	705.880	702.016

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

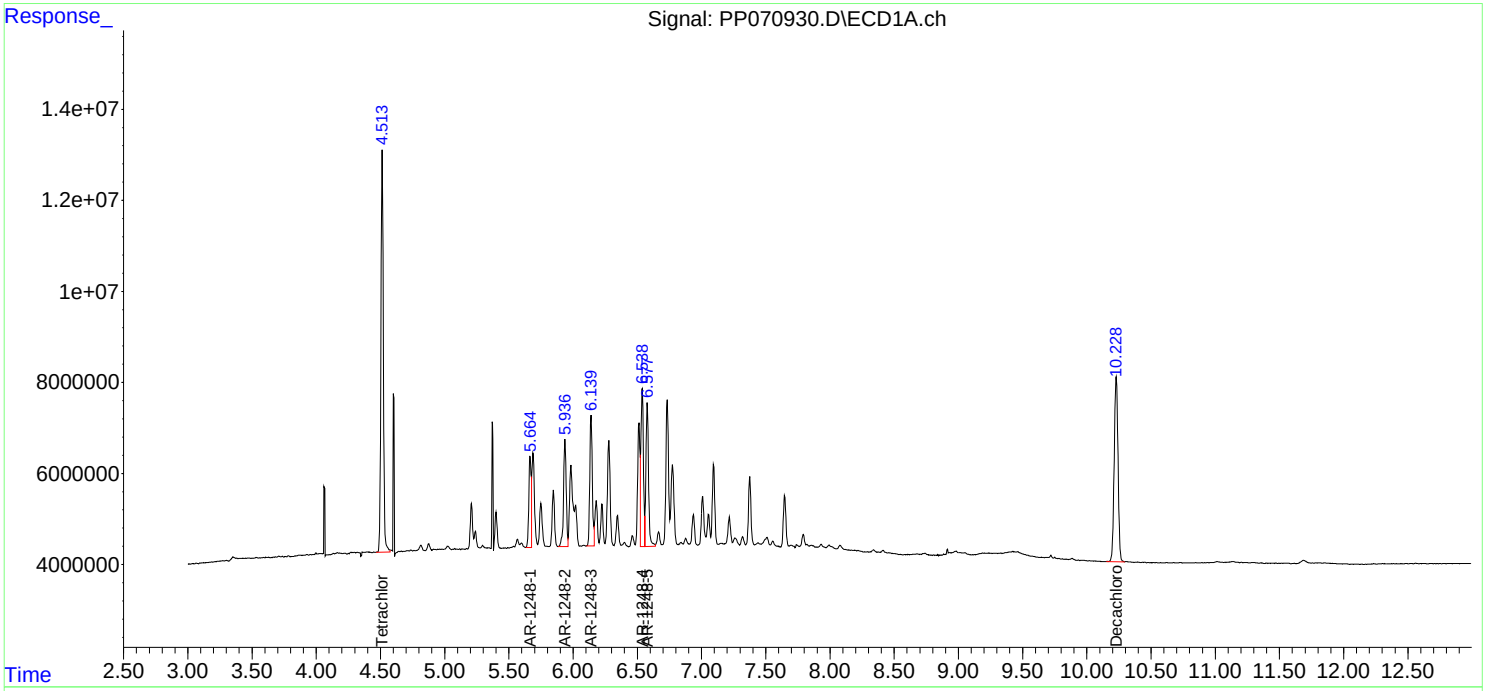
ICAL Form

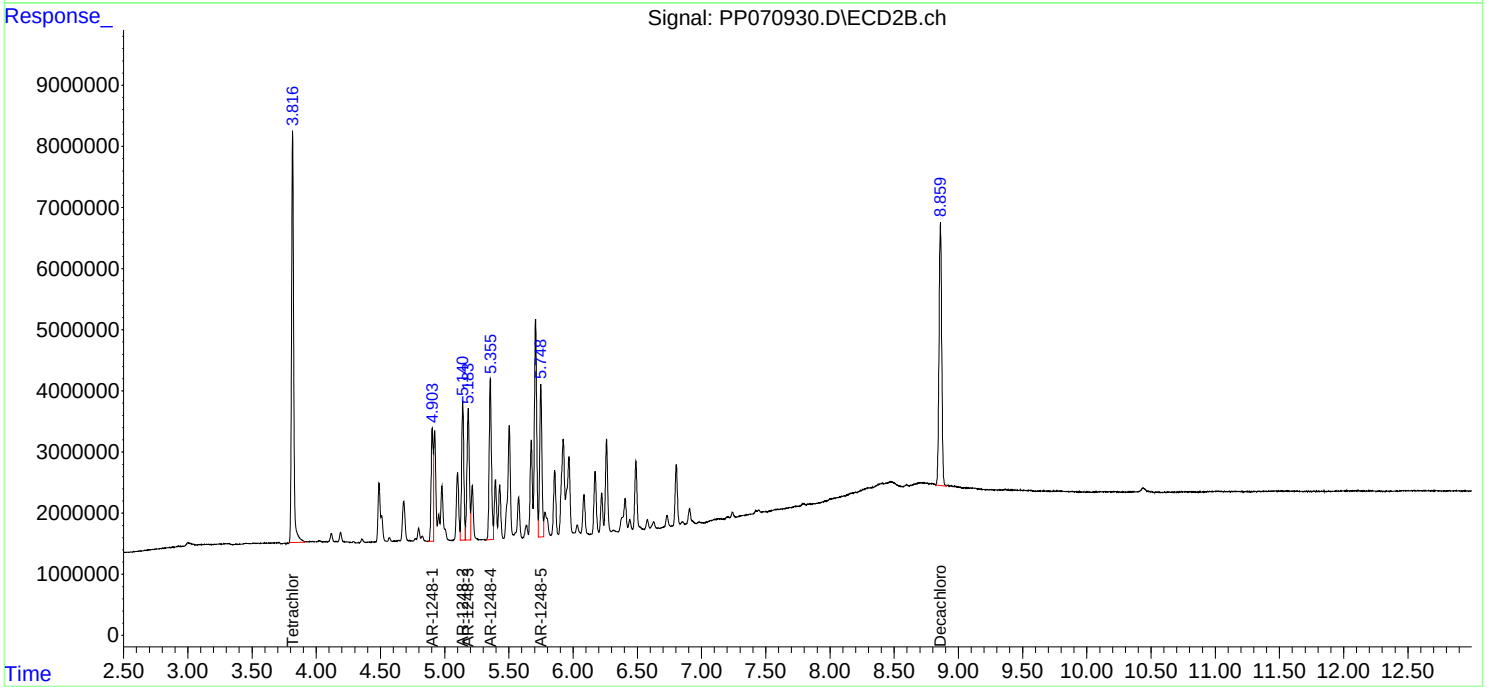
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:05
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

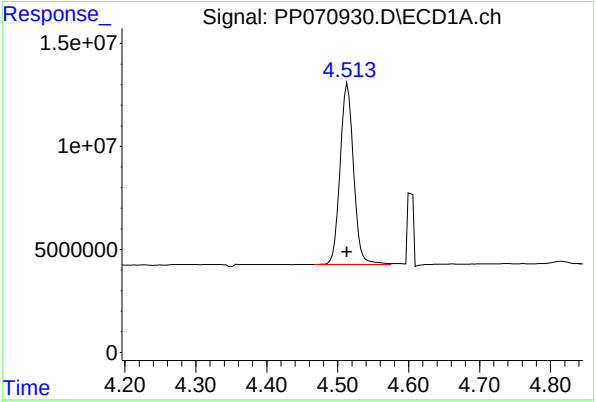
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



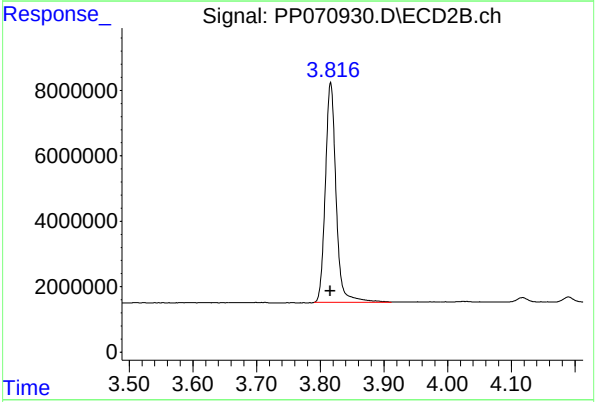




#1 Tetrachloro-m-xylene

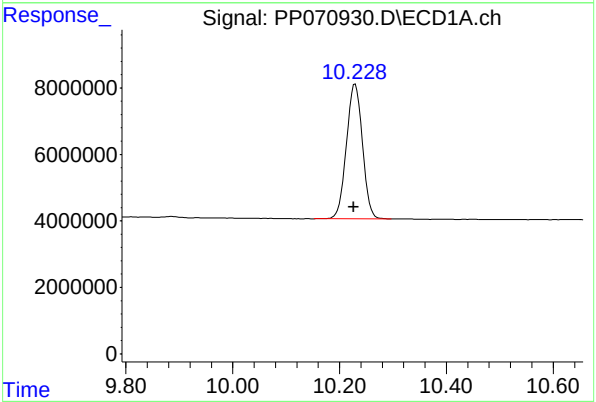
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 115806846
Conc: 74.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



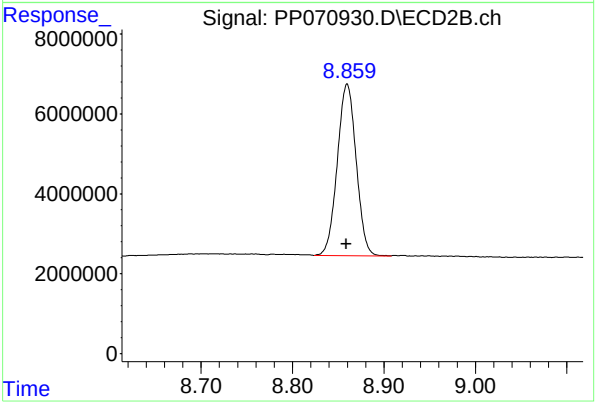
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 78436191
Conc: 68.91 ng/ml



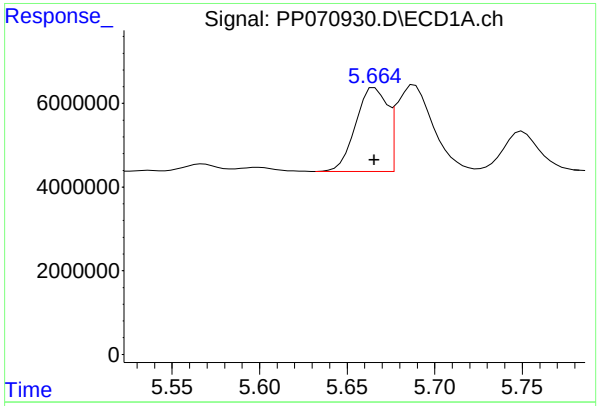
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 84334663
Conc: 69.98 ng/ml



#2 Decachlorobiphenyl

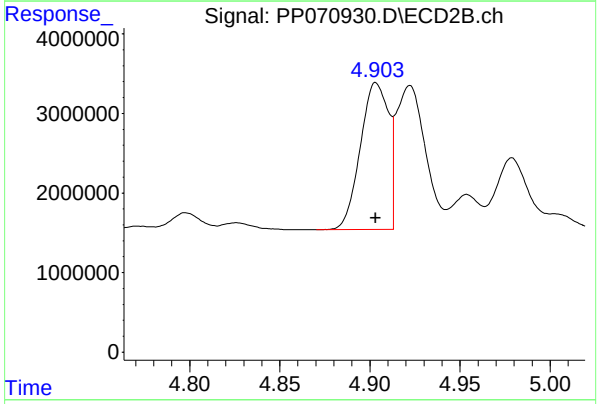
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 61664461
Conc: 74.56 ng/ml



#21 AR-1248-1

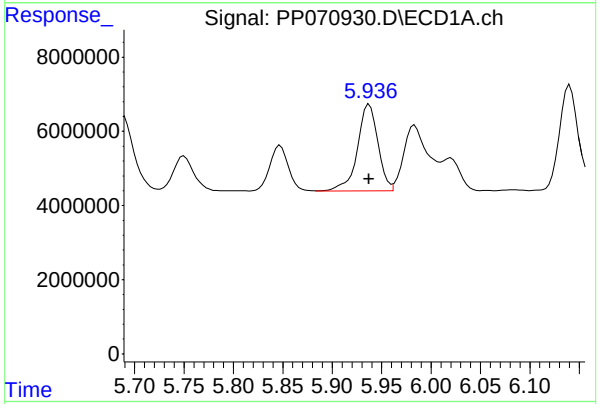
R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 25034469
Conc: 741.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



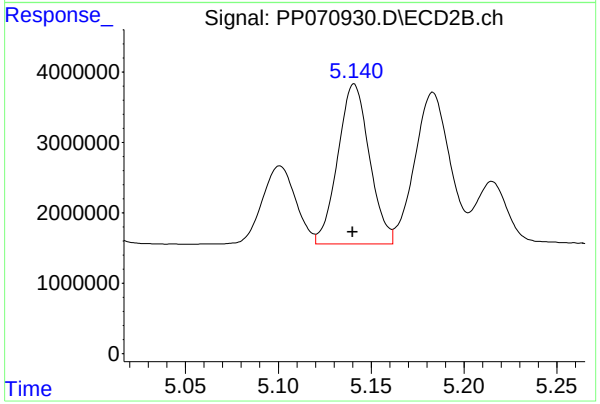
#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 20052758
Conc: 703.57 ng/ml



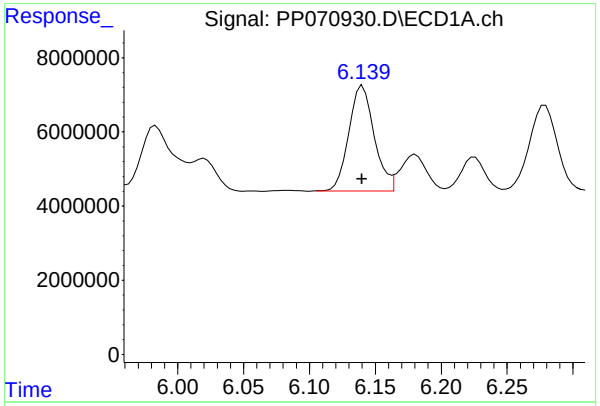
#22 AR-1248-2

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 33734311
Conc: 730.30 ng/ml



#22 AR-1248-2

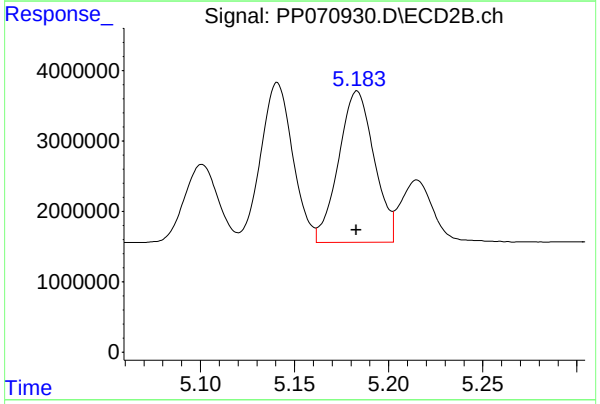
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 26938678
Conc: 703.83 ng/ml



#23 AR-1248-3

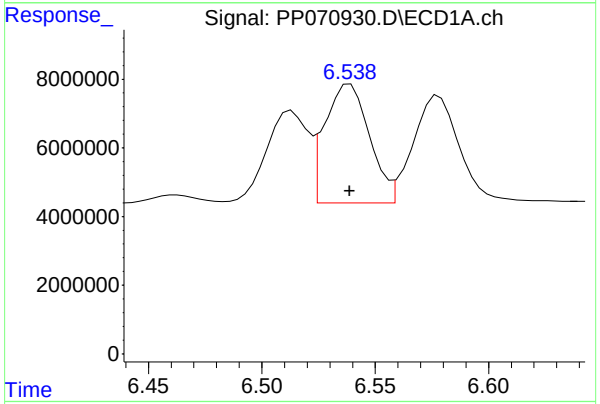
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 38083098
Conc: 734.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



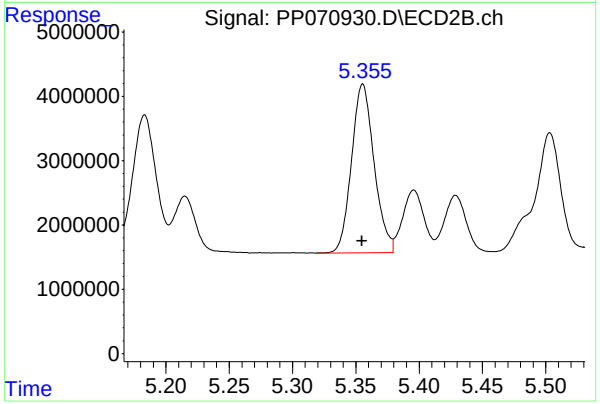
#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 28275820
Conc: 707.53 ng/ml



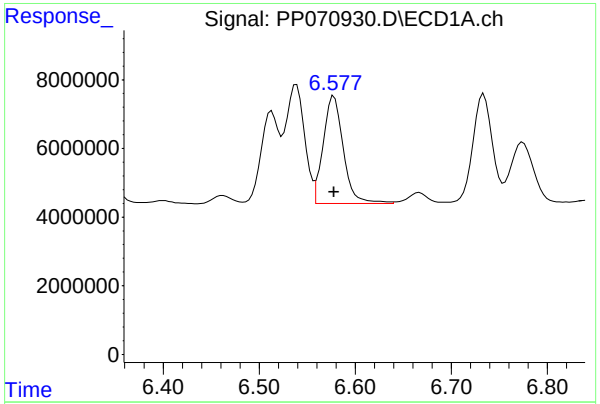
#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 47603456
Conc: 710.08 ng/ml



#24 AR-1248-4

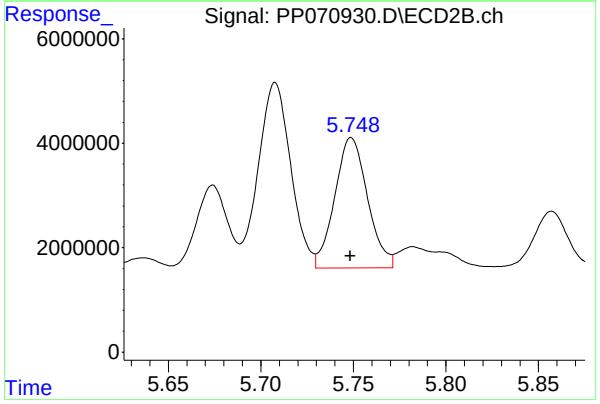
R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 32558799
Conc: 690.07 ng/ml



#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 45378306
Conc: 705.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 30836259
Conc: 702.02 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:22
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: Mar 27 14:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.816	77451968	56907988	50.000	50.000
2)	SA Decachlor...	10.226	8.859	60256834	41354865	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.665	4.903	16890769	14250625	500.000	500.000
22)	L5 AR-1248-2	5.937	5.140	23096128	19137230	500.000	500.000
23)	L5 AR-1248-3	6.140	5.183	25912526	19982060	500.000	500.000
24)	L5 AR-1248-4	6.539	5.355	33519946	23590888	500.000	500.000
25)	L5 AR-1248-5	6.578	5.748	32143070	21962659	500.000	500.000

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

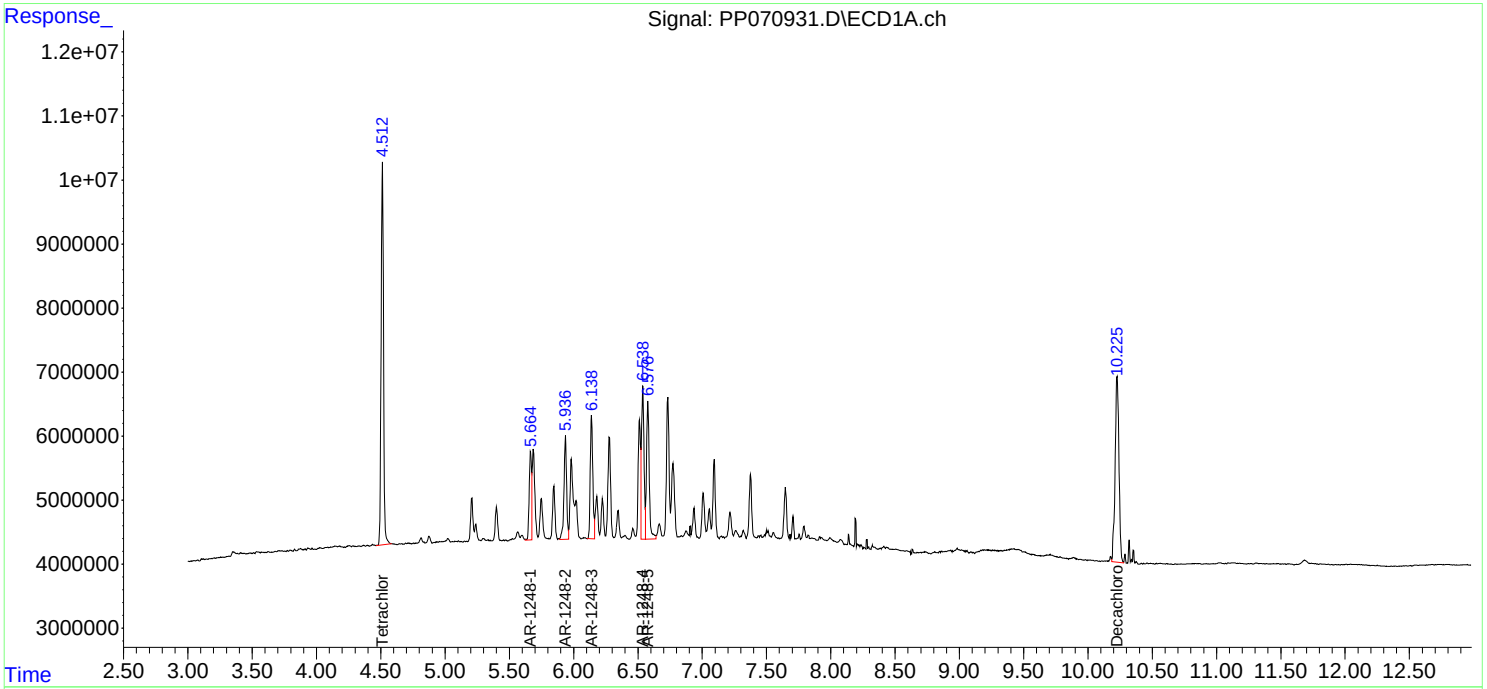
ICAL Form

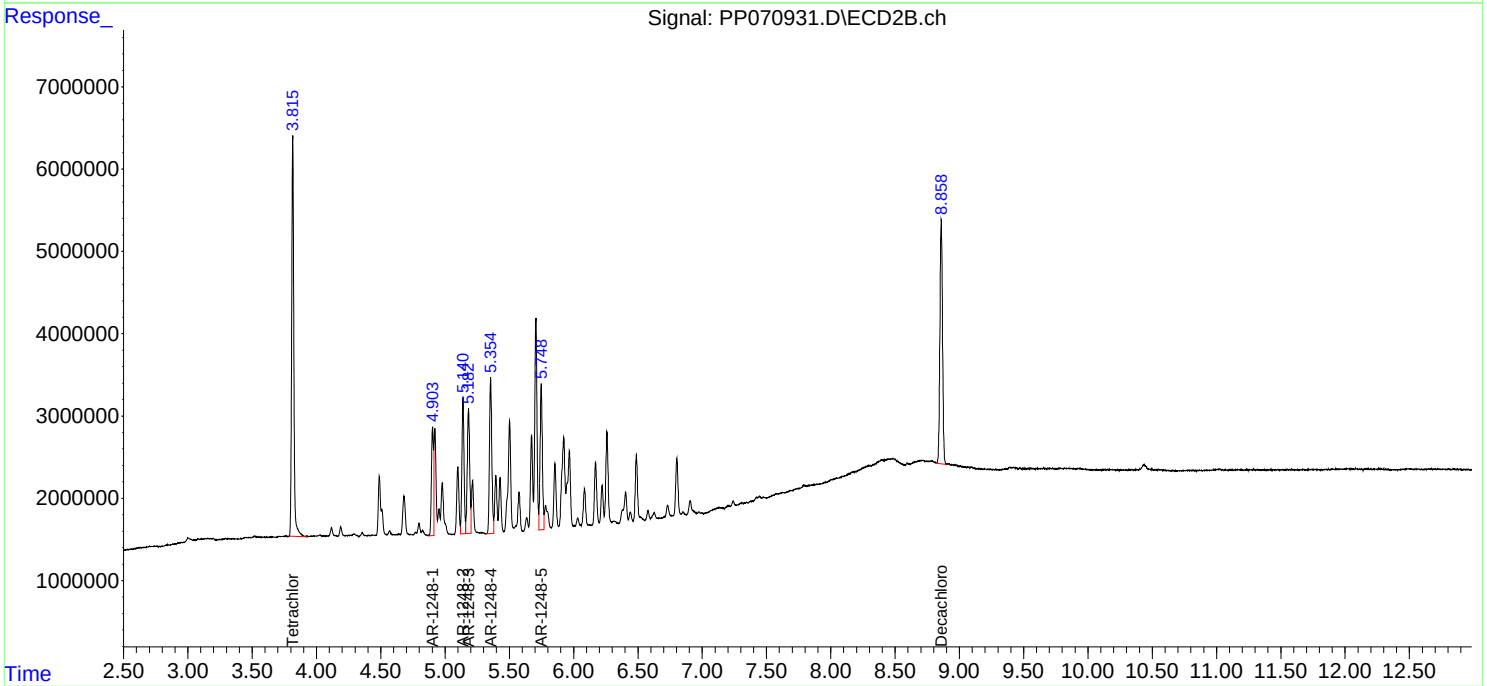
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:22
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

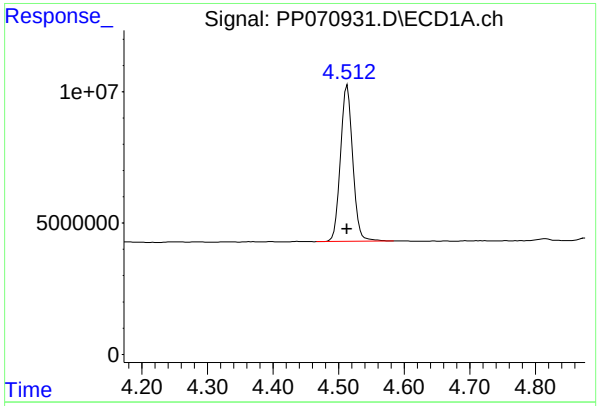
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



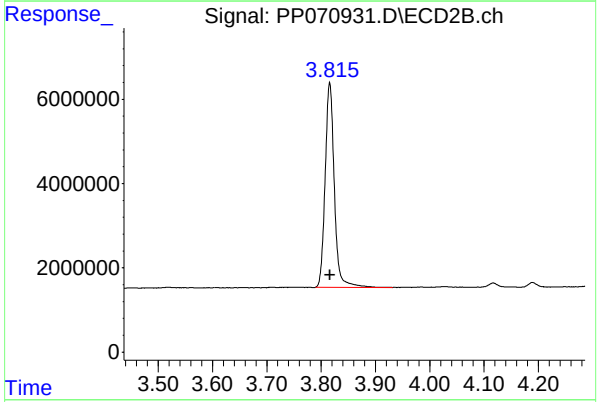




#1 Tetrachloro-m-xylene

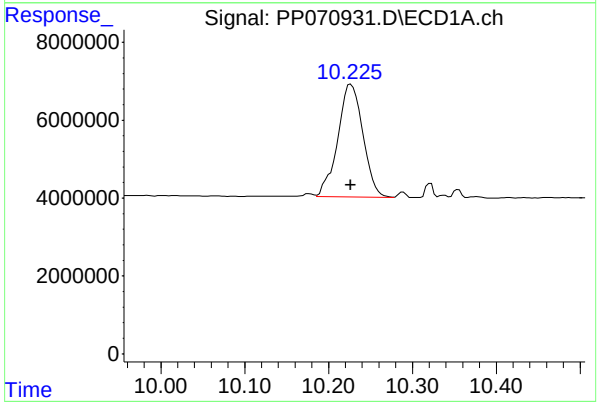
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 77451968
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



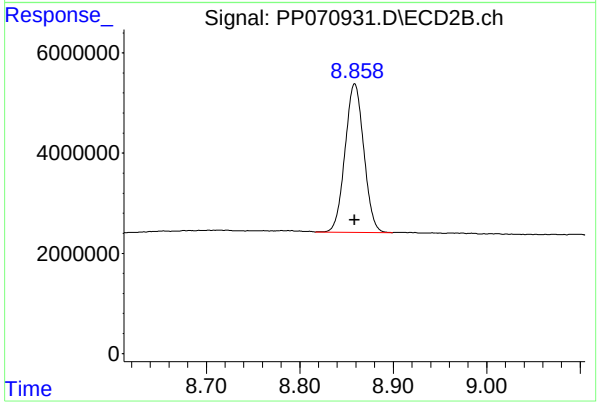
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 56907988
Conc: 50.00 ng/ml



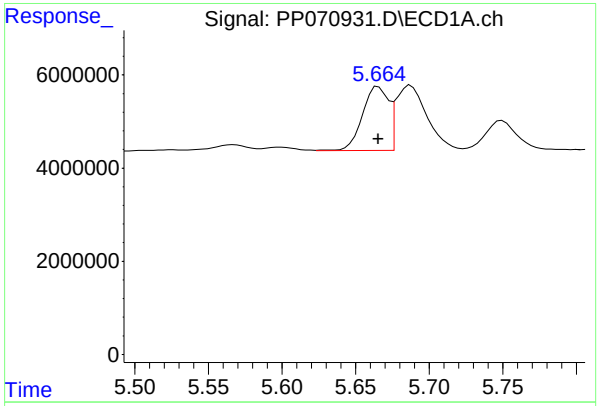
#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 60256834
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

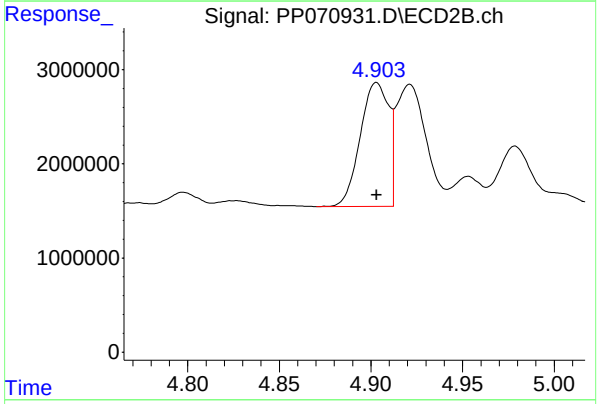
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 41354865
Conc: 50.00 ng/ml



#21 AR-1248-1

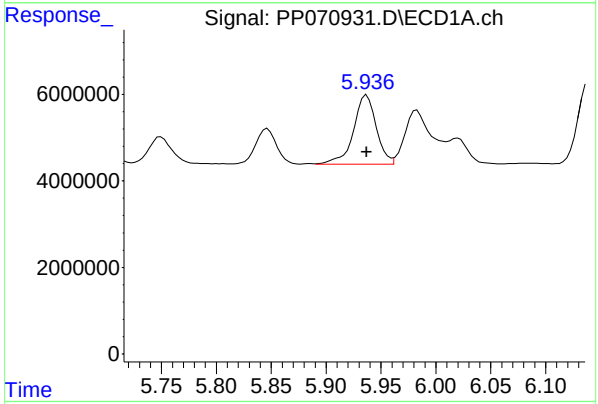
R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 16890769
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



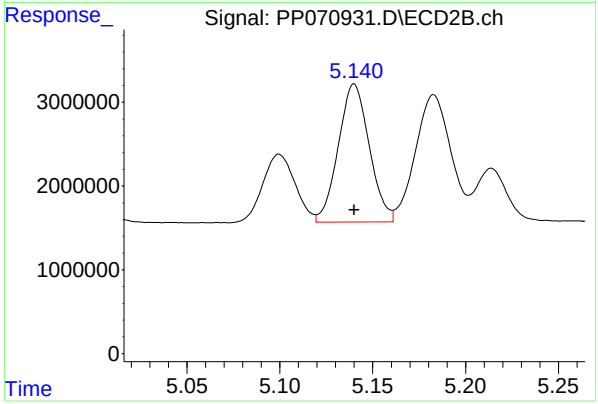
#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 14250625
Conc: 500.00 ng/ml



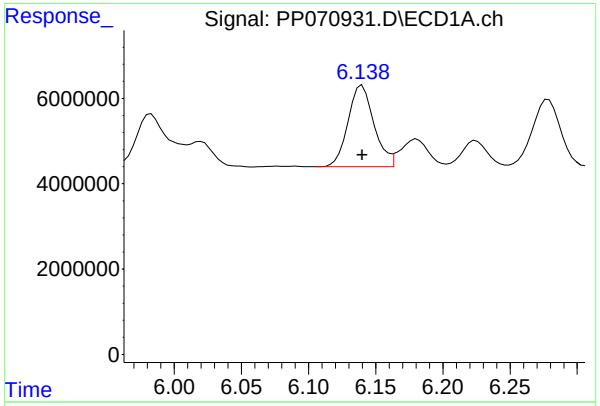
#22 AR-1248-2

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 23096128
Conc: 500.00 ng/ml



#22 AR-1248-2

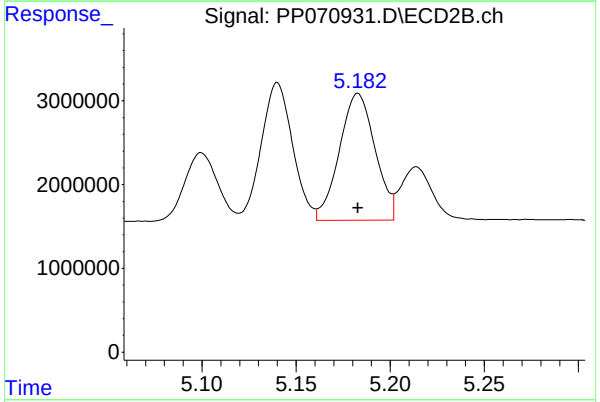
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 19137230
Conc: 500.00 ng/ml



#23 AR-1248-3

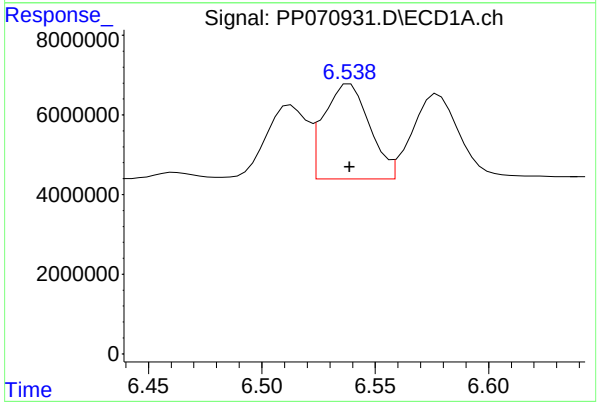
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 25912526
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



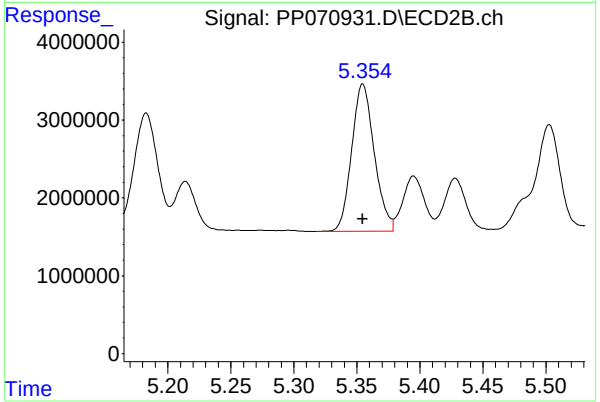
#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 19982060
Conc: 500.00 ng/ml



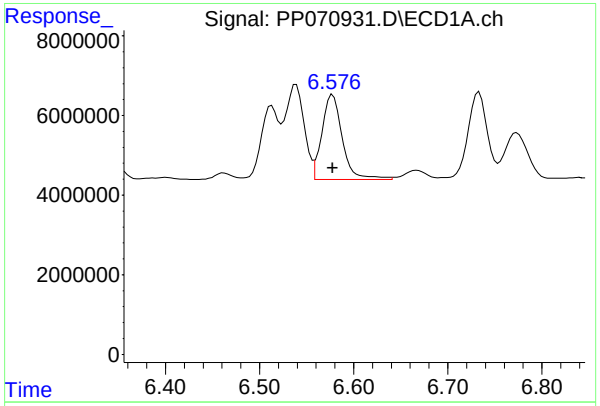
#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 33519946
Conc: 500.00 ng/ml



#24 AR-1248-4

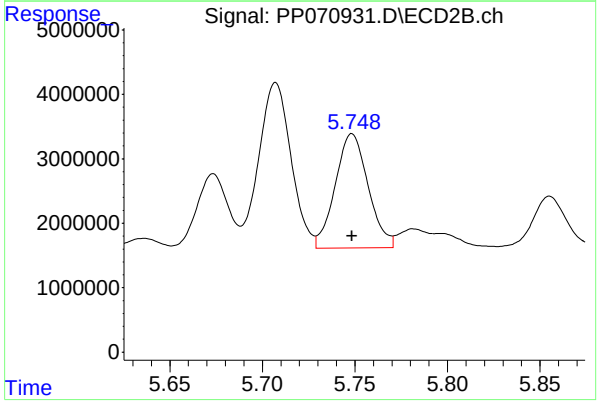
R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 23590888
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 32143070
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 21962659
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:38
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: Mar 27 15:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.517	3.817	38987130	27101787	25.676	25.783
2)	SA Decachlor...	10.232	8.860	29177292	20157827	25.732	25.064
	Target Compounds						
21)	L5 AR-1248-1	5.672	4.904	11497190	7301885	350.874	278.926
22)	L5 AR-1248-2	5.941	5.141	11780544	9675655	264.590	275.754
23)	L5 AR-1248-3	6.144	5.184	12674295	10119428	252.379	275.339
24)	L5 AR-1248-4	6.543	5.356	18357259	12061061	289.258	281.127
25)	L5 AR-1248-5	6.582	5.750	17129846	11658567	283.226	286.518

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

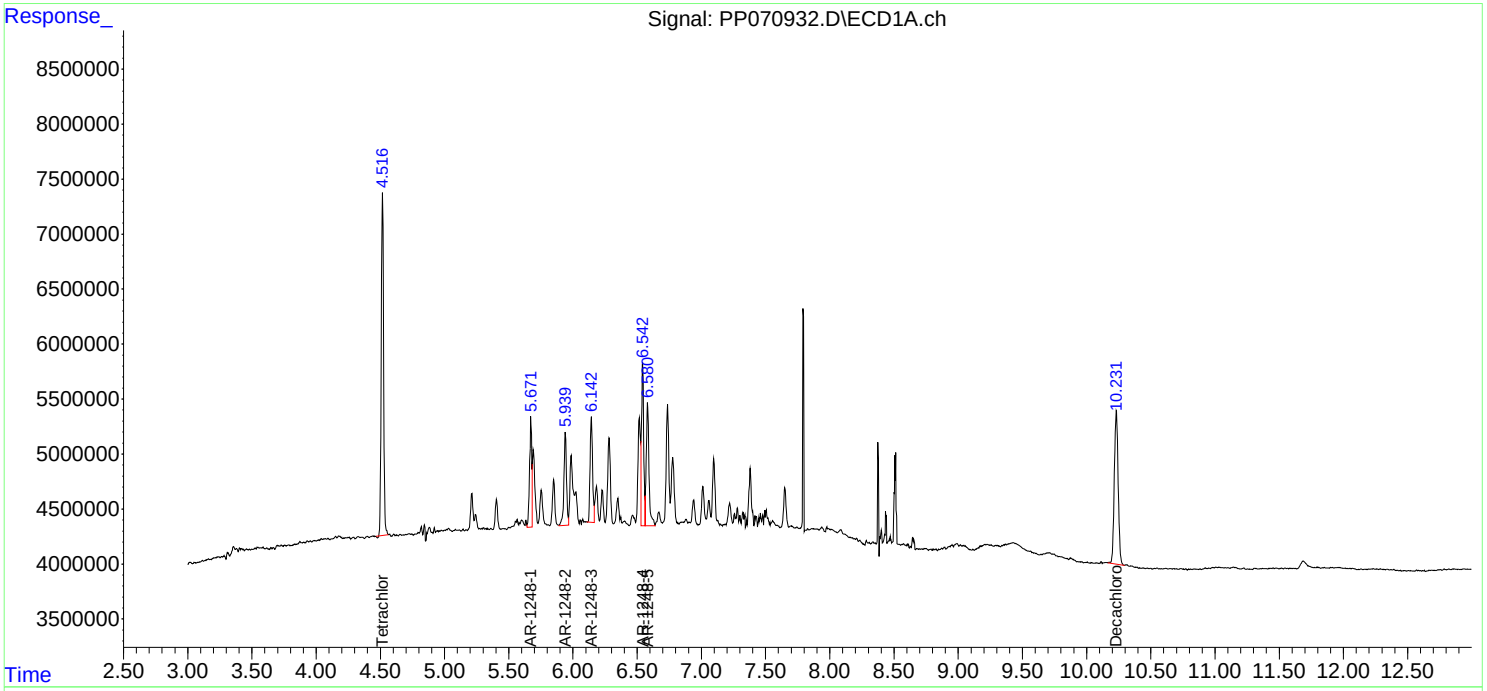
ICAL Form

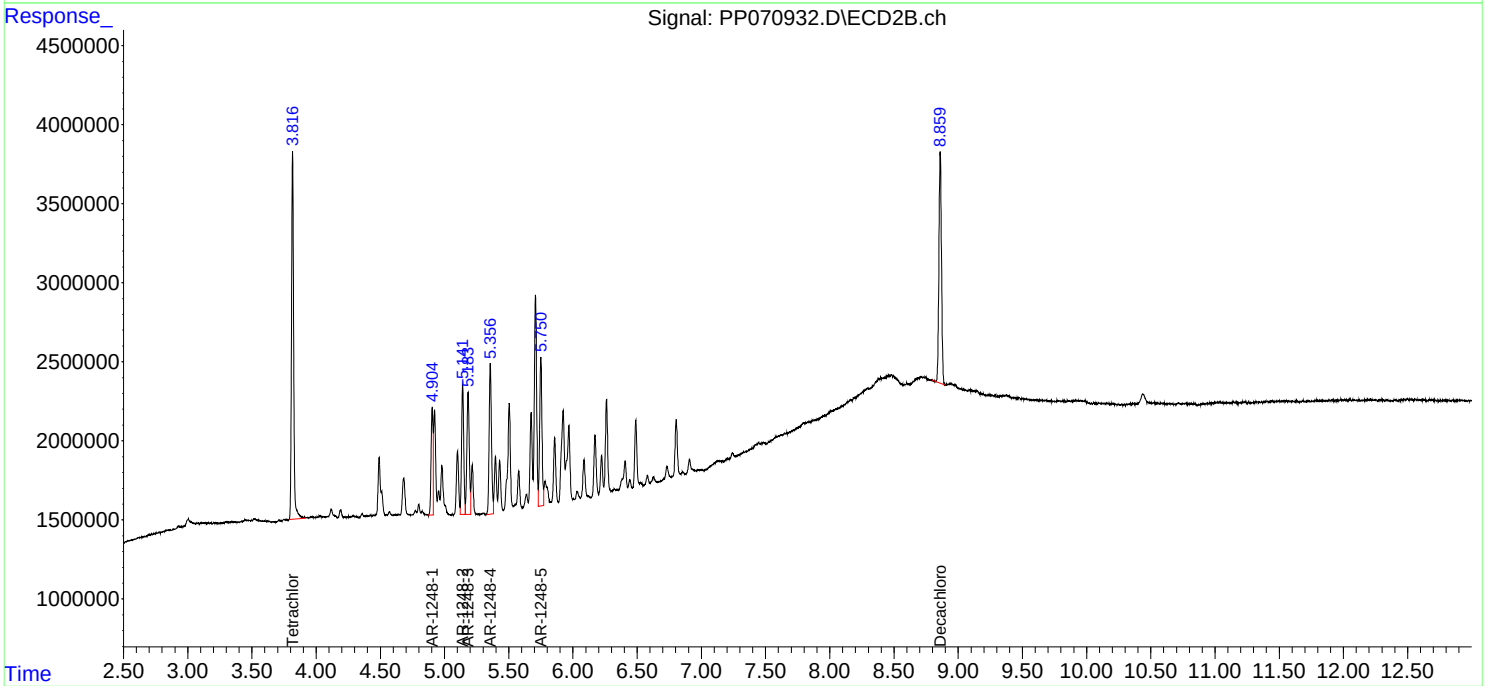
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:38
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

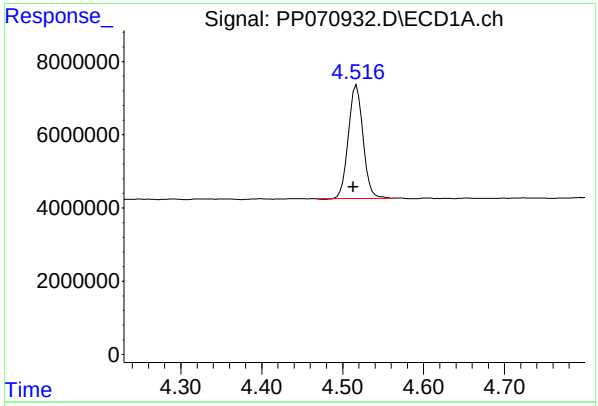
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



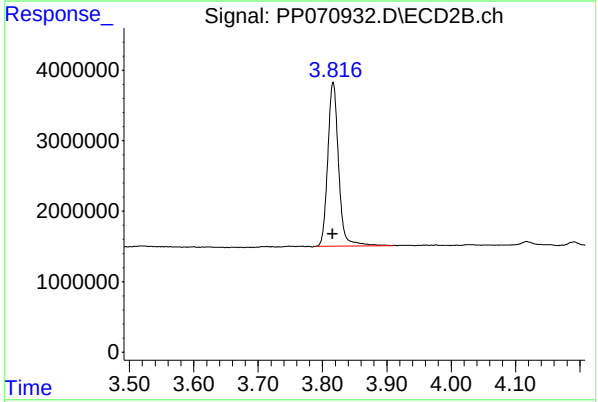




#1 Tetrachloro-m-xylene

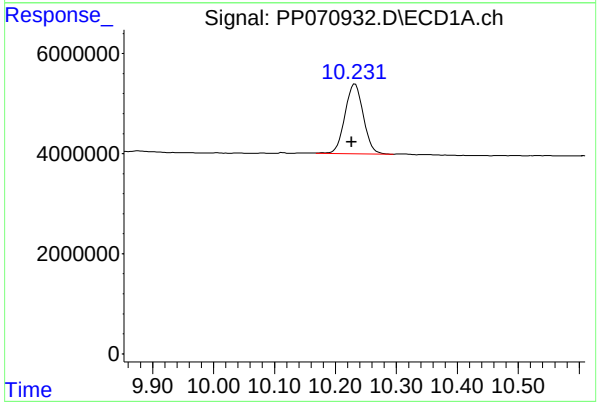
R.T.: 4.517 min
Delta R.T.: 0.004 min
Response: 38987130
Conc: 25.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



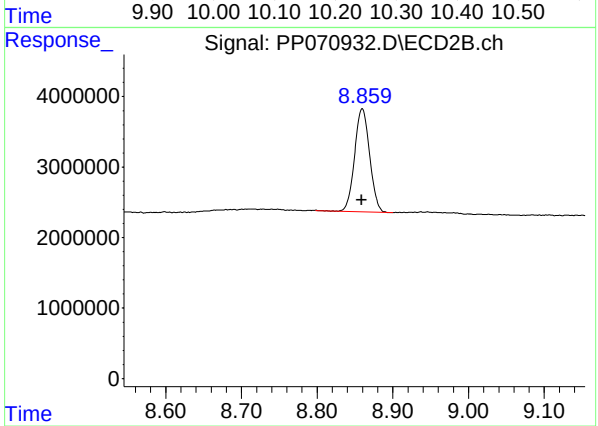
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 27101787
Conc: 25.78 ng/ml



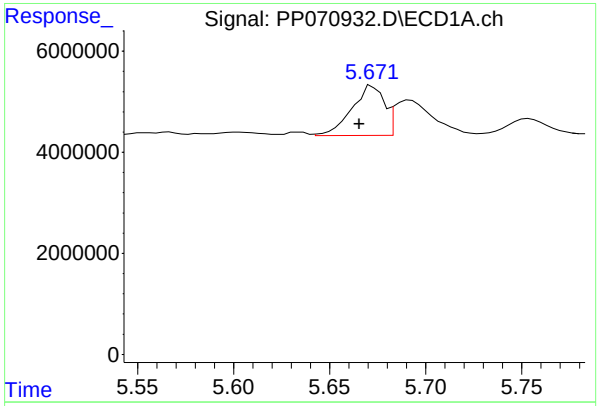
#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.006 min
Response: 29177292
Conc: 25.73 ng/ml



#2 Decachlorobiphenyl

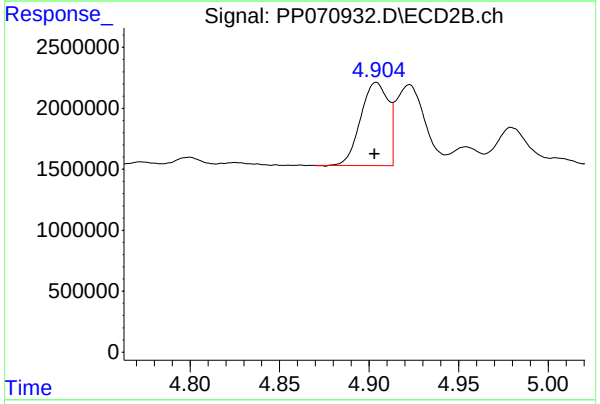
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 20157827
Conc: 25.06 ng/ml



#21 AR-1248-1

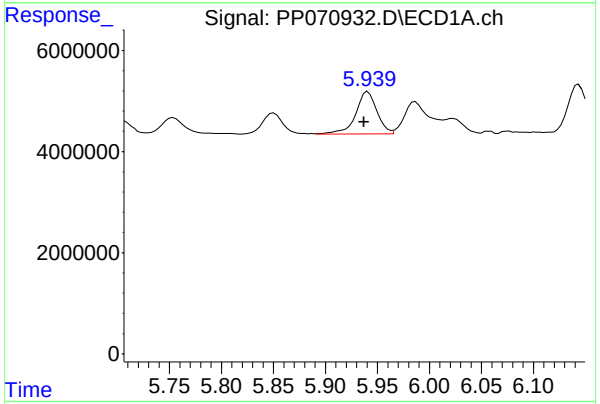
R.T.: 5.672 min
Delta R.T.: 0.007 min
Response: 11497190
Conc: 350.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



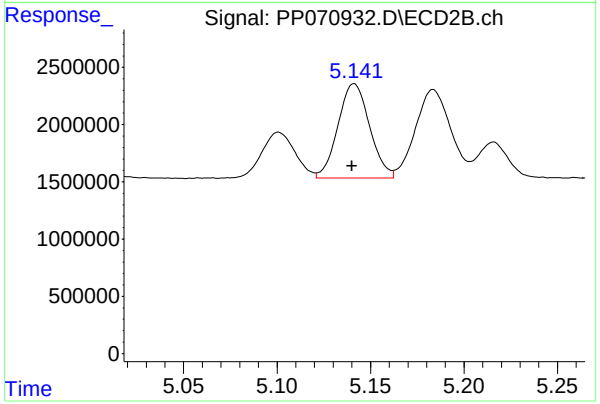
#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.000 min
Response: 7301885
Conc: 278.93 ng/ml



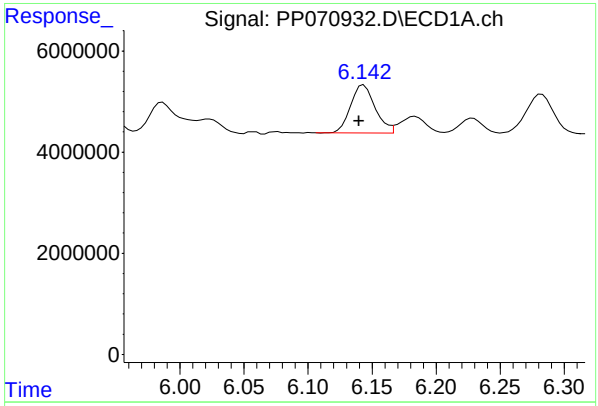
#22 AR-1248-2

R.T.: 5.941 min
Delta R.T.: 0.004 min
Response: 11780544
Conc: 264.59 ng/ml



#22 AR-1248-2

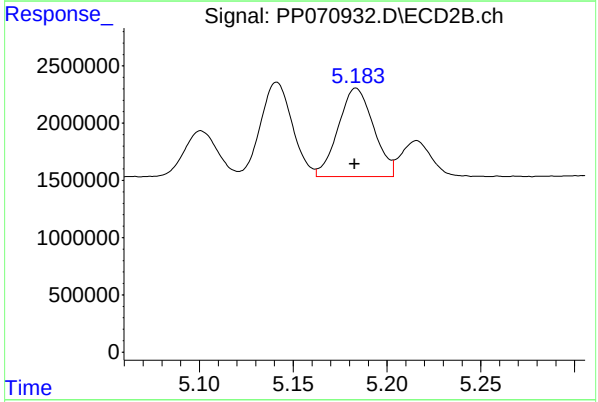
R.T.: 5.141 min
Delta R.T.: 0.001 min
Response: 9675655
Conc: 275.75 ng/ml



#23 AR-1248-3

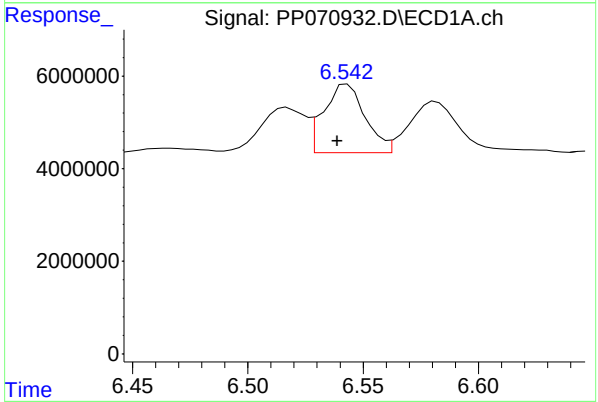
R.T.: 6.144 min
Delta R.T.: 0.004 min
Response: 12674295
Conc: 252.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



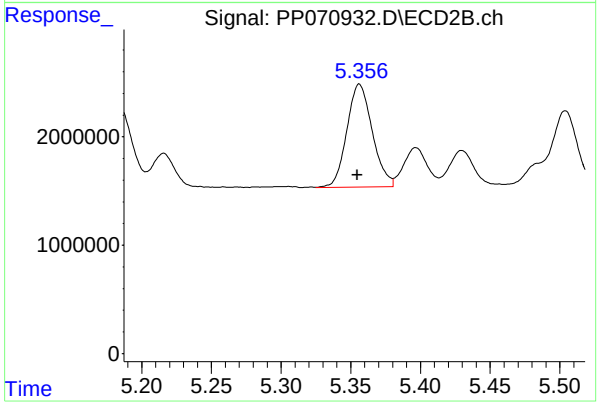
#23 AR-1248-3

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 10119428
Conc: 275.34 ng/ml



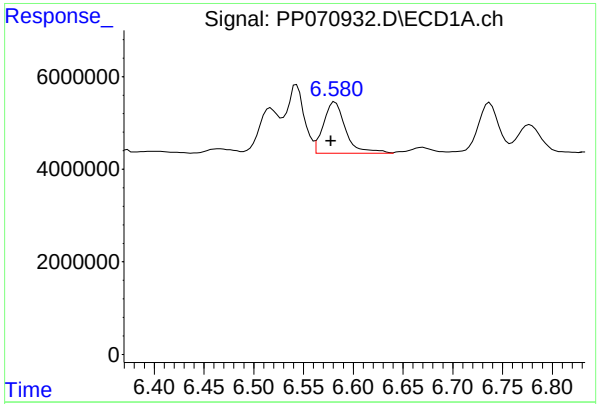
#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: 0.004 min
Response: 18357259
Conc: 289.26 ng/ml



#24 AR-1248-4

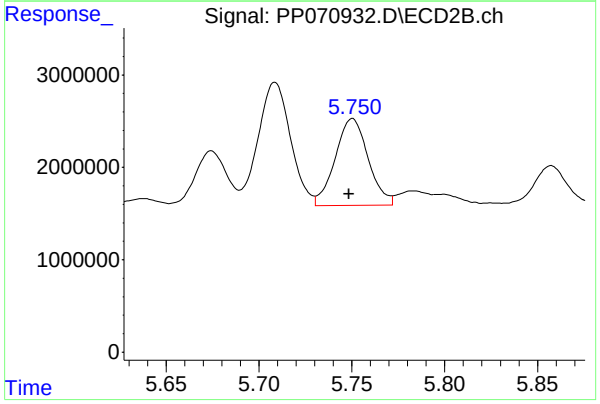
R.T.: 5.356 min
Delta R.T.: 0.002 min
Response: 12061061
Conc: 281.13 ng/ml



#25 AR-1248-5

R.T.: 6.582 min
Delta R.T.: 0.004 min
Response: 17129846
Conc: 283.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 11658567
Conc: 286.52 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.513	3.815	7324663	5848649	4.791	5.521
2) SA	Decachlor...	10.227	8.859	5549589	3661642	4.859	4.550
	Target Compounds						
21) L5	AR-1248-1	5.665	4.902	1857345	1382826	51.489	51.338
22) L5	AR-1248-2	5.935	5.140	2199982	1982278	48.701m	55.076
23) L5	AR-1248-3	6.137	5.182	2591630	2128069	51.484m	56.472
24) L5	AR-1248-4	6.536	5.354	2845967	2437650	43.150m	55.103 #
25) L5	AR-1248-5	6.576	5.748	2713422	2234402	43.421m	52.978

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

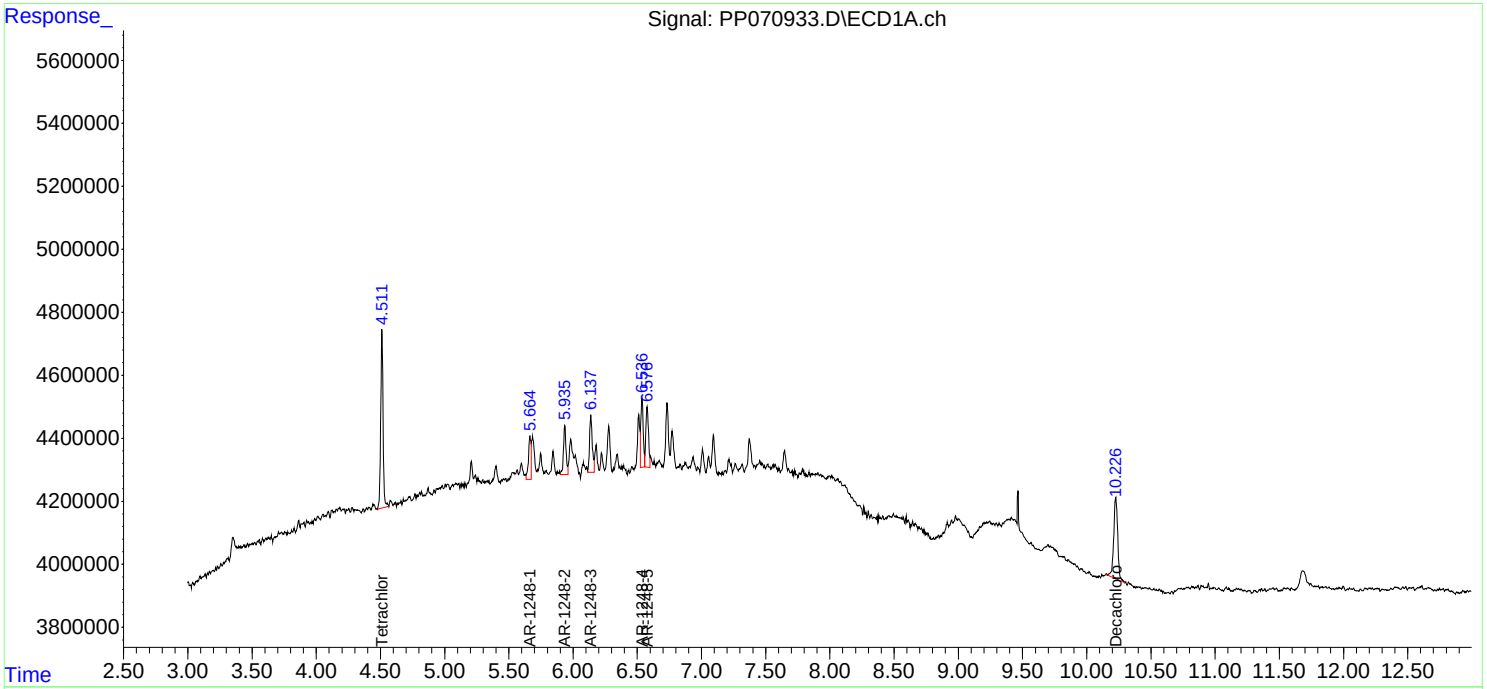
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

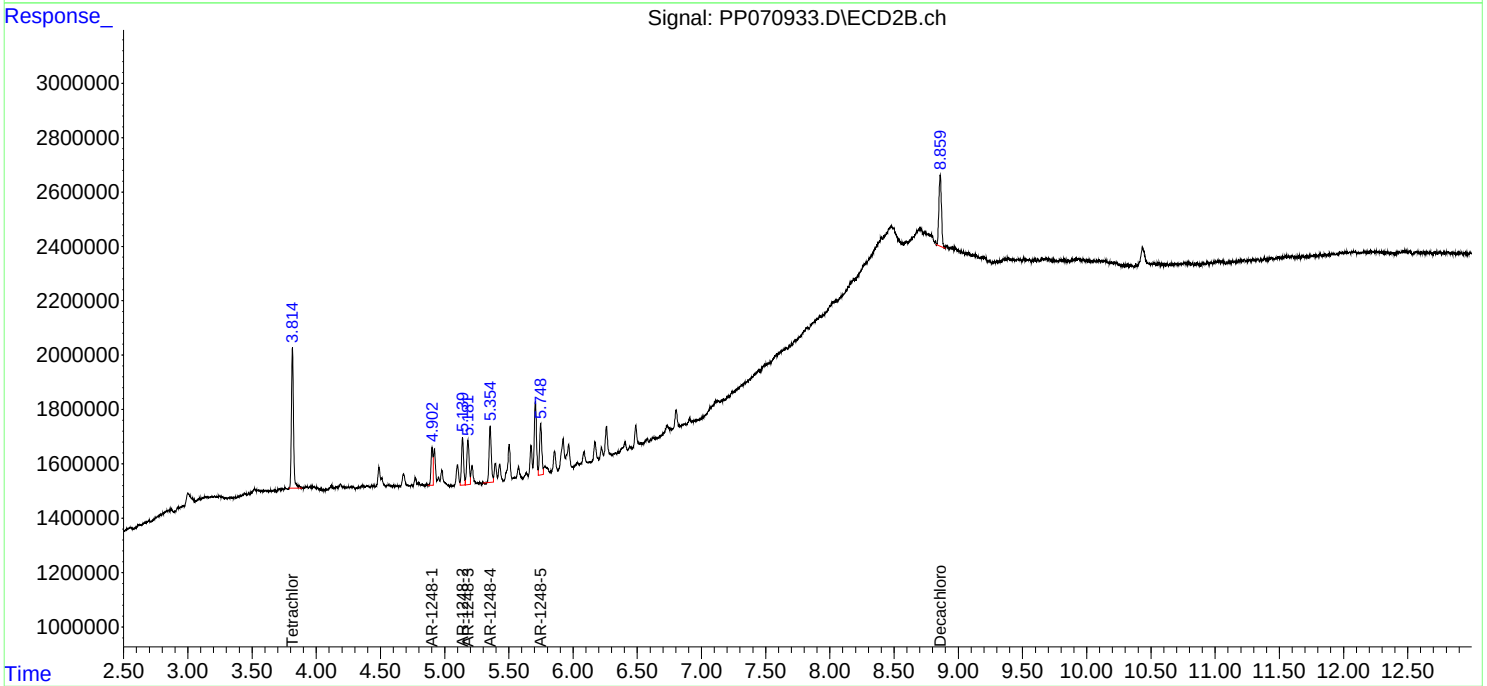
Manual Integrations APPROVED

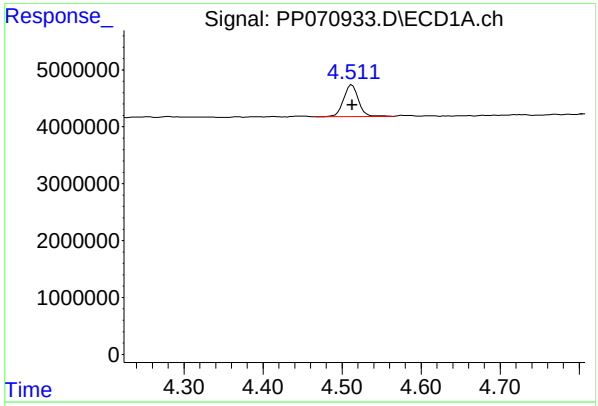
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







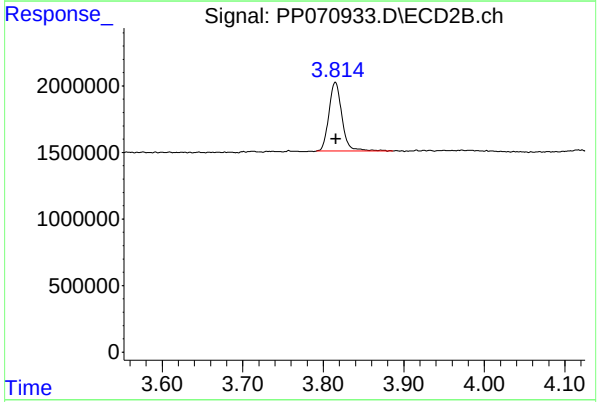
#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 7324663
Conc: 4.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

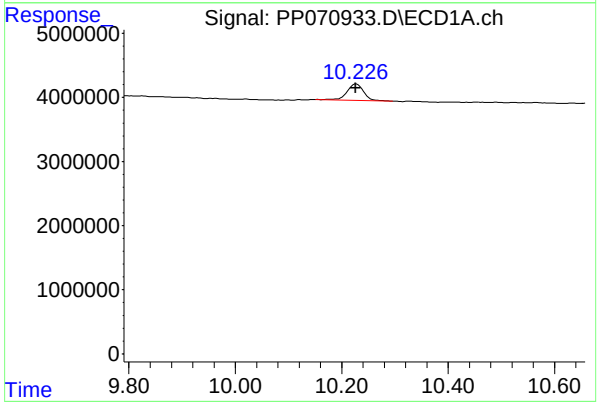
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



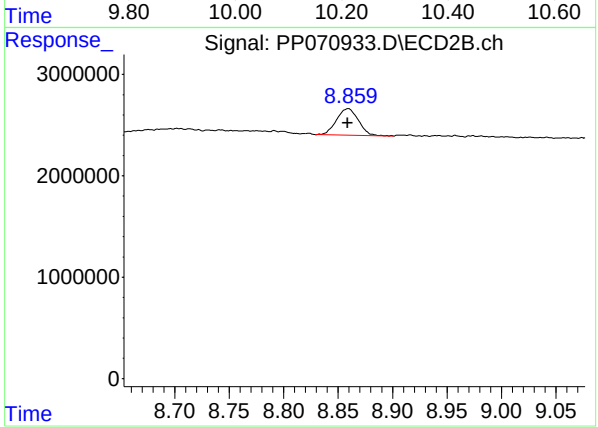
#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 5848649
Conc: 5.52 ng/ml



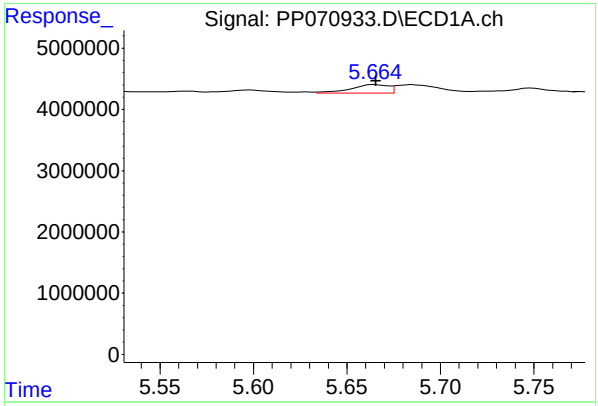
#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.000 min
Response: 5549589
Conc: 4.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 3661642
Conc: 4.55 ng/ml



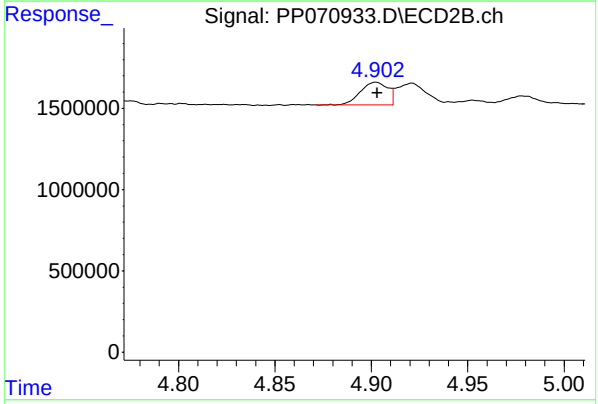
#21 AR-1248-1

R.T.: 5.665 min
Delta R.T.: 0.000 mi
Response: 1857345
Conc: 51.49 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

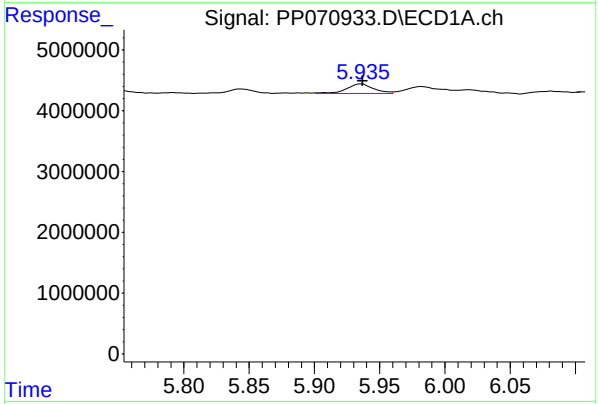
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



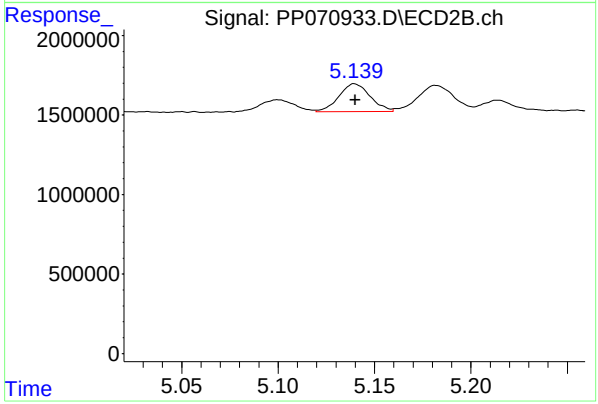
#21 AR-1248-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 1382826
Conc: 51.34 ng/ml



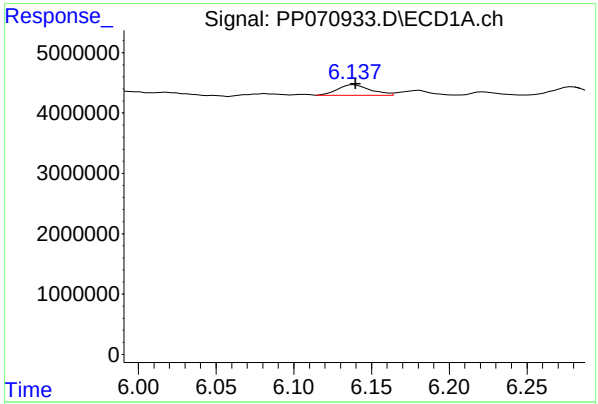
#22 AR-1248-2

R.T.: 5.935 min
Delta R.T.: -0.002 min
Response: 2199982
Conc: 48.70 ng/ml m



#22 AR-1248-2

R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1982278
Conc: 55.08 ng/ml



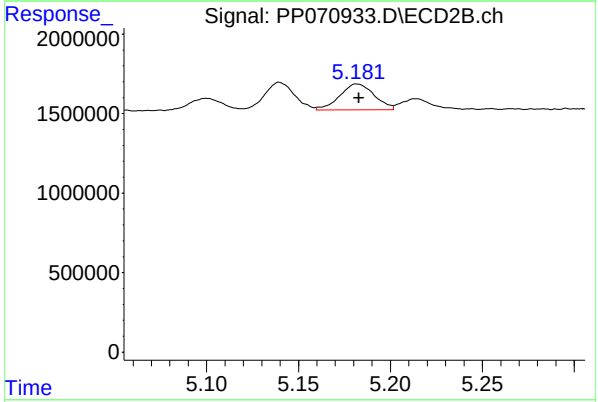
#23 AR-1248-3

R.T.: 6.137 min
Delta R.T.: -0.002 mi
Response: 2591630
Conc: 51.48 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

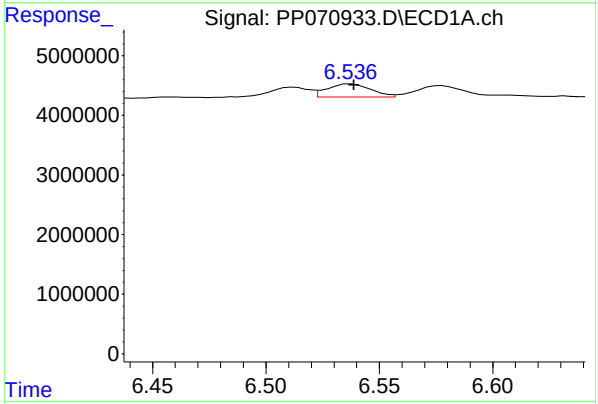
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



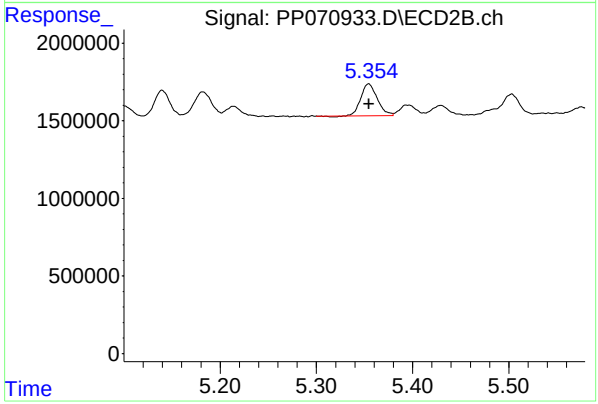
#23 AR-1248-3

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 2128069
Conc: 56.47 ng/ml



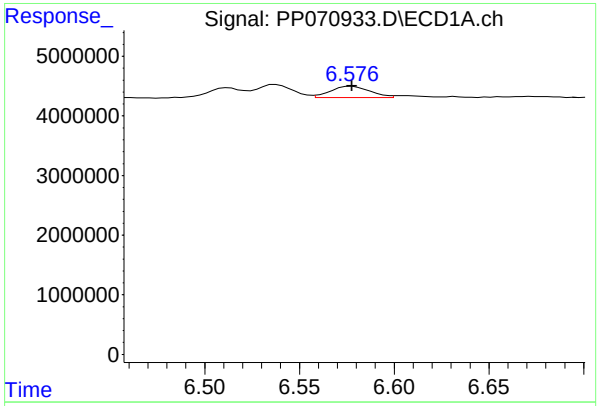
#24 AR-1248-4

R.T.: 6.536 min
Delta R.T.: -0.003 min
Response: 2845967
Conc: 43.15 ng/ml m



#24 AR-1248-4

R.T.: 5.354 min
Delta R.T.: 0.000 min
Response: 2437650
Conc: 55.10 ng/ml



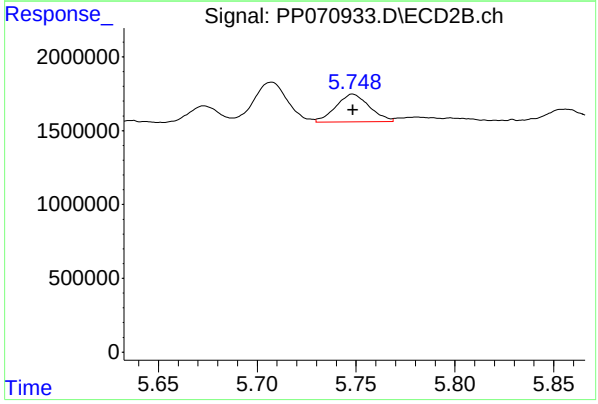
#25 AR-1248-5

R.T.: 6.576 min
Delta R.T.: -0.001 min
Response: 2713422
Conc: 43.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#25 AR-1248-5

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 2234402
Conc: 52.98 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:11
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	150.1E6	104.3E6	95.275	94.048
2)	SA Decachlor...	10.231	8.860	109.5E6	78348381	93.754	86.018
	Target Compounds						
26)	L6 AR-1254-1	6.516	5.709	60157506	58928147	918.830	891.736
27)	L6 AR-1254-2	6.732	5.857	92838442	50145967	911.948	882.952
28)	L6 AR-1254-3	7.095	6.261	92334650	77448562	928.765	882.456
29)	L6 AR-1254-4	7.379	6.490	84238161	49998215	970.458	893.353
30)	L6 AR-1254-5	7.792	6.908	74433164	65979008	920.580m	918.596

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:11
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

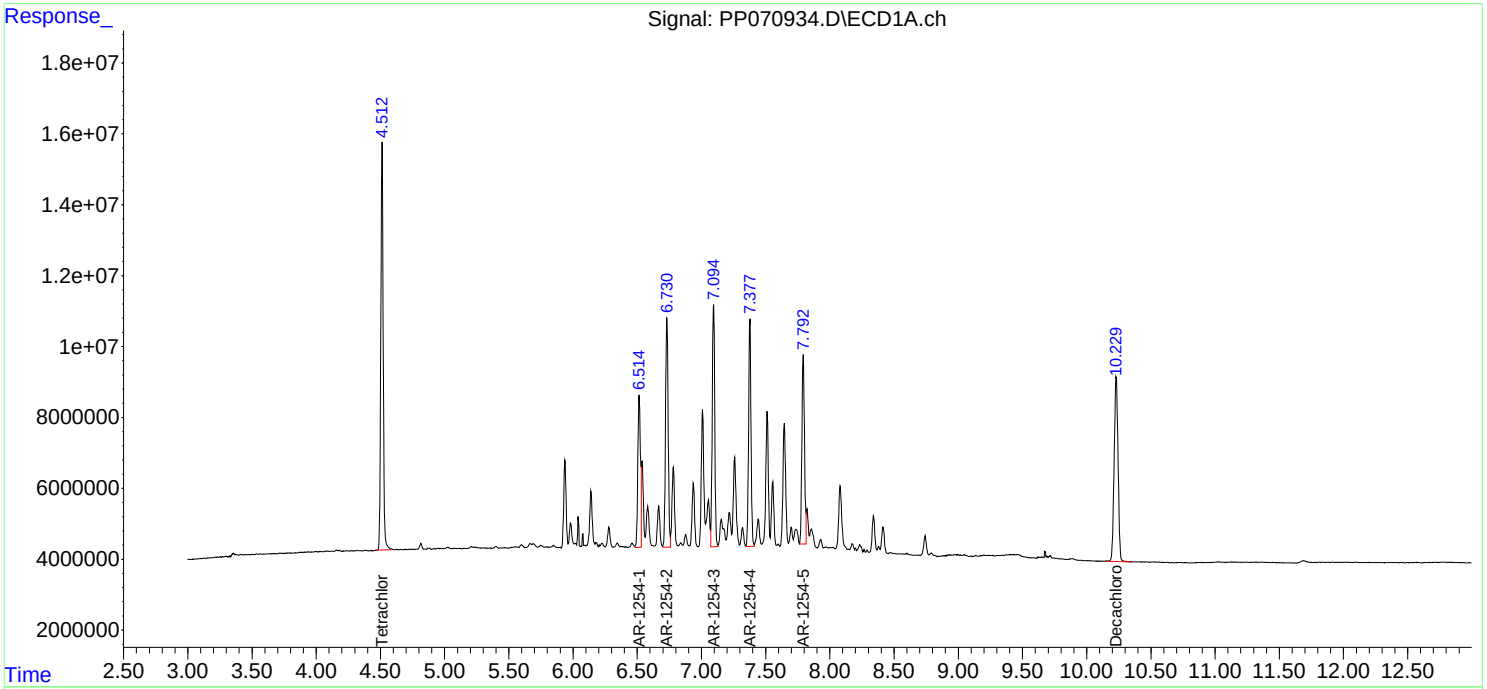
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

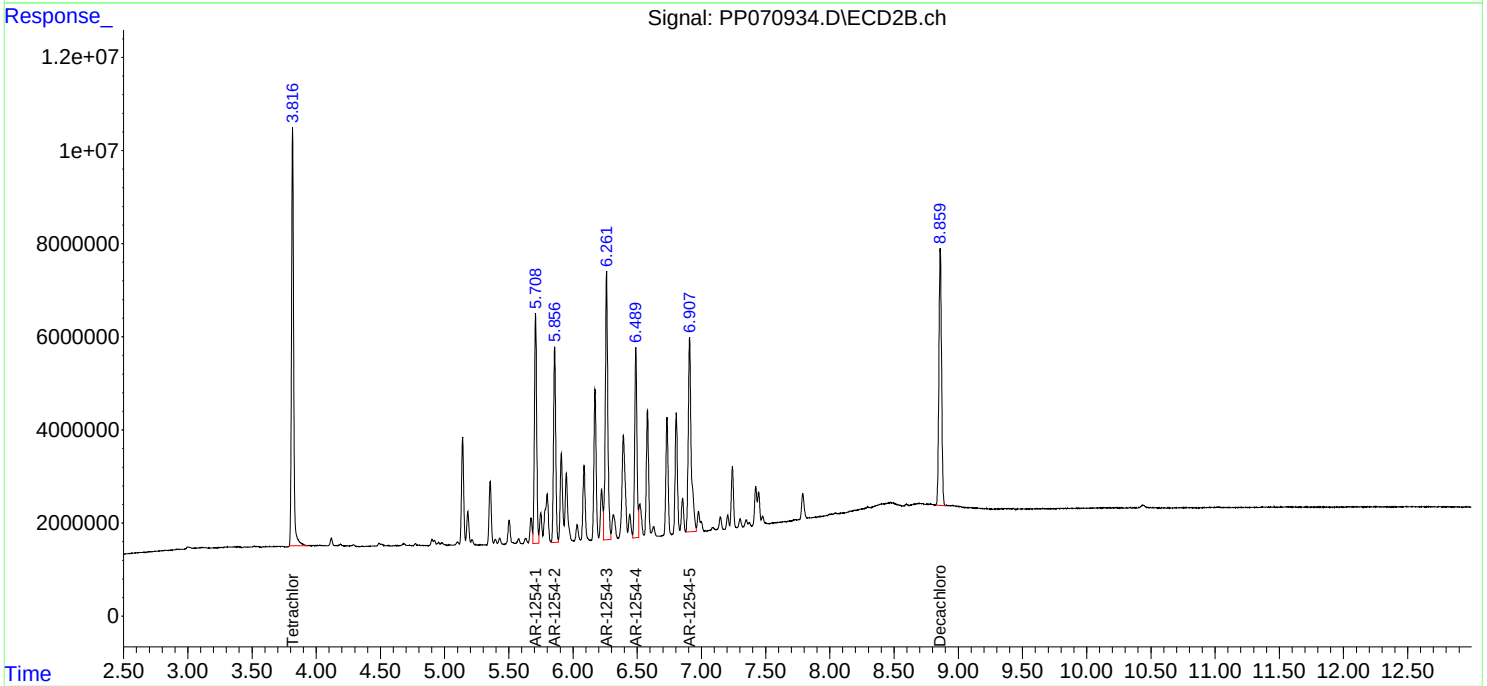
Manual Integrations APPROVED

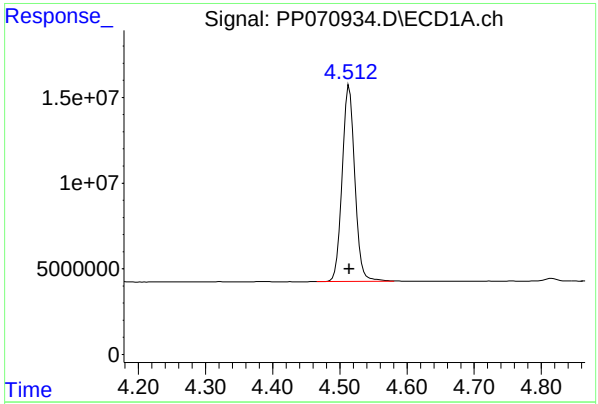
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







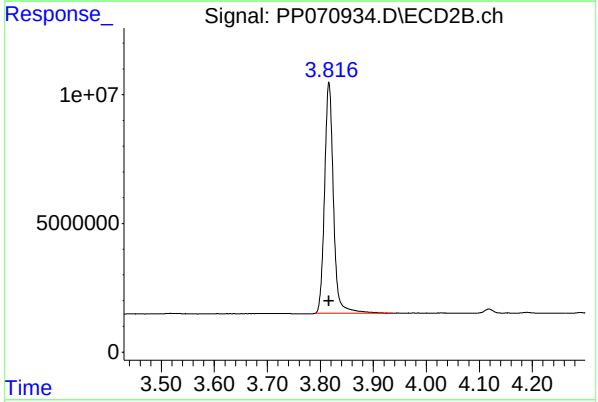
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 150128836
Conc: 95.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

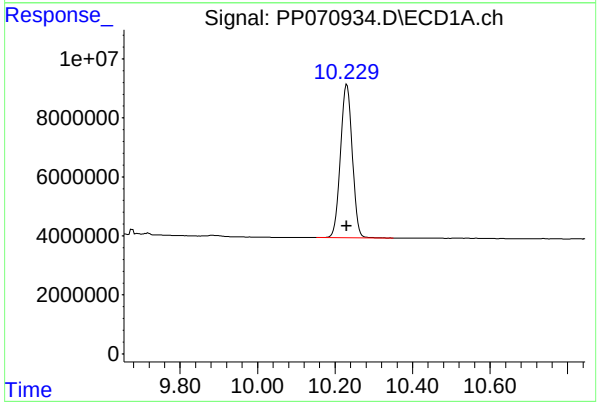
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



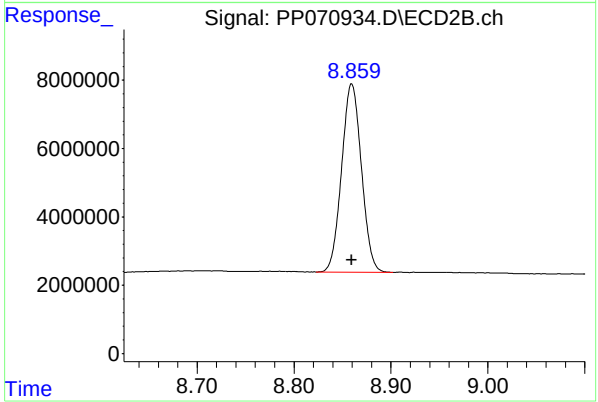
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 104259560
Conc: 94.05 ng/ml



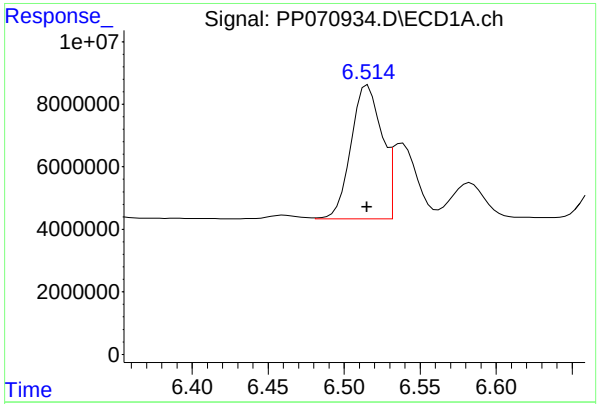
#2 Decachlorobiphenyl

R.T.: 10.231 min
Delta R.T.: 0.001 min
Response: 109543241
Conc: 93.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 78348381
Conc: 86.02 ng/ml



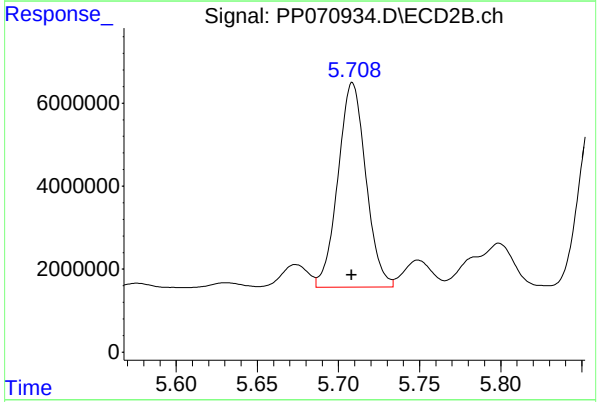
#26 AR-1254-1

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 60157506
Conc: 918.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

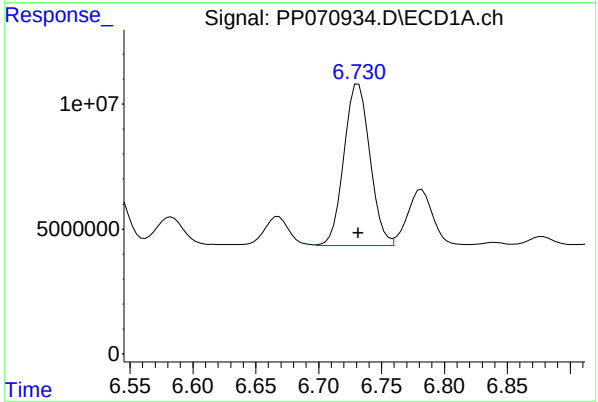
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



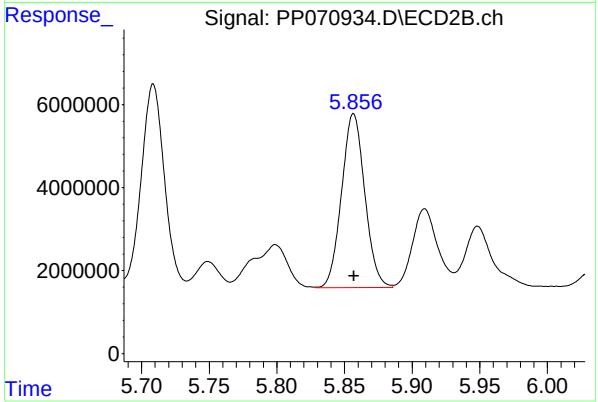
#26 AR-1254-1

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 58928147
Conc: 891.74 ng/ml



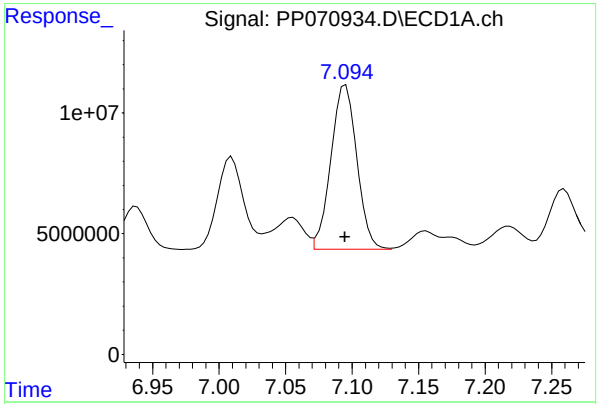
#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 92838442
Conc: 911.95 ng/ml



#27 AR-1254-2

R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 50145967
Conc: 882.95 ng/ml



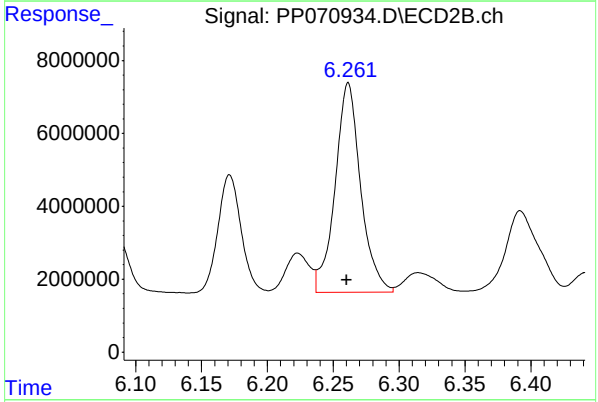
#28 AR-1254-3

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 92334650
Conc: 928.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

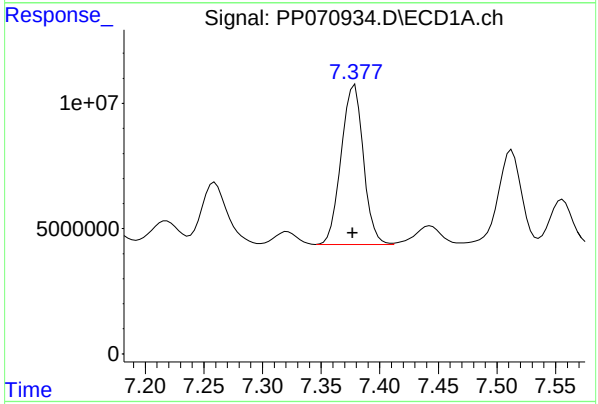
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



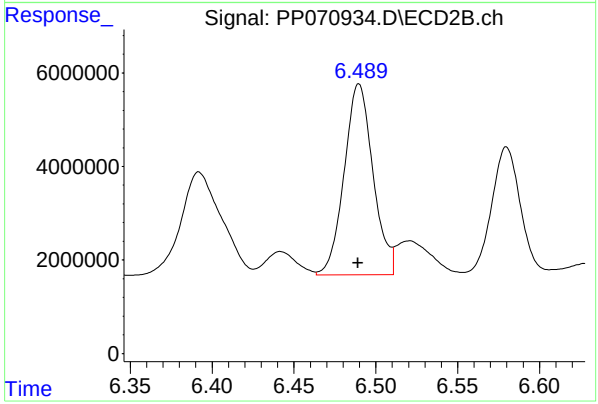
#28 AR-1254-3

R.T.: 6.261 min
Delta R.T.: 0.001 min
Response: 77448562
Conc: 882.46 ng/ml



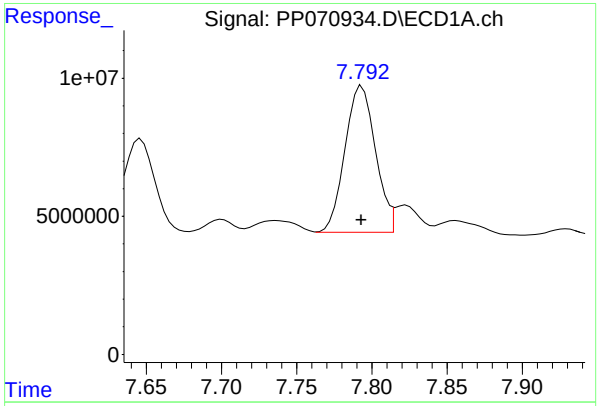
#29 AR-1254-4

R.T.: 7.379 min
Delta R.T.: 0.002 min
Response: 84238161
Conc: 970.46 ng/ml



#29 AR-1254-4

R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 49998215
Conc: 893.35 ng/ml



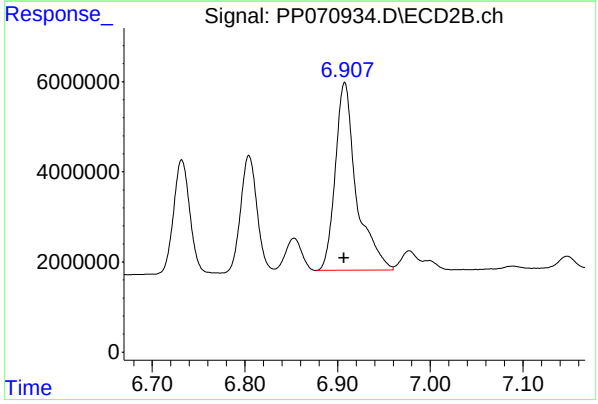
#30 AR-1254-5

R.T.: 7.792 min
Delta R.T.: 0.000 min
Response: 74433164
Conc: 920.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#30 AR-1254-5

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 65979008
Conc: 918.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	116.3E6	81865229	73.835	73.847
2)	SA Decachlor...	10.228	8.859	85851924	59713645	73.477	65.559
	Target Compounds						
26)	L6 AR-1254-1	6.515	5.708	47300573	46349687	722.456	701.391
27)	L6 AR-1254-2	6.731	5.856	72785411	40339655	714.968	710.286
28)	L6 AR-1254-3	7.094	6.260	73541603	62731680	739.732	714.771
29)	L6 AR-1254-4	7.377	6.490	65835410	40961211	758.451	731.883
30)	L6 AR-1254-5	7.792	6.907	59278726	53519032	733.152m	745.122

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

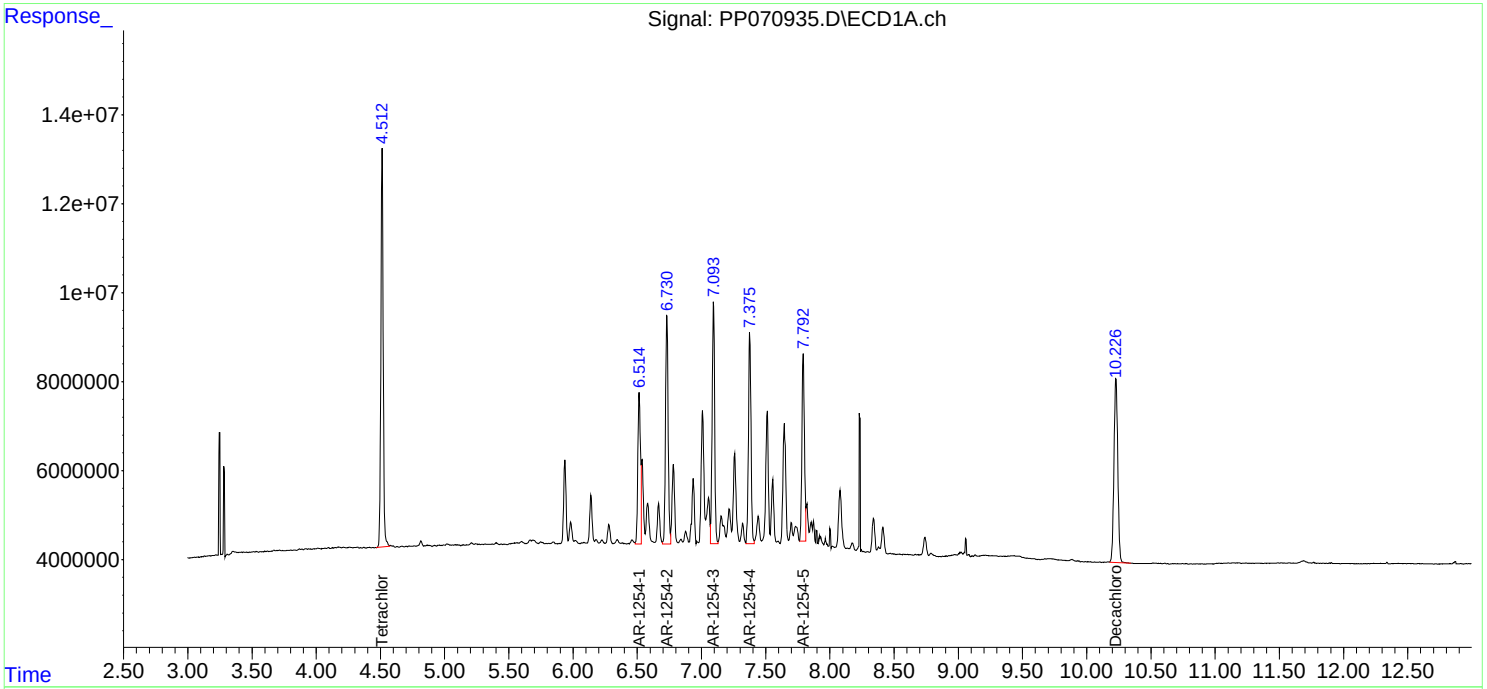
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

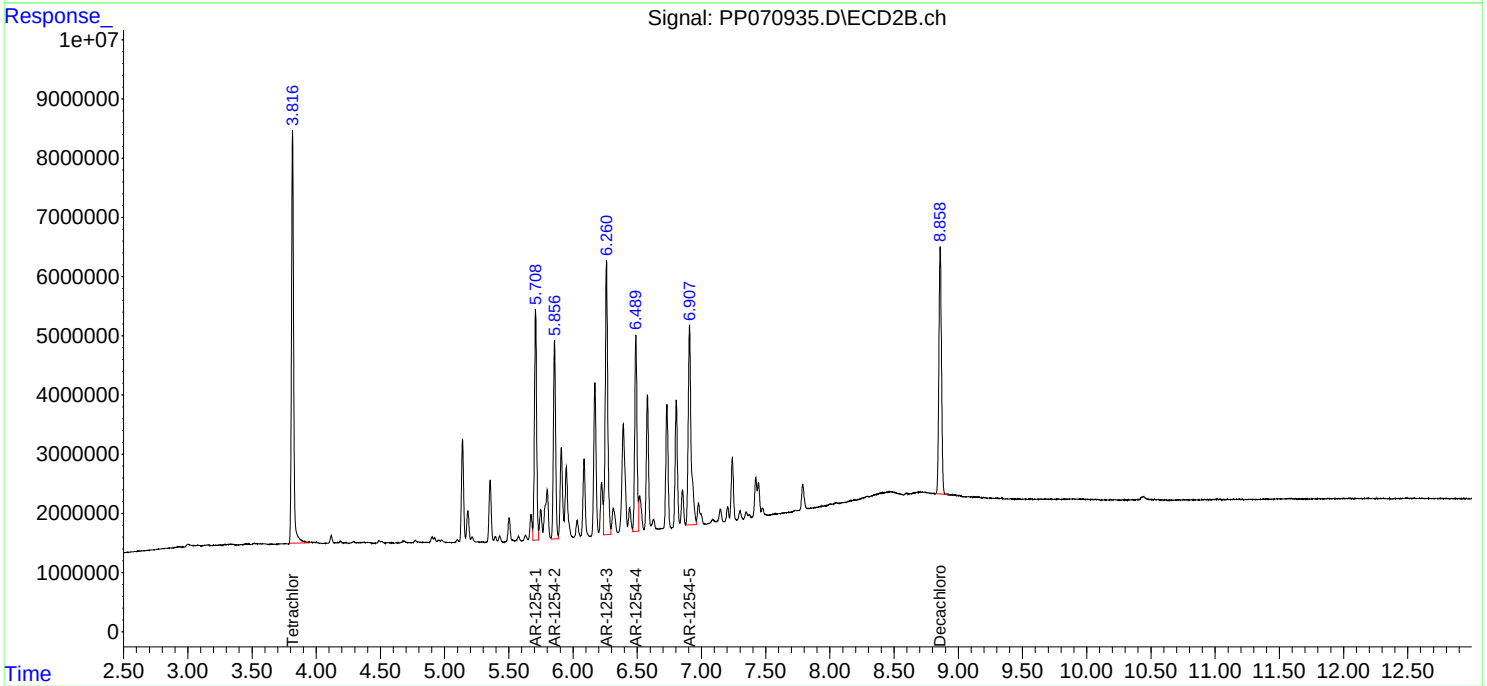
Manual Integrations APPROVED

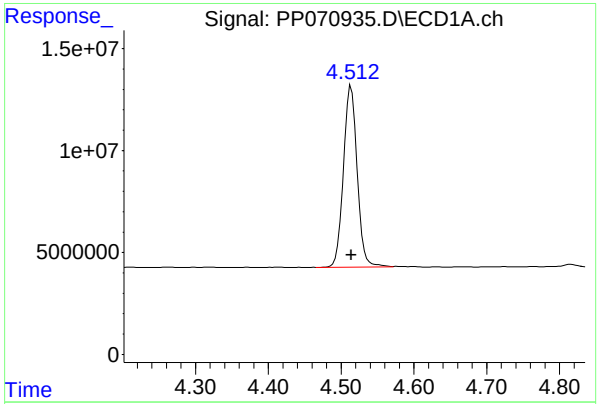
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







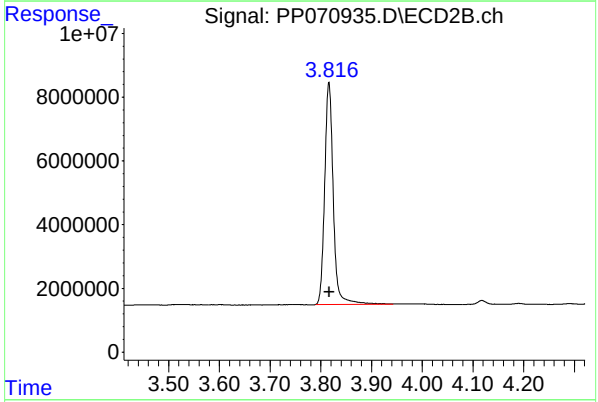
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 116345667
Conc: 73.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

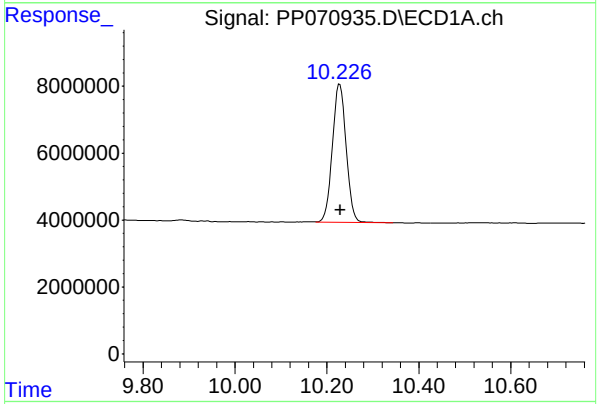
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



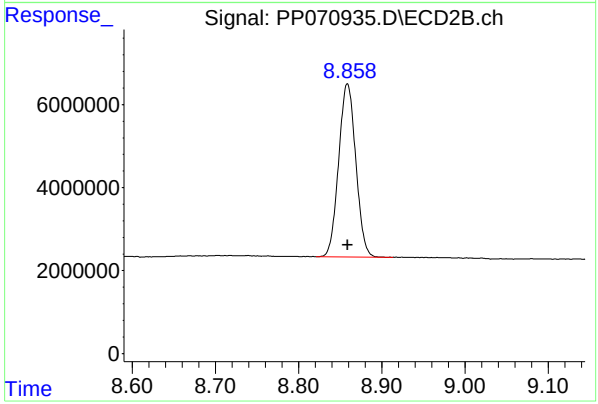
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 81865229
Conc: 73.85 ng/ml



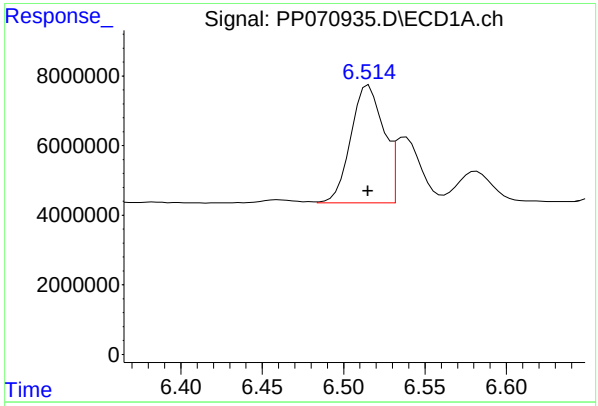
#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.002 min
Response: 85851924
Conc: 73.48 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 59713645
Conc: 65.56 ng/ml



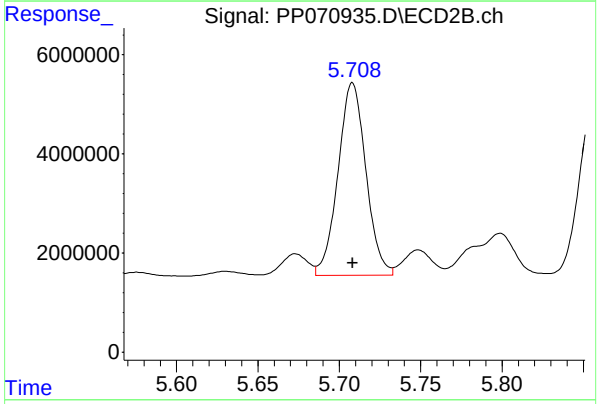
#26 AR-1254-1

R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 47300573
Conc: 722.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

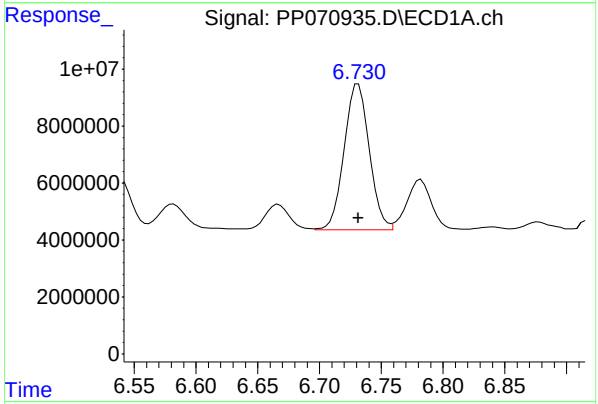
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



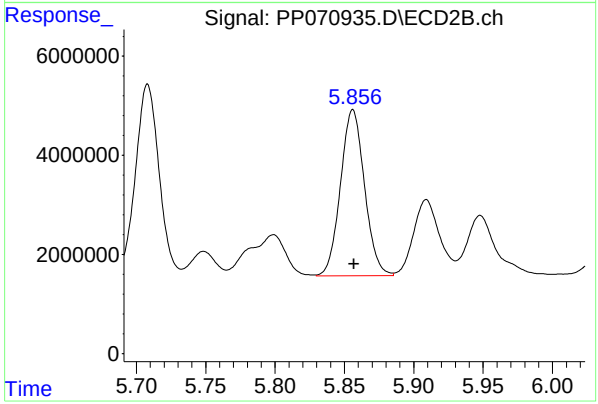
#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 46349687
Conc: 701.39 ng/ml



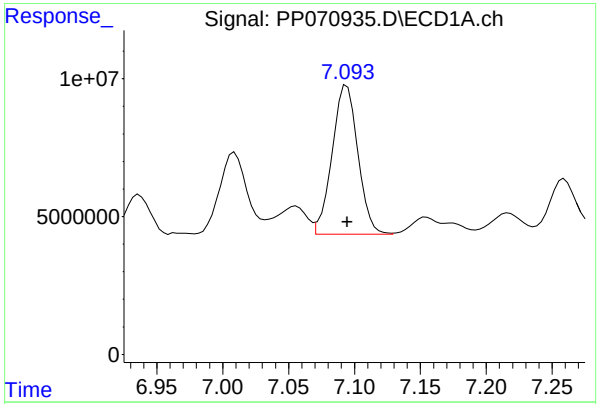
#27 AR-1254-2

R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 72785411
Conc: 714.97 ng/ml



#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 40339655
Conc: 710.29 ng/ml



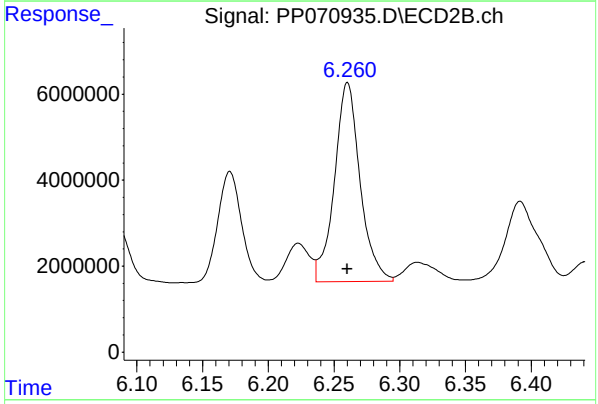
#28 AR-1254-3

R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 73541603
Conc: 739.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

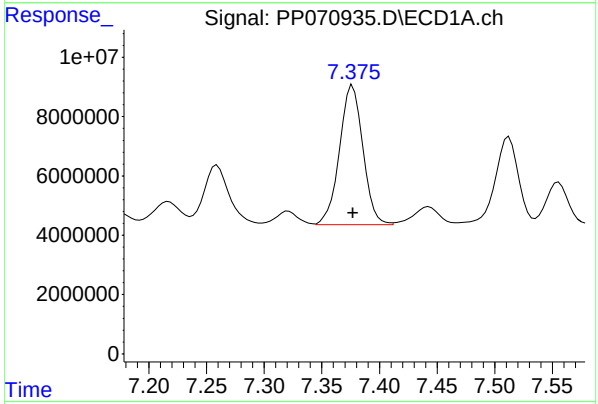
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



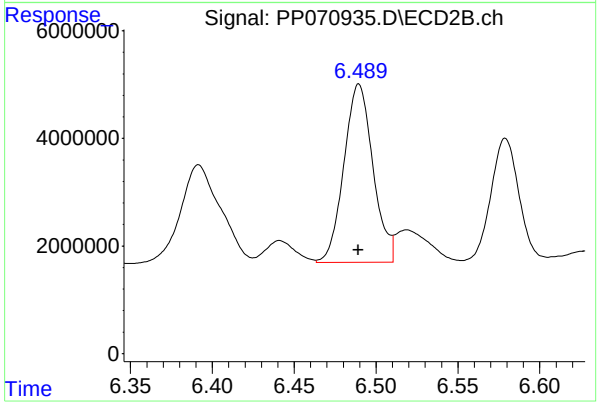
#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 62731680
Conc: 714.77 ng/ml



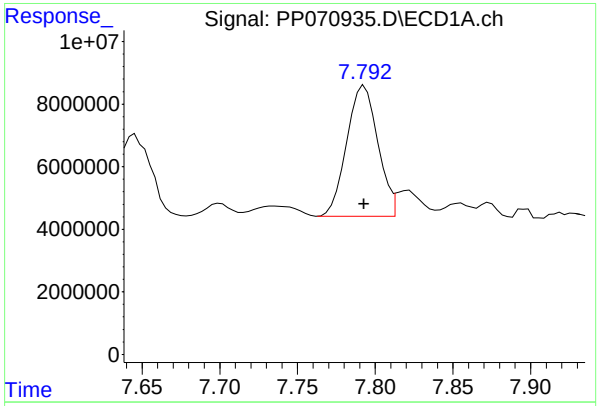
#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 65835410
Conc: 758.45 ng/ml



#29 AR-1254-4

R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 40961211
Conc: 731.88 ng/ml



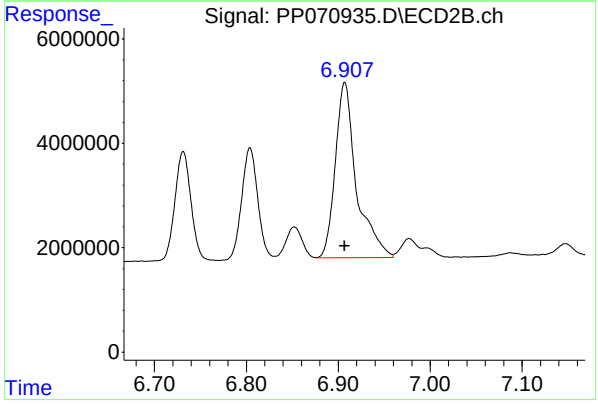
#30 AR-1254-5

R.T.: 7.792 min
Delta R.T.: -0.001 min
Response: 59278726
Conc: 733.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 53519032
Conc: 745.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:43
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	78787321	55428912	50.000	50.000
2)	SA Decachlor...	10.230	8.859	58420861	45541627	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.515	5.708	32735943	33041243	500.000	500.000
27)	L6 AR-1254-2	6.732	5.857	50901196	28396777	500.000	500.000
28)	L6 AR-1254-3	7.095	6.260	49708277	43882389	500.000	500.000
29)	L6 AR-1254-4	7.377	6.489	43401255	27983450	500.000	500.000
30)	L6 AR-1254-5	7.793	6.907	40427325	35912948	500.000	500.000

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

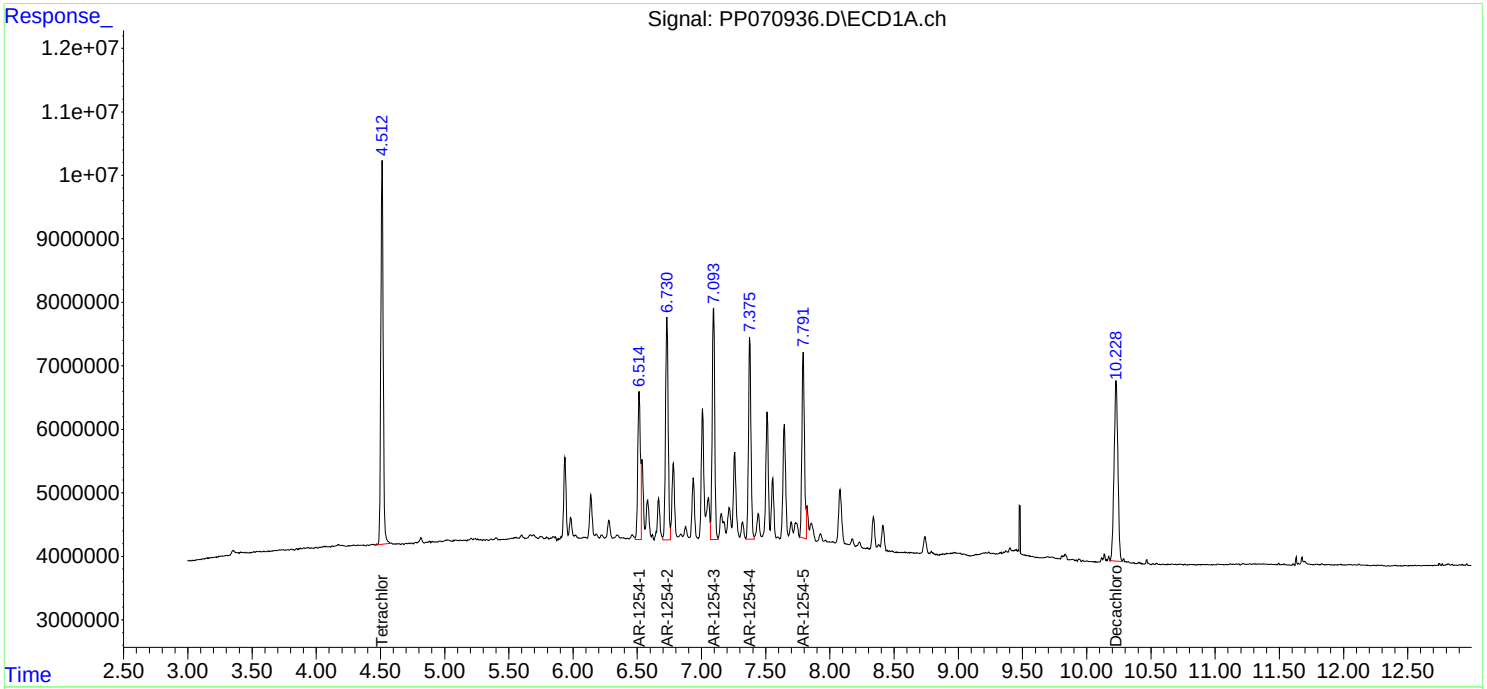
ICAL Form

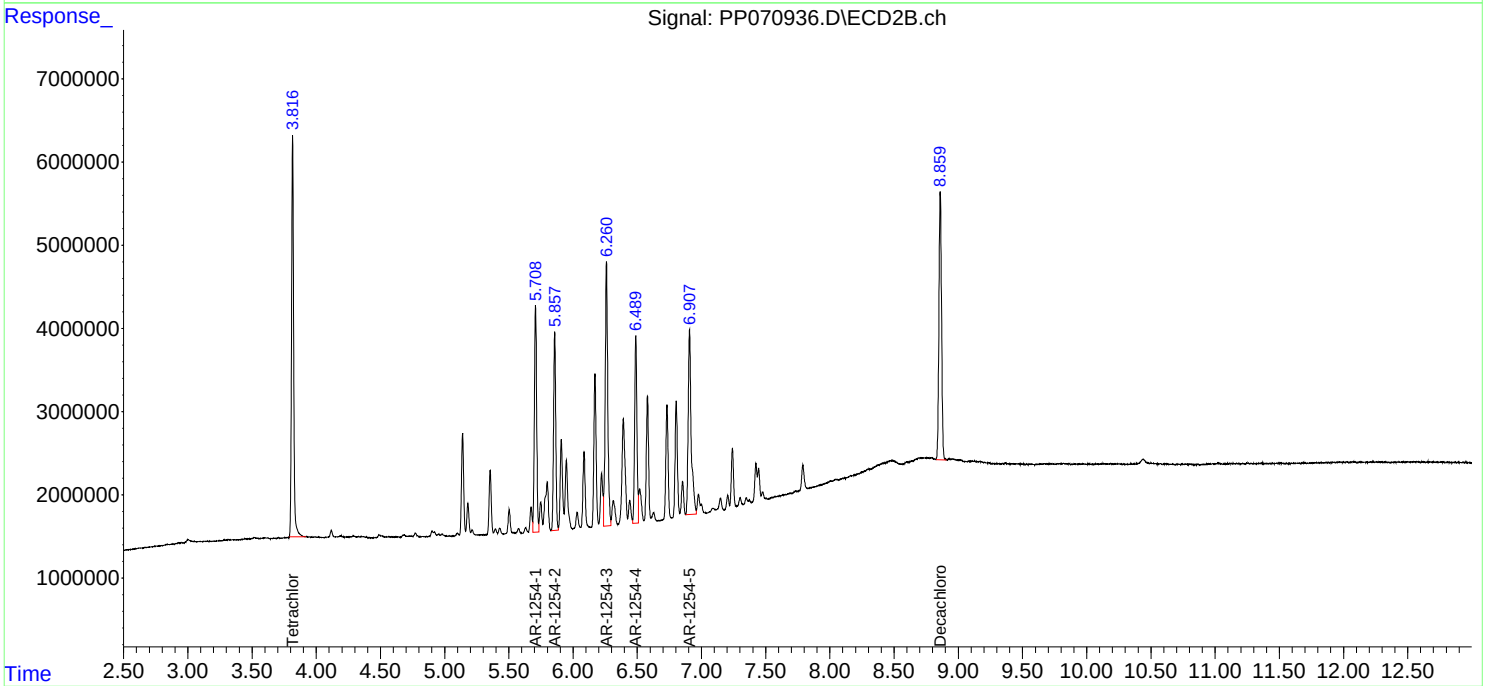
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:43
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

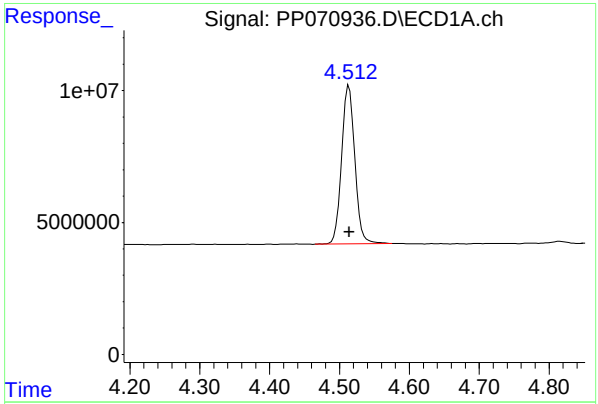
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



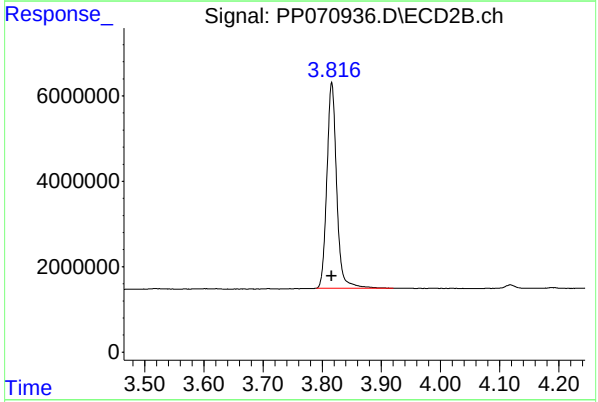




#1 Tetrachloro-m-xylene

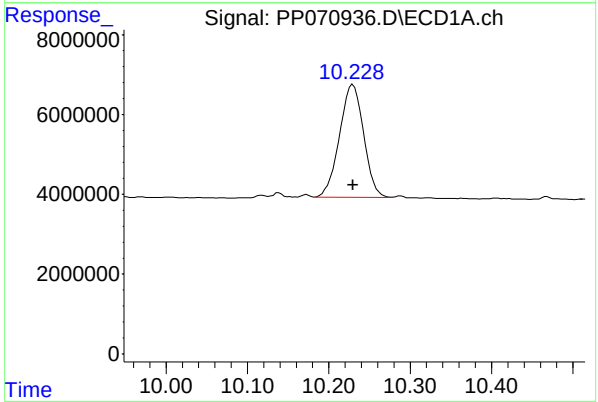
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 78787321
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



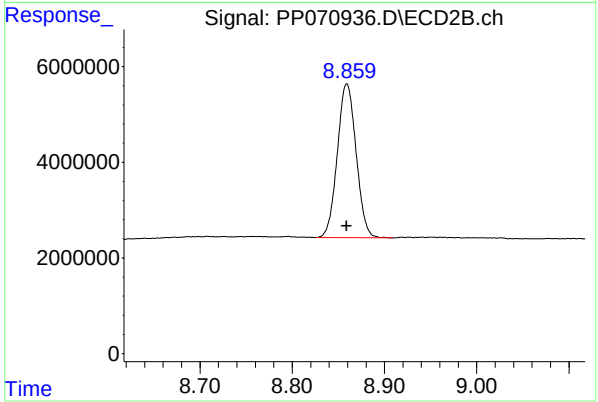
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55428912
Conc: 50.00 ng/ml



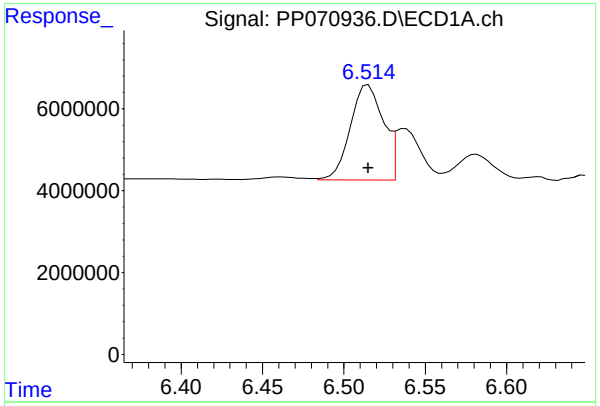
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 58420861
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

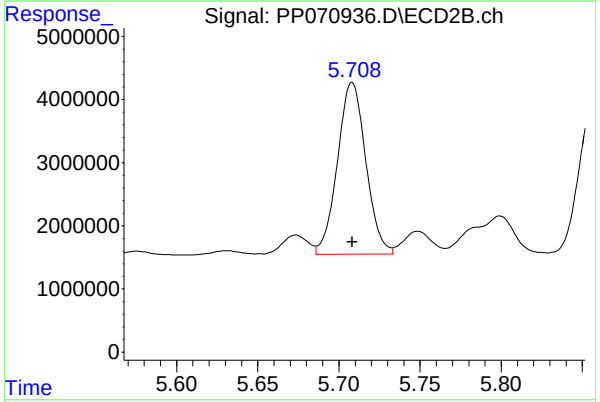
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 45541627
Conc: 50.00 ng/ml



#26 AR-1254-1

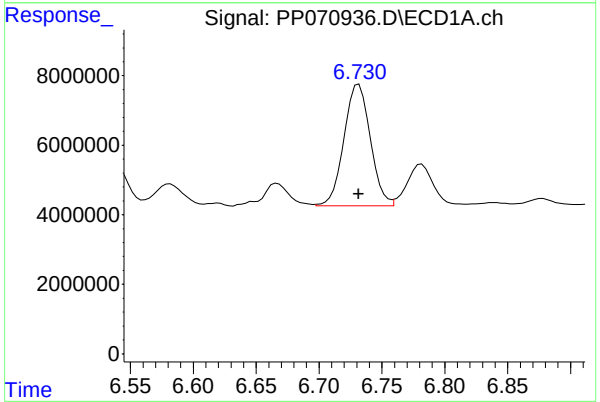
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 32735943
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



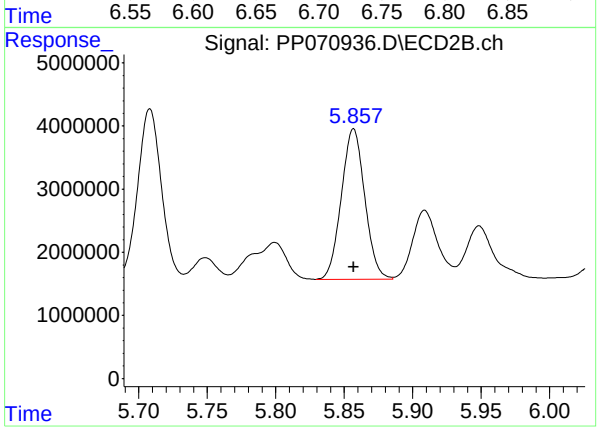
#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 33041243
Conc: 500.00 ng/ml



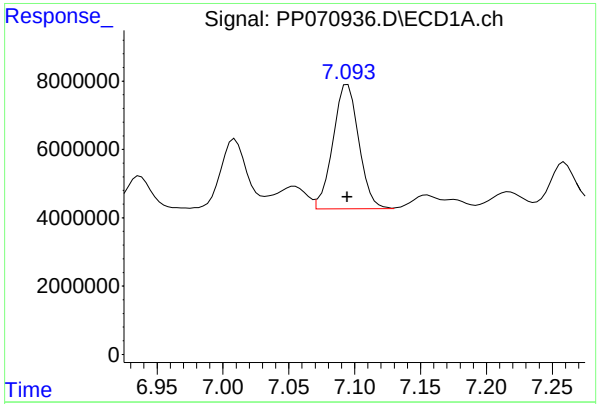
#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 50901196
Conc: 500.00 ng/ml



#27 AR-1254-2

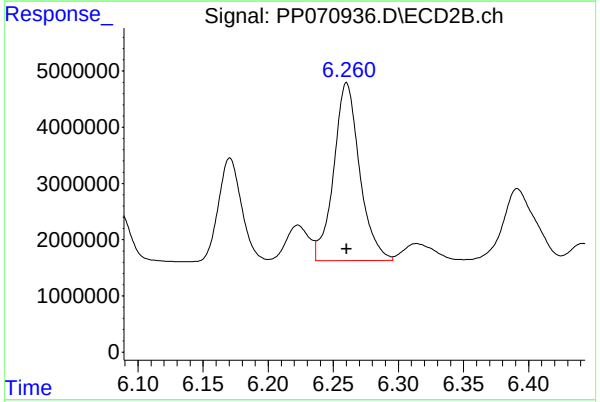
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 28396777
Conc: 500.00 ng/ml



#28 AR-1254-3

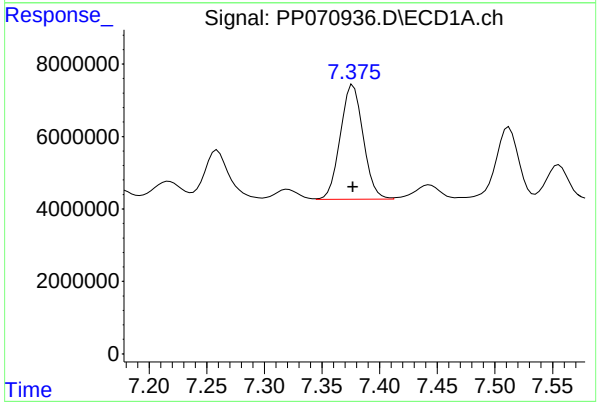
R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 49708277
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



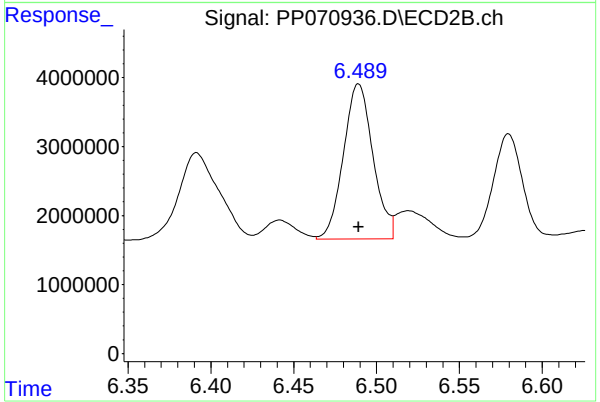
#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 43882389
Conc: 500.00 ng/ml



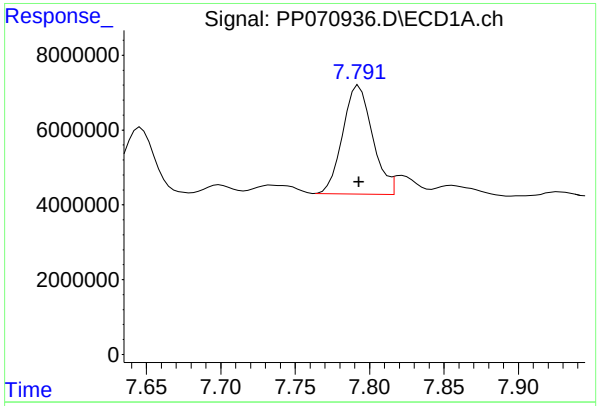
#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 43401255
Conc: 500.00 ng/ml



#29 AR-1254-4

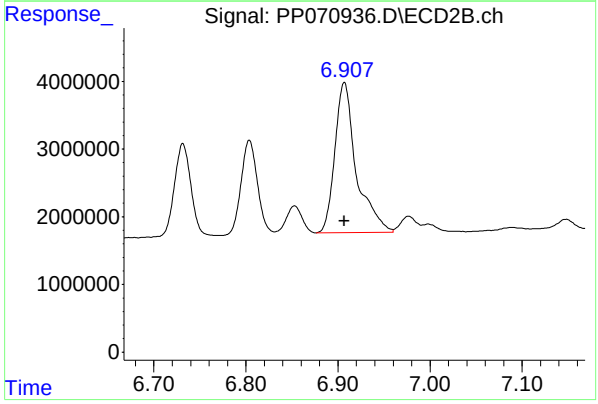
R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 27983450
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 40427325
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 35912948
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:00
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	40672603	29879101	25.812	26.953
2)	SA Decachlor...	10.230	8.859	29858259	21257096	25.554	23.338
	Target Compounds						
26)	L6 AR-1254-1	6.516	5.708	16701604	18446961	255.096	279.151
27)	L6 AR-1254-2	6.732	5.856	26389026	16008677	259.218	281.875
28)	L6 AR-1254-3	7.095	6.260	25960285	24772594	261.126	282.261
29)	L6 AR-1254-4	7.377	6.489	22197209	16043587	255.721	286.662
30)	L6 AR-1254-5	7.791	6.907	20989646	20606411	259.597m	286.894

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:00
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

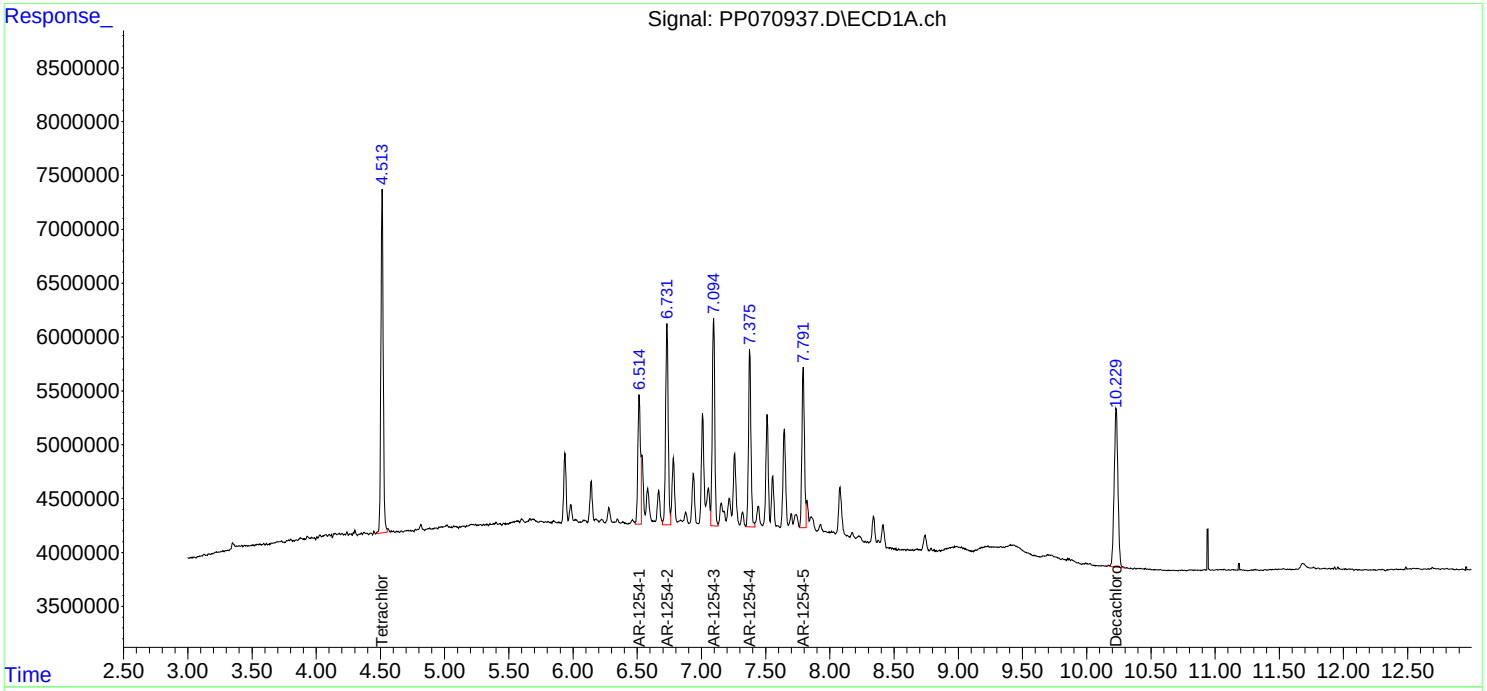
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

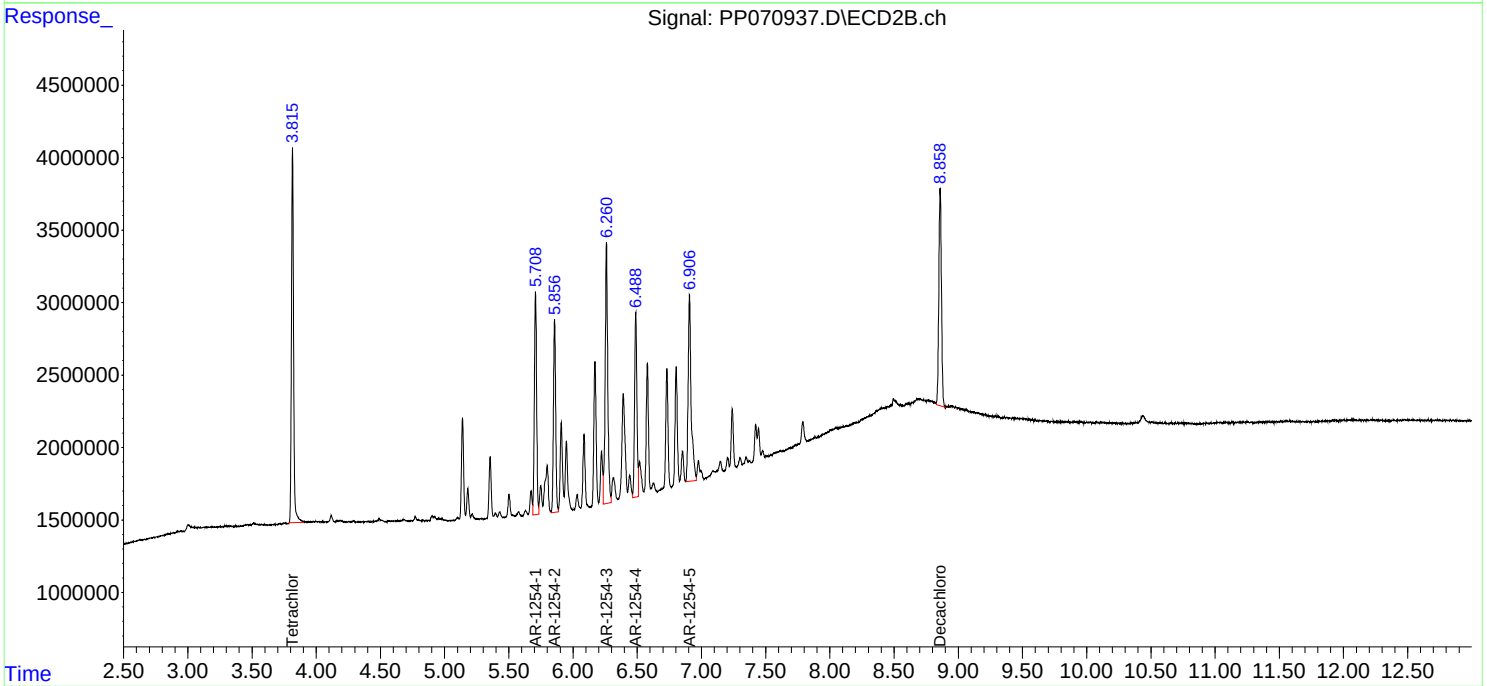
Manual Integrations APPROVED

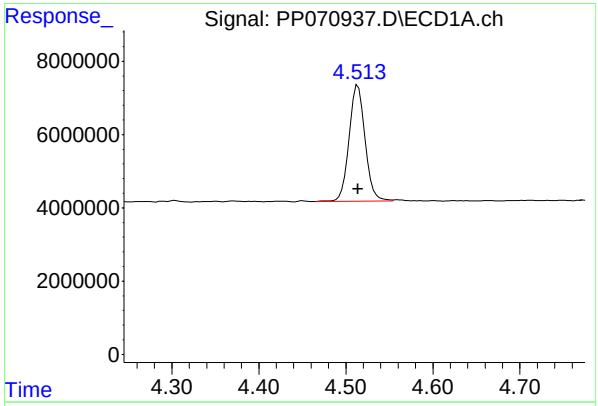
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







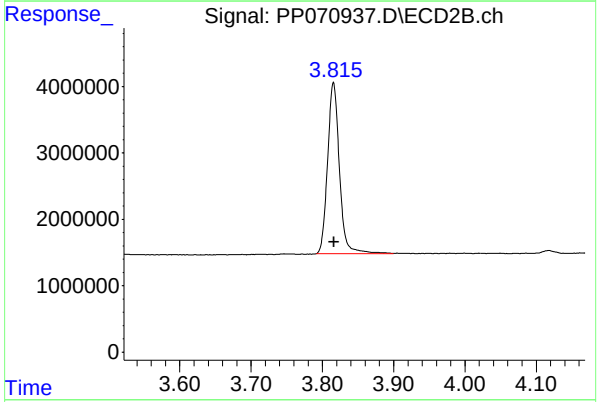
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 40672603
Conc: 25.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

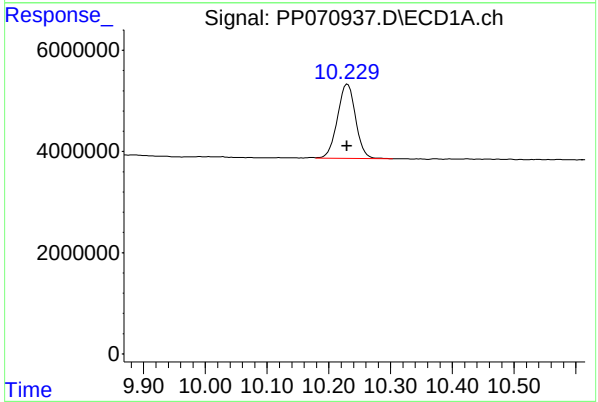
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



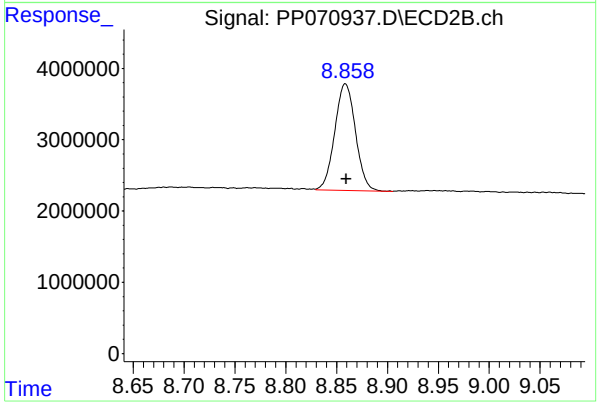
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 29879101
Conc: 26.95 ng/ml



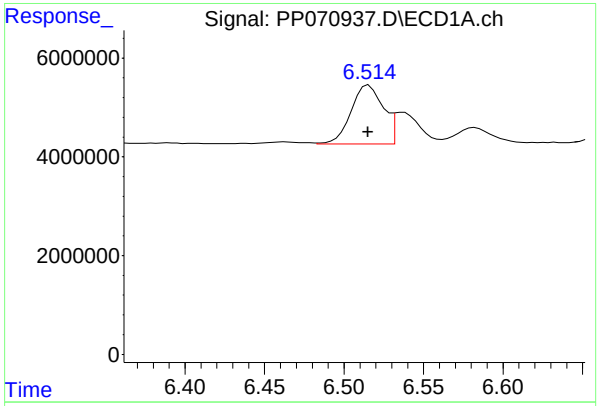
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 29858259
Conc: 25.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 21257096
Conc: 23.34 ng/ml



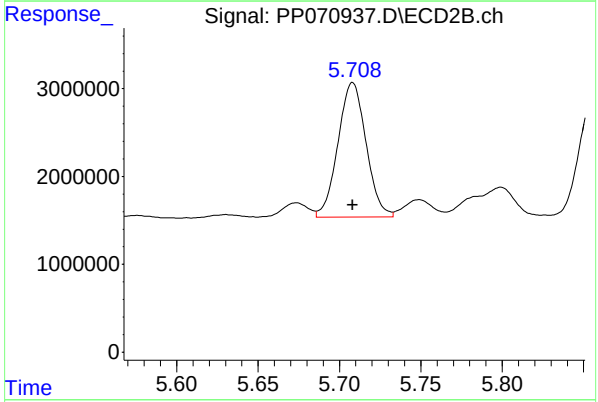
#26 AR-1254-1

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 16701604
Conc: 255.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

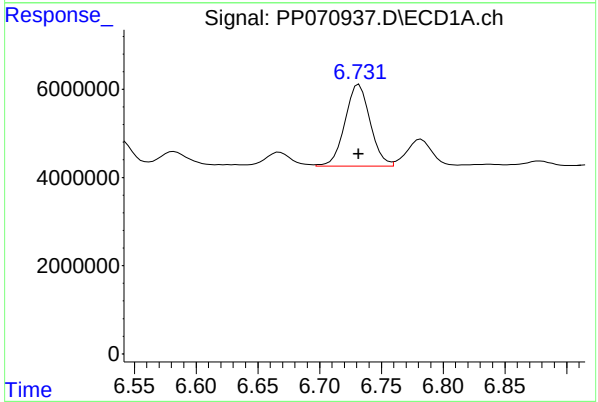
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



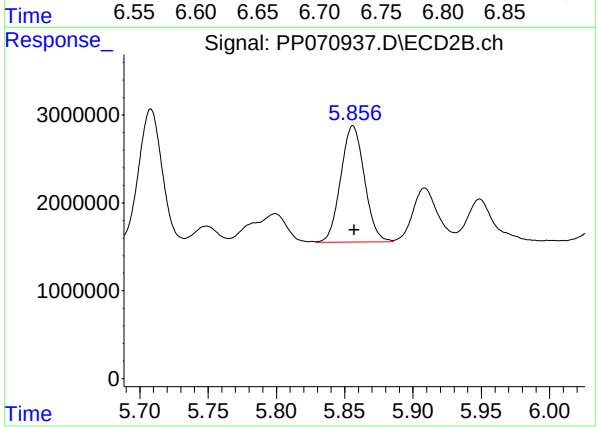
#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 18446961
Conc: 279.15 ng/ml



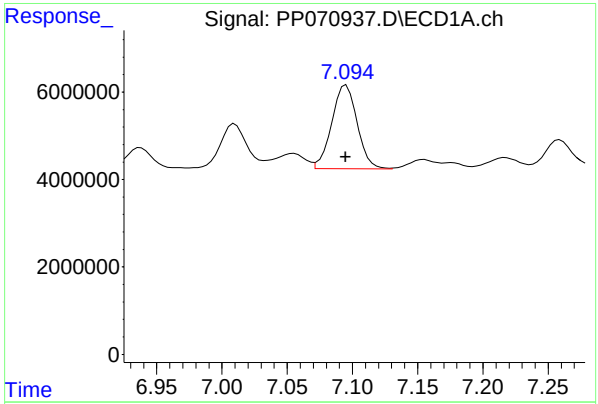
#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 26389026
Conc: 259.22 ng/ml



#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 16008677
Conc: 281.87 ng/ml



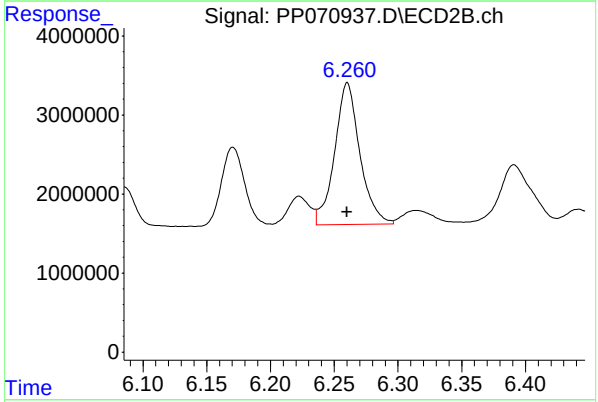
#28 AR-1254-3

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 25960285
Conc: 261.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

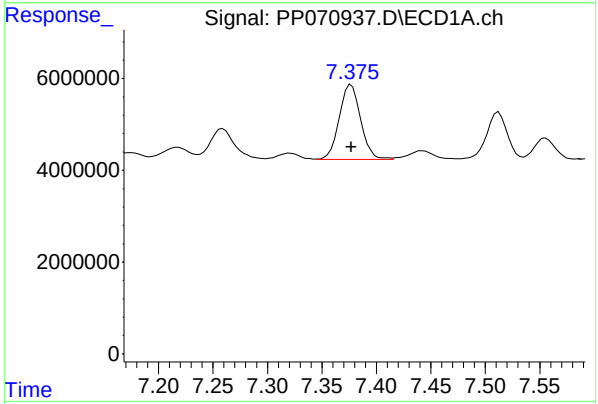
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



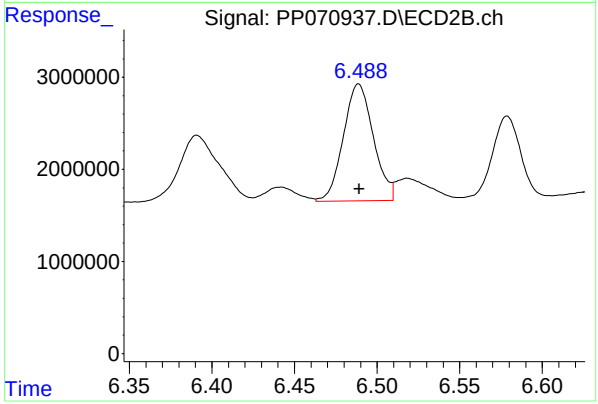
#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 24772594
Conc: 282.26 ng/ml



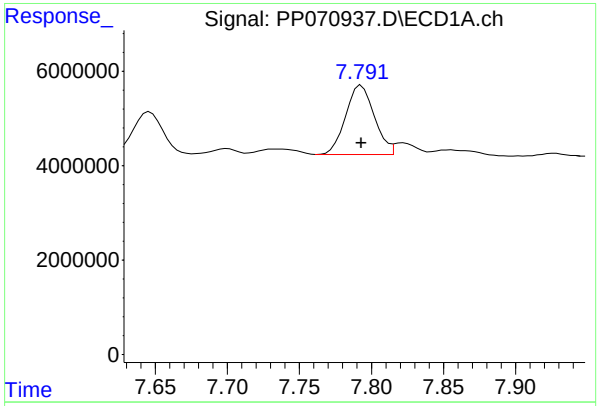
#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 22197209
Conc: 255.72 ng/ml



#29 AR-1254-4

R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 16043587
Conc: 286.66 ng/ml



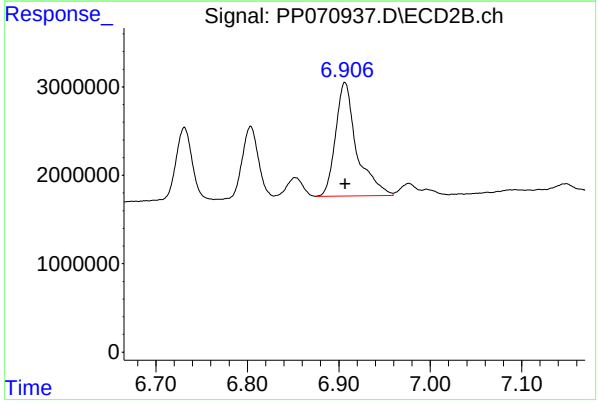
#30 AR-1254-5

R.T.: 7.791 min
Delta R.T.: -0.001 min
Response: 20989646
Conc: 259.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 20606411
Conc: 286.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:16
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.816	6508593	5336776	4.107	4.715
2)	SA Decachlor...	10.232	8.861	5177583	3796388	4.429	4.454
	Target Compounds						
26)	L6 AR-1254-1	6.516	5.708	3322396	3474548	51.023	51.687
27)	L6 AR-1254-2	6.733	5.857	5410437	3036515	53.321	52.169
28)	L6 AR-1254-3	7.096	6.261	5249564	4313044	52.267	47.835
29)	L6 AR-1254-4	7.378	6.490	4268685	2787399	48.623	47.851
30)	L6 AR-1254-5	7.794	6.907	4173507	3458194	51.345	45.985

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

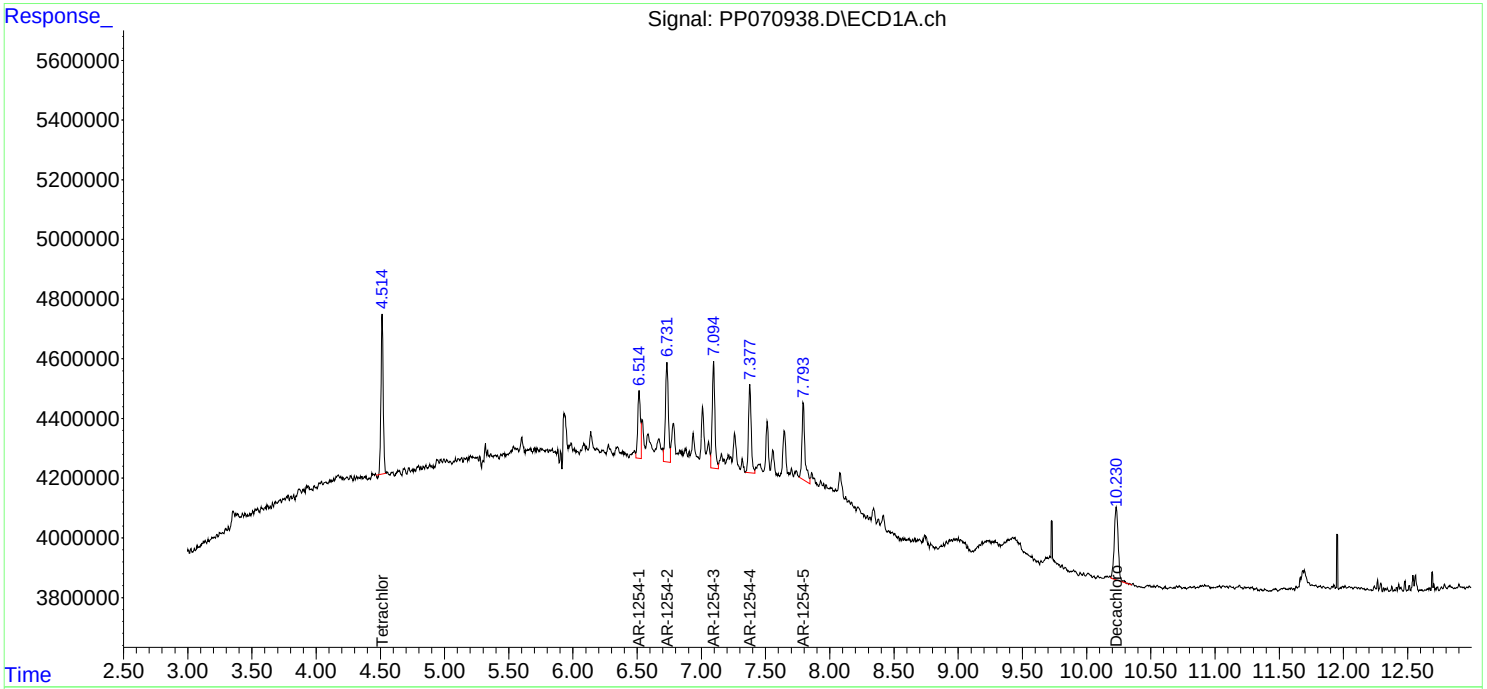
ICAL Form

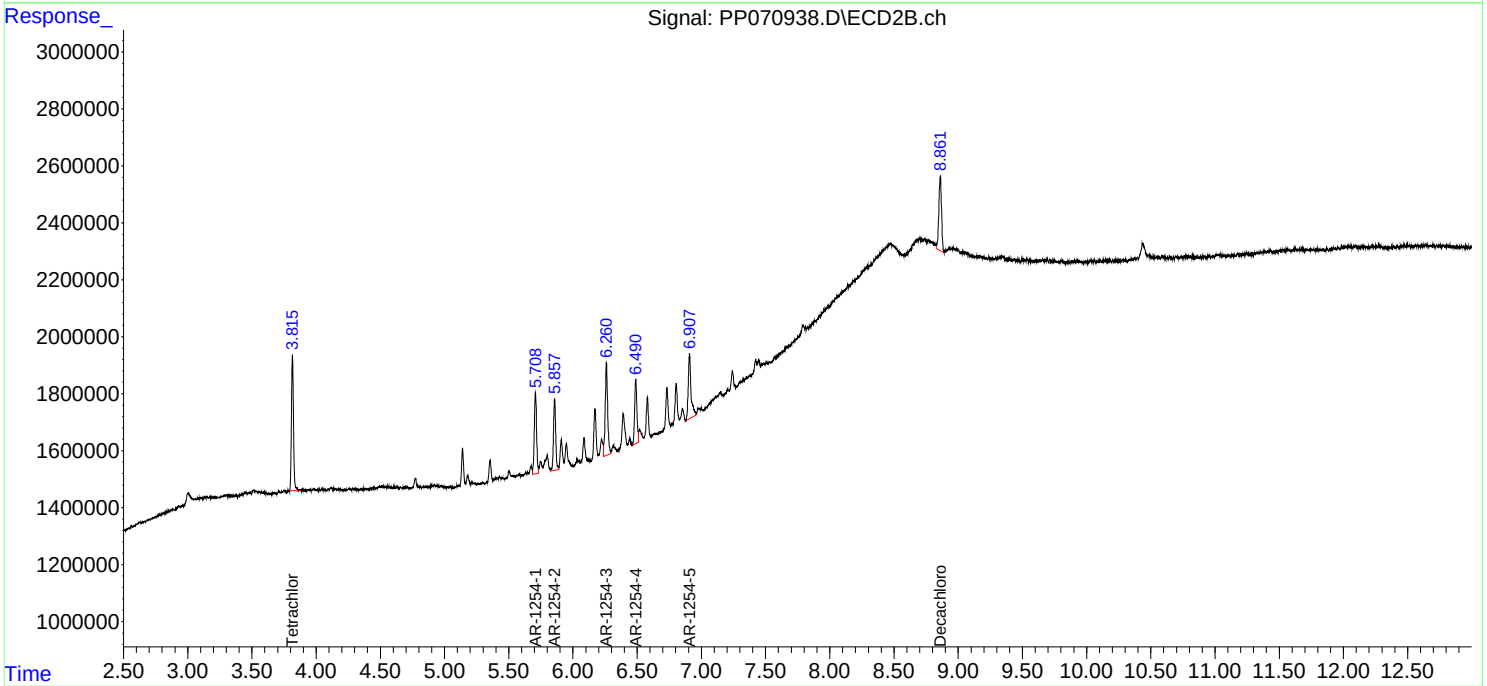
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:16
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

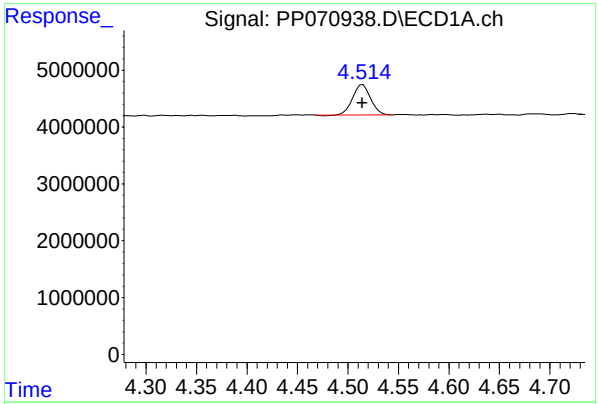
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



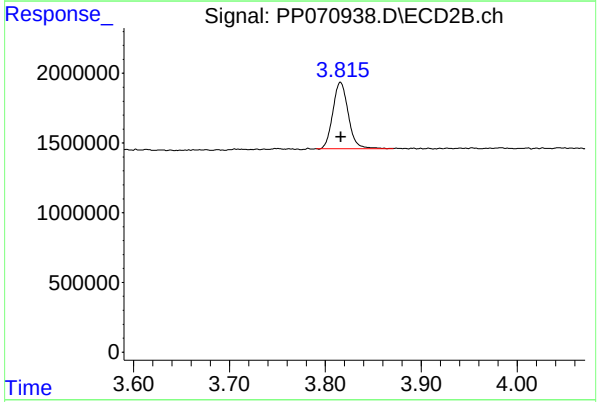




#1 Tetrachloro-m-xylene

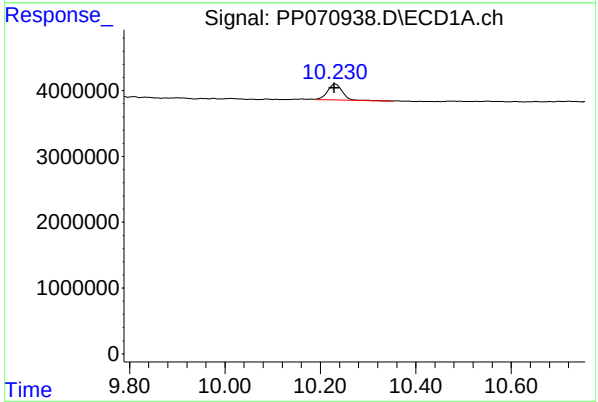
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 6508593
Conc: 4.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



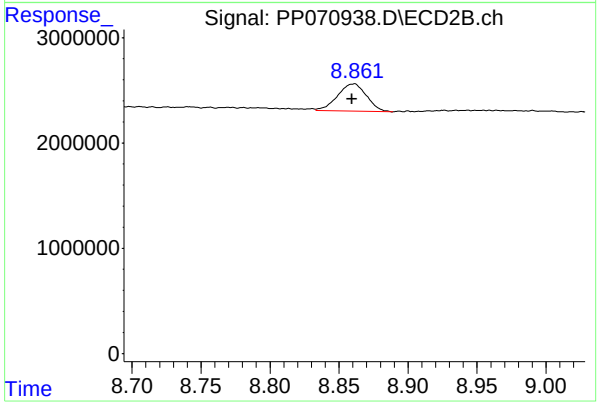
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 5336776
Conc: 4.72 ng/ml



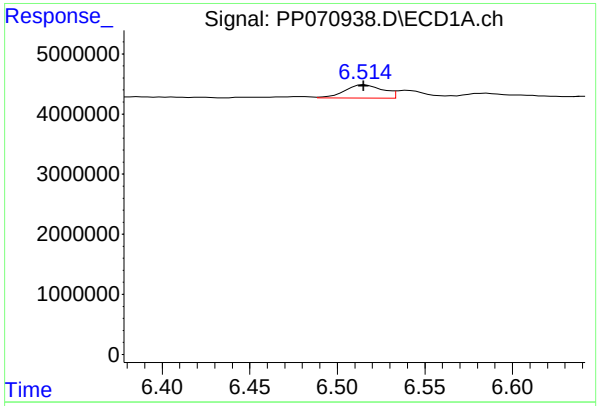
#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.002 min
Response: 5177583
Conc: 4.43 ng/ml



#2 Decachlorobiphenyl

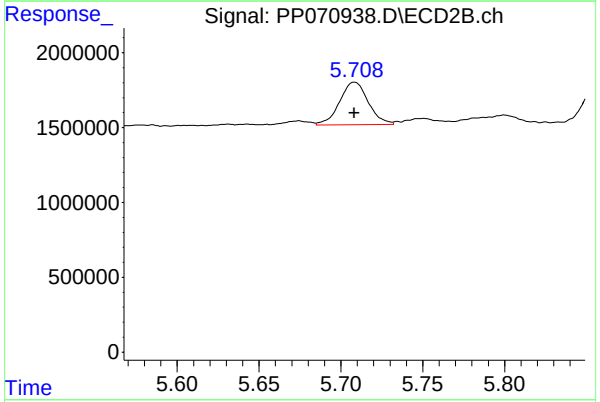
R.T.: 8.861 min
Delta R.T.: 0.001 min
Response: 3796388
Conc: 4.45 ng/ml



#26 AR-1254-1

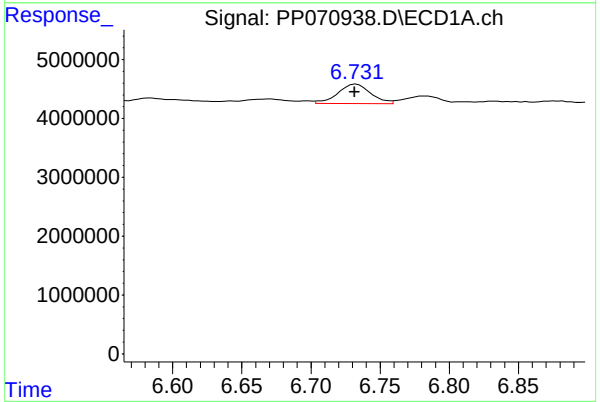
R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 3322396
Conc: 51.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



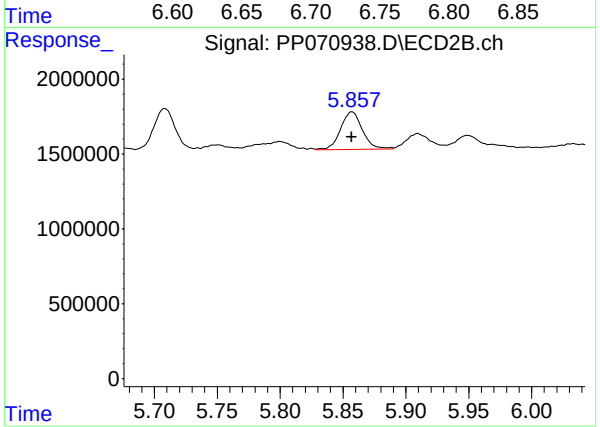
#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 3474548
Conc: 51.69 ng/ml



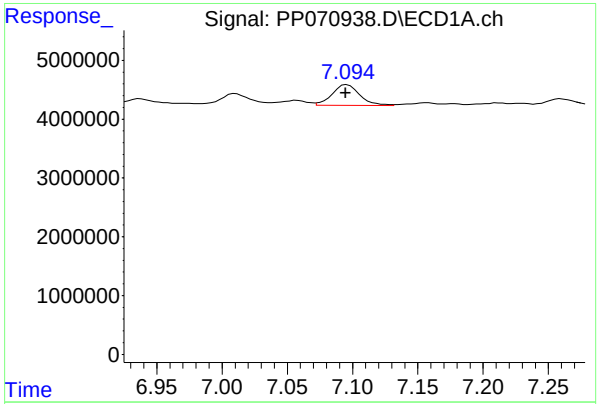
#27 AR-1254-2

R.T.: 6.733 min
Delta R.T.: 0.001 min
Response: 5410437
Conc: 53.32 ng/ml



#27 AR-1254-2

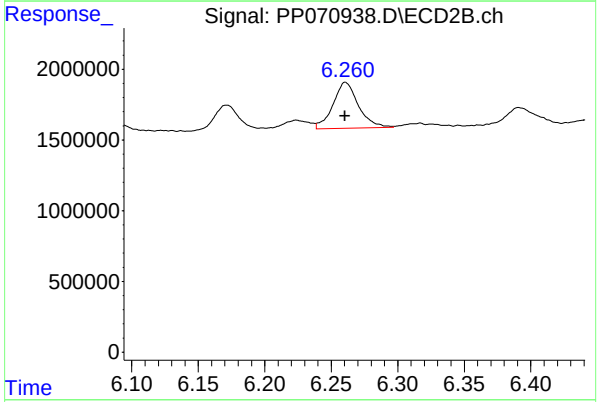
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 3036515
Conc: 52.17 ng/ml



#28 AR-1254-3

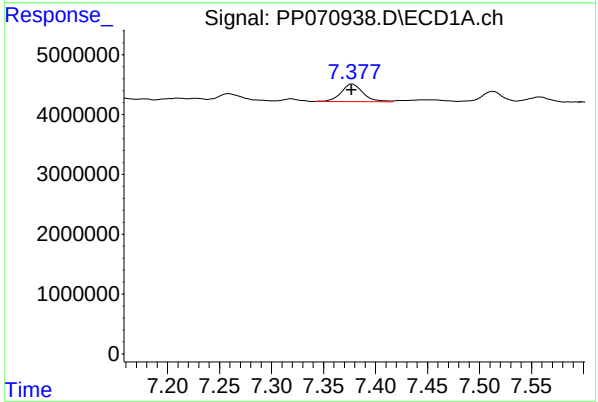
R.T.: 7.096 min
Delta R.T.: 0.001 min
Response: 5249564
Conc: 52.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



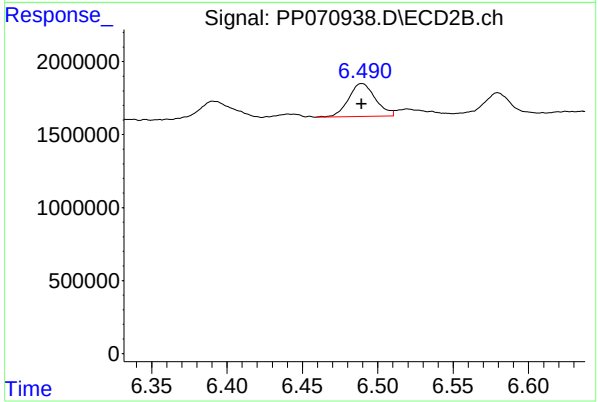
#28 AR-1254-3

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 4313044
Conc: 47.83 ng/ml



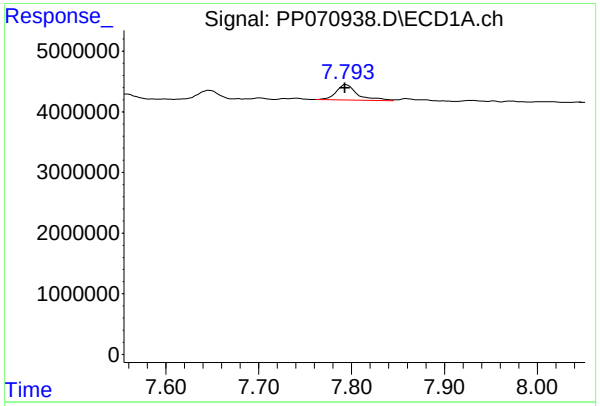
#29 AR-1254-4

R.T.: 7.378 min
Delta R.T.: 0.001 min
Response: 4268685
Conc: 48.62 ng/ml



#29 AR-1254-4

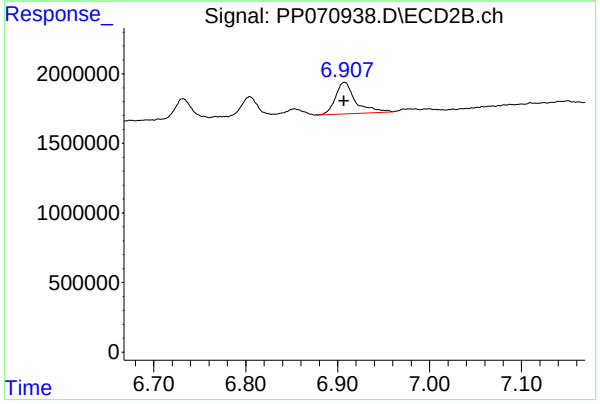
R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 2787399
Conc: 47.85 ng/ml



#30 AR-1254-5

R.T.: 7.794 min
Delta R.T.: 0.002 min
Response: 4173507
Conc: 51.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 3458194
Conc: 45.98 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:32
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:04:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.512	3.816	78302128	53762587	50.000	50.000
2)	SA Decachlor...	10.226	8.859	57984668	42902548	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.093	6.945	53150122	42781773	500.000	500.000
37)	L8 AR-1262-2	8.412	7.205	99191436	34232243	500.000	500.000
38)	L8 AR-1262-3	8.729	7.729	65870896	30361758	500.000	500.000
39)	L8 AR-1262-4	8.817	7.793	47807443	49703360	500.000	500.000
40)	L8 AR-1262-5	9.469	8.294	32533206	23435811	500.000	500.000

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

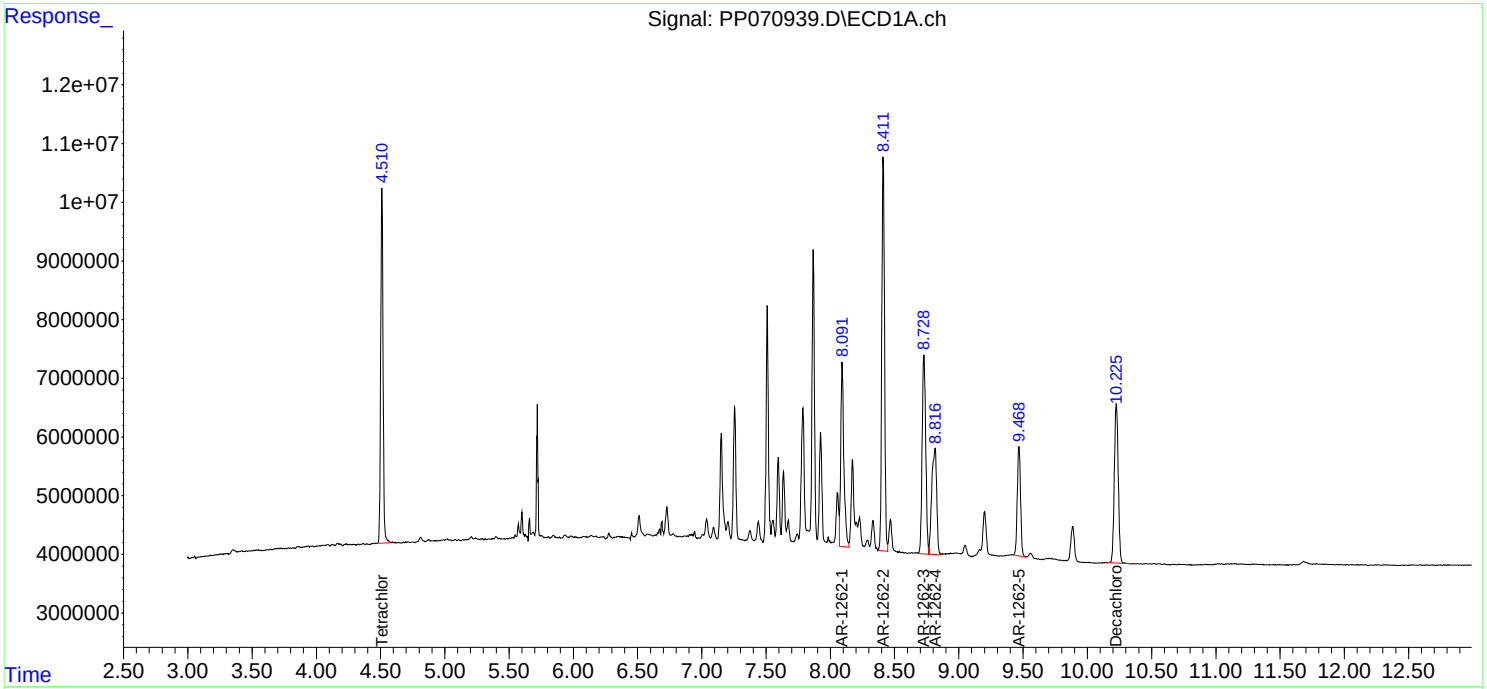
ICAL Form

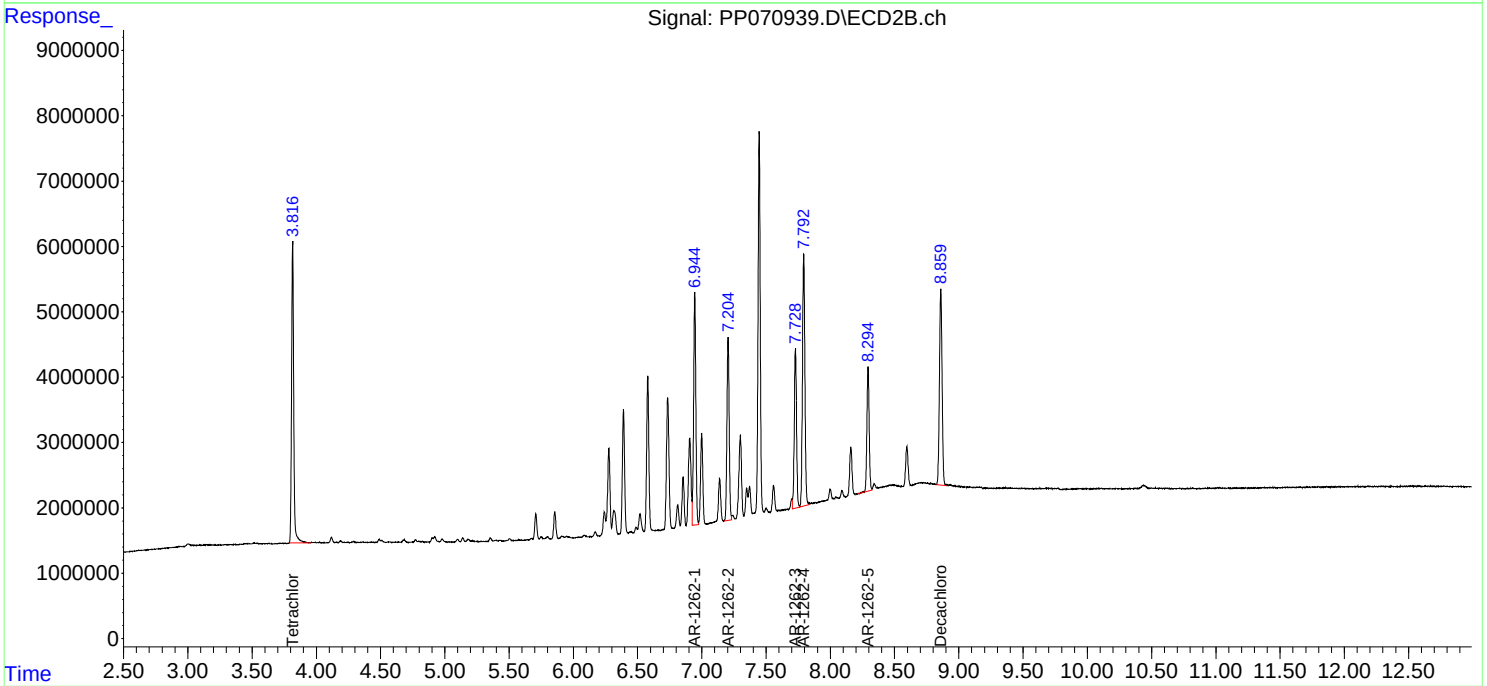
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:32
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

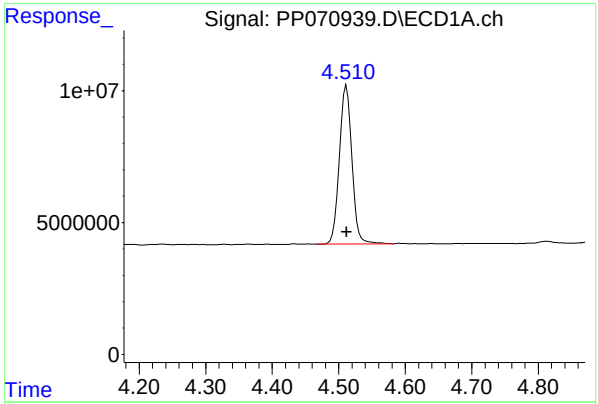
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:04:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



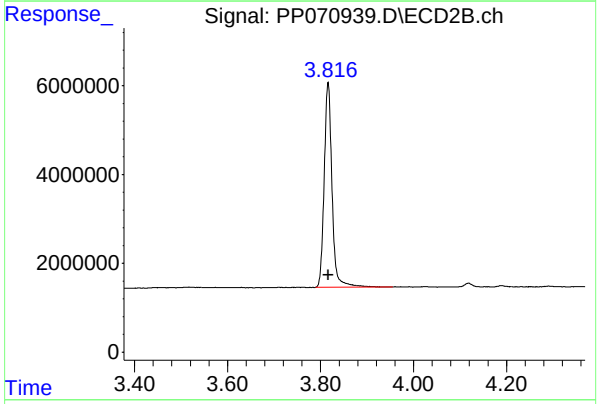




#1 Tetrachloro-m-xylene

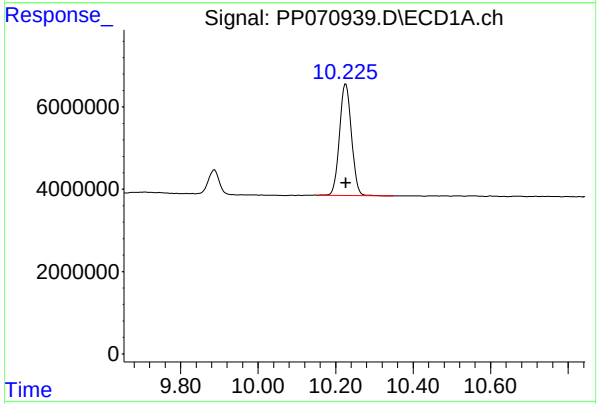
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 78302128
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



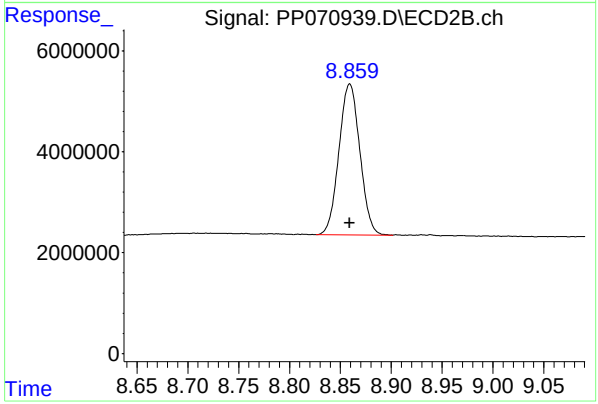
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 53762587
Conc: 50.00 ng/ml



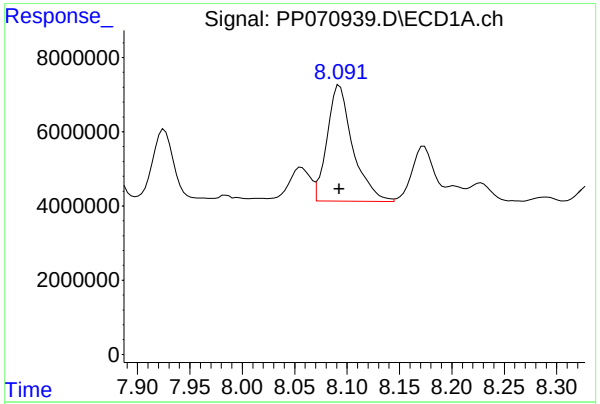
#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 57984668
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

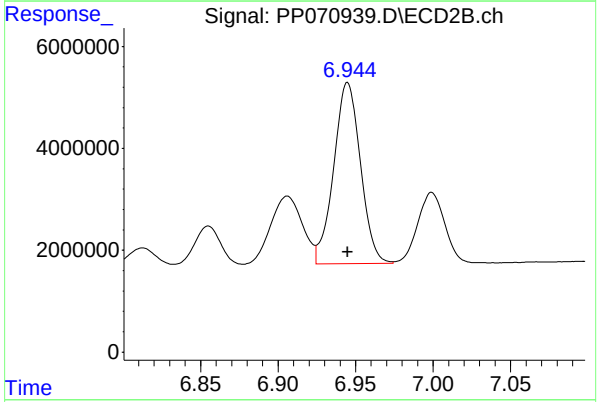
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 42902548
Conc: 50.00 ng/ml



#36 AR-1262-1

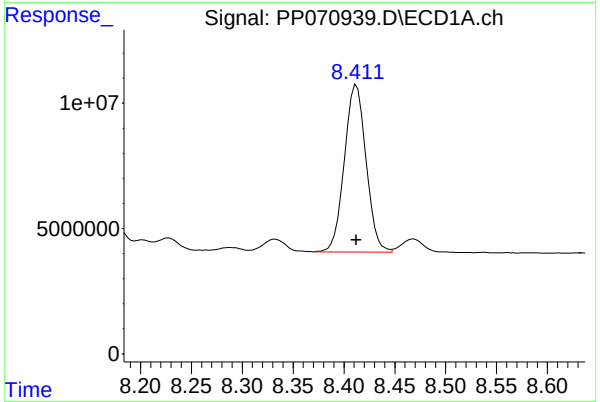
R.T.: 8.093 min
Delta R.T.: 0.000 min
Response: 53150122
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



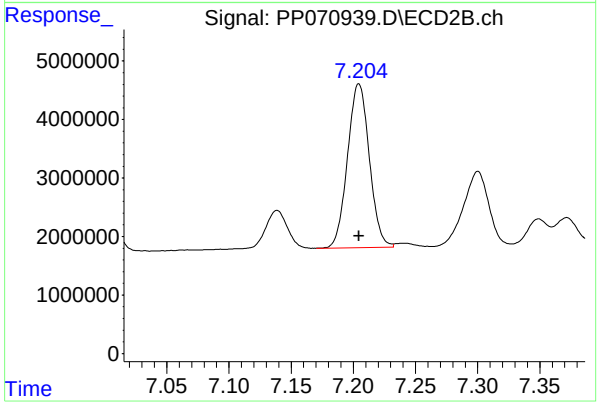
#36 AR-1262-1

R.T.: 6.945 min
Delta R.T.: 0.000 min
Response: 42781773
Conc: 500.00 ng/ml



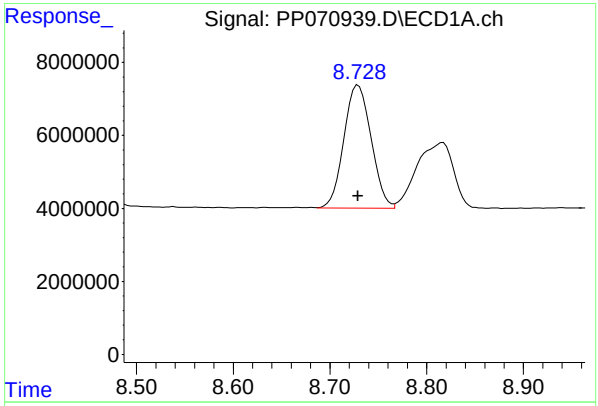
#37 AR-1262-2

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 99191436
Conc: 500.00 ng/ml



#37 AR-1262-2

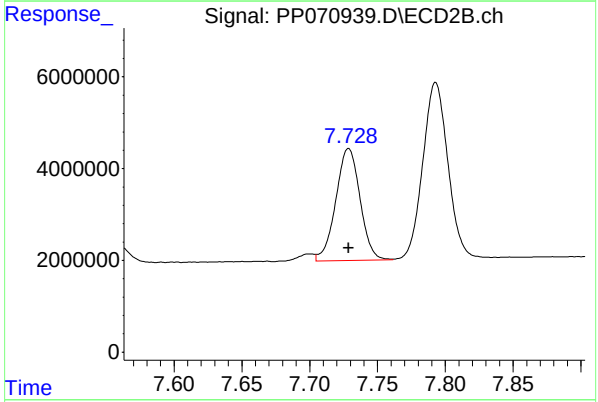
R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 34232243
Conc: 500.00 ng/ml



#38 AR-1262-3

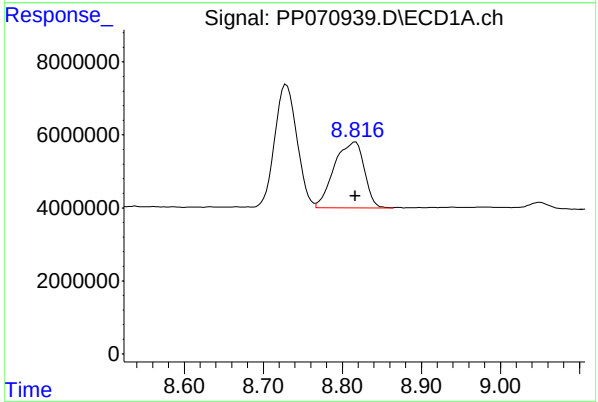
R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 65870896
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



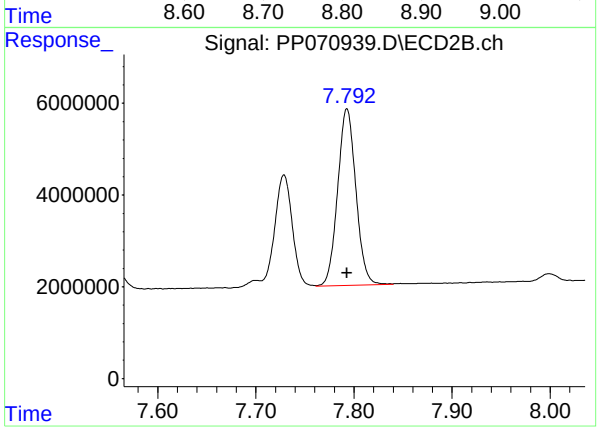
#38 AR-1262-3

R.T.: 7.729 min
Delta R.T.: 0.000 min
Response: 30361758
Conc: 500.00 ng/ml



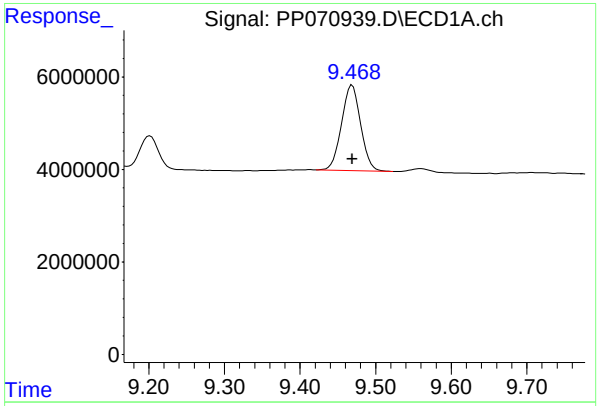
#39 AR-1262-4

R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 47807443
Conc: 500.00 ng/ml



#39 AR-1262-4

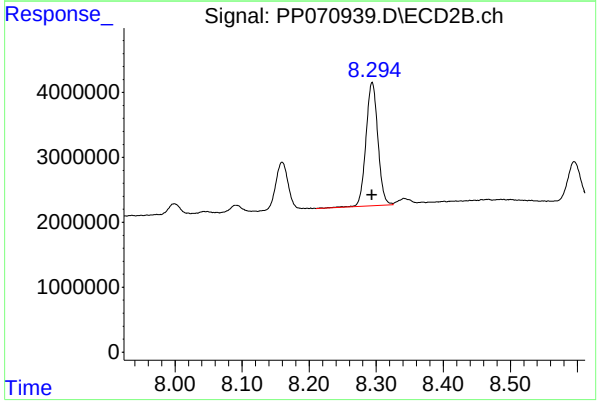
R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 49703360
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.469 min
Delta R.T.: 0.000 mi
Response: 32533206
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 23435811
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:48
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.516	3.817	152.3E6	105.1E6	94.769	94.009
2)	SA Decachlor...	10.232	8.860	195.7E6	148.5E6	93.377	94.968
	Target Compounds						
41)	L9 AR-1268-1	8.730	7.729	226.6E6	165.4E6	945.404	946.509m
42)	L9 AR-1268-2	8.824	7.795	190.4E6	137.8E6	950.797	945.407
43)	L9 AR-1268-3	9.056	8.001	163.6E6	120.1E6	940.749	965.766
44)	L9 AR-1268-4	9.474	8.295	70377008	51096977	960.945	957.859
45)	L9 AR-1268-5	9.891	8.596	459.6E6	357.1E6	952.414	962.556

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:48
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

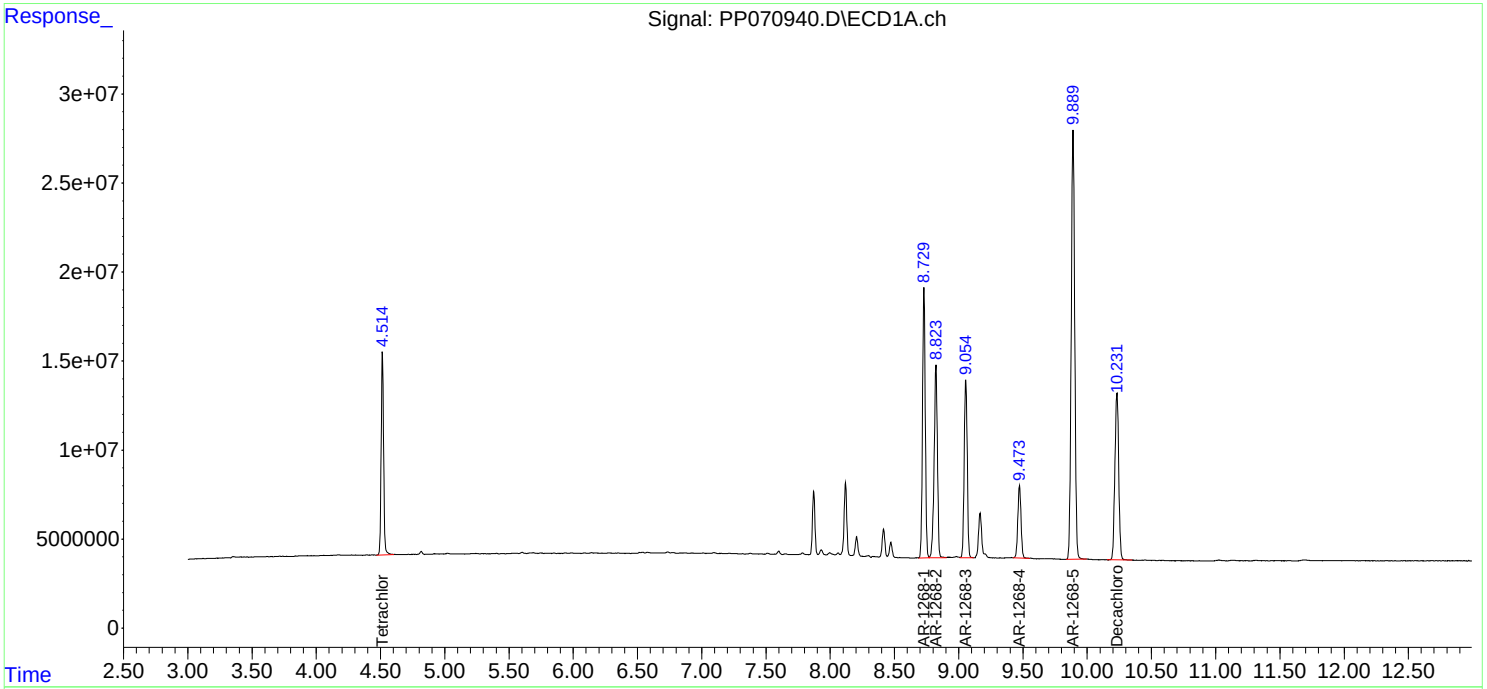
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

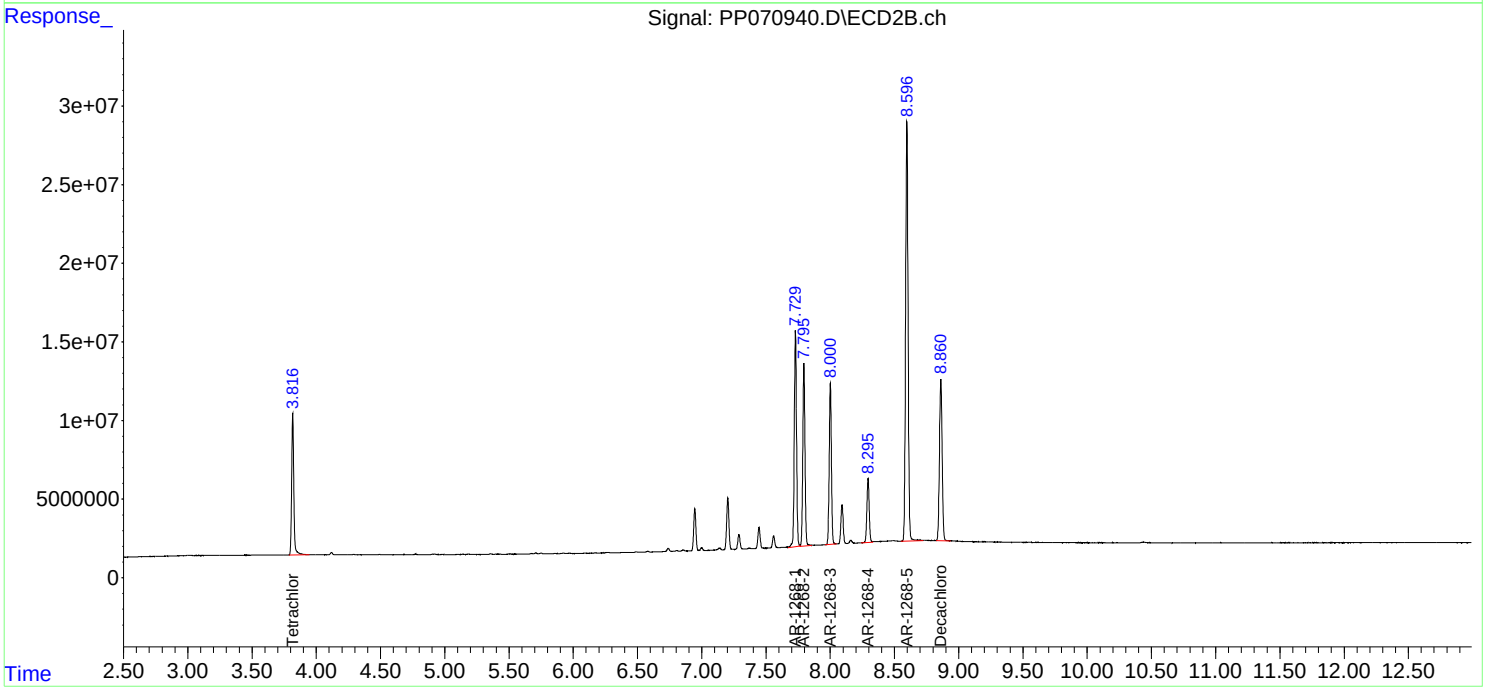
Manual Integrations APPROVED

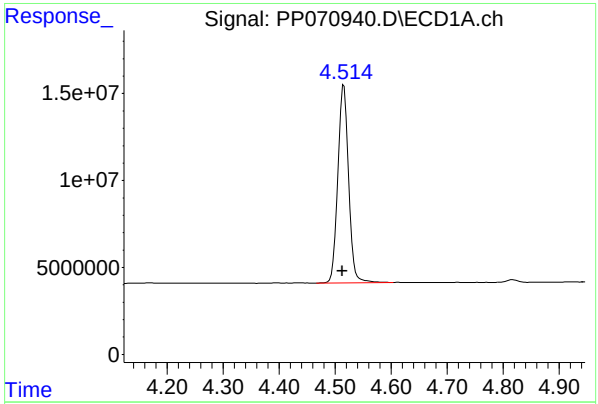
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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







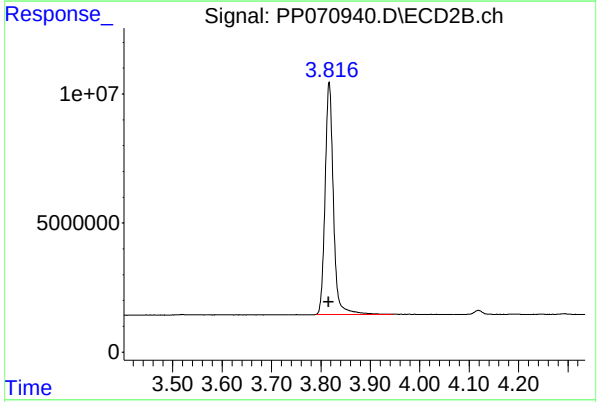
#1 Tetrachloro-m-xylene

R.T.: 4.516 min
Delta R.T.: 0.003 min
Response: 152348529
Conc: 94.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

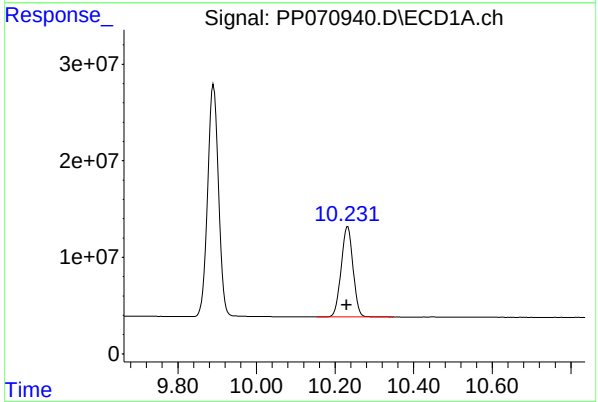
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



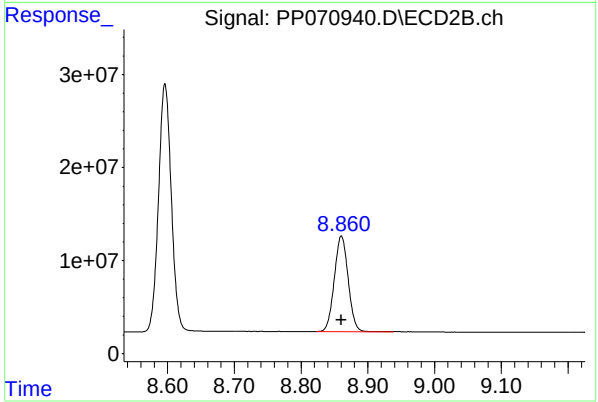
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 105128984
Conc: 94.01 ng/ml



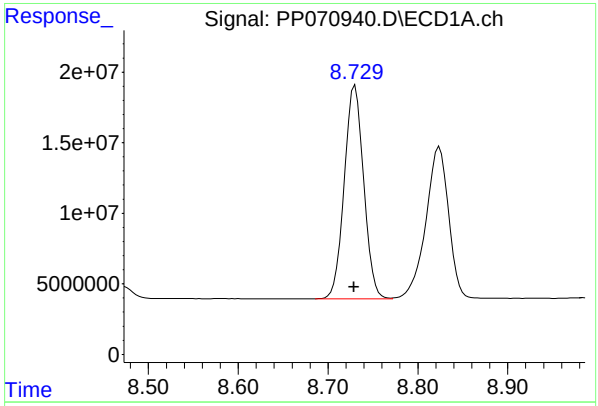
#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.003 min
Response: 195698435
Conc: 93.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 148482089
Conc: 94.97 ng/ml



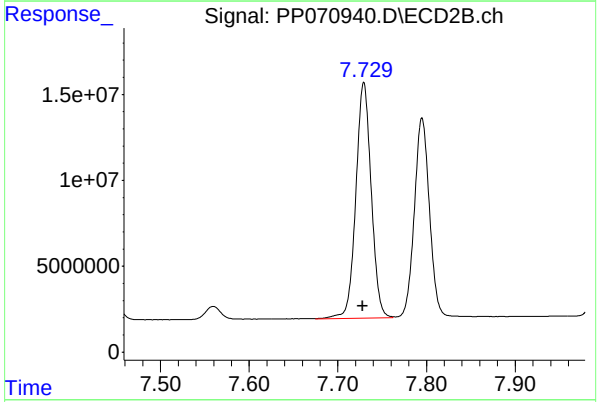
#41 AR-1268-1

R.T.: 8.730 min
Delta R.T.: 0.001 mi
Response: 226575551
Conc: 945.40 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

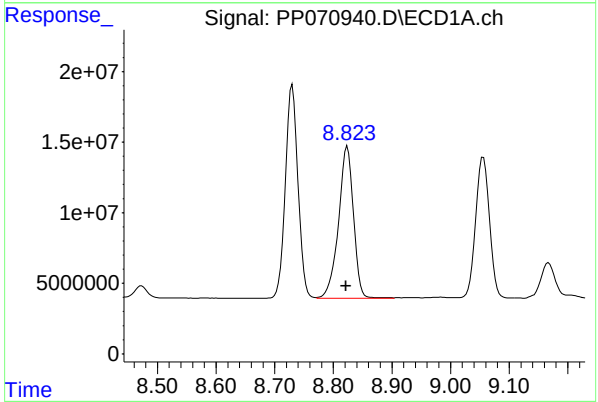
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



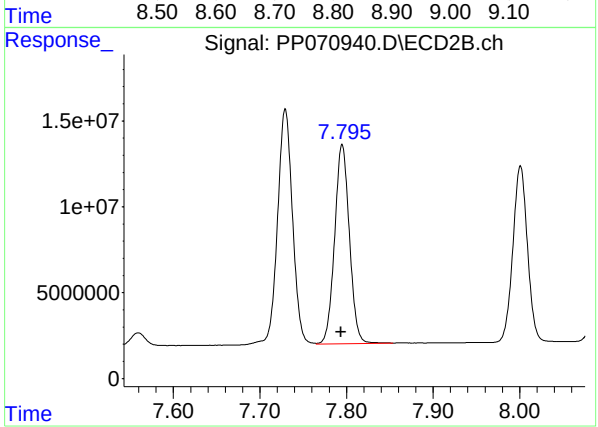
#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.001 min
Response: 165356134
Conc: 946.51 ng/ml m



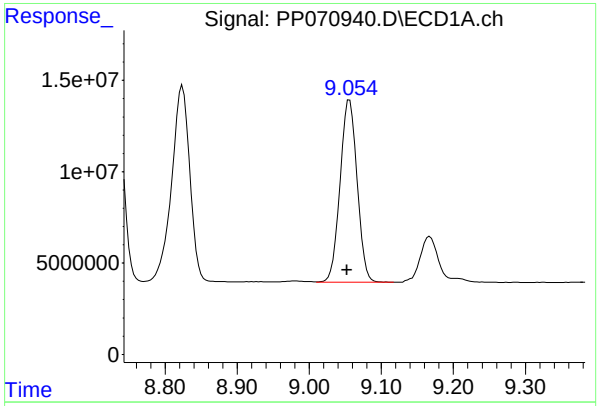
#42 AR-1268-2

R.T.: 8.824 min
Delta R.T.: 0.003 min
Response: 190380276
Conc: 950.80 ng/ml



#42 AR-1268-2

R.T.: 7.795 min
Delta R.T.: 0.001 min
Response: 137801505
Conc: 945.41 ng/ml



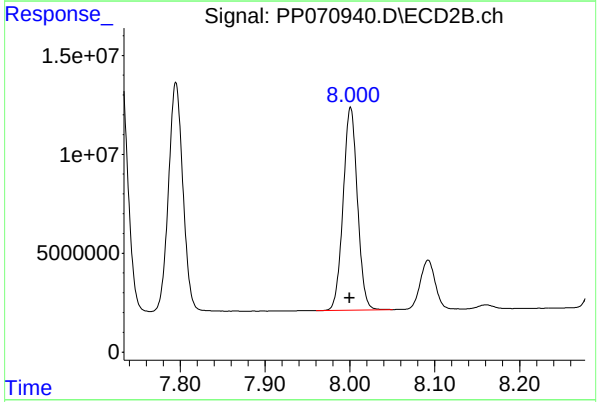
#43 AR-1268-3

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 163648333
Conc: 940.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

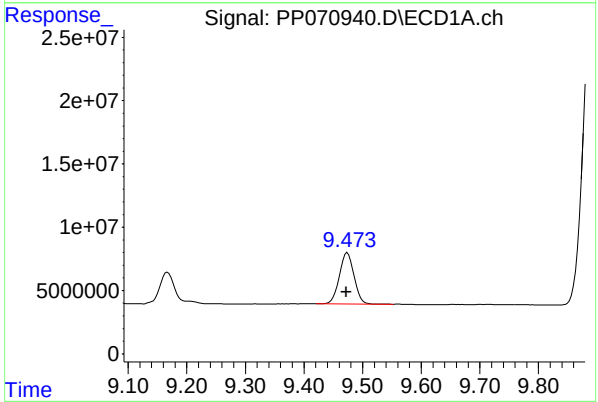
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



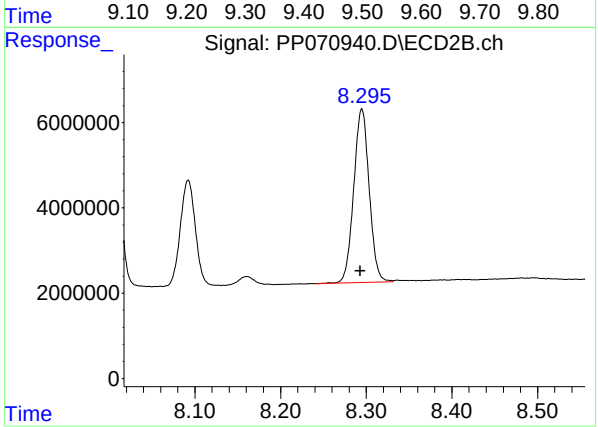
#43 AR-1268-3

R.T.: 8.001 min
Delta R.T.: 0.001 min
Response: 120132746
Conc: 965.77 ng/ml



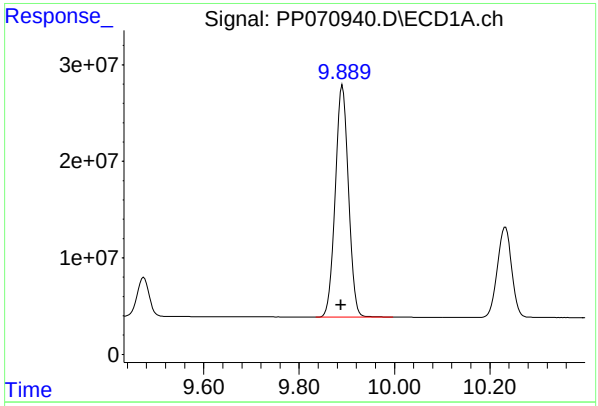
#44 AR-1268-4

R.T.: 9.474 min
Delta R.T.: 0.002 min
Response: 70377008
Conc: 960.95 ng/ml



#44 AR-1268-4

R.T.: 8.295 min
Delta R.T.: 0.002 min
Response: 51096977
Conc: 957.86 ng/ml



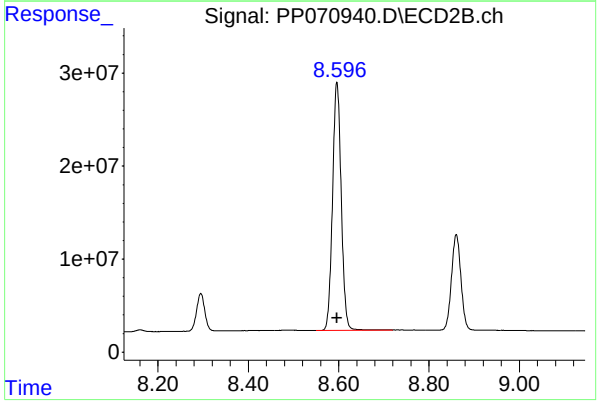
#45 AR-1268-5

R.T.: 9.891 min
Delta R.T.: 0.003 min
Response: 459553484
Conc: 952.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 357060145
Conc: 962.56 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:05
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.817	119.6E6	83914927	74.397	75.039
2)	SA Decachlor...	10.230	8.861	154.1E6	118.4E6	73.551	75.751
	Target Compounds						
41)	L9 AR-1268-1	8.730	7.729	178.4E6	131.7E6	744.578	753.609m
42)	L9 AR-1268-2	8.823	7.795	149.2E6	110.8E6	745.140	760.189
43)	L9 AR-1268-3	9.055	8.000	128.8E6	95630424	740.439	768.788
44)	L9 AR-1268-4	9.473	8.294	55249435	40878954	754.389	766.313
45)	L9 AR-1268-5	9.890	8.596	361.2E6	282.2E6	748.577	760.668

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:05
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

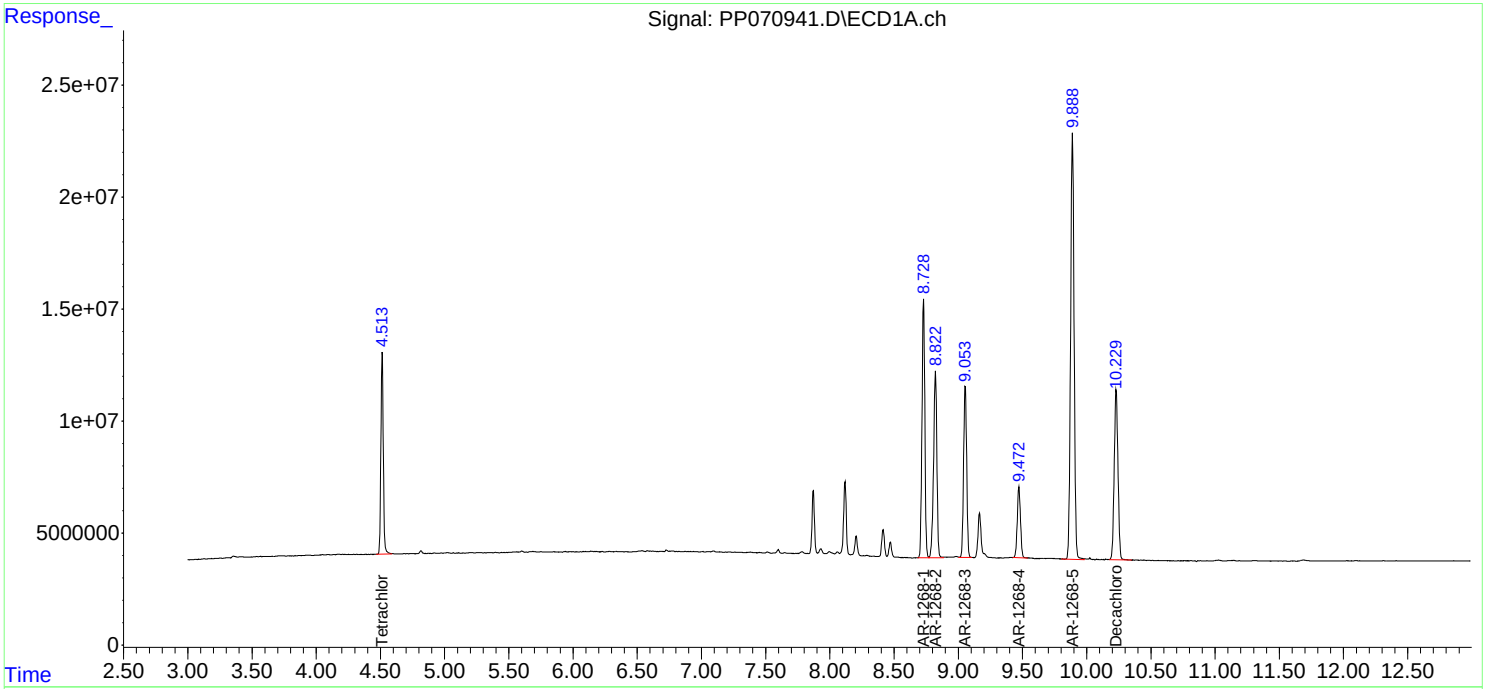
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

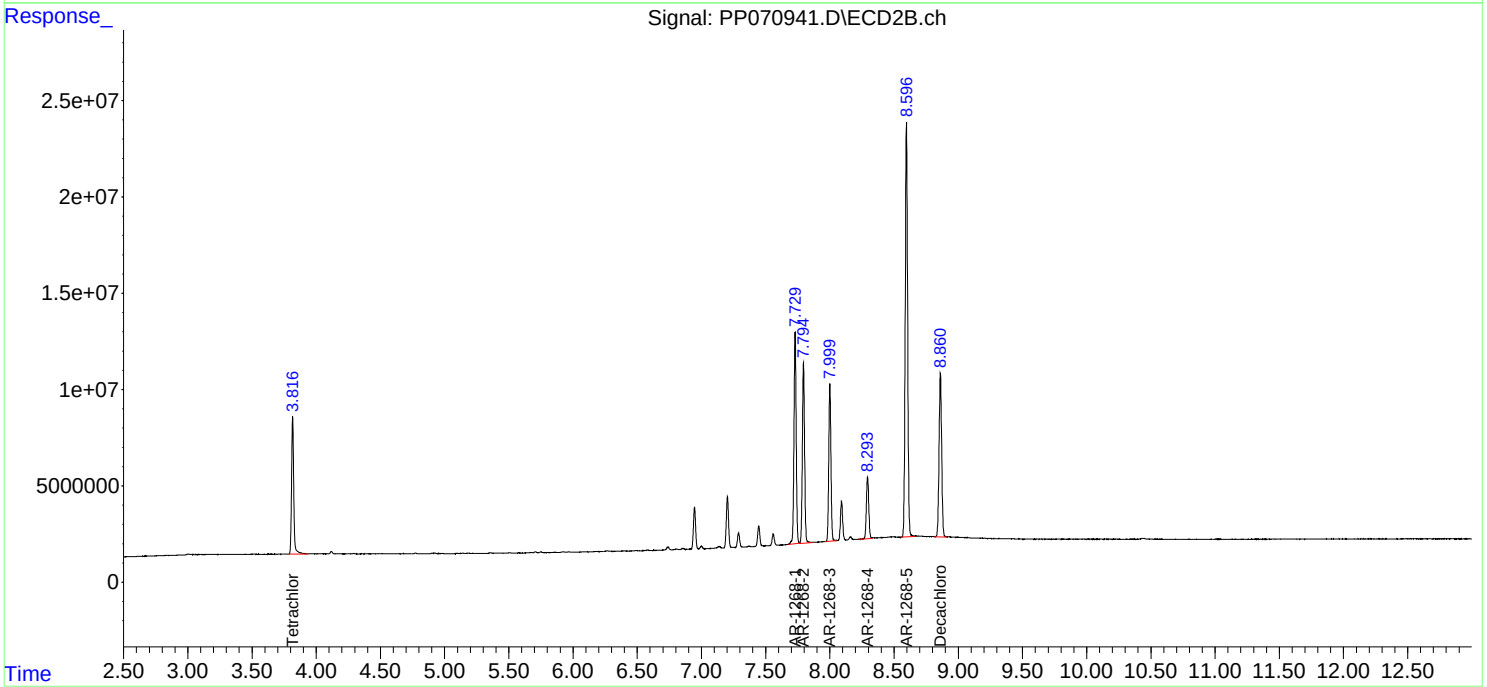
Manual Integrations APPROVED

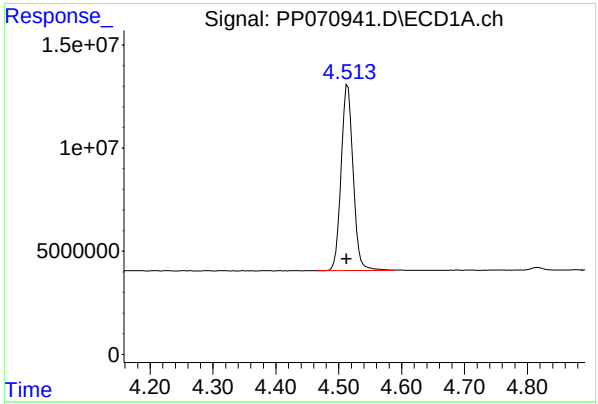
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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







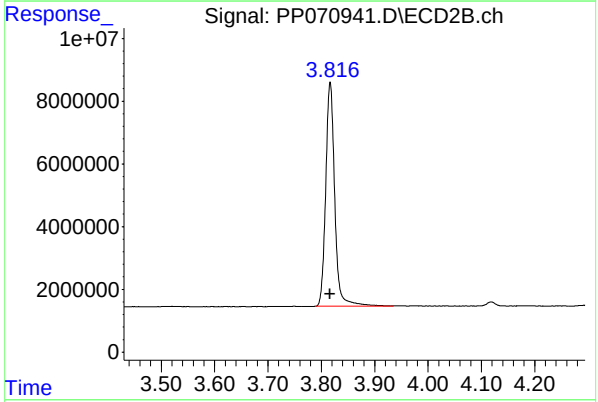
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.001 min
Response: 119597931
Conc: 74.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

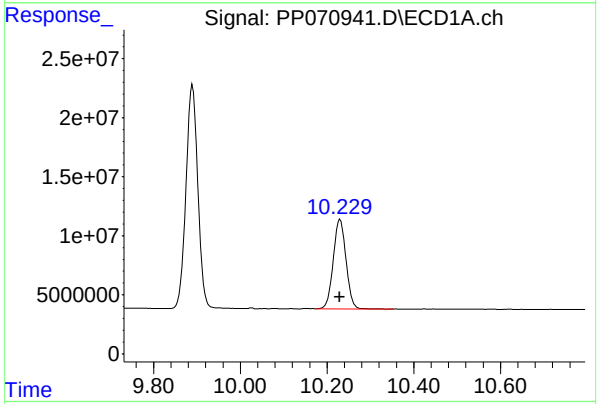
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



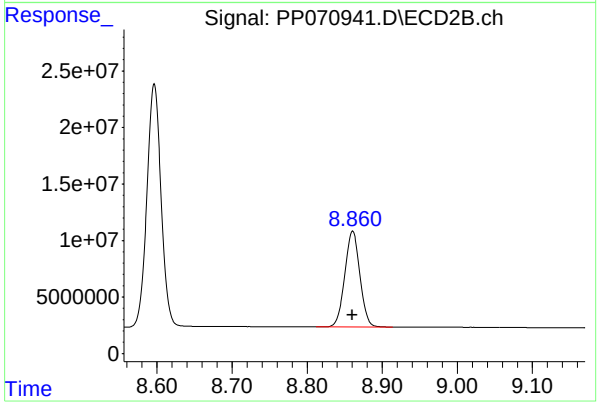
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 83914927
Conc: 75.04 ng/ml



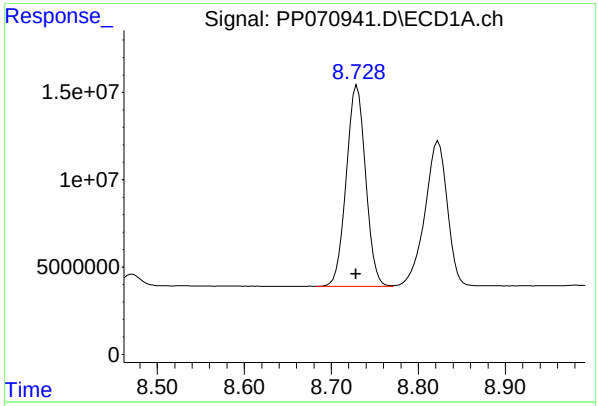
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 154146813
Conc: 73.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 118436920
Conc: 75.75 ng/ml



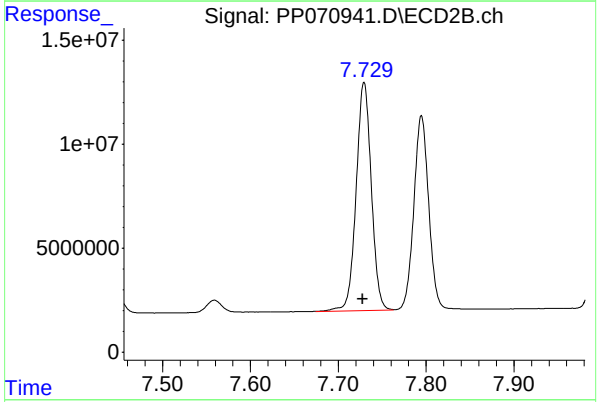
#41 AR-1268-1

R.T.: 8.730 min
Delta R.T.: 0.001 mi
Response: 178445590
Conc: 744.58 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

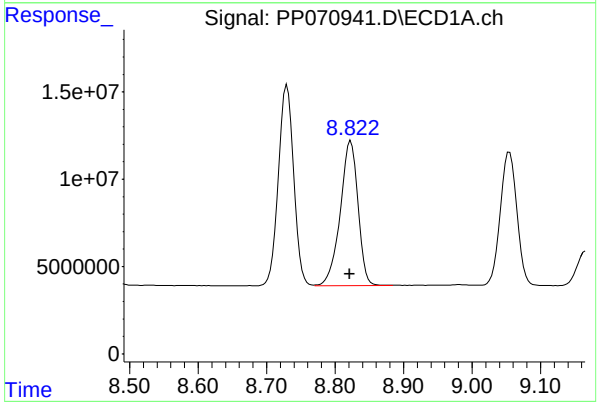
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



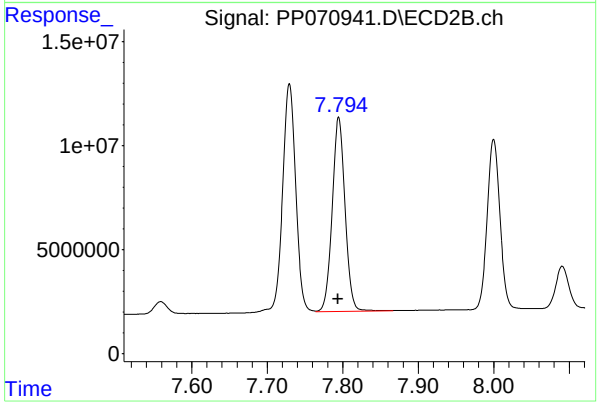
#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.001 min
Response: 131656350
Conc: 753.61 ng/ml m



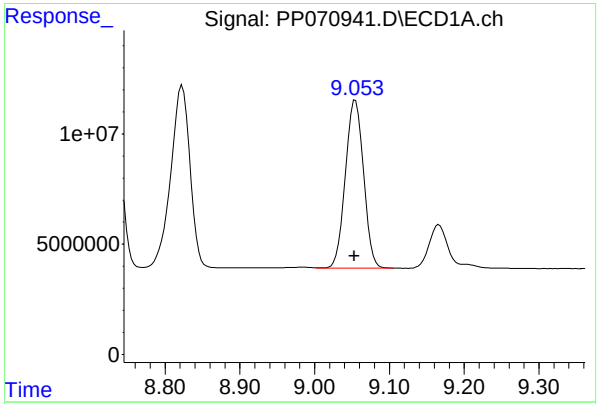
#42 AR-1268-2

R.T.: 8.823 min
Delta R.T.: 0.002 min
Response: 149201176
Conc: 745.14 ng/ml



#42 AR-1268-2

R.T.: 7.795 min
Delta R.T.: 0.001 min
Response: 110804324
Conc: 760.19 ng/ml



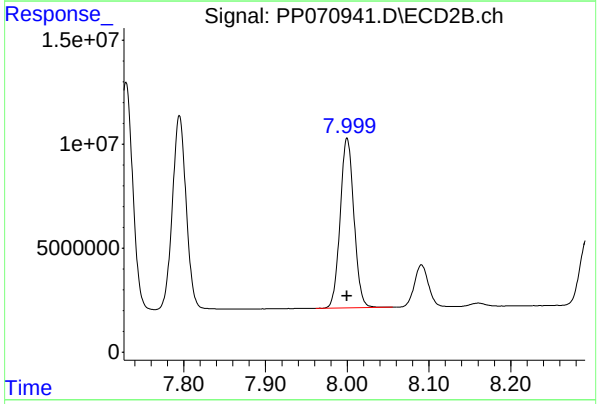
#43 AR-1268-3

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 128803338
Conc: 740.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

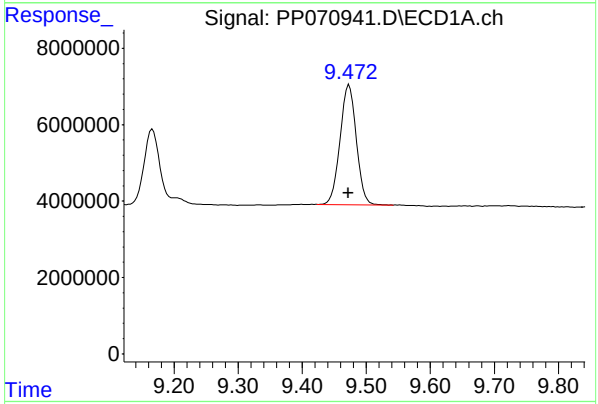
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



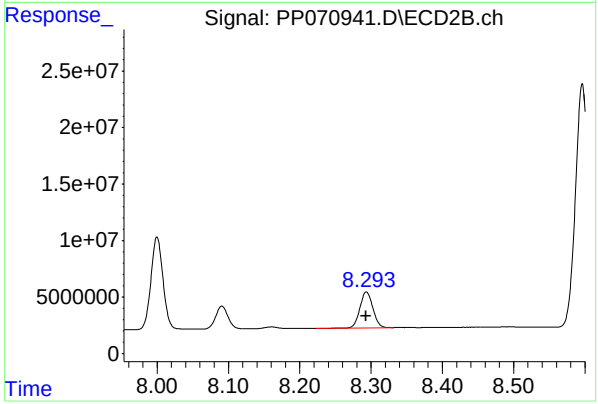
#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 95630424
Conc: 768.79 ng/ml



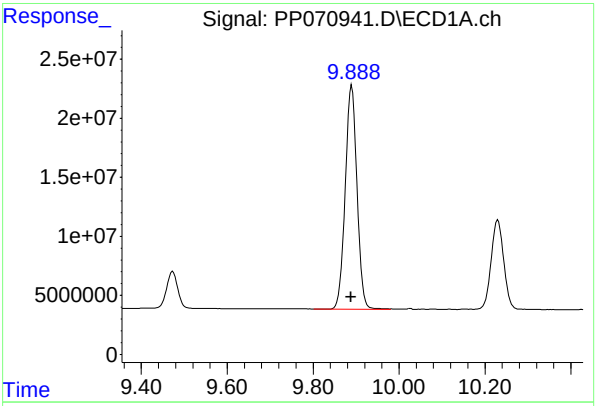
#44 AR-1268-4

R.T.: 9.473 min
Delta R.T.: 0.001 min
Response: 55249435
Conc: 754.39 ng/ml



#44 AR-1268-4

R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 40878954
Conc: 766.31 ng/ml



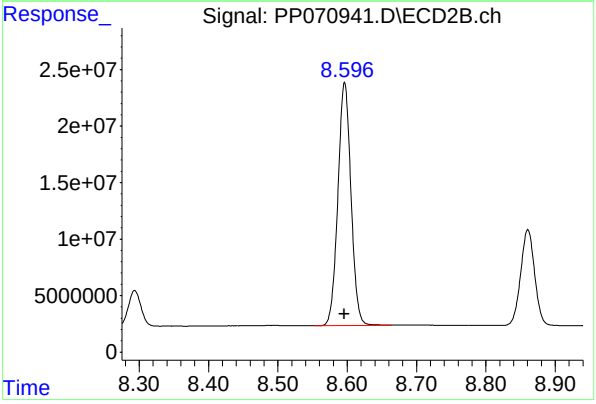
#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 mi
Response: 361198889
Conc: 748.58 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 282169730
Conc: 760.67 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.816	80378727	55914176	50.000	50.000
2)	SA Decachlor...	10.230	8.860	104.8E6	78175161	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.729	7.728	119.8E6	87376833	500.000	500.150m
42)	L9 AR-1268-2	8.821	7.793	100.1E6	72879434	500.000	500.000
43)	L9 AR-1268-3	9.053	8.000	86977678	62195601	500.000	500.000
44)	L9 AR-1268-4	9.472	8.293	36618642	26672497	500.000	500.000
45)	L9 AR-1268-5	9.888	8.596	241.3E6	185.5E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

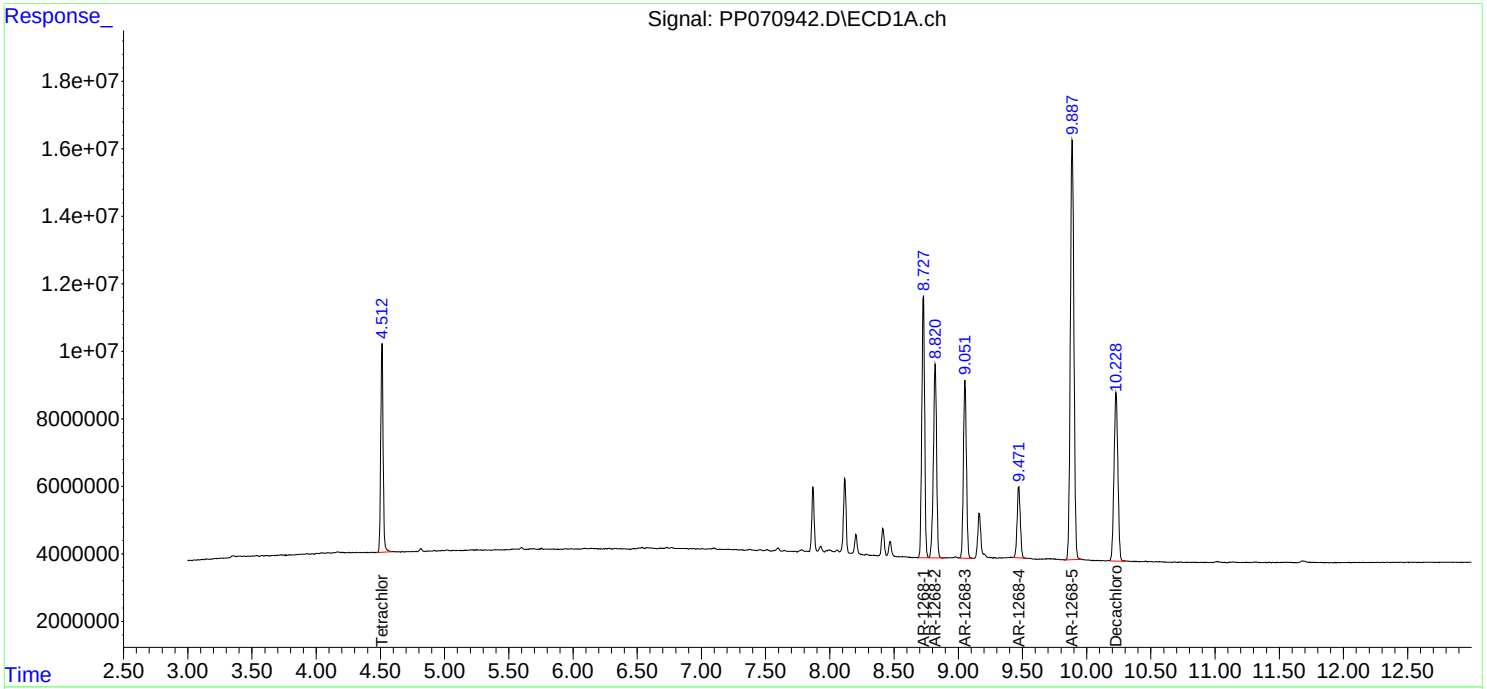
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

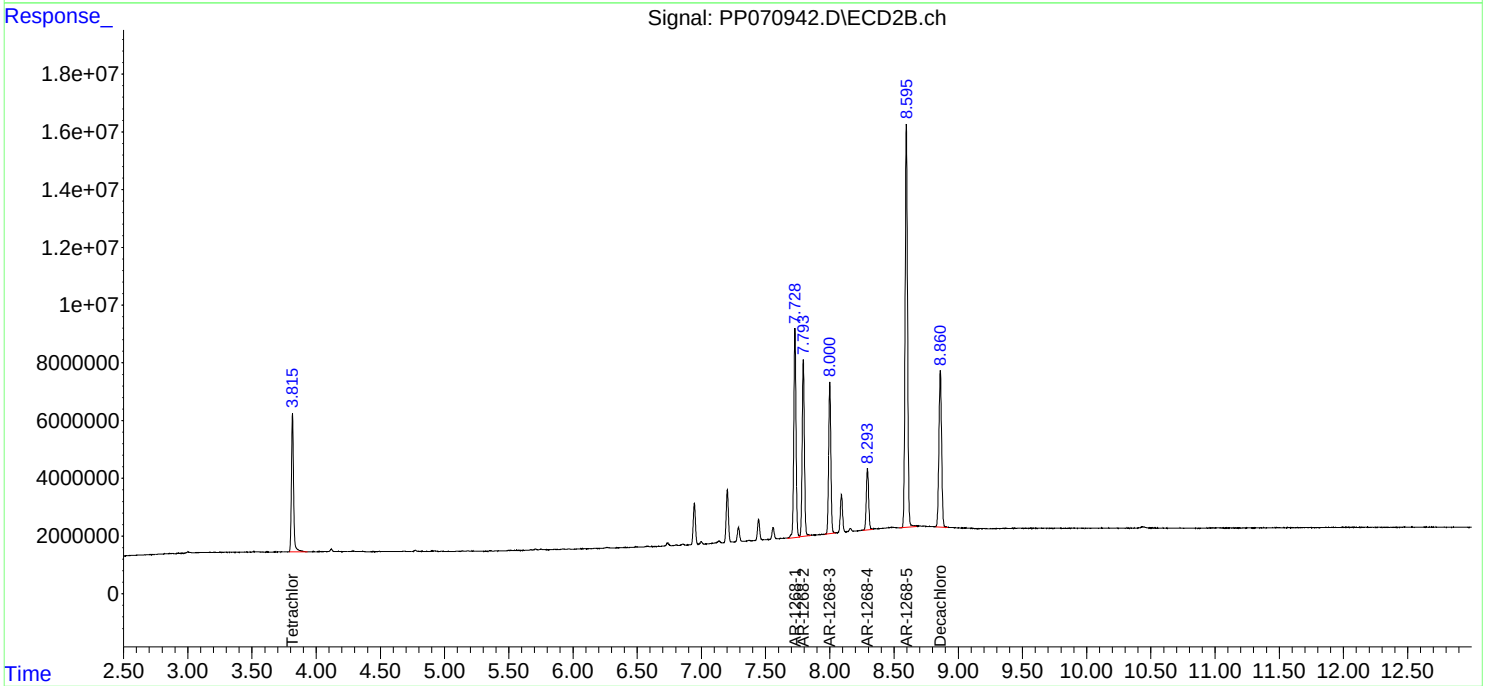
Manual Integrations APPROVED

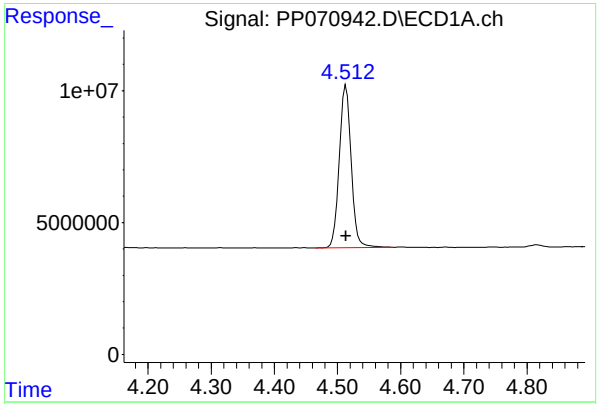
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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







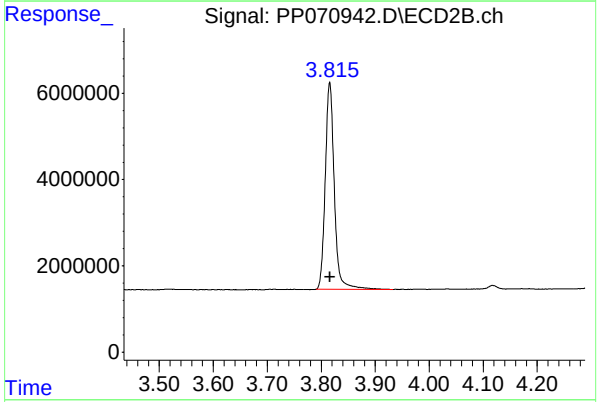
#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: 0.000 mi
Response: 80378727
Conc: 50.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

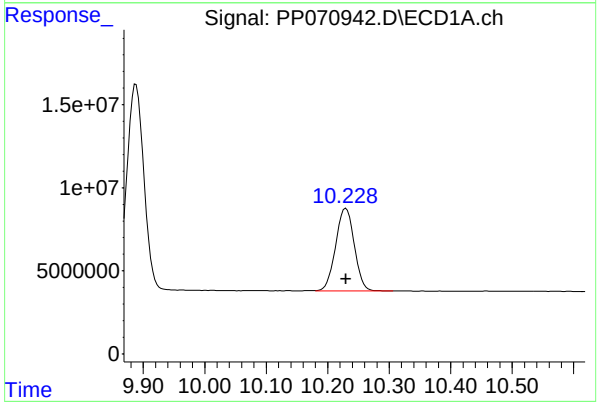
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



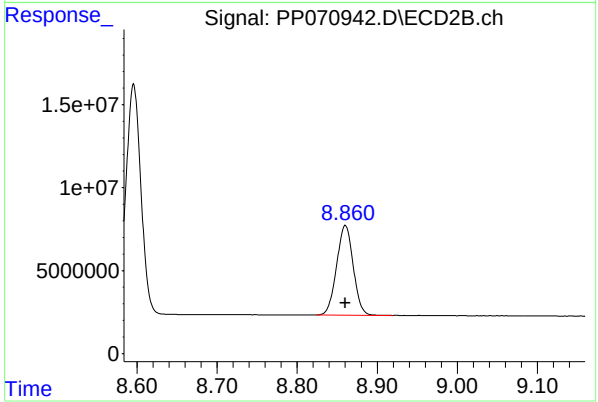
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55914176
Conc: 50.00 ng/ml



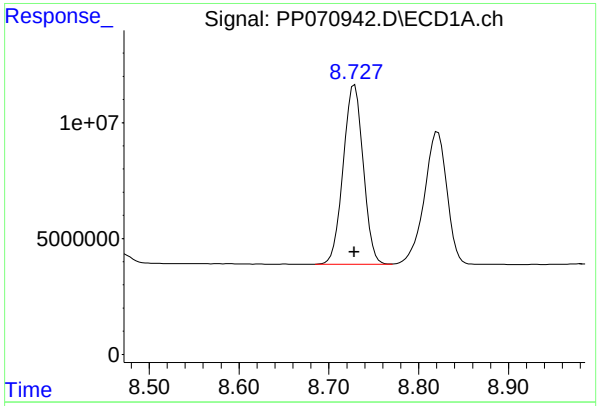
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 104789095
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 78175161
Conc: 50.00 ng/ml



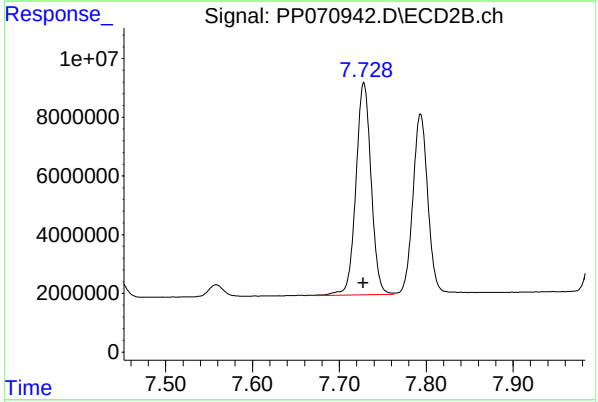
#41 AR-1268-1

R.T.: 8.729 min
Delta R.T.: 0.000 mi
Response: 119830016
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

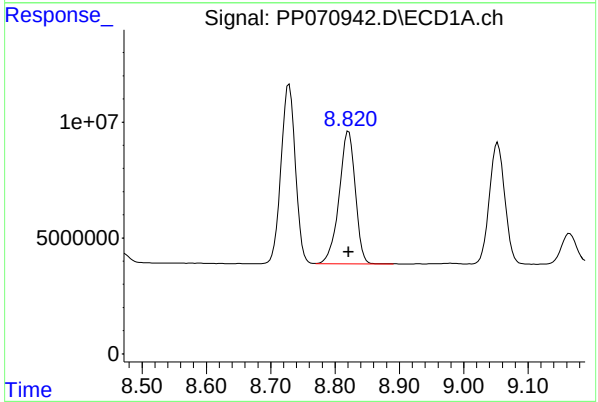
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



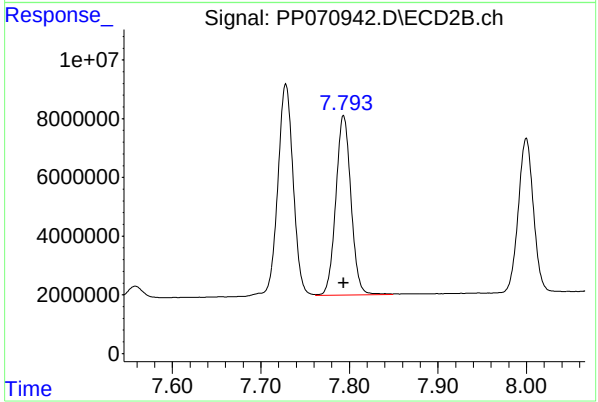
#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 87376833
Conc: 500.15 ng/ml m



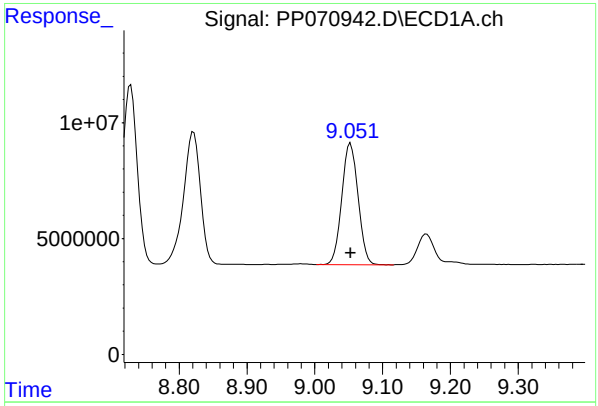
#42 AR-1268-2

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 100116173
Conc: 500.00 ng/ml



#42 AR-1268-2

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 72879434
Conc: 500.00 ng/ml



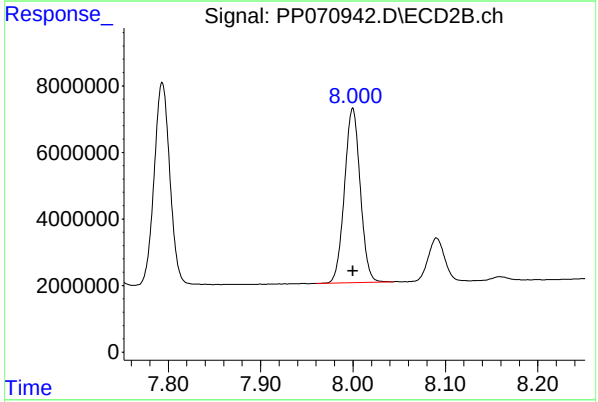
#43 AR-1268-3

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 86977678
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

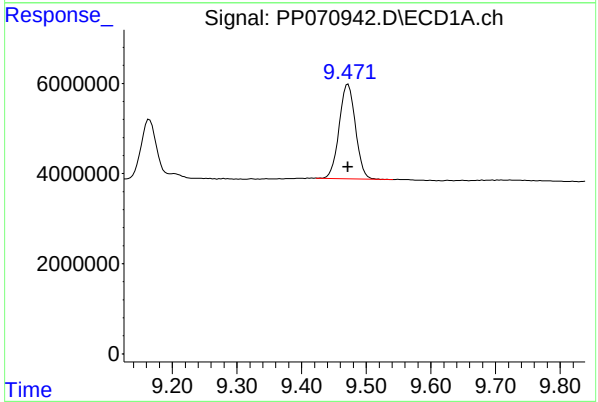
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



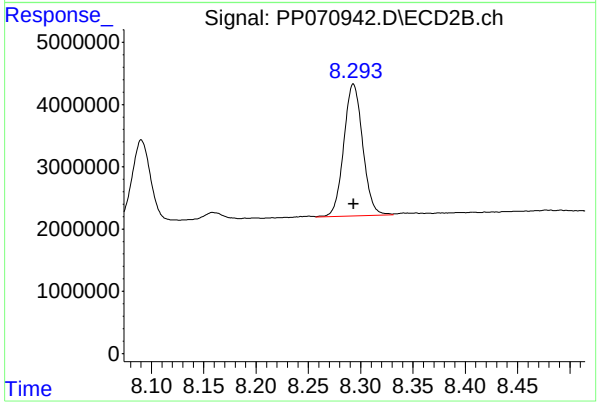
#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 62195601
Conc: 500.00 ng/ml



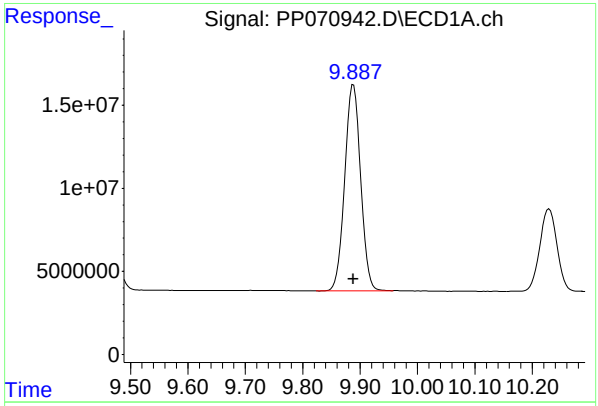
#44 AR-1268-4

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 36618642
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 26672497
Conc: 500.00 ng/ml



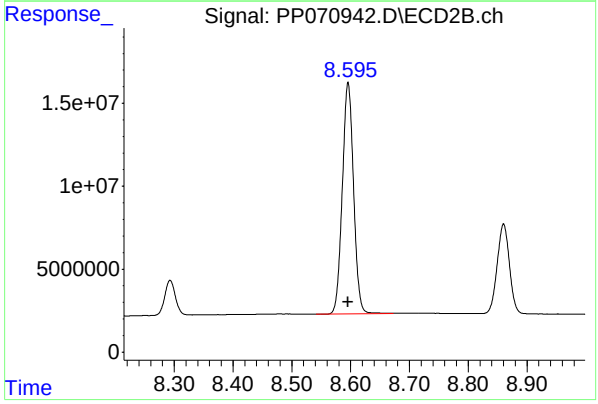
#45 AR-1268-5

R.T.: 9.888 min
Delta R.T.: 0.000 min
Response: 241257148
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 185474929
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:37
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.817	41125313	29588552	25.582	26.459
2)	SA Decachlor...	10.232	8.859	54285349	40518249	25.902	25.915
	Target Compounds						
41)	L9 AR-1268-1	8.730	7.729	61973048	44233672	258.587	253.196m
42)	L9 AR-1268-2	8.824	7.794	51237231	36694564	255.889	251.748
43)	L9 AR-1268-3	9.055	8.000	44311644	31811936	254.730	255.741
44)	L9 AR-1268-4	9.473	8.295	18700738	13922493	255.345	260.990
45)	L9 AR-1268-5	9.890	8.596	124.6E6	91636186	258.260	247.031

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:37
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

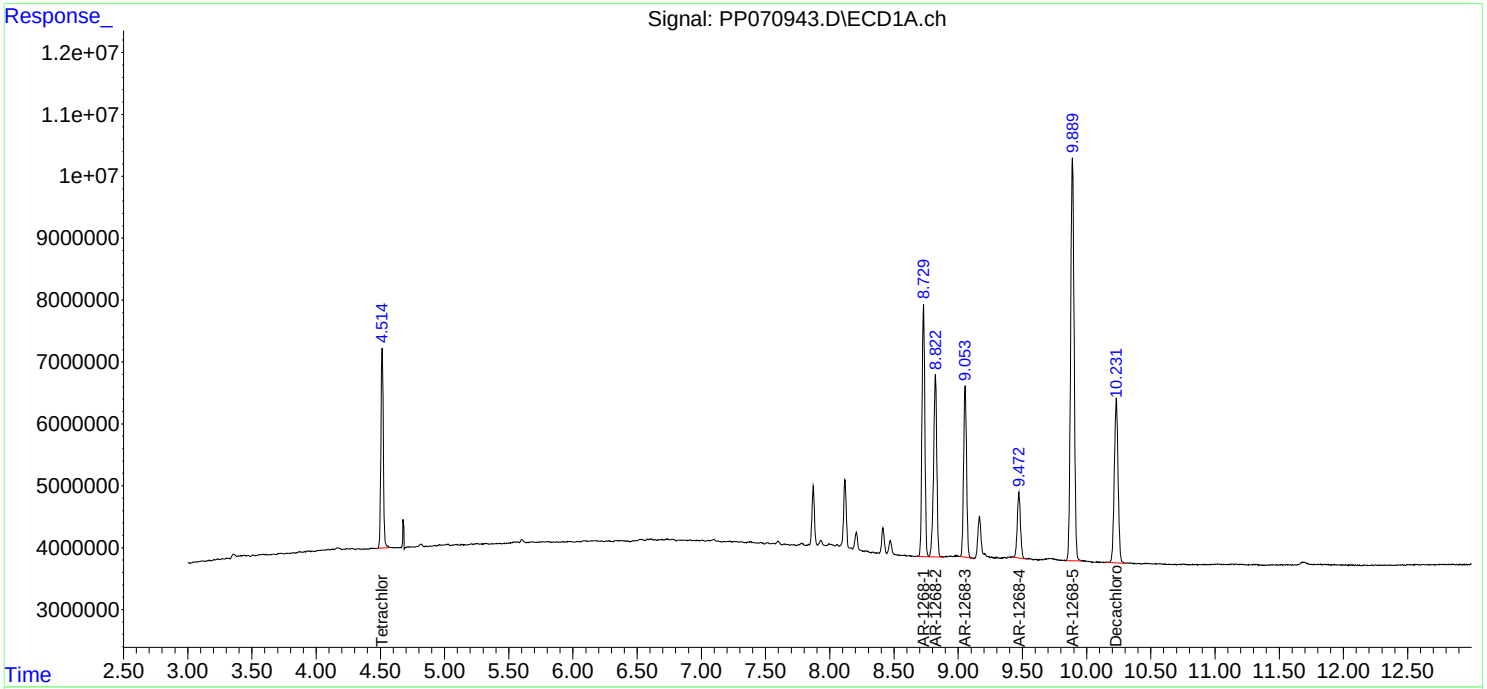
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

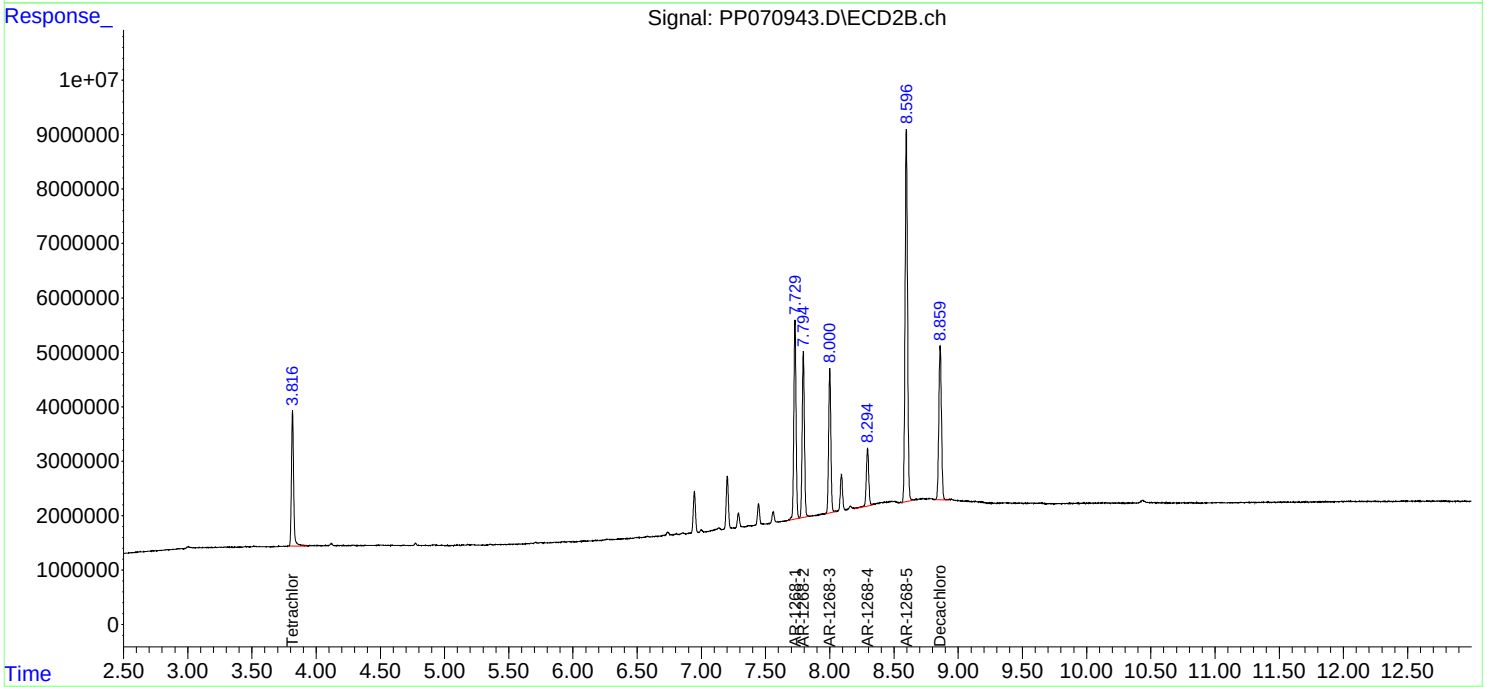
Manual Integrations APPROVED

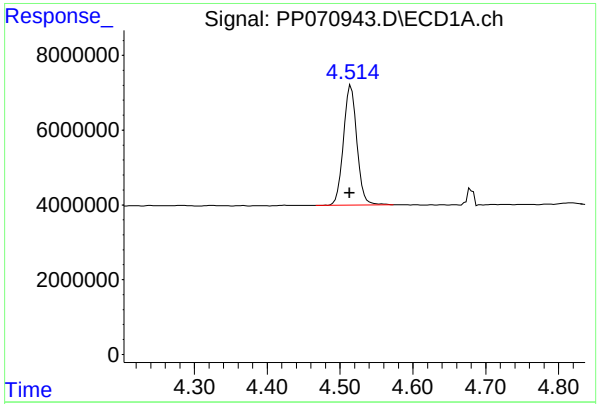
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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







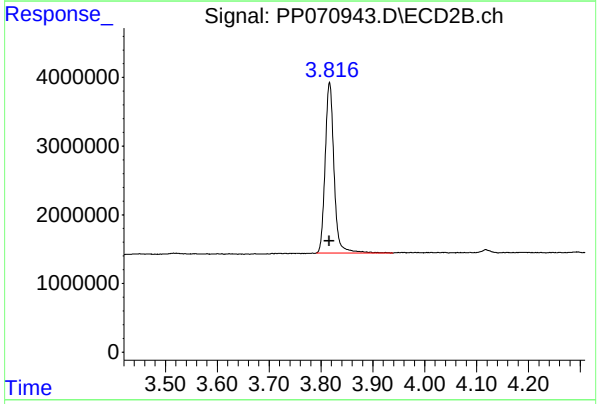
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.002 min
Response: 41125313
Conc: 25.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

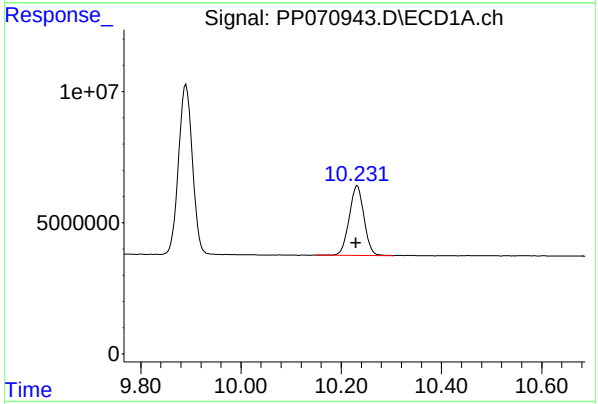
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



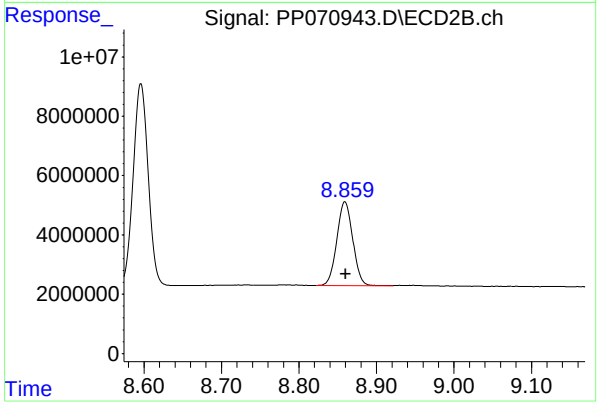
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 29588552
Conc: 26.46 ng/ml



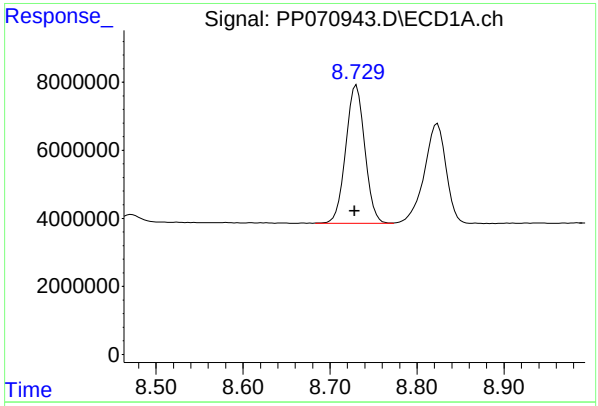
#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.003 min
Response: 54285349
Conc: 25.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 40518249
Conc: 25.92 ng/ml



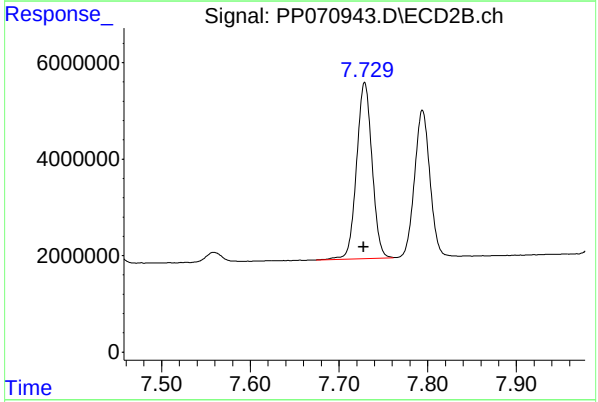
#41 AR-1268-1

R.T.: 8.730 min
Delta R.T.: 0.002 mi
Response: 61973048
Conc: 258.59 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

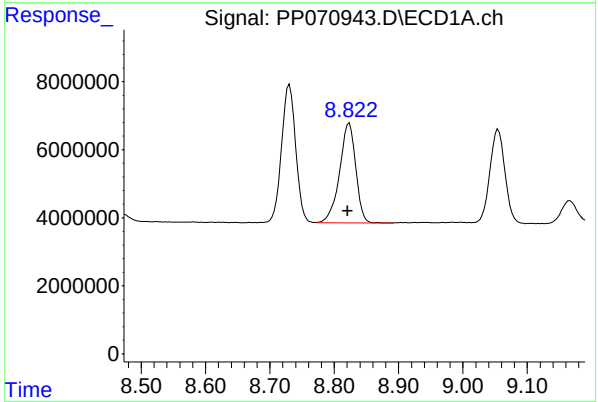
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



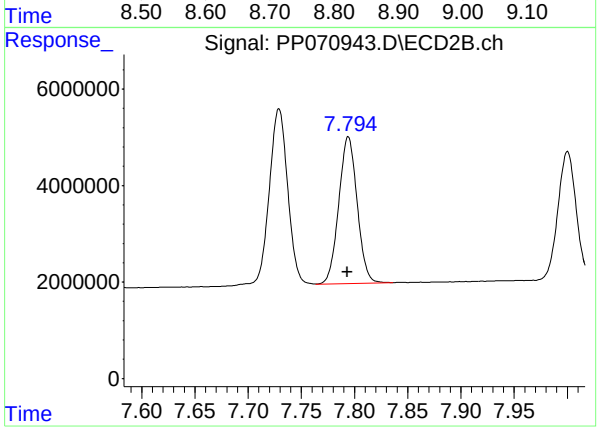
#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.000 min
Response: 44233672
Conc: 253.20 ng/ml m



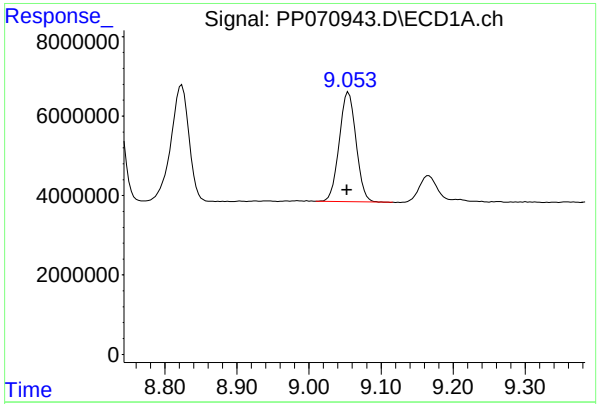
#42 AR-1268-2

R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 51237231
Conc: 255.89 ng/ml



#42 AR-1268-2

R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 36694564
Conc: 251.75 ng/ml



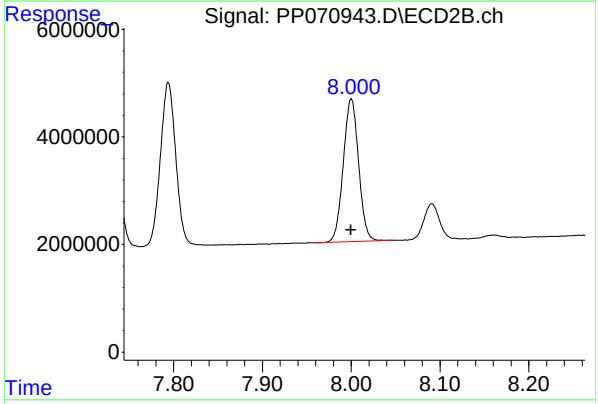
#43 AR-1268-3

R.T.: 9.055 min
Delta R.T.: 0.002 mi
Response: 44311644
Conc: 254.73 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

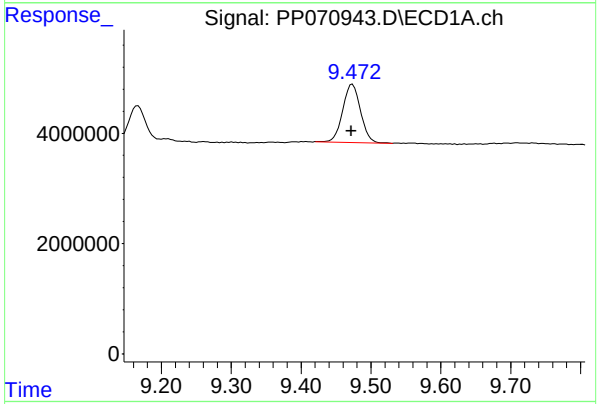
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



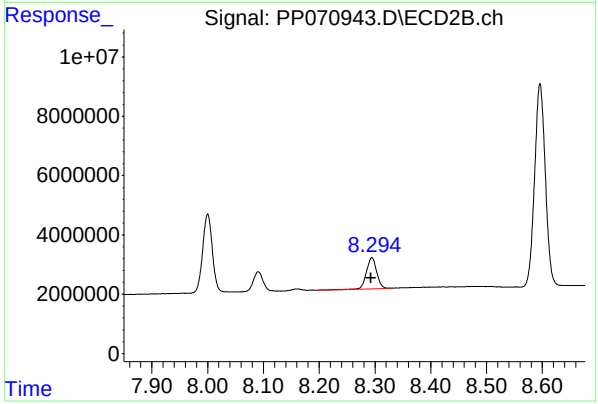
#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 31811936
Conc: 255.74 ng/ml



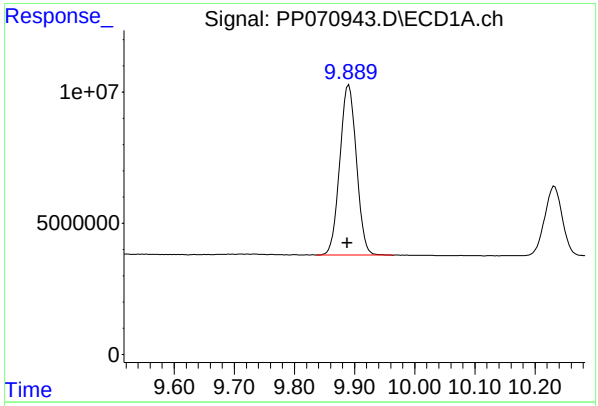
#44 AR-1268-4

R.T.: 9.473 min
Delta R.T.: 0.002 min
Response: 18700738
Conc: 255.34 ng/ml



#44 AR-1268-4

R.T.: 8.295 min
Delta R.T.: 0.002 min
Response: 13922493
Conc: 260.99 ng/ml



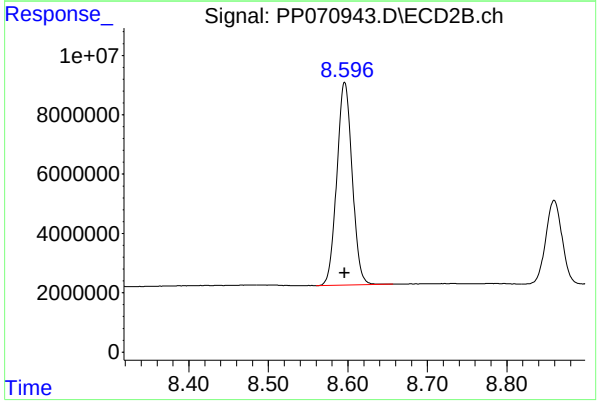
#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 min
Response: 124614186
Conc: 258.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 91636186
Conc: 247.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	7200607	6304440	4.457m	5.529
2)	SA Decachlor...	10.230	8.859	10035177	7161586	4.762	4.510
	Target Compounds						
41)	L9 AR-1268-1	8.729	7.728	11274140	8221191	46.621	46.780m
42)	L9 AR-1268-2	8.822	7.794	9103995	6916833	45.210	47.131
43)	L9 AR-1268-3	9.054	7.999	8398993	5823381	48.183	46.078
44)	L9 AR-1268-4	9.471	8.293	3082639	2471433	41.712	45.336m
45)	L9 AR-1268-5	9.889	8.596	22937830	16928167	47.050	45.599

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

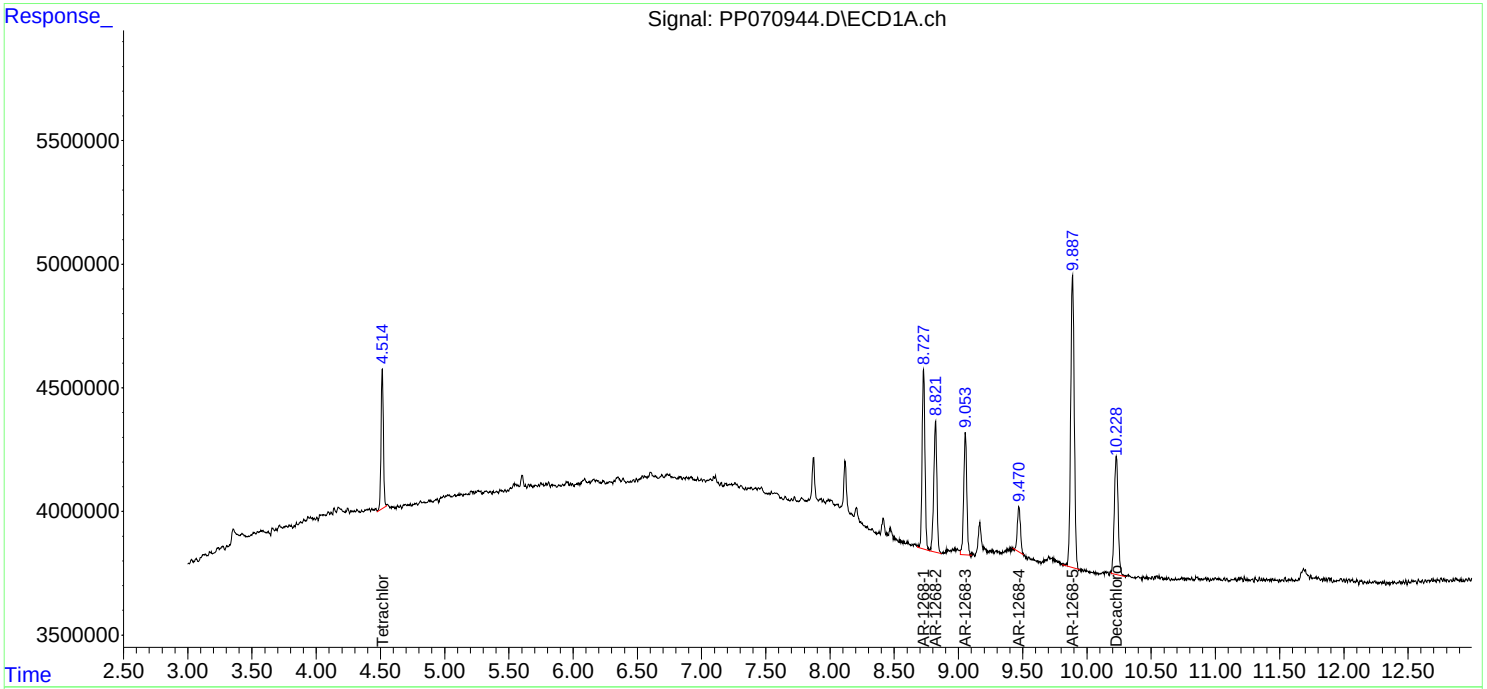
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

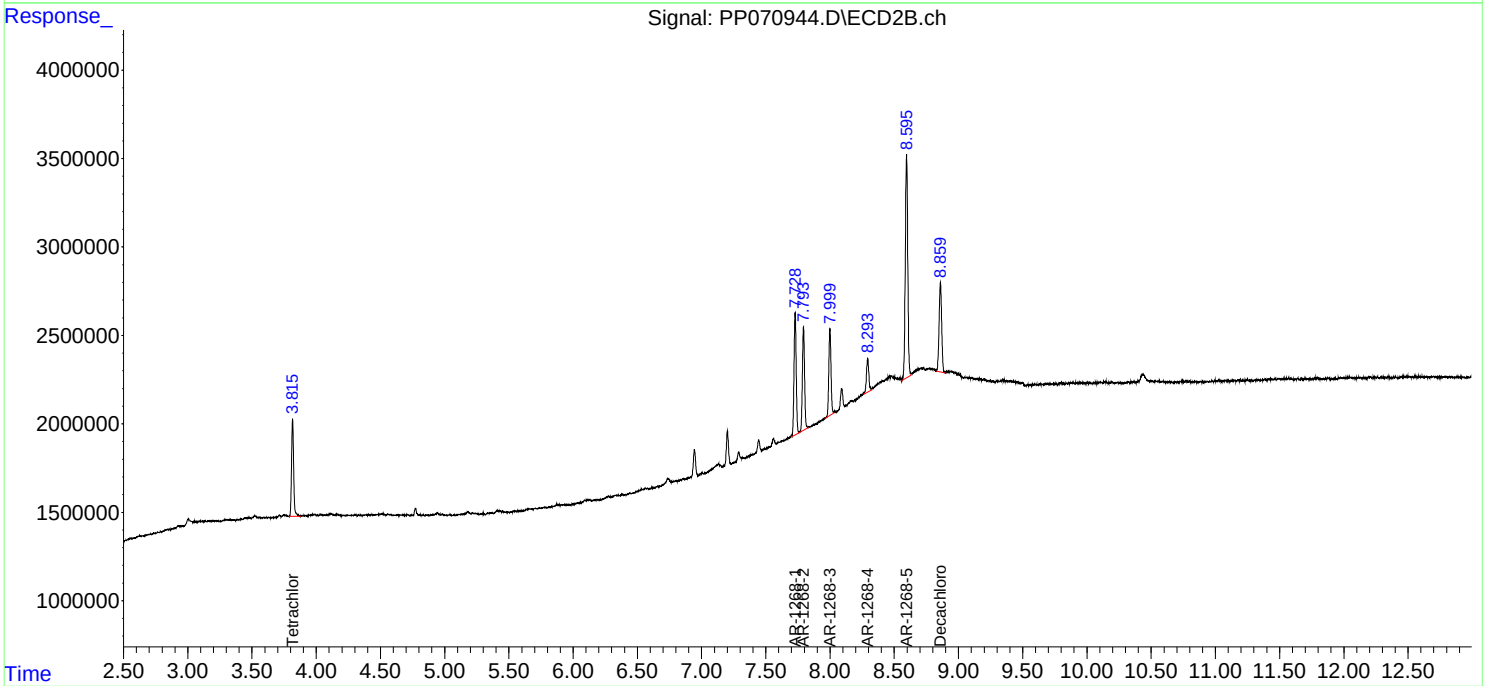
Manual Integrations APPROVED

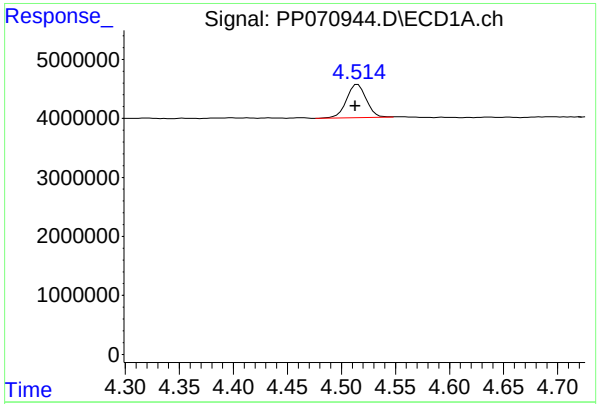
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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







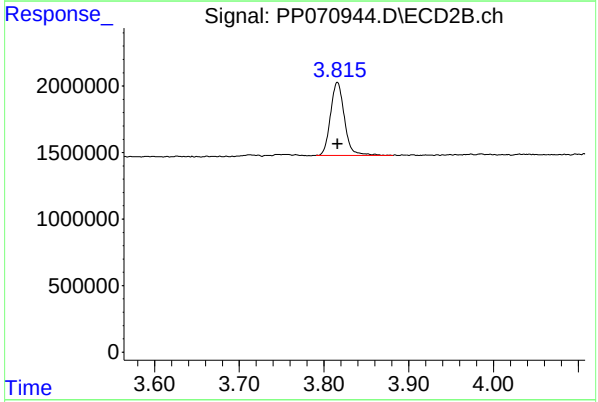
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 7200607
Conc: 4.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

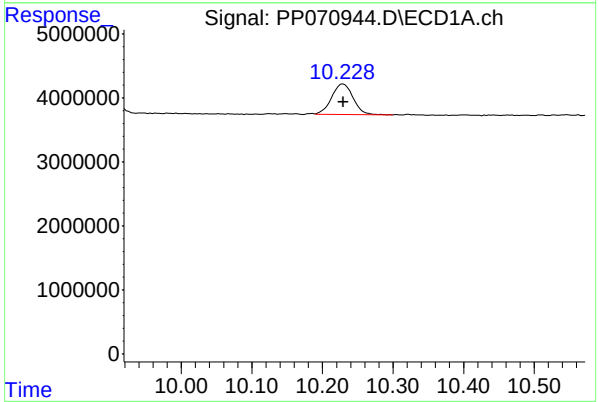
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



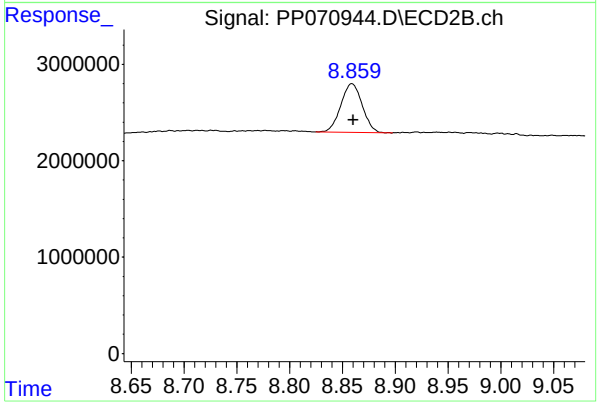
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 6304440
Conc: 5.53 ng/ml



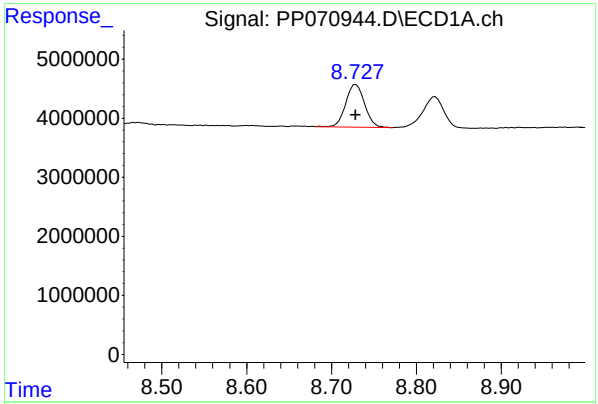
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 10035177
Conc: 4.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: -0.001 min
Response: 7161586
Conc: 4.51 ng/ml



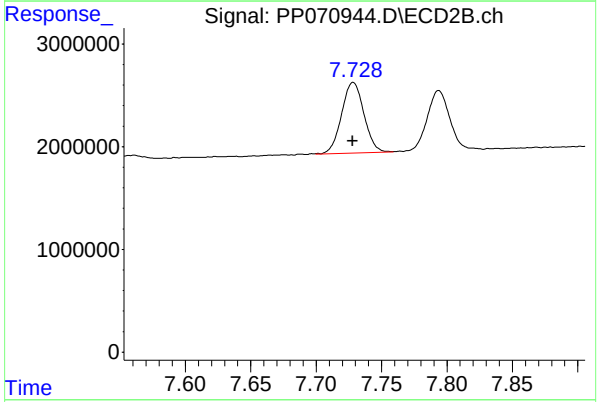
#41 AR-1268-1

R.T.: 8.729 min
Delta R.T.: 0.000 mi
Response: 11274140
Conc: 46.62 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

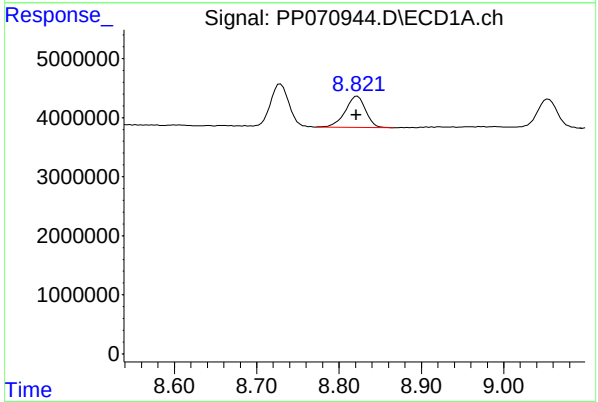
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



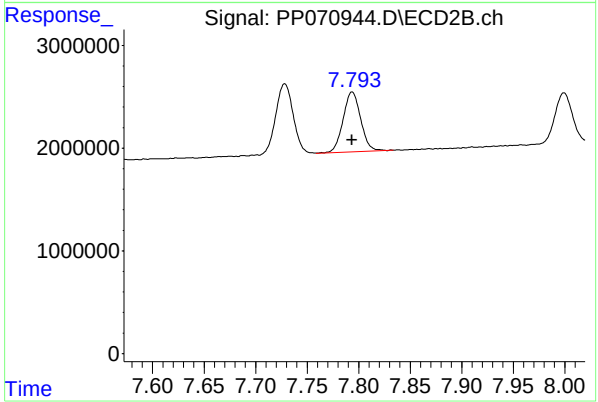
#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 8221191
Conc: 46.78 ng/ml m



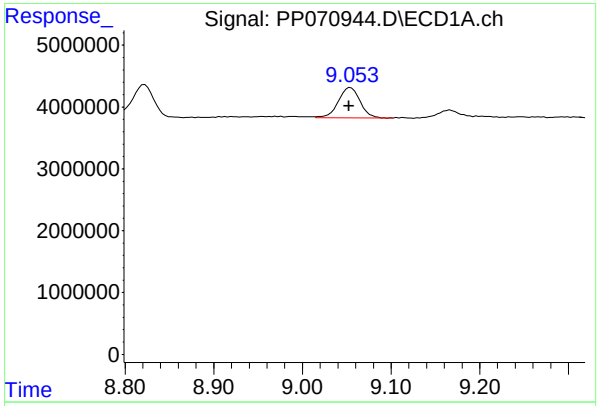
#42 AR-1268-2

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 9103995
Conc: 45.21 ng/ml



#42 AR-1268-2

R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 6916833
Conc: 47.13 ng/ml



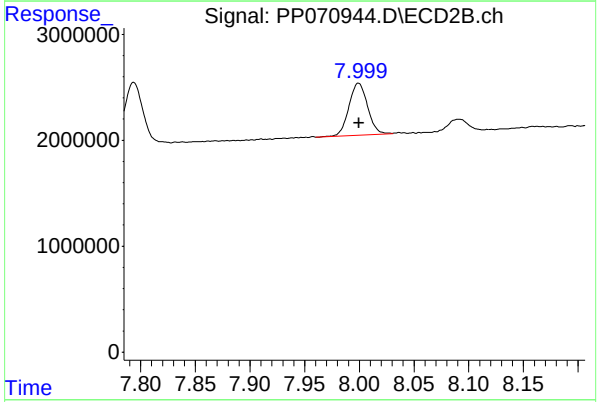
#43 AR-1268-3

R.T.: 9.054 min
Delta R.T.: 0.002 mi
Response: 8398993
Conc: 48.18 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

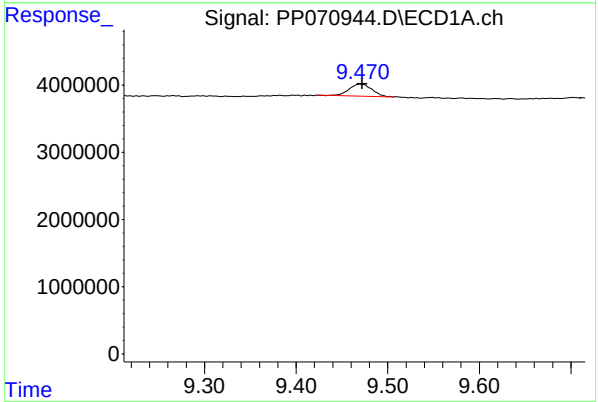
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



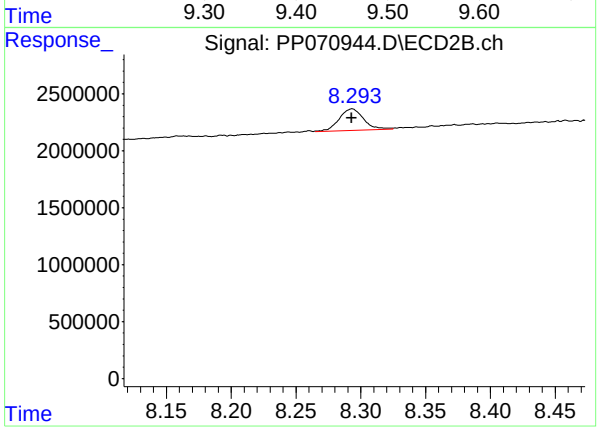
#43 AR-1268-3

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 5823381
Conc: 46.08 ng/ml



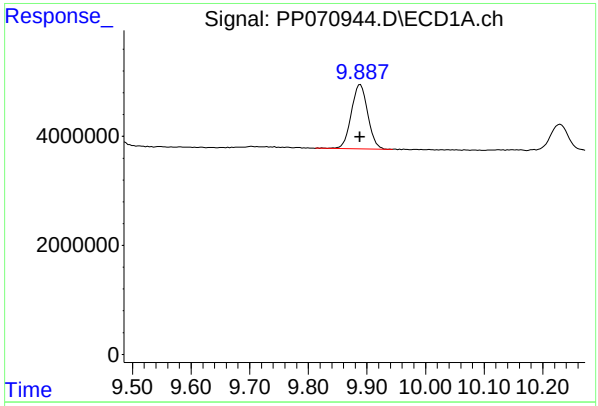
#44 AR-1268-4

R.T.: 9.471 min
Delta R.T.: 0.000 min
Response: 3082639
Conc: 41.71 ng/ml



#44 AR-1268-4

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 2471433
Conc: 45.34 ng/ml m



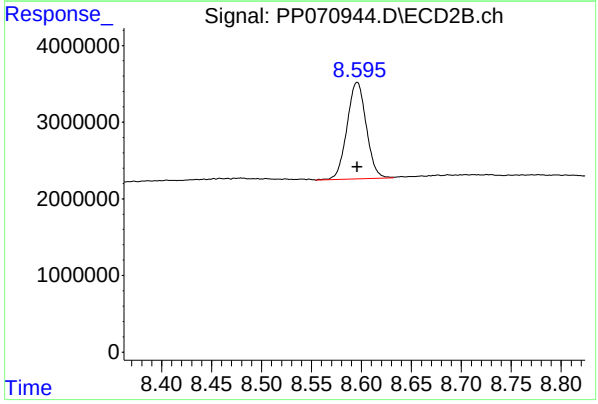
#45 AR-1268-5

R.T.: 9.889 min
Delta R.T.: 0.000 mi
Response: 22937830
Conc: 47.05 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 16928167
Conc: 45.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:26
Operator : YP\AJ
Sample : PP032725ICV500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP032725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:19:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.513	3.817	83053328	55050464	56.825	53.105
2) SA	Decachlor...	10.229	8.860	60452615	44643396	57.431	56.640
	Target Compounds						
3) L1	AR-1016-1	5.666	4.904	27342824	21140954	537.702	527.361
4) L1	AR-1016-2	5.688	4.923	41229999	30414011	528.227	525.602
5) L1	AR-1016-3	5.750	5.100	25160452	16688586	533.347	539.677
6) L1	AR-1016-4	5.847	5.141	20613627	13786307	560.828	566.035
7) L1	AR-1016-5	6.140	5.356	19310102	17090774	569.416	528.779
31) L7	AR-1260-1	7.259	6.392	37489891	28161151	558.277	549.955
32) L7	AR-1260-2	7.512	6.580	54825330	35718929	570.287	559.912
33) L7	AR-1260-3	7.871	6.734	45118892	30750809	564.563	564.371
34) L7	AR-1260-4	8.095	7.206	41972897	25791995	533.078	539.285
35) L7	AR-1260-5	8.414	7.447	87345749	64063663	549.738	514.525

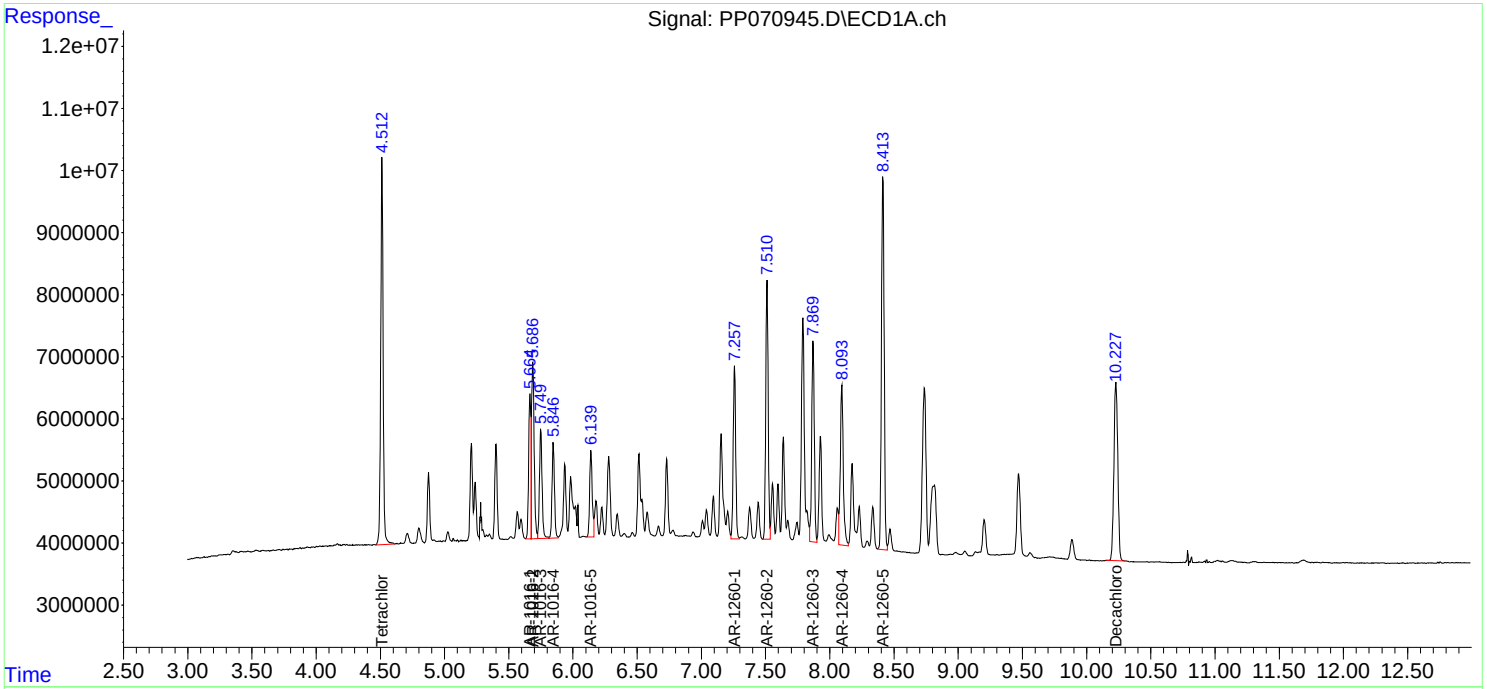
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

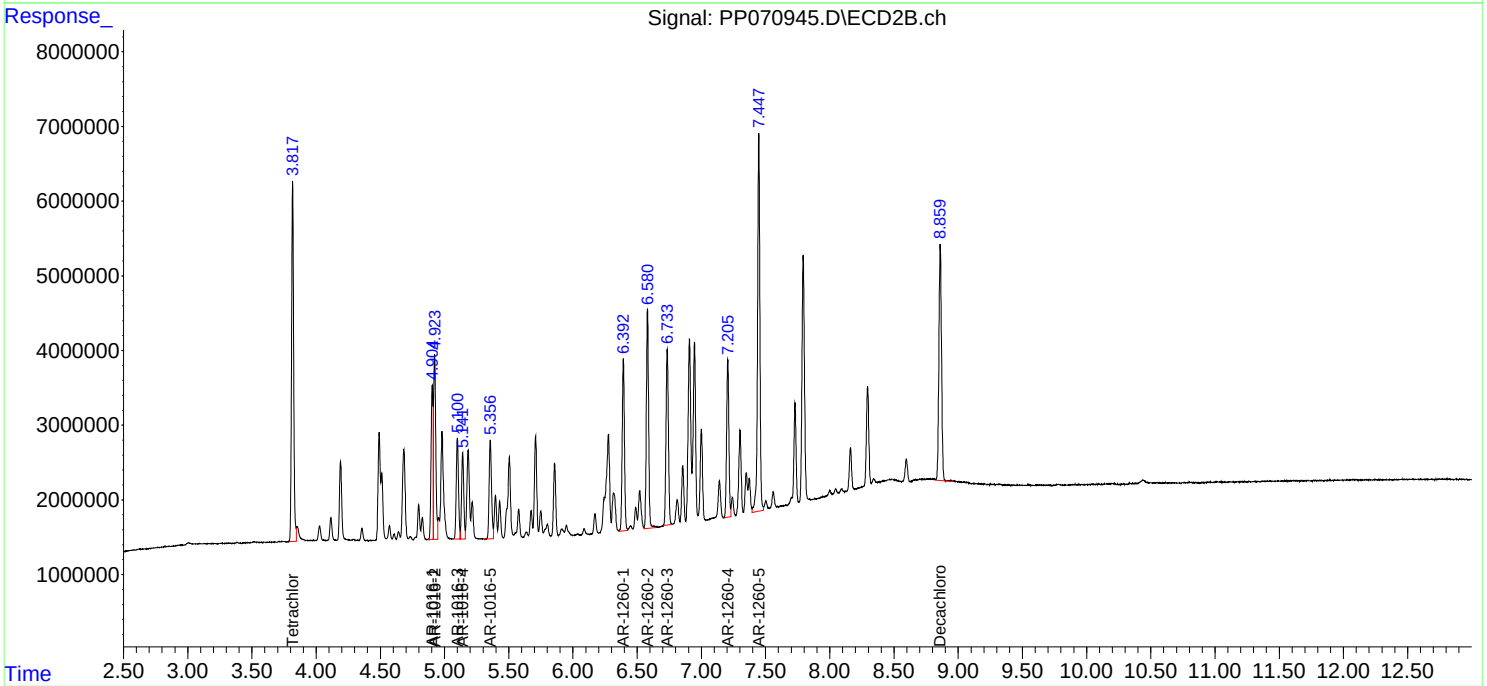
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:26
Operator : YP\AJ
Sample : PP032725ICV500
Misc :
ALS Vial : 3 Sample Multiplier: 1

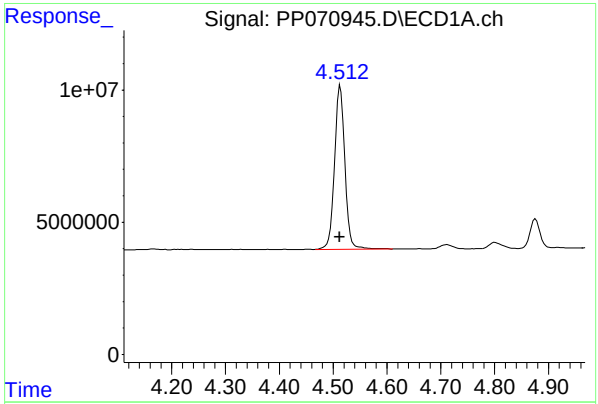
Instrument :
ECD_P
ClientSampleId :
ICVPP032725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:19:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



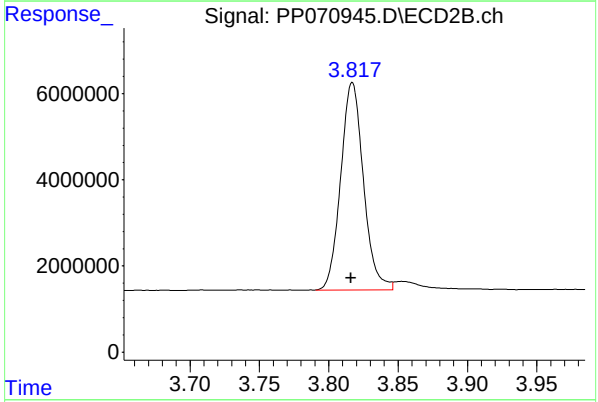




#1 Tetrachloro-m-xylene

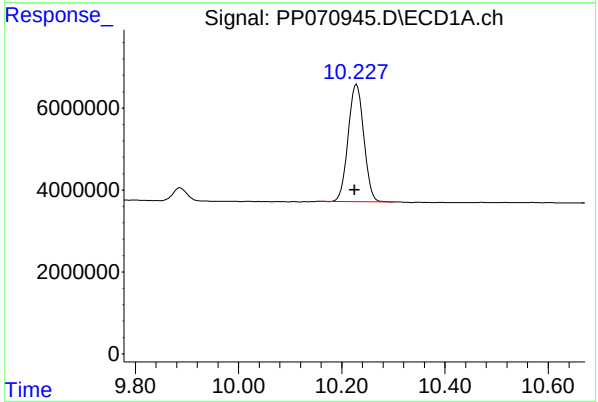
R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 83053328
Conc: 56.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725



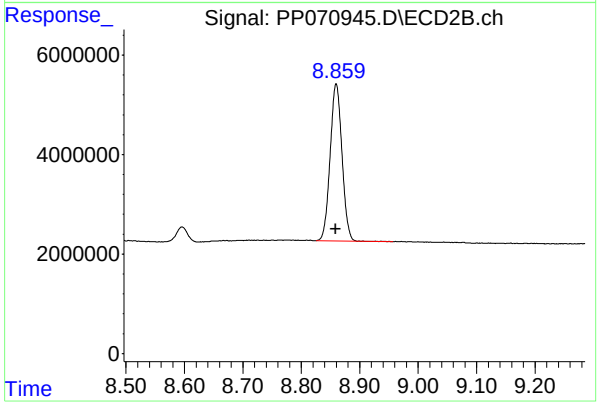
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 55050464
Conc: 53.10 ng/ml



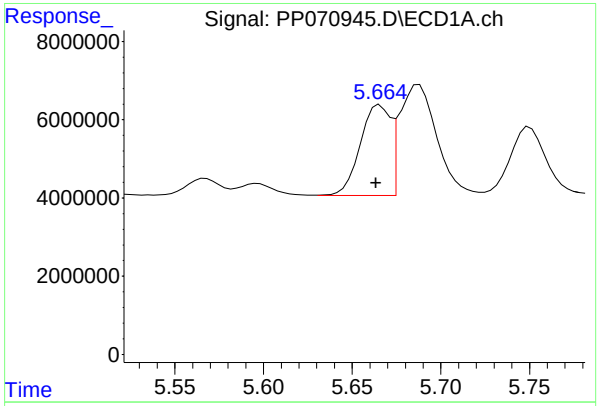
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 60452615
Conc: 57.43 ng/ml



#2 Decachlorobiphenyl

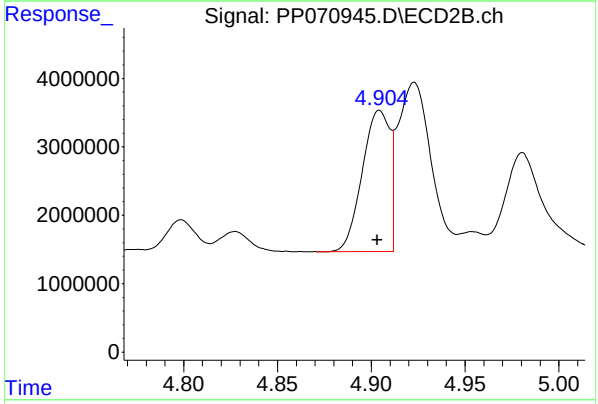
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 44643396
Conc: 56.64 ng/ml



#3 AR-1016-1

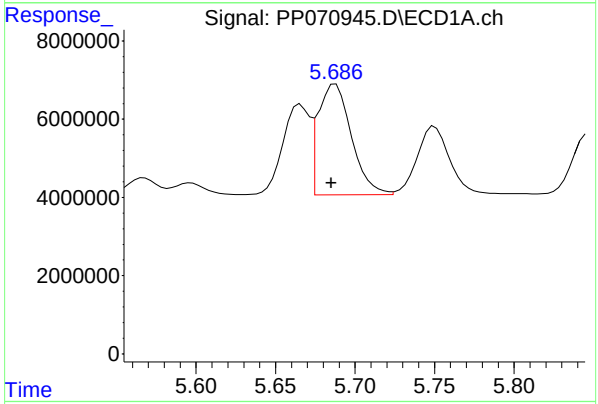
R.T.: 5.666 min
Delta R.T.: 0.002 mi
Response: 27342824
Conc: 537.70 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP032725



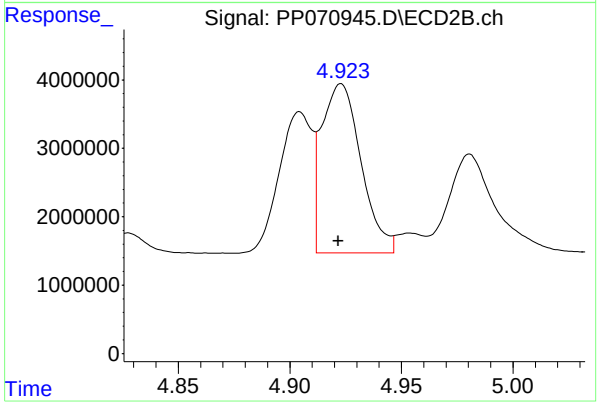
#3 AR-1016-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 21140954
Conc: 527.36 ng/ml



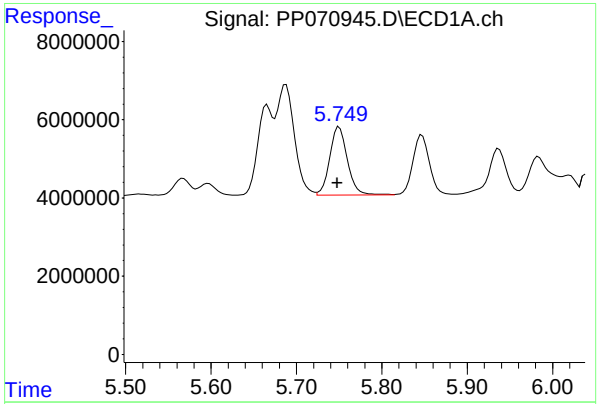
#4 AR-1016-2

R.T.: 5.688 min
Delta R.T.: 0.003 min
Response: 41229999
Conc: 528.23 ng/ml



#4 AR-1016-2

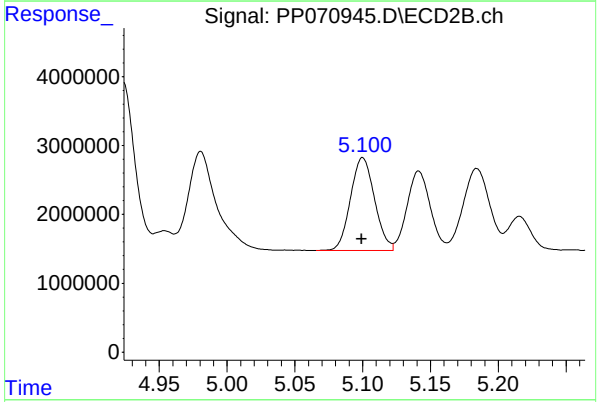
R.T.: 4.923 min
Delta R.T.: 0.001 min
Response: 30414011
Conc: 525.60 ng/ml



#5 AR-1016-3

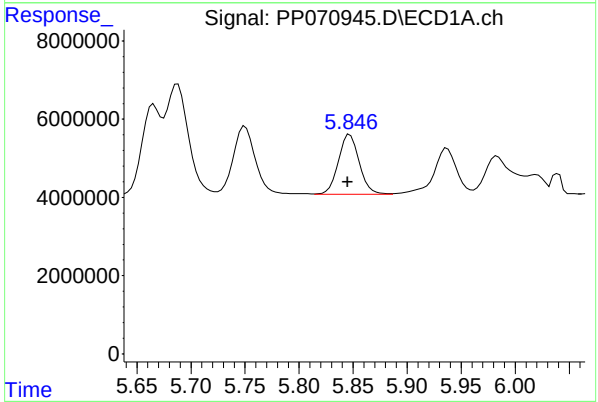
R.T.: 5.750 min
Delta R.T.: 0.003 min
Response: 25160452
Conc: 533.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725



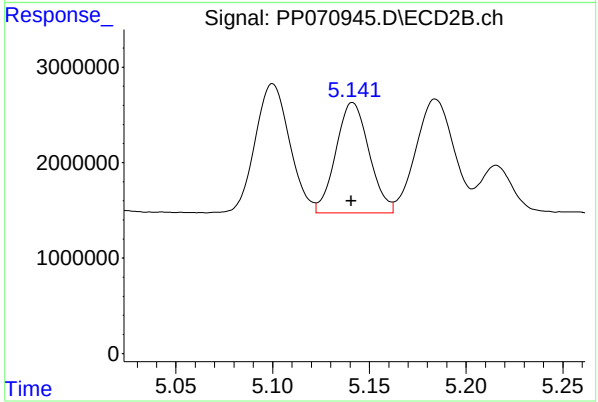
#5 AR-1016-3

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 16688586
Conc: 539.68 ng/ml



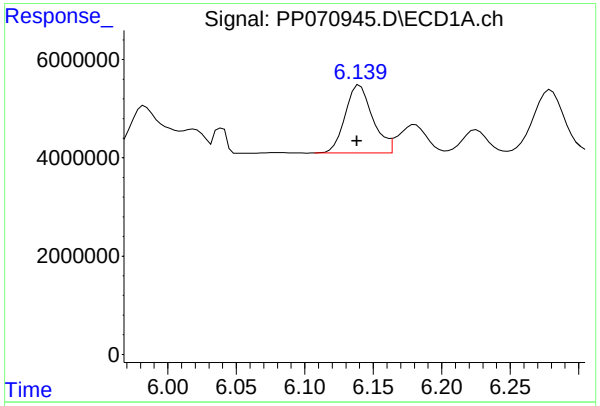
#6 AR-1016-4

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 20613627
Conc: 560.83 ng/ml



#6 AR-1016-4

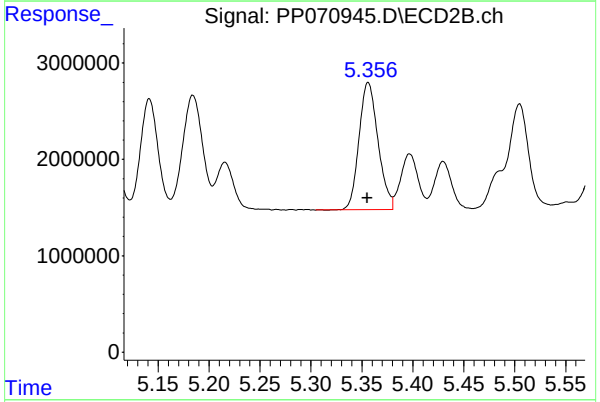
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 13786307
Conc: 566.04 ng/ml



#7 AR-1016-5

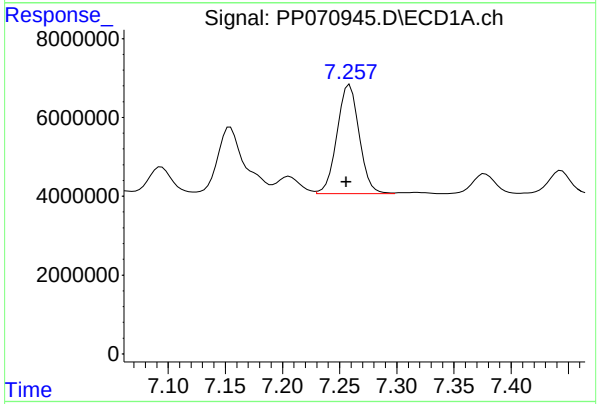
R.T.: 6.140 min
Delta R.T.: 0.002 min
Response: 19310102
Conc: 569.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725



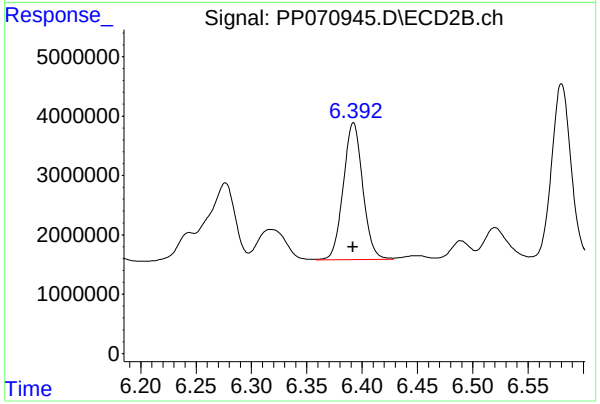
#7 AR-1016-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 17090774
Conc: 528.78 ng/ml



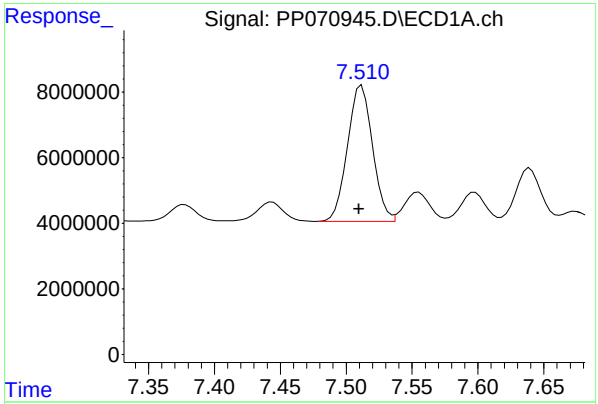
#31 AR-1260-1

R.T.: 7.259 min
Delta R.T.: 0.003 min
Response: 37489891
Conc: 558.28 ng/ml



#31 AR-1260-1

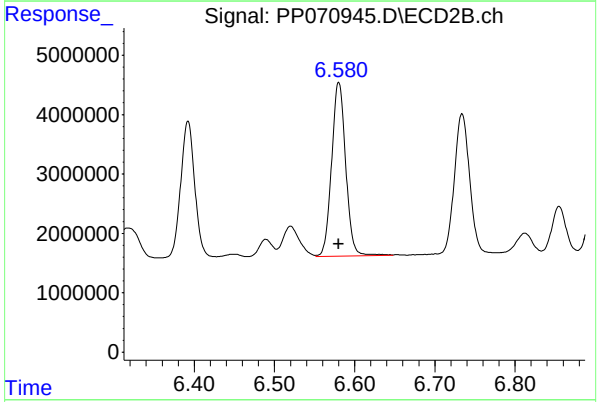
R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 28161151
Conc: 549.95 ng/ml



#32 AR-1260-2

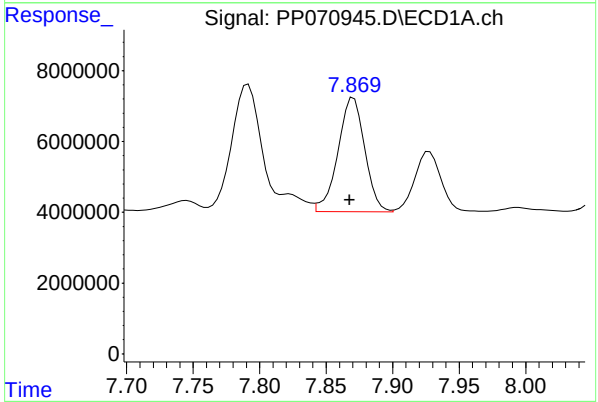
R.T.: 7.512 min
Delta R.T.: 0.002 min
Response: 54825330
Conc: 570.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725



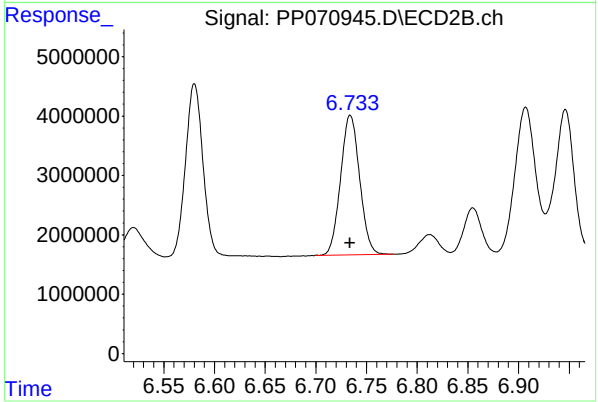
#32 AR-1260-2

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 35718929
Conc: 559.91 ng/ml



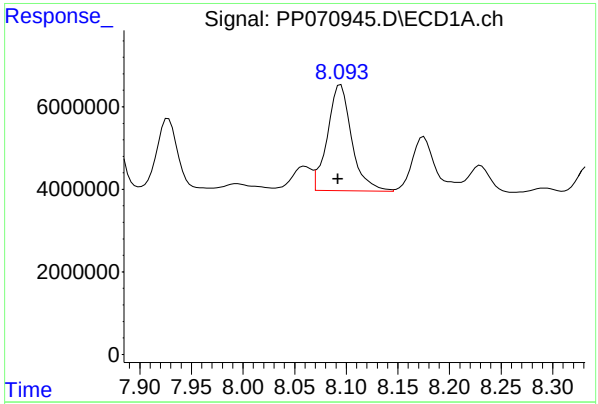
#33 AR-1260-3

R.T.: 7.871 min
Delta R.T.: 0.003 min
Response: 45118892
Conc: 564.56 ng/ml



#33 AR-1260-3

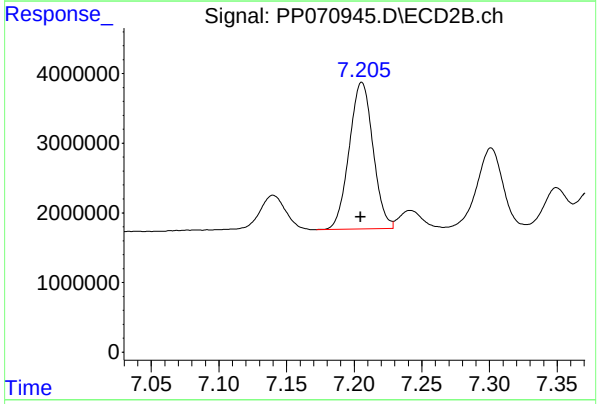
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 30750809
Conc: 564.37 ng/ml



#34 AR-1260-4

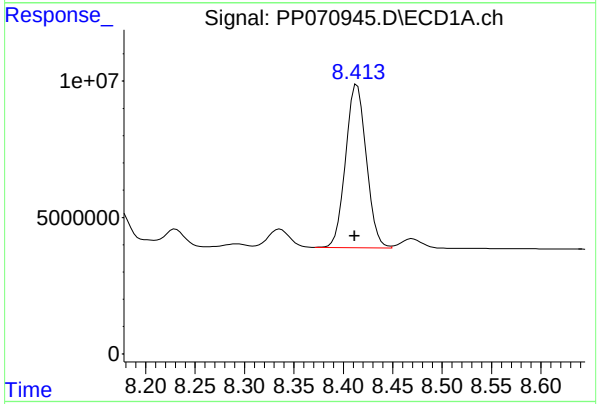
R.T.: 8.095 min
Delta R.T.: 0.003 min
Response: 41972897
Conc: 533.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725



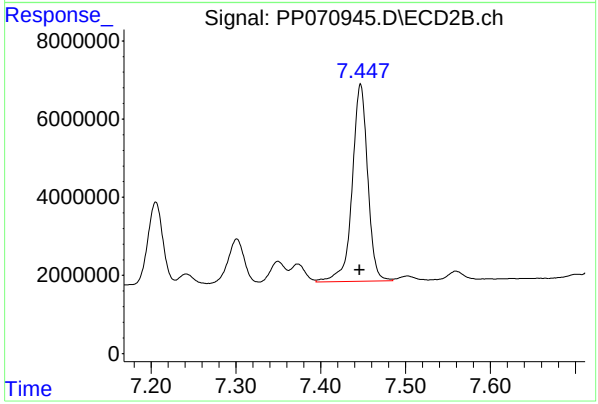
#34 AR-1260-4

R.T.: 7.206 min
Delta R.T.: 0.000 min
Response: 25791995
Conc: 539.28 ng/ml



#35 AR-1260-5

R.T.: 8.414 min
Delta R.T.: 0.003 min
Response: 87345749
Conc: 549.74 ng/ml



#35 AR-1260-5

R.T.: 7.447 min
Delta R.T.: 0.000 min
Response: 64063663
Conc: 514.53 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:42
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:00:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:58:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.816	78786041	55016883	53.357	51.300
2)	SA Decachlor...	10.230	8.859	57489647	39612860	53.073	51.065
	Target Compounds						
16)	L4 AR-1242-1	5.667	4.904	21998453	17657296	500.225	516.358
17)	L4 AR-1242-2	5.689	4.922	33746674	24829266	524.698	504.069
18)	L4 AR-1242-3	5.752	5.099	20359598	13889595	496.098	521.298
19)	L4 AR-1242-4	5.849	5.183	16580558	13666228	543.209	518.087
20)	L4 AR-1242-5	6.580	5.708	19203834	15992906	525.982	516.595

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

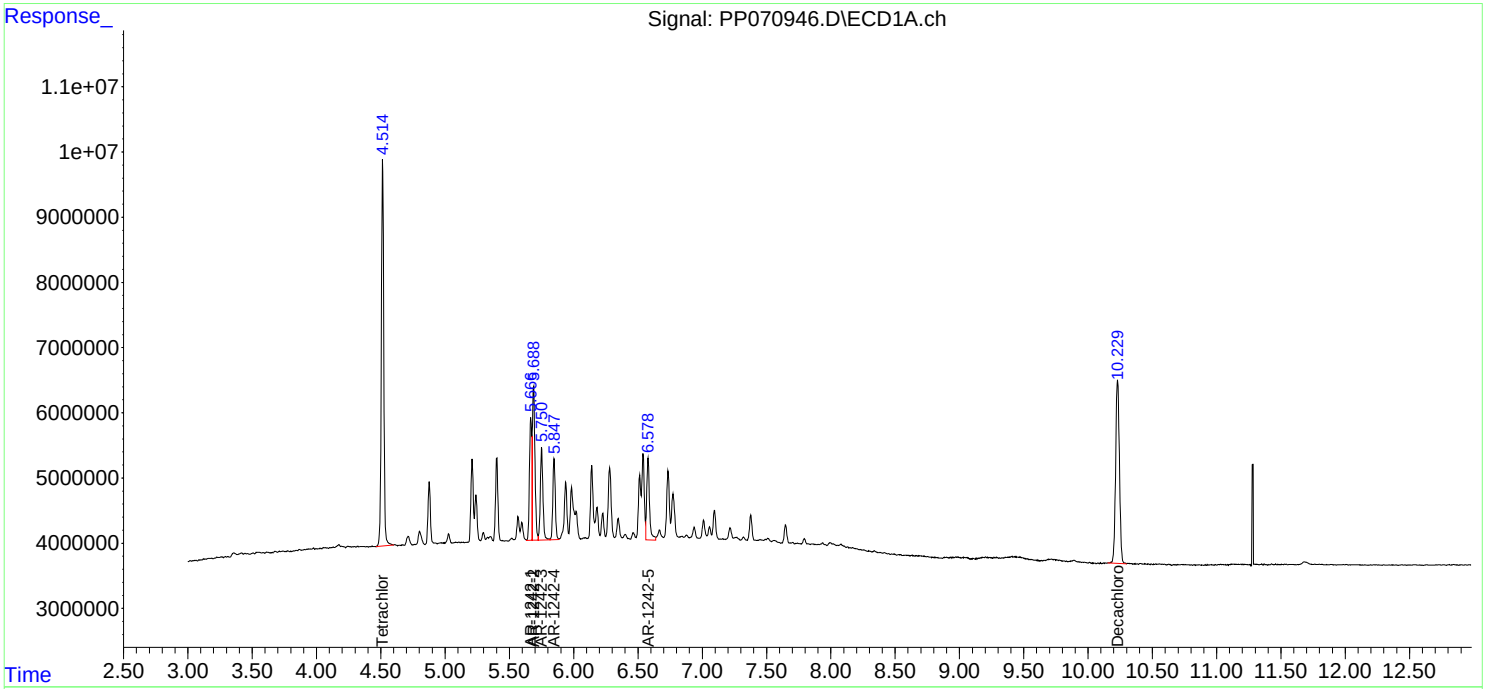
ICAL Form

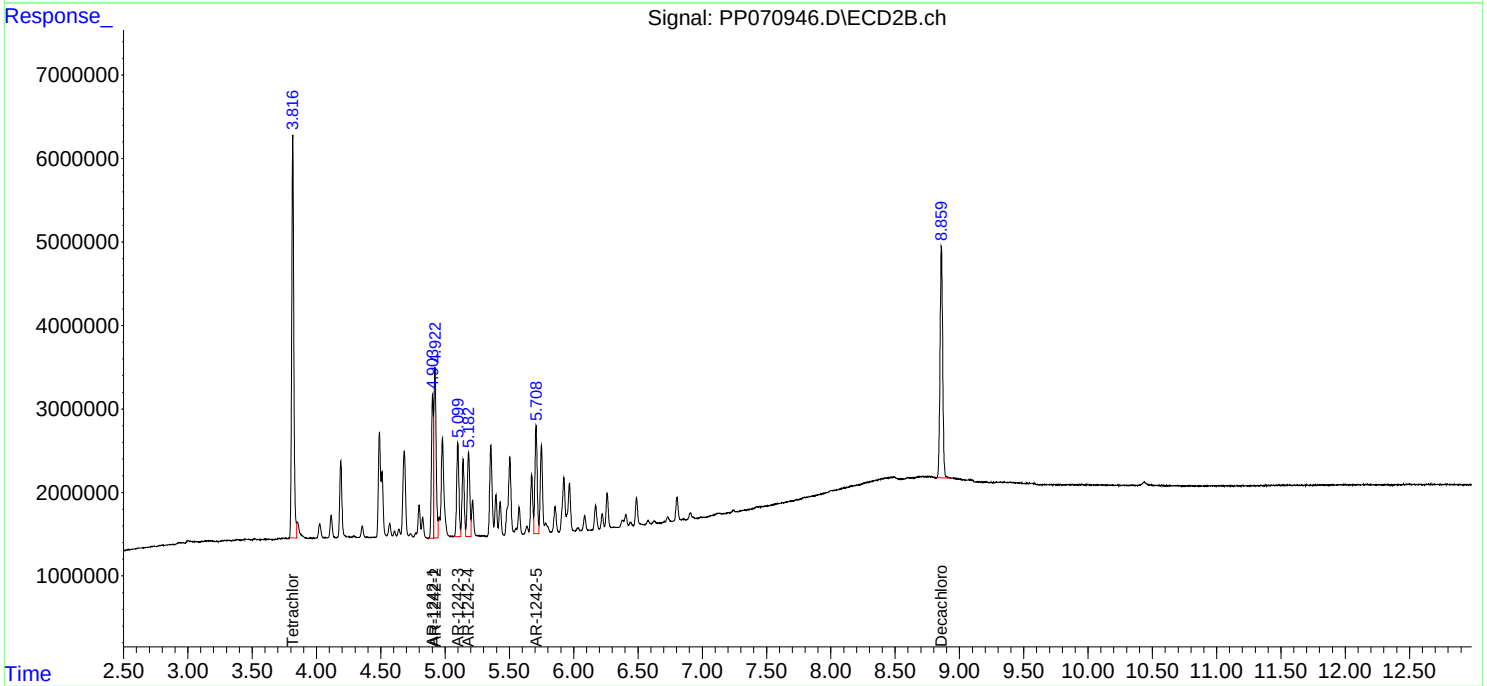
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:42
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

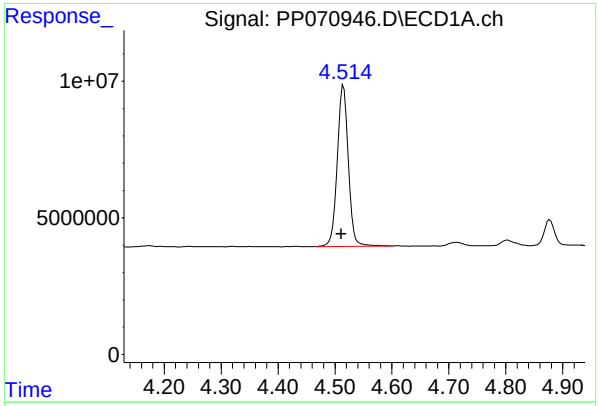
Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:00:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:58:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



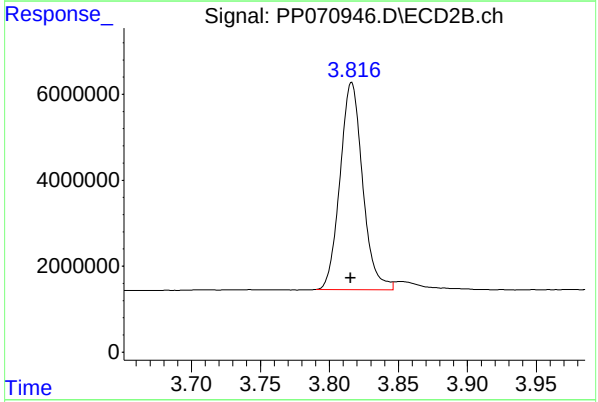




#1 Tetrachloro-m-xylene

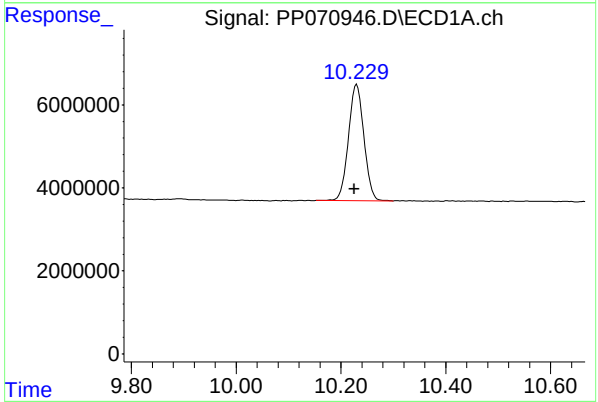
R.T.: 4.515 min
Delta R.T.: 0.004 min
Response: 78786041
Conc: 53.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1242



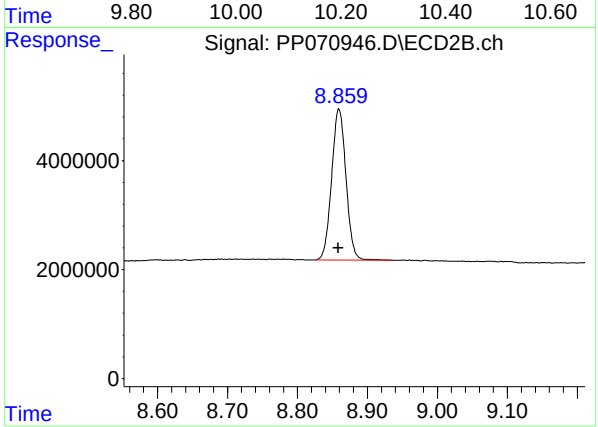
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55016883
Conc: 51.30 ng/ml



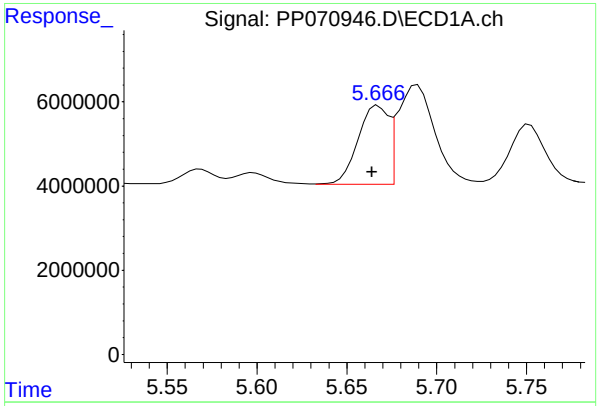
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.005 min
Response: 57489647
Conc: 53.07 ng/ml



#2 Decachlorobiphenyl

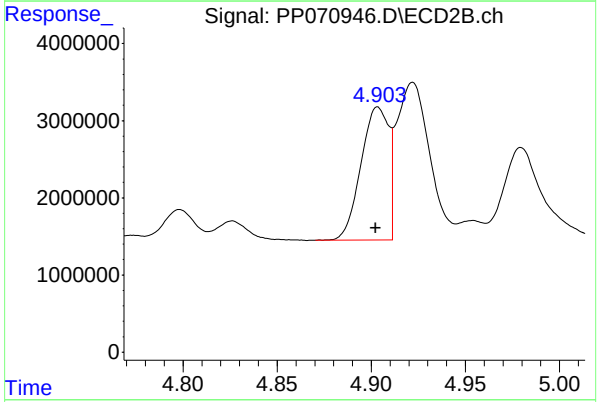
R.T.: 8.859 min
Delta R.T.: 0.001 min
Response: 39612860
Conc: 51.07 ng/ml



#16 AR-1242-1

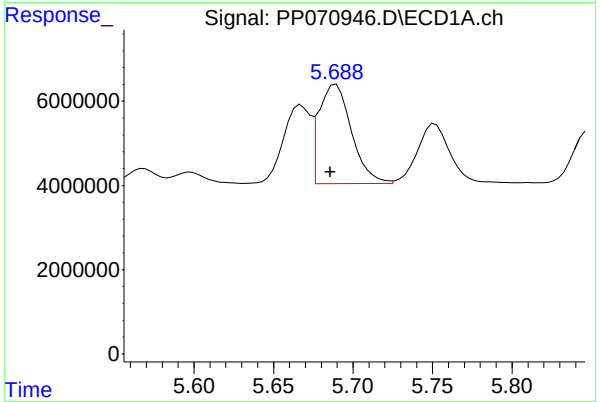
R.T.: 5.667 min
Delta R.T.: 0.003 min
Response: 21998453
Conc: 500.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1242



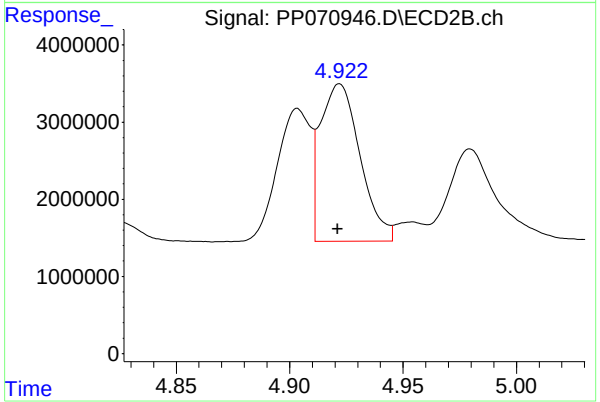
#16 AR-1242-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 17657296
Conc: 516.36 ng/ml



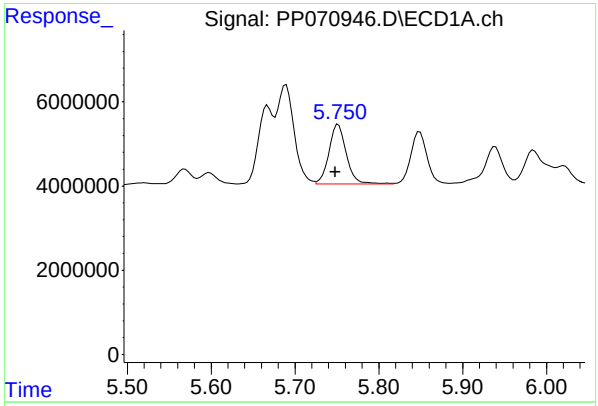
#17 AR-1242-2

R.T.: 5.689 min
Delta R.T.: 0.004 min
Response: 33746674
Conc: 524.70 ng/ml



#17 AR-1242-2

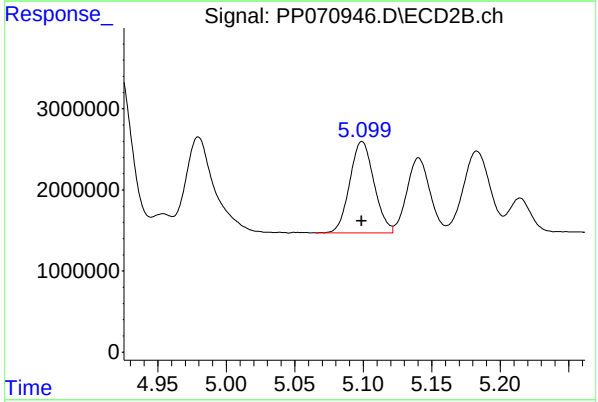
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 24829266
Conc: 504.07 ng/ml



#18 AR-1242-3

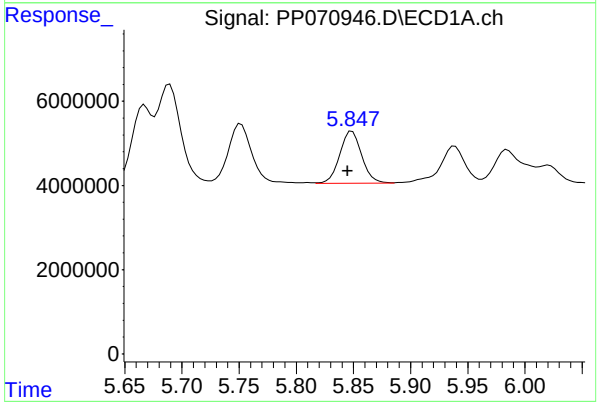
R.T.: 5.752 min
Delta R.T.: 0.004 min
Response: 20359598
Conc: 496.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1242



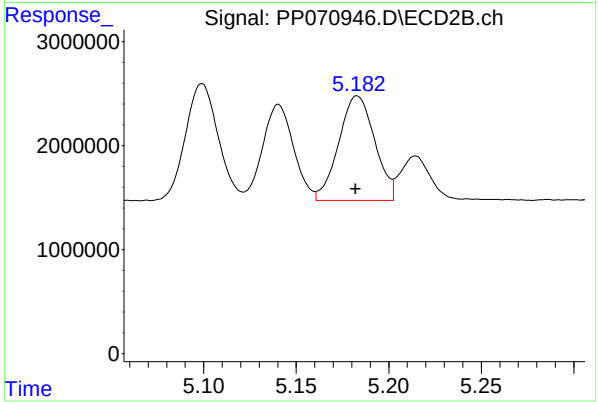
#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 13889595
Conc: 521.30 ng/ml



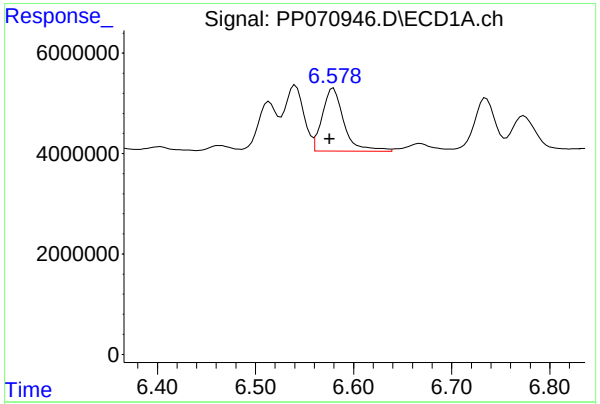
#19 AR-1242-4

R.T.: 5.849 min
Delta R.T.: 0.004 min
Response: 16580558
Conc: 543.21 ng/ml



#19 AR-1242-4

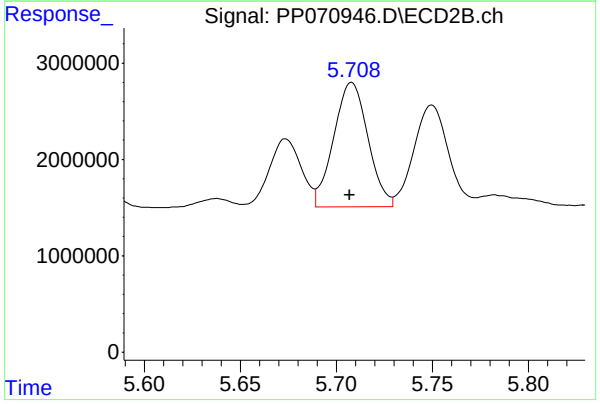
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 13666228
Conc: 518.09 ng/ml



#20 AR-1242-5

R.T.: 6.580 min
Delta R.T.: 0.004 min
Response: 19203834
Conc: 525.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1242



#20 AR-1242-5

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 15992906
Conc: 516.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:15
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 19:07:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.817	80868018	57291573	53.345	52.976
2)	SA Decachlor...	10.229	8.860	60625729	42784323	53.381	54.139
	Target Compounds						
21)	L5 AR-1248-1	5.666	4.904	17556753	15279017	483.824	564.218
22)	L5 AR-1248-2	5.937	5.141	24046455	20552003	535.096	559.658
23)	L5 AR-1248-3	6.140	5.183	26863901	21355068	530.514	552.390
24)	L5 AR-1248-4	6.539	5.356	33592146	24182903	523.670	535.719
25)	L5 AR-1248-5	6.578	5.750	32500443	22380961	534.140	524.405

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

Quantitation Report (QT Reviewed)

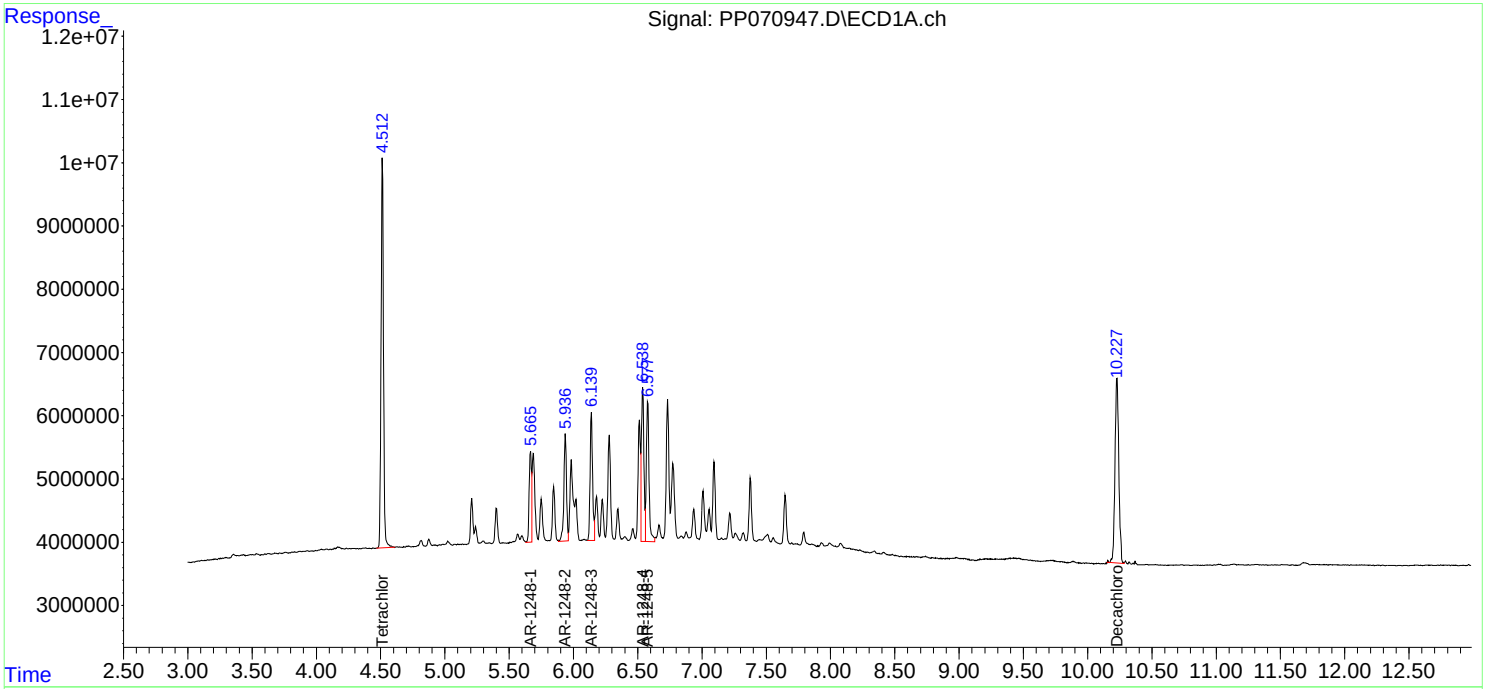
ICAL Form

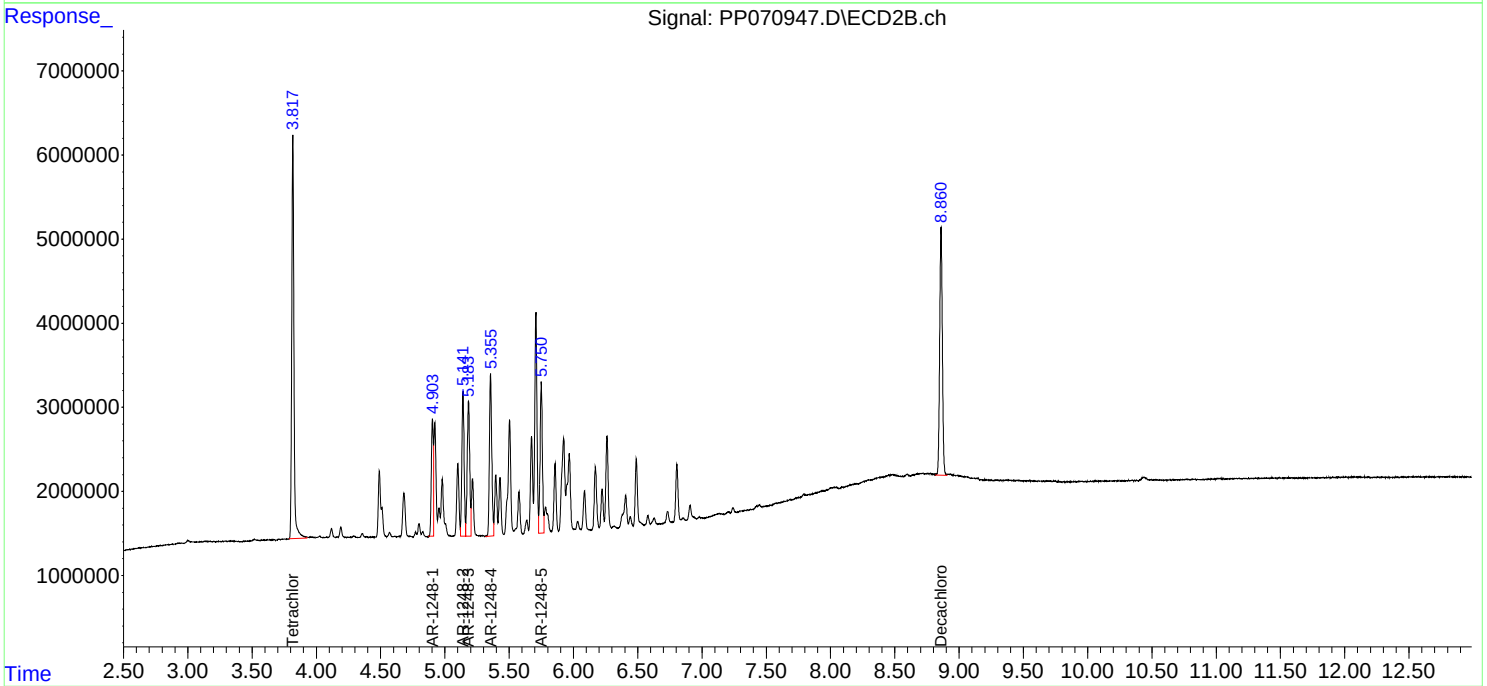
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:15
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

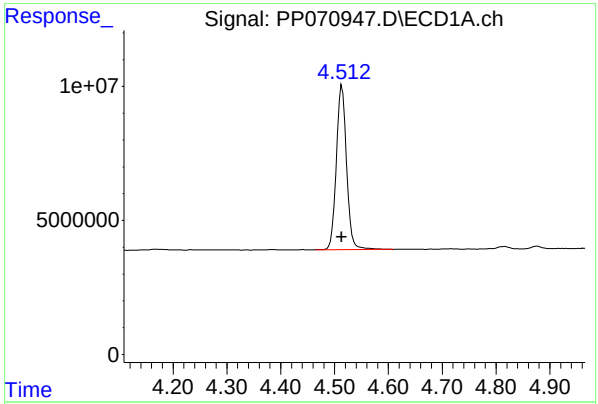
Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 19:07:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



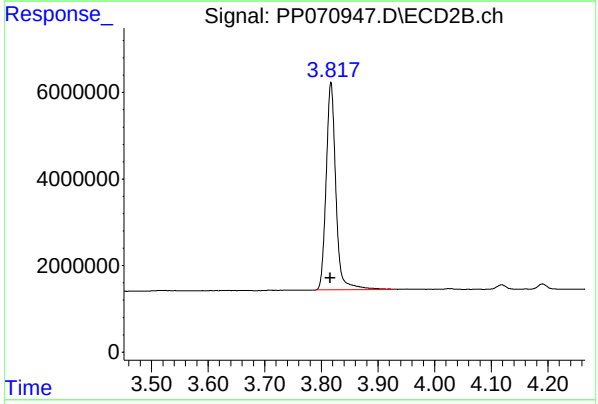




#1 Tetrachloro-m-xylene

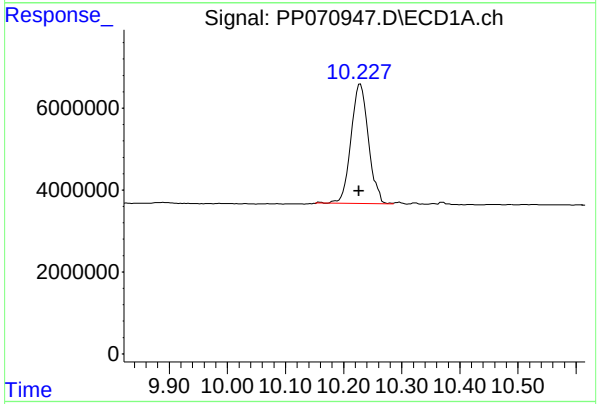
R.T.: 4.514 min
Delta R.T.: 0.000 mi
Response: 80868018
Conc: 53.34 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1248



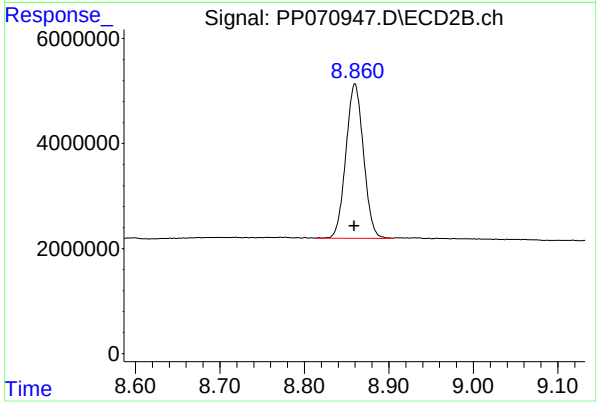
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.001 min
Response: 57291573
Conc: 52.98 ng/ml



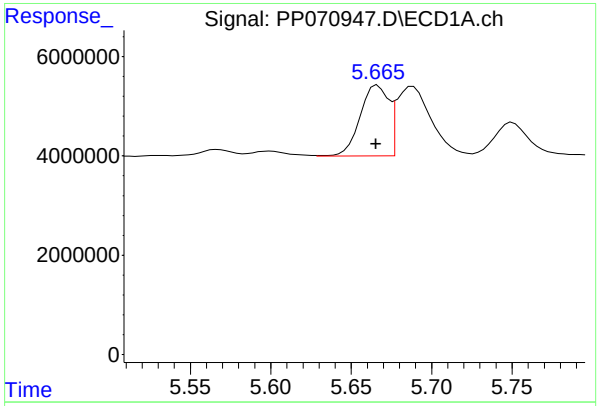
#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.002 min
Response: 60625729
Conc: 53.38 ng/ml



#2 Decachlorobiphenyl

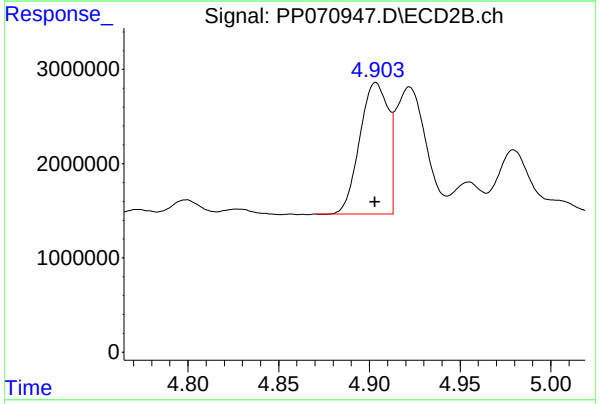
R.T.: 8.860 min
Delta R.T.: 0.001 min
Response: 42784323
Conc: 54.14 ng/ml



#21 AR-1248-1

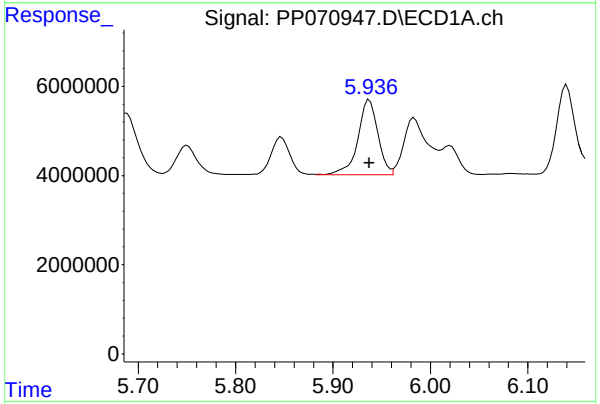
R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 17556753
Conc: 483.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1248



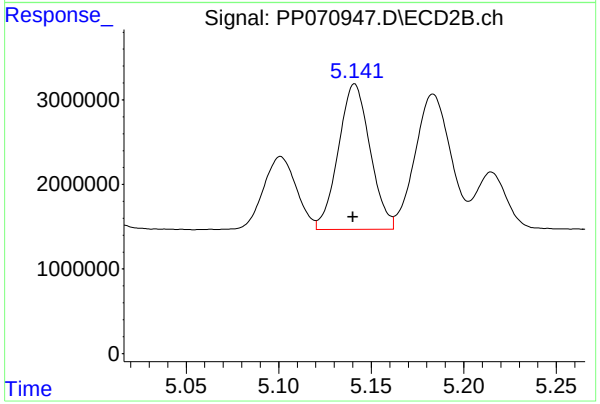
#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.000 min
Response: 15279017
Conc: 564.22 ng/ml



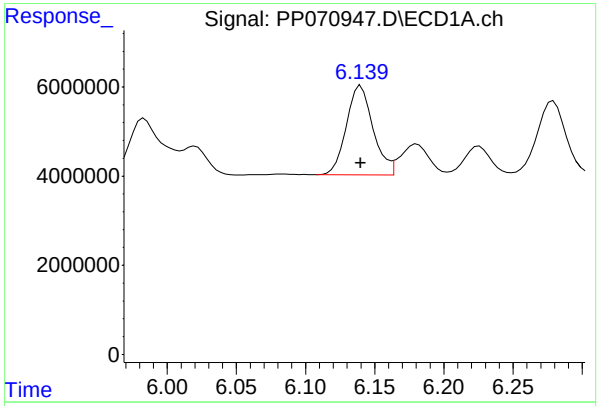
#22 AR-1248-2

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 24046455
Conc: 535.10 ng/ml



#22 AR-1248-2

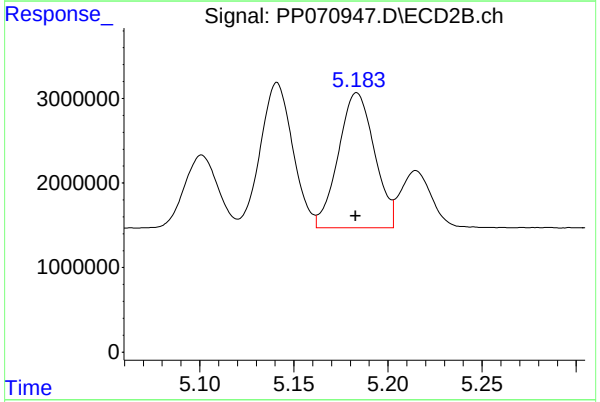
R.T.: 5.141 min
Delta R.T.: 0.001 min
Response: 20552003
Conc: 559.66 ng/ml



#23 AR-1248-3

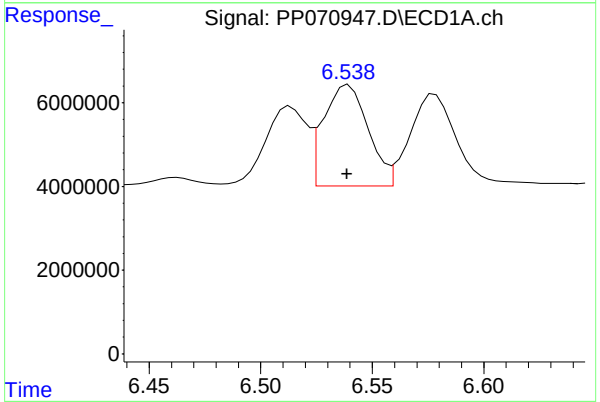
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 26863901
Conc: 530.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1248



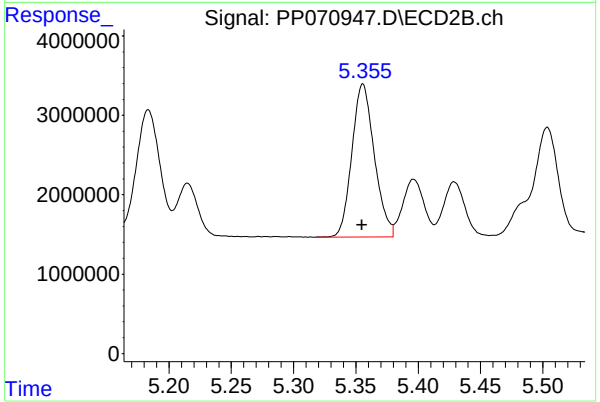
#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 21355068
Conc: 552.39 ng/ml



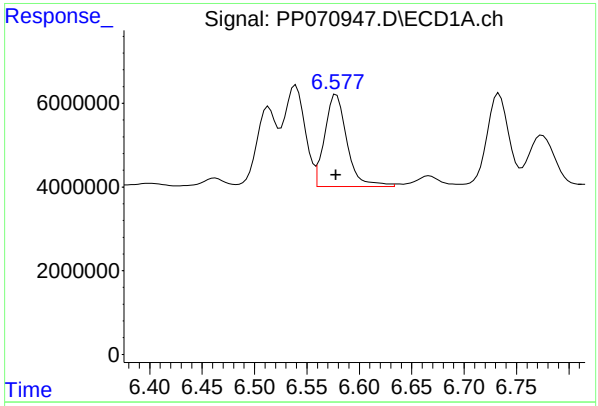
#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 33592146
Conc: 523.67 ng/ml



#24 AR-1248-4

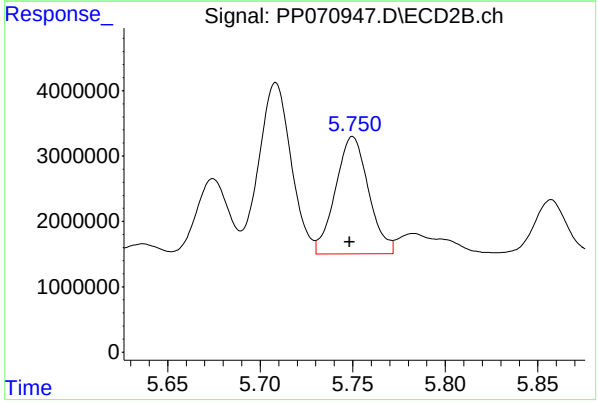
R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 24182903
Conc: 535.72 ng/ml



#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 mi
Response: 32500443
Conc: 534.14 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1248



#25 AR-1248-5

R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 22380961
Conc: 524.41 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:47
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1254

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:37:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.816	80813408	55809150	53.470	50.687
2)	SA Decachlor...	10.228	8.859	60442284	44113864	53.599	53.797
	Target Compounds						
26)	L6 AR-1254-1	6.514	5.708	34026950	33372474	528.449	505.507
27)	L6 AR-1254-2	6.730	5.856	52171420	28060451	516.086	491.442
28)	L6 AR-1254-3	7.093	6.260	52059367	42608413	522.014	490.647
29)	L6 AR-1254-4	7.375	6.489	45346150	27407702	523.647	488.547
30)	L6 AR-1254-5	7.790	6.907	41706053	36336253	519.049m	503.617

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:47
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

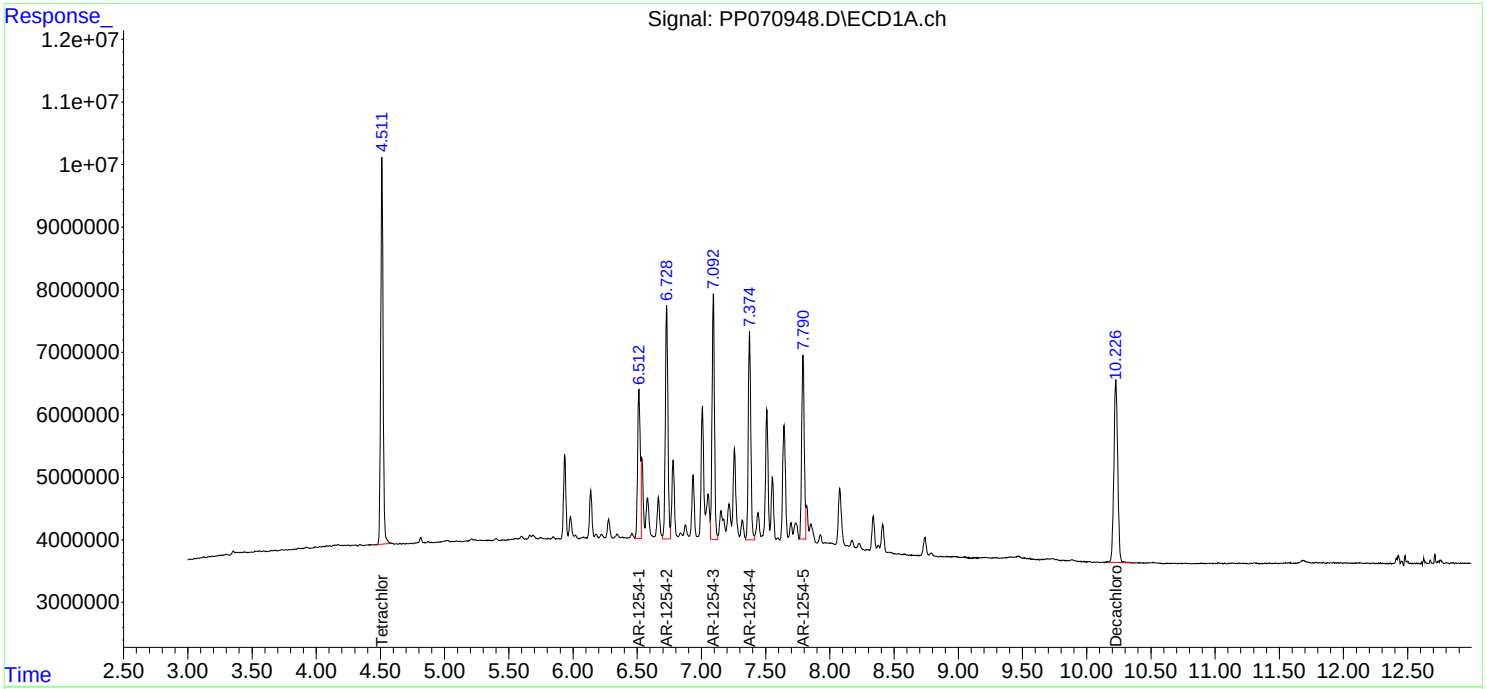
Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1254

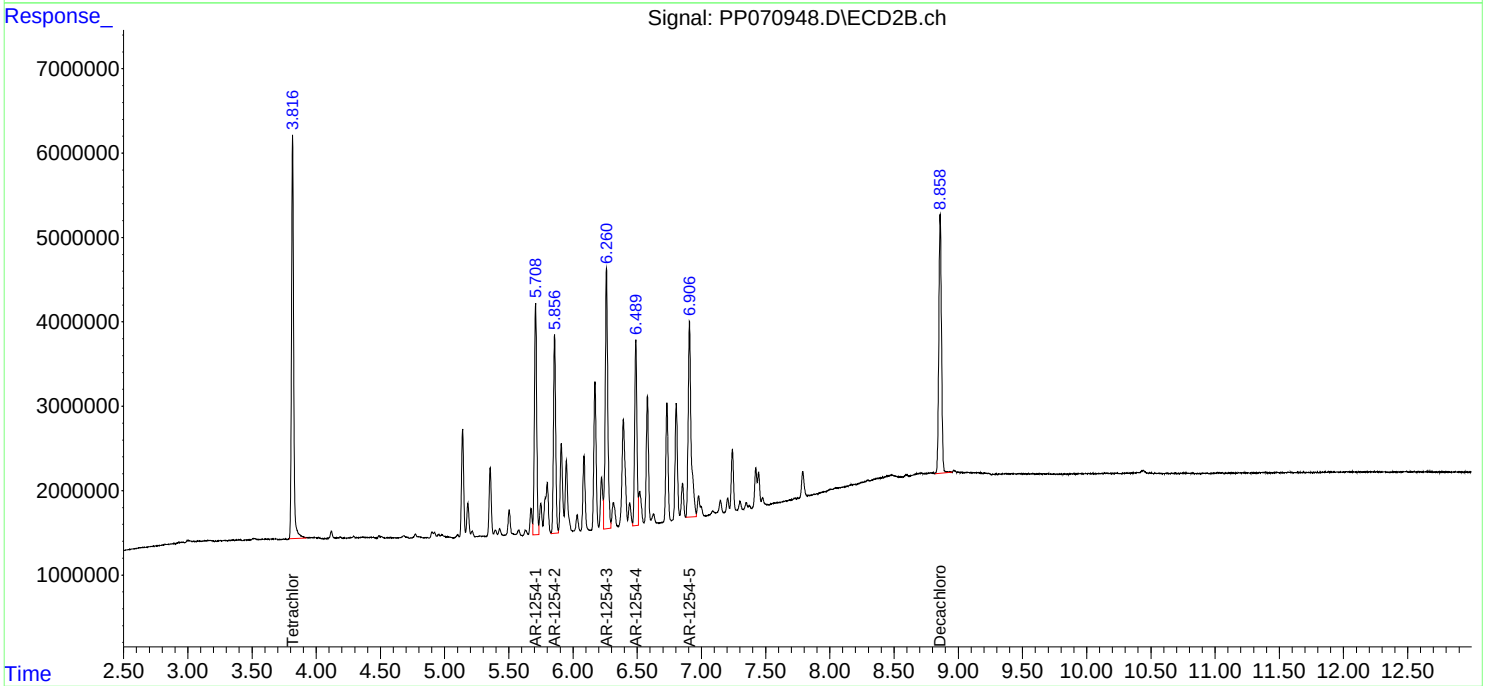
Manual Integrations APPROVED

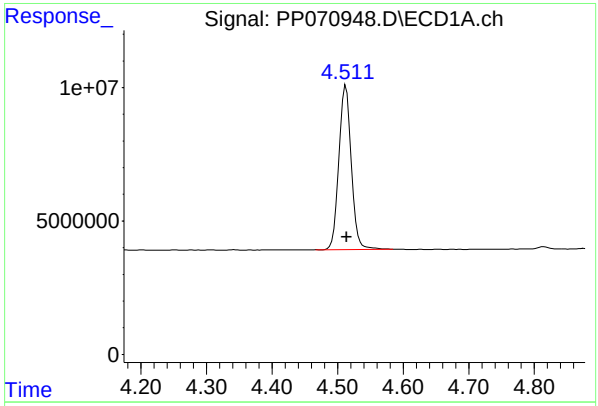
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:37:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







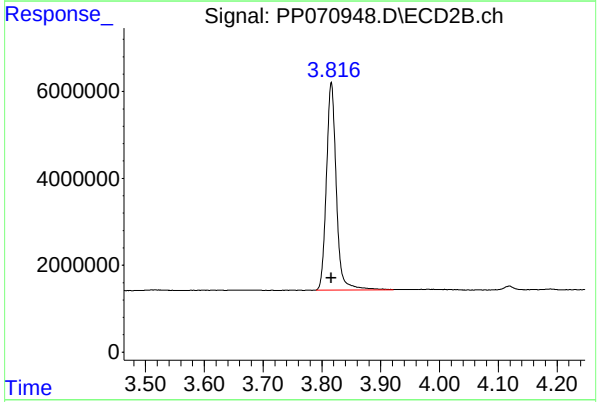
#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 80813408
Conc: 53.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1254

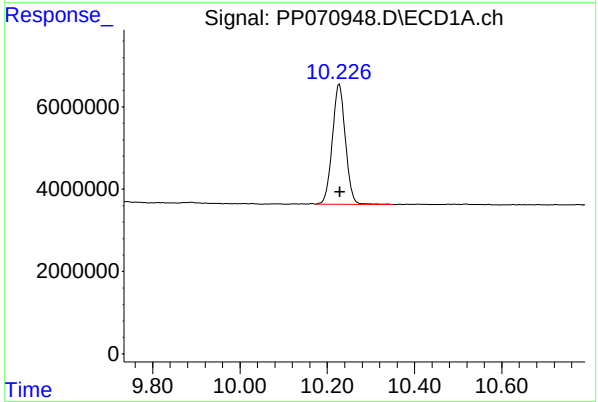
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



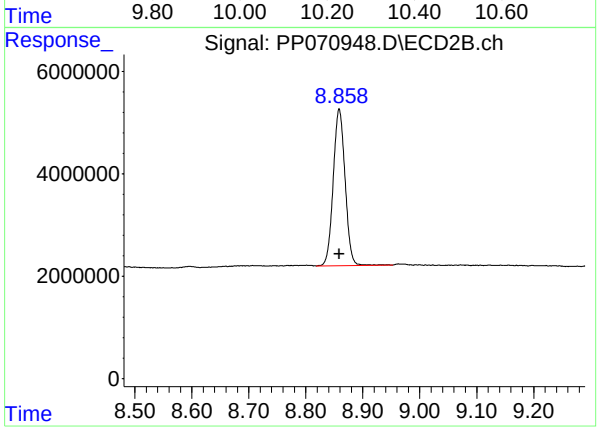
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55809150
Conc: 50.69 ng/ml



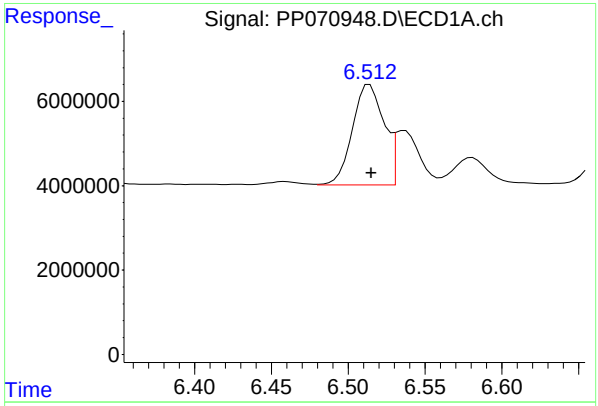
#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.002 min
Response: 60442284
Conc: 53.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 44113864
Conc: 53.80 ng/ml



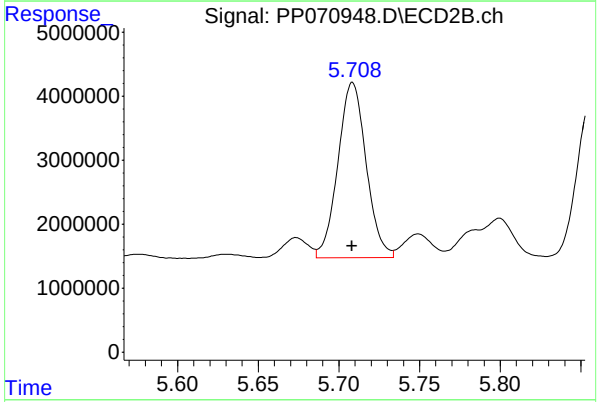
#26 AR-1254-1

R.T.: 6.514 min
Delta R.T.: -0.001 min
Response: 34026950
Conc: 528.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1254

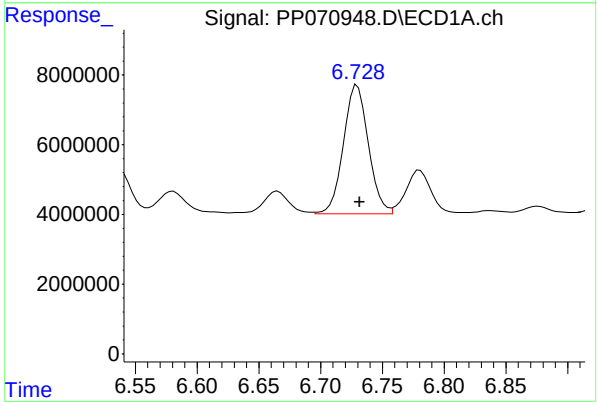
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



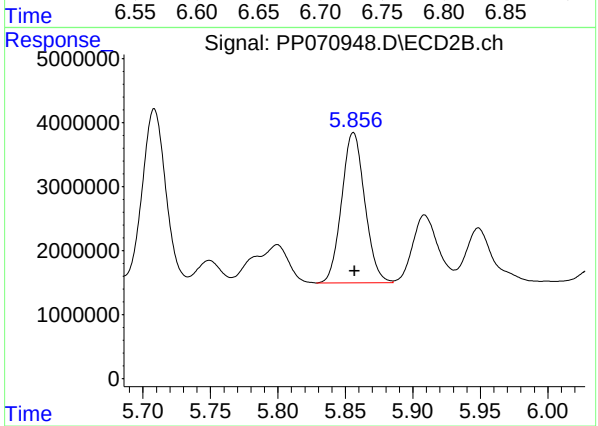
#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 33372474
Conc: 505.51 ng/ml



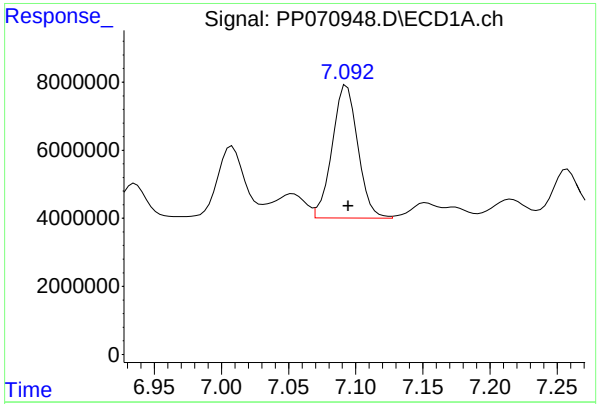
#27 AR-1254-2

R.T.: 6.730 min
Delta R.T.: -0.002 min
Response: 52171420
Conc: 516.09 ng/ml



#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 28060451
Conc: 491.44 ng/ml



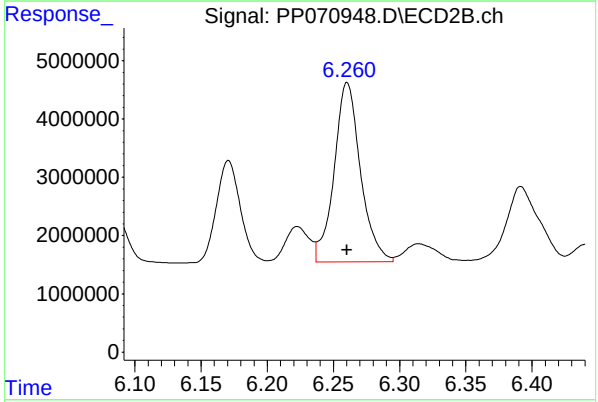
#28 AR-1254-3

R.T.: 7.093 min
Delta R.T.: -0.001 min
Response: 52059367
Conc: 522.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1254

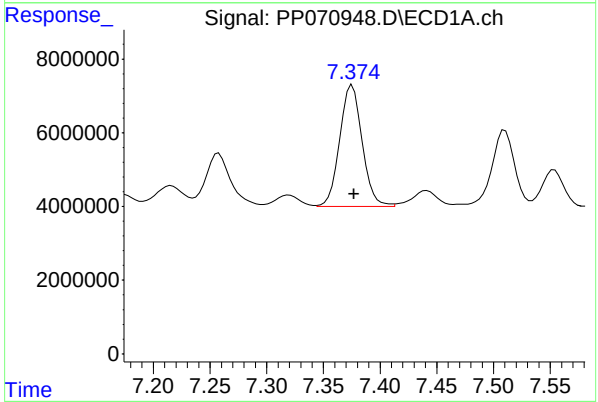
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



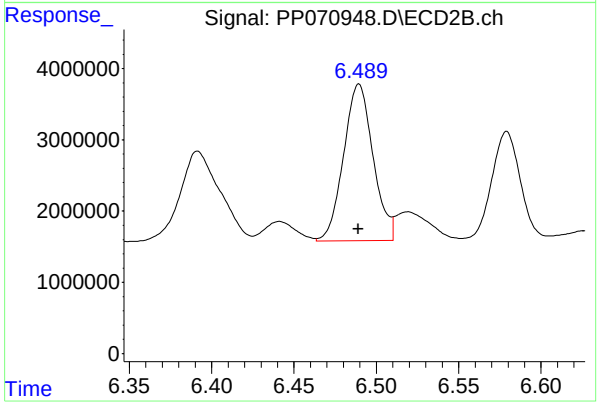
#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 42608413
Conc: 490.65 ng/ml



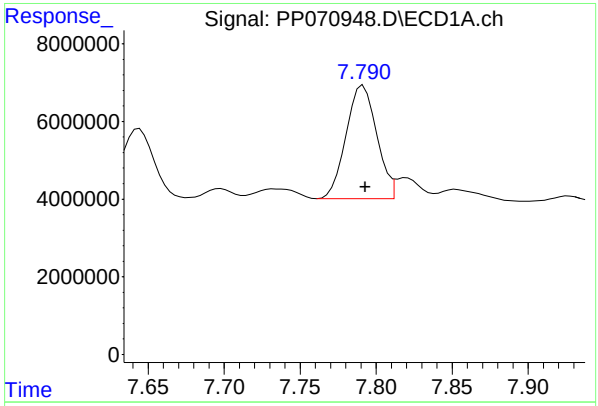
#29 AR-1254-4

R.T.: 7.375 min
Delta R.T.: -0.001 min
Response: 45346150
Conc: 523.65 ng/ml



#29 AR-1254-4

R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 27407702
Conc: 488.55 ng/ml



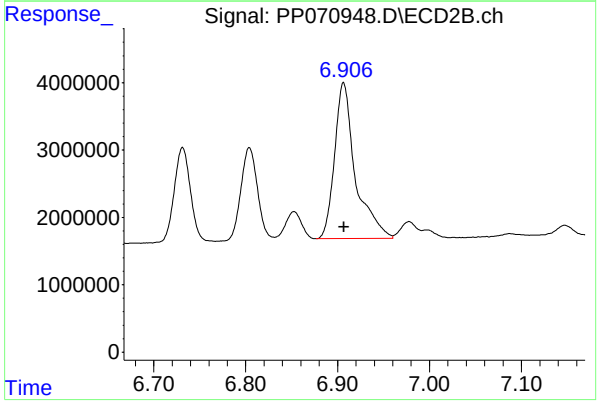
#30 AR-1254-5

R.T.: 7.790 min
Delta R.T.: -0.003 min
Response: 41706053
Conc: 519.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1254

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 36336253
Conc: 503.62 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 20:20
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:43:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.516	3.816	81260121	54086649	52.018	47.172
2)	SA Decachlor...	10.231	8.858	106.7E6	75635416	51.843	49.238
	Target Compounds						
41)	L9 AR-1268-1	8.729	7.728	122.6E6	85915063	520.500	501.249
42)	L9 AR-1268-2	8.822	7.793	102.3E6	71467631	523.804	498.787
43)	L9 AR-1268-3	9.054	7.999	88458310	61199335	517.562	496.952
44)	L9 AR-1268-4	9.472	8.292	37948087	26301297	536.390	498.006
45)	L9 AR-1268-5	9.889	8.595	246.0E6	175.8E6	516.662	485.835

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

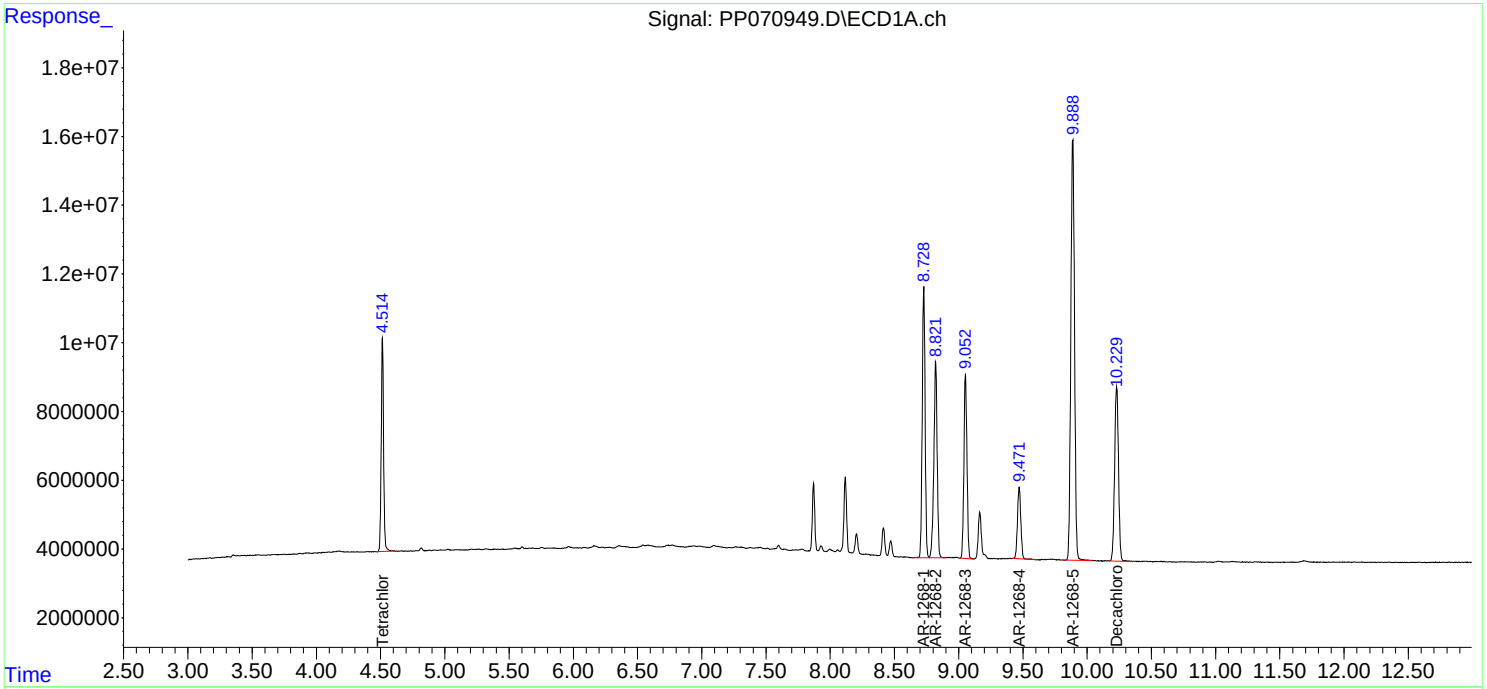
ICAL Form

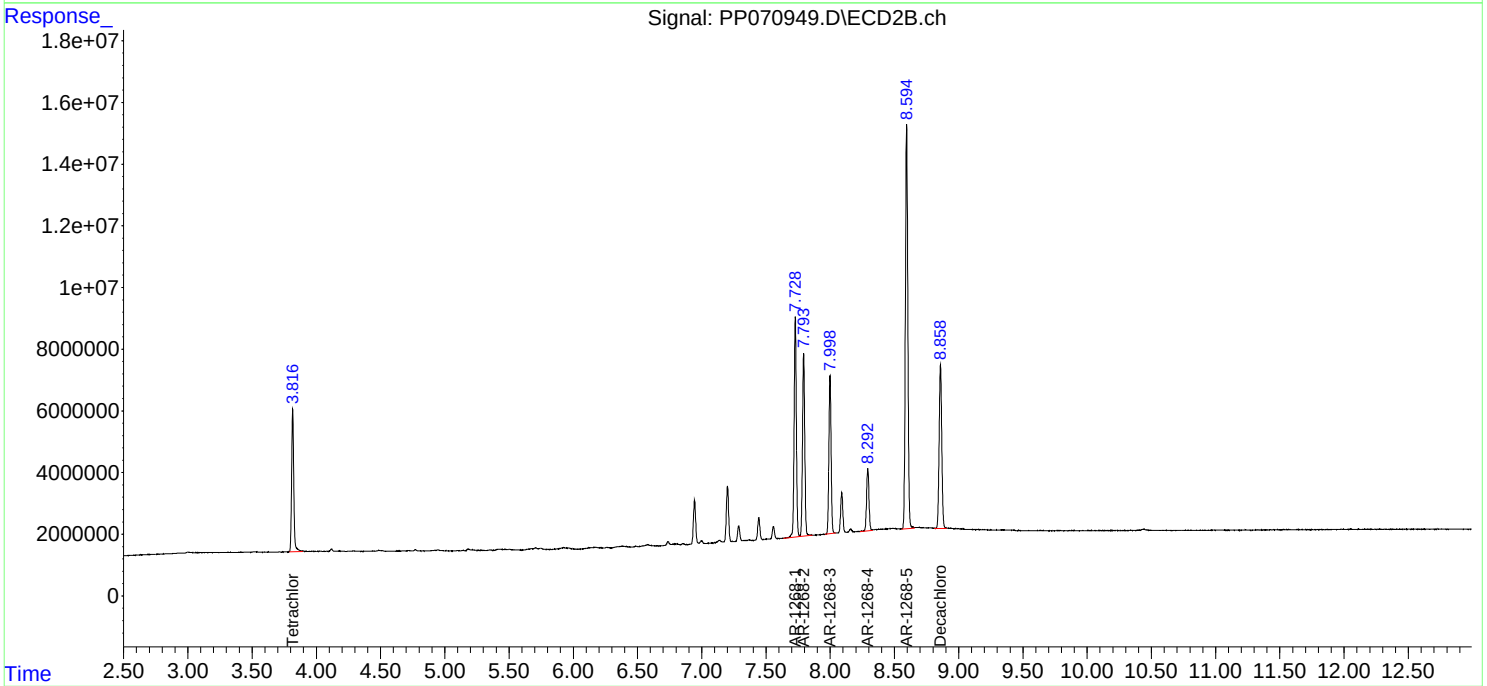
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 20:20
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

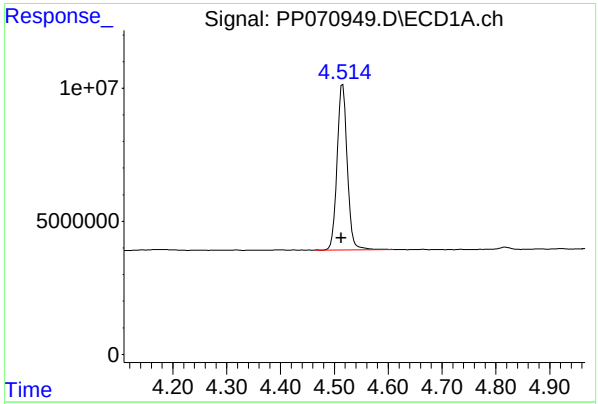
Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:43:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



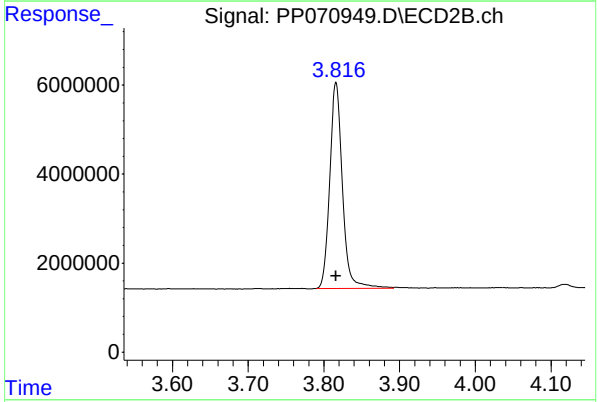




#1 Tetrachloro-m-xylene

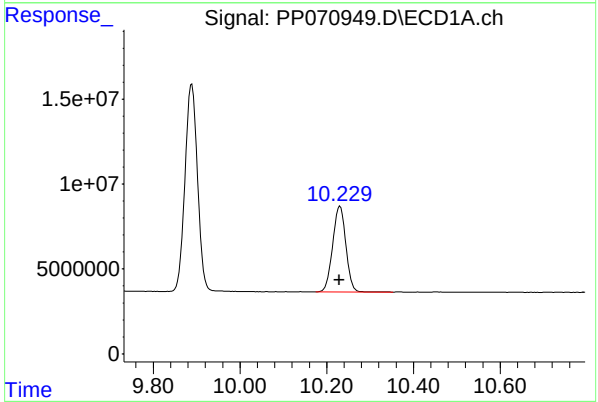
R.T.: 4.516 min
Delta R.T.: 0.003 min
Response: 81260121
Conc: 52.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1268



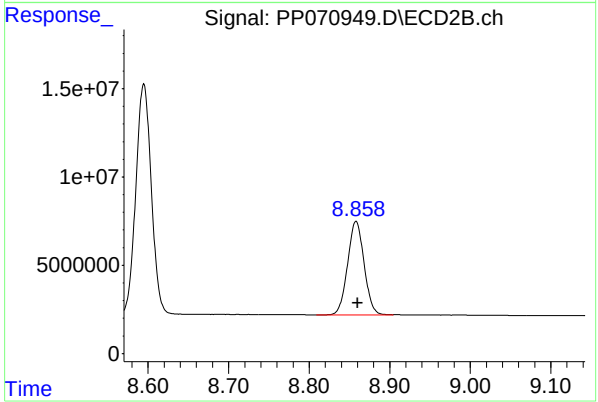
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 54086649
Conc: 47.17 ng/ml



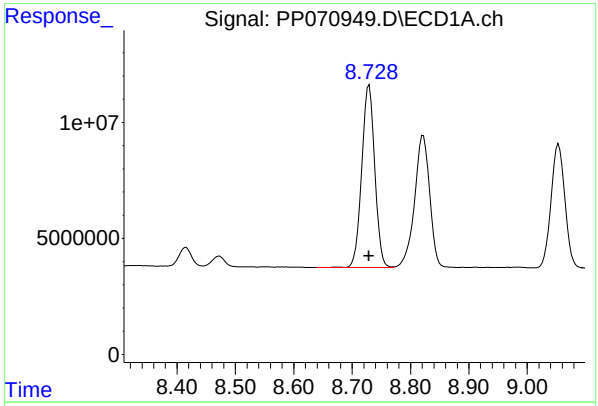
#2 Decachlorobiphenyl

R.T.: 10.231 min
Delta R.T.: 0.000 min
Response: 106656431
Conc: 51.84 ng/ml



#2 Decachlorobiphenyl

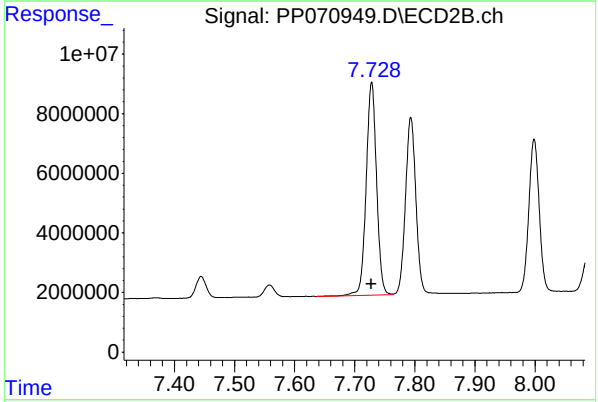
R.T.: 8.858 min
Delta R.T.: -0.002 min
Response: 75635416
Conc: 49.24 ng/ml



#41 AR-1268-1

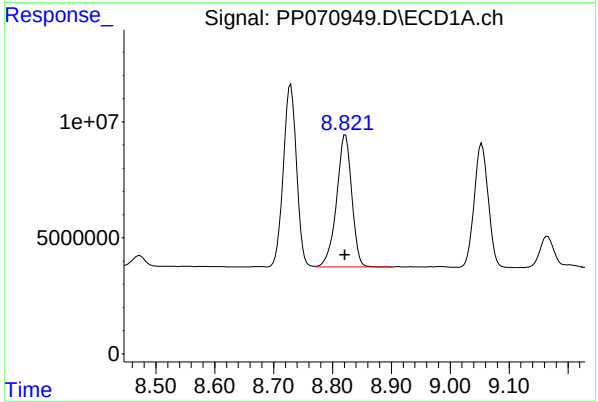
R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 122581794
Conc: 520.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1268



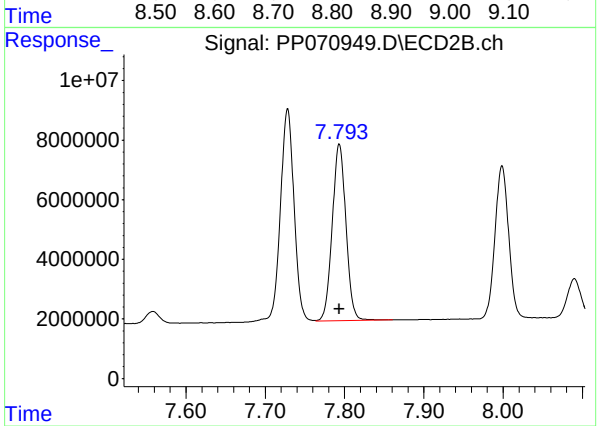
#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 85915063
Conc: 501.25 ng/ml



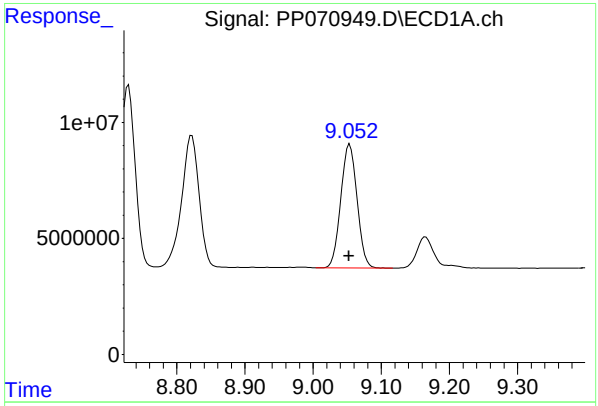
#42 AR-1268-2

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 102307003
Conc: 523.80 ng/ml



#42 AR-1268-2

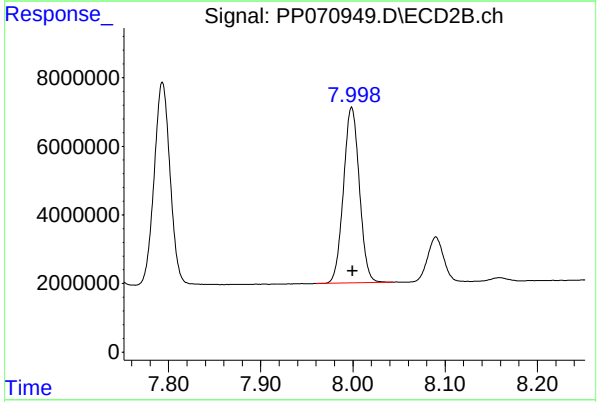
R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 71467631
Conc: 498.79 ng/ml



#43 AR-1268-3

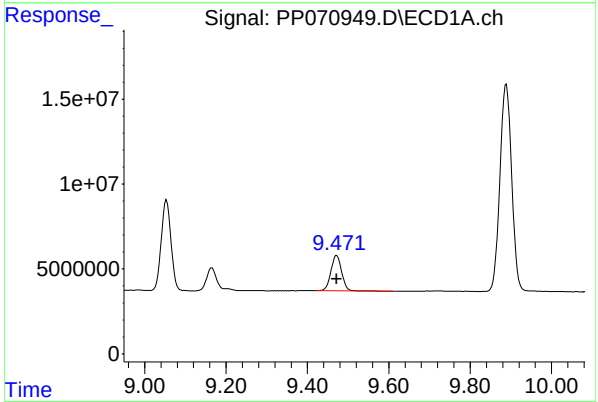
R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 88458310
Conc: 517.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1268



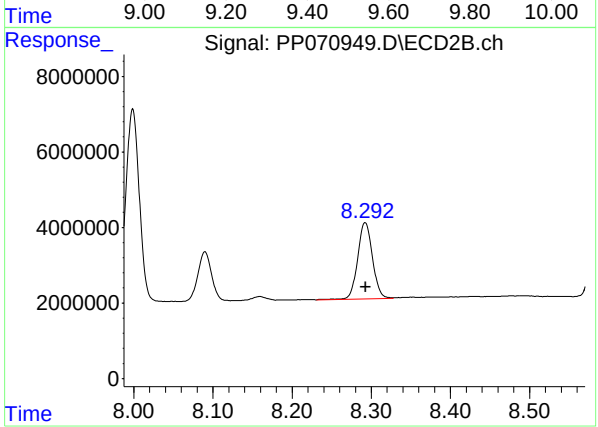
#43 AR-1268-3

R.T.: 7.999 min
Delta R.T.: -0.001 min
Response: 61199335
Conc: 496.95 ng/ml



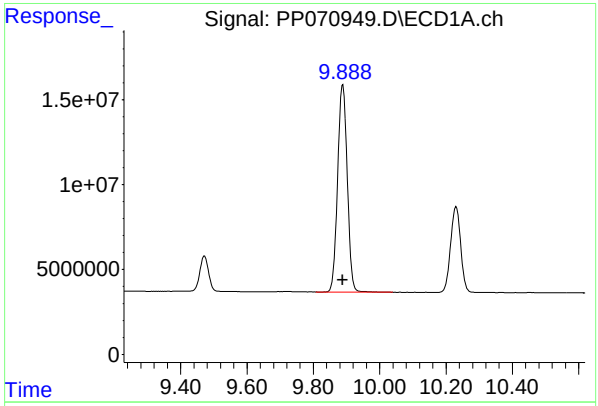
#44 AR-1268-4

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 37948087
Conc: 536.39 ng/ml



#44 AR-1268-4

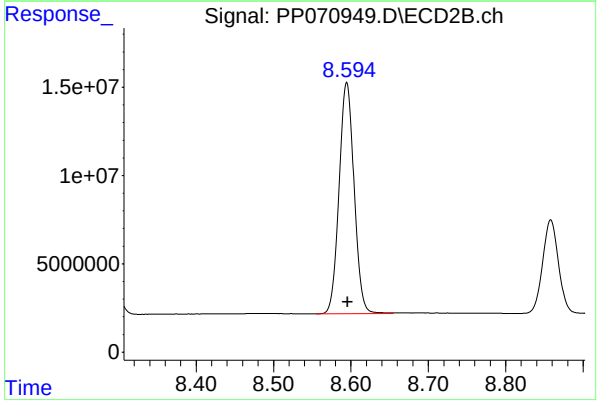
R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 26301297
Conc: 498.01 ng/ml



#45 AR-1268-5

R.T.: 9.889 min
Delta R.T.: 0.000 mi
Response: 246021928
Conc: 516.66 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP032725AR1268



#45 AR-1268-5

R.T.: 8.595 min
Delta R.T.: -0.001 min
Response: 175808654
Conc: 485.84 ng/ml

Raw Data: **PO110118.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 16:29 **Initial Calibration Time(s):** 14:03 22:15

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)	4.79	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-4	(4)	7.10	7.10	7.00	7.20	0.00
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

Raw Data: **PO110118.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 16:29 **Initial Calibration Time(s):** 14:03 22:15

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.01

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110118.D **Time Analyzed:** 16:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.785	4.685	4.885	538.480	500.000	7.7
Aroclor-1016-2	4.804	4.704	4.904	548.250	500.000	9.7
Aroclor-1016-3	4.860	4.761	4.961	546.100	500.000	9.2
Aroclor-1016-4	4.981	4.881	5.081	546.370	500.000	9.3
Aroclor-1016-5	5.239	5.139	5.339	543.190	500.000	8.6
Aroclor-1260-1	6.279	6.180	6.380	544.600	500.000	8.9
Aroclor-1260-2	6.468	6.369	6.569	524.610	500.000	4.9
Aroclor-1260-3	6.836	6.737	6.937	528.470	500.000	5.7
Aroclor-1260-4	7.097	6.998	7.198	517.950	500.000	3.6
Aroclor-1260-5	7.338	7.239	7.439	515.420	500.000	3.1
Decachlorobiphenyl	8.744	8.645	8.845	53.850	50.000	7.7
Tetrachloro-m-xylene	3.692	3.592	3.792	53.800	50.000	7.6

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110118.D **Time Analyzed:** 16:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.771	4.672	4.872	534.260	500.000	6.9
Aroclor-1016-2	4.790	4.691	4.891	530.240	500.000	6.0
Aroclor-1016-3	4.966	4.867	5.067	535.940	500.000	7.2
Aroclor-1016-4	5.008	4.909	5.109	529.170	500.000	5.8
Aroclor-1016-5	5.221	5.122	5.322	536.180	500.000	7.2
Aroclor-1260-1	6.253	6.155	6.355	512.810	500.000	2.6
Aroclor-1260-2	6.441	6.342	6.542	504.090	500.000	0.8
Aroclor-1260-3	6.594	6.495	6.695	490.210	500.000	-2.0
Aroclor-1260-4	7.066	6.967	7.167	485.320	500.000	-2.9
Aroclor-1260-5	7.306	7.207	7.407	481.080	500.000	-3.8
Decachlorobiphenyl	8.695	8.596	8.796	48.510	50.000	-3.0
Tetrachloro-m-xylene	3.689	3.590	3.790	54.630	50.000	9.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 16:29
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 16:42:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	489.7E6	286.5E6	53.802	54.632
2)	SA Decachlor...	8.744	8.695	414.0E6	117.7E6	53.849	48.511
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.771	181.2E6	97906331	538.476	534.263
4)	L1 AR-1016-2	4.804	4.790	254.2E6	138.7E6	548.249	530.242
5)	L1 AR-1016-3	4.860	4.966	175.1E6	75985035	546.097	535.941
6)	L1 AR-1016-4	4.981	5.008	138.1E6	62404907	546.365	529.170
7)	L1 AR-1016-5	5.239	5.221	149.3E6	81992307	543.186	536.182
31)	L7 AR-1260-1	6.279	6.253	256.7E6	131.0E6	544.598	512.808
32)	L7 AR-1260-2	6.468	6.441	312.4E6	151.4E6	524.607	504.086
33)	L7 AR-1260-3	6.836	6.594	256.5E6	141.7E6	528.475	490.209
34)	L7 AR-1260-4	7.097	7.066	219.7E6	104.4E6	517.949	485.325
35)	L7 AR-1260-5	7.338	7.306	539.0E6	239.9E6	515.418	481.080

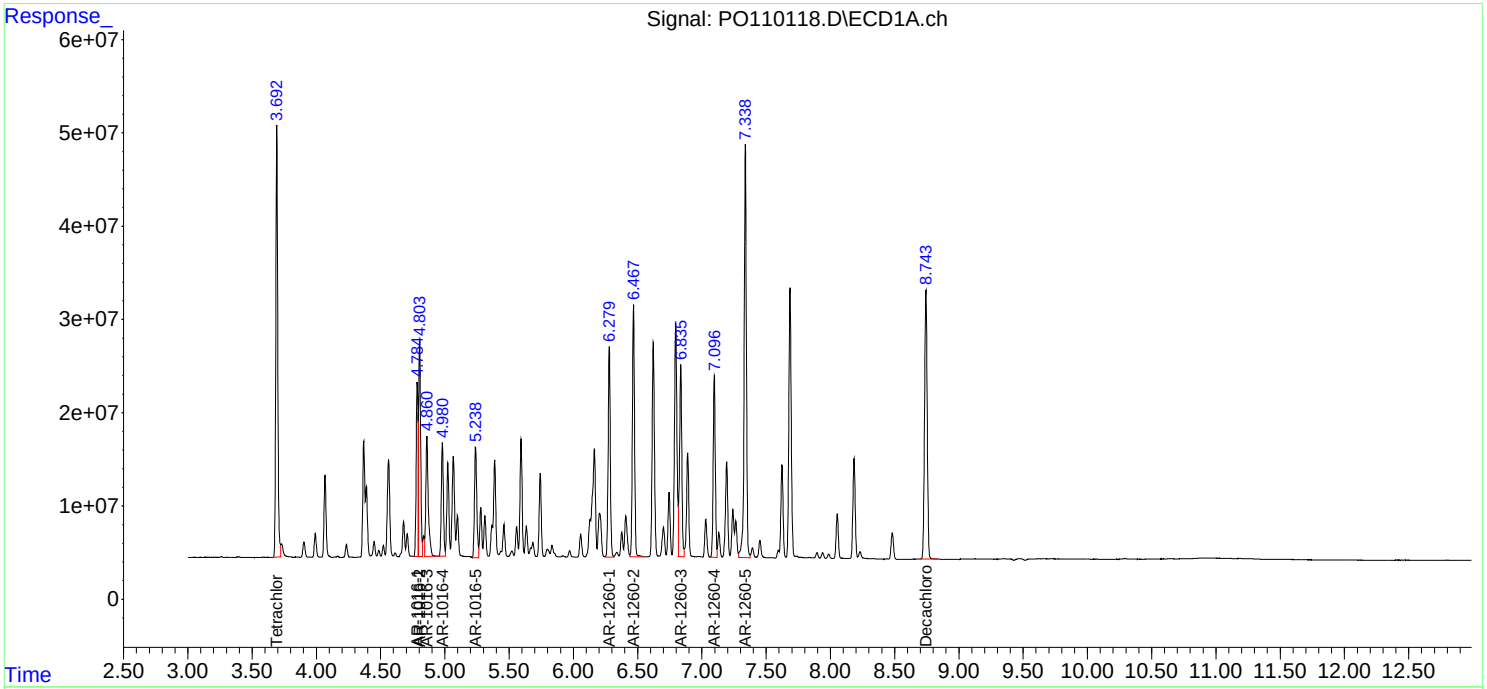
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

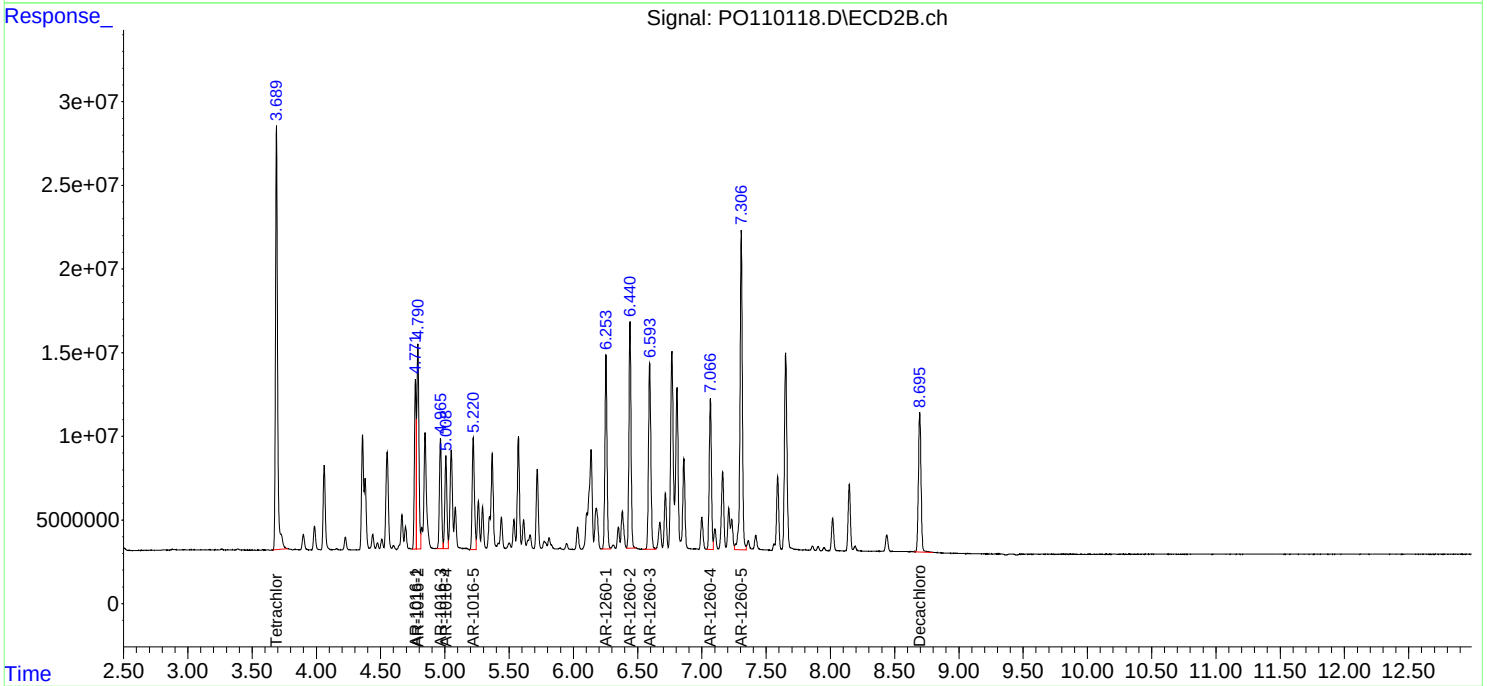
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 16:29
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

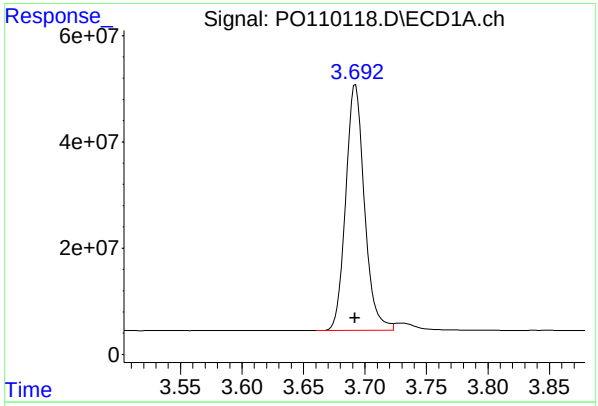
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 16:42:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



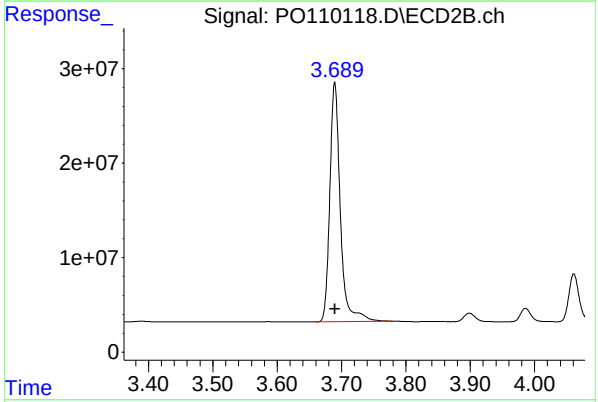




#1 Tetrachloro-m-xylene

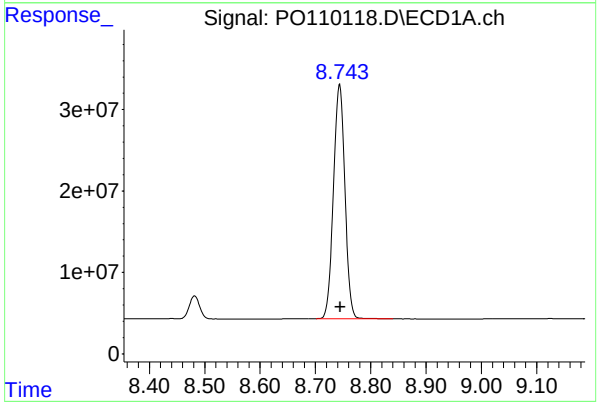
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 489676546
Conc: 53.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



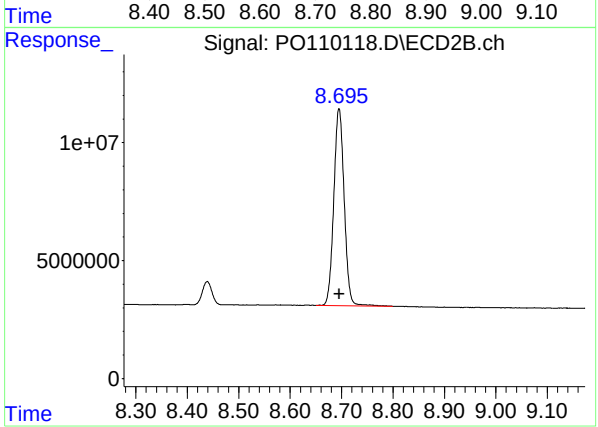
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 286495543
Conc: 54.63 ng/ml



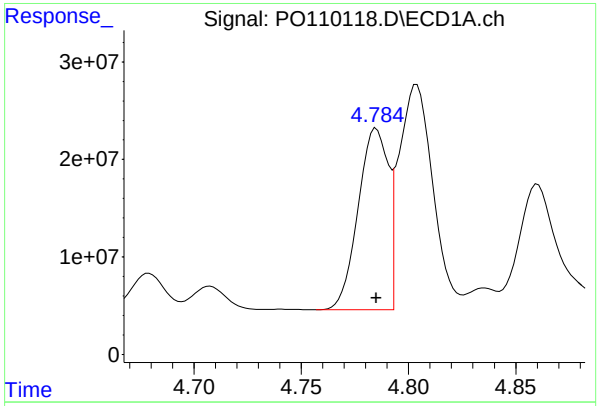
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 414027429
Conc: 53.85 ng/ml



#2 Decachlorobiphenyl

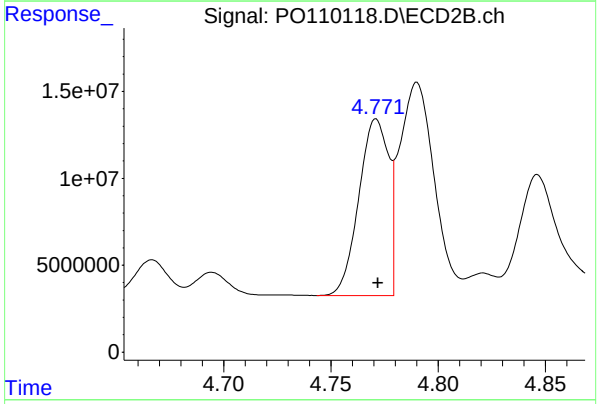
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 117693246
Conc: 48.51 ng/ml



#3 AR-1016-1

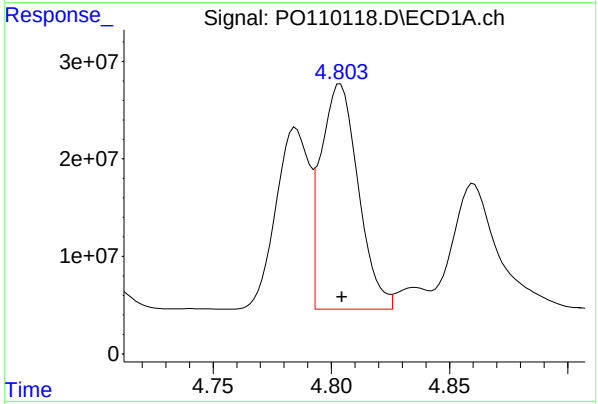
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 181221056
Conc: 538.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



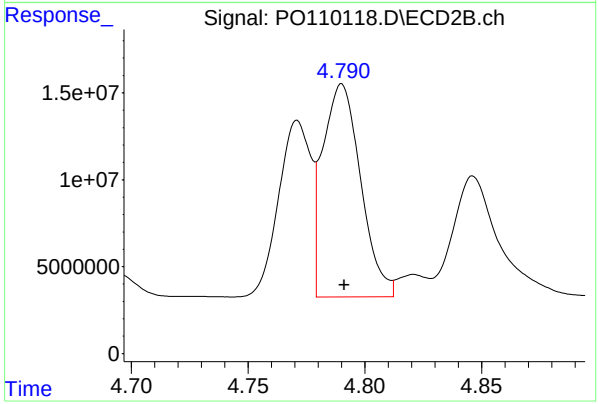
#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 97906331
Conc: 534.26 ng/ml



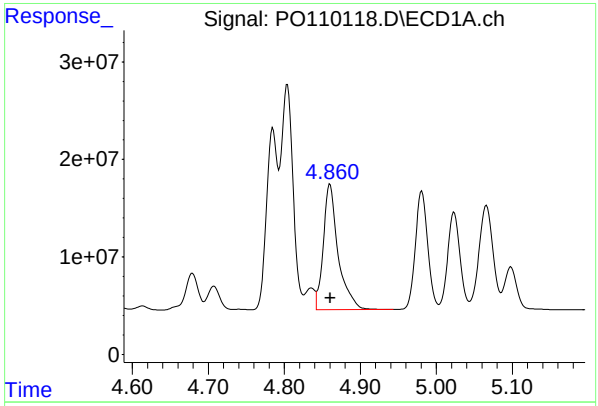
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 254215111
Conc: 548.25 ng/ml



#4 AR-1016-2

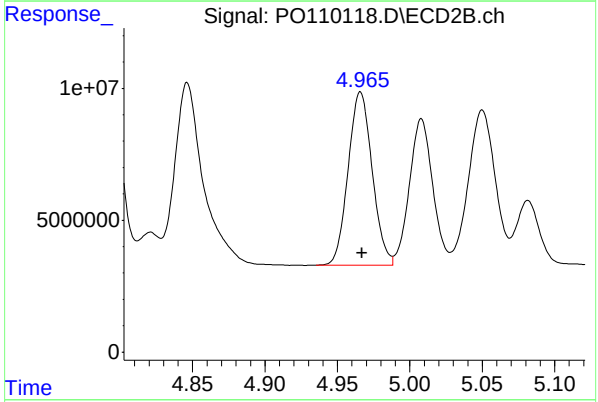
R.T.: 4.790 min
Delta R.T.: -0.001 min
Response: 138660624
Conc: 530.24 ng/ml



#5 AR-1016-3

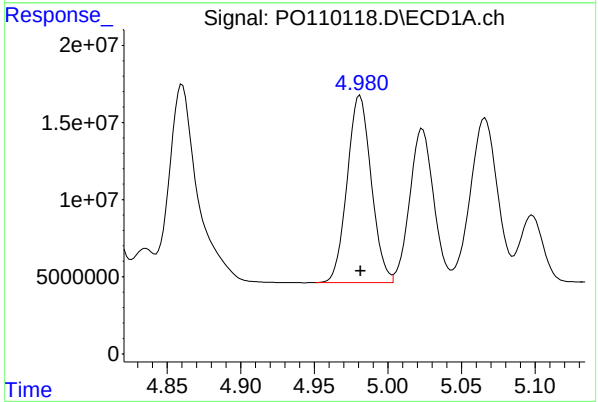
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 175071201
Conc: 546.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



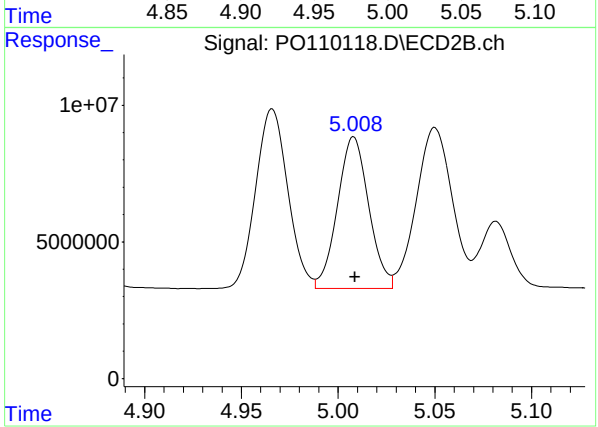
#5 AR-1016-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 75985035
Conc: 535.94 ng/ml



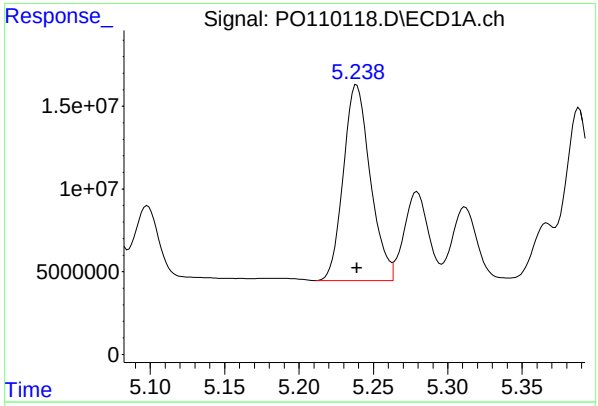
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 138060629
Conc: 546.37 ng/ml



#6 AR-1016-4

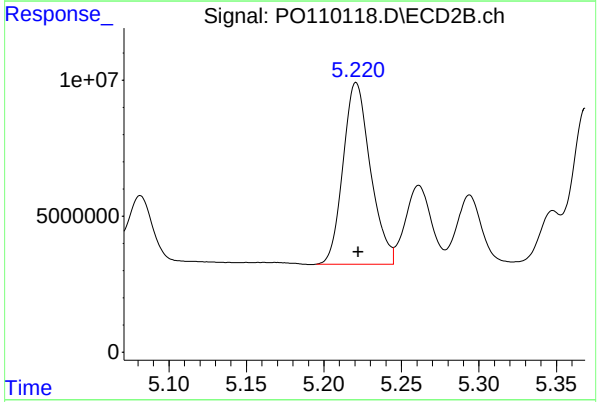
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 62404907
Conc: 529.17 ng/ml



#7 AR-1016-5

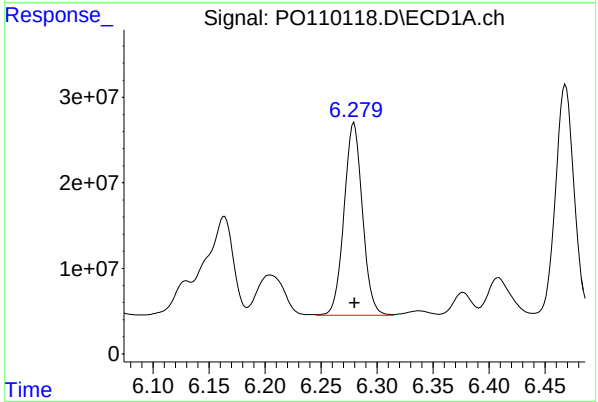
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 149303944
Conc: 543.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



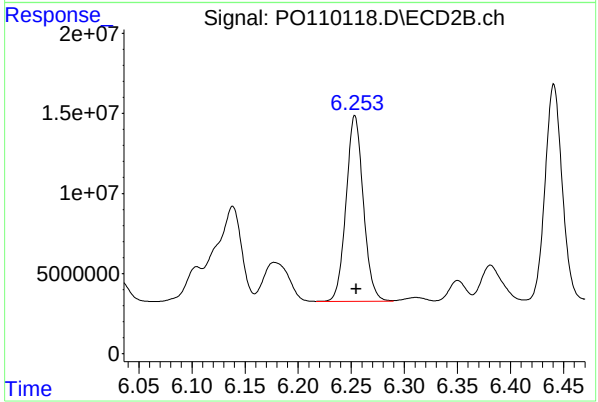
#7 AR-1016-5

R.T.: 5.221 min
Delta R.T.: -0.001 min
Response: 81992307
Conc: 536.18 ng/ml



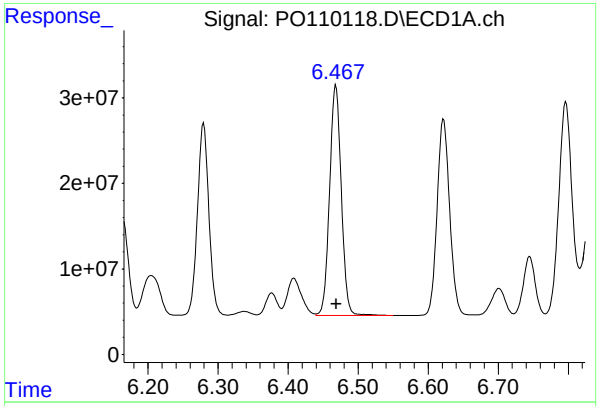
#31 AR-1260-1

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 256696728
Conc: 544.60 ng/ml



#31 AR-1260-1

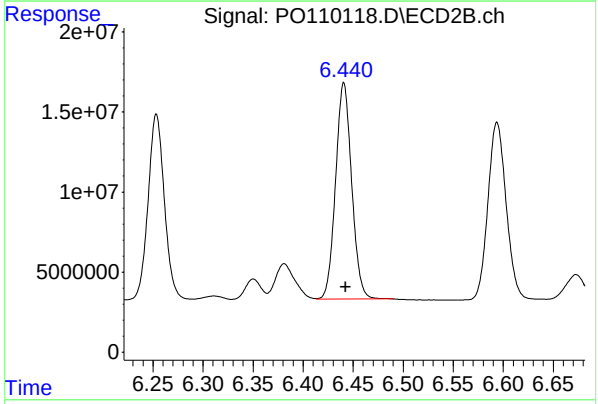
R.T.: 6.253 min
Delta R.T.: -0.001 min
Response: 130992719
Conc: 512.81 ng/ml



#32 AR-1260-2

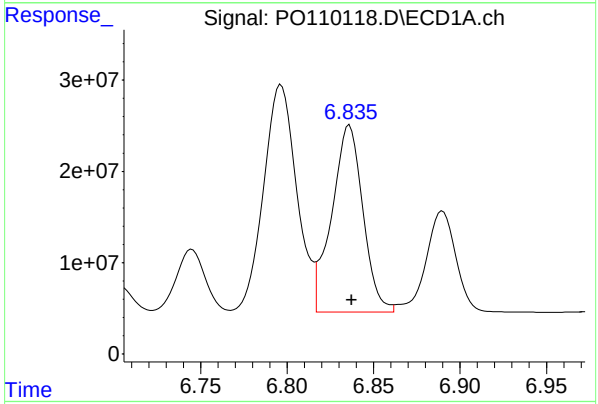
R.T.: 6.468 min
Delta R.T.: 0.000 min
Response: 312413280
Conc: 524.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



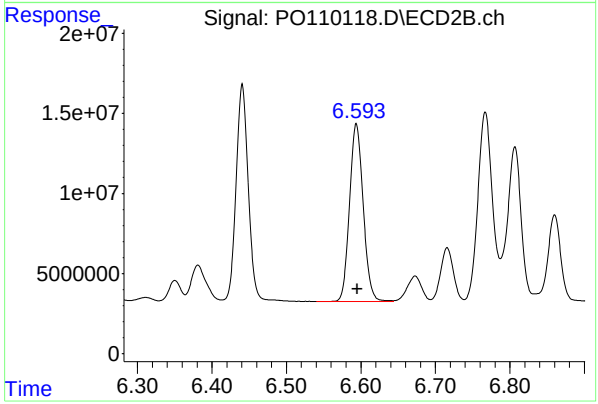
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.002 min
Response: 151369679
Conc: 504.09 ng/ml



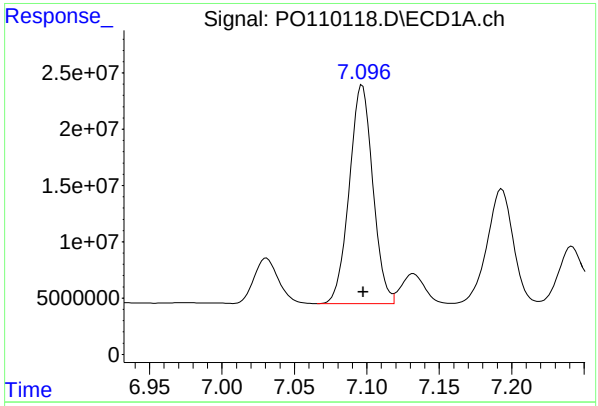
#33 AR-1260-3

R.T.: 6.836 min
Delta R.T.: -0.001 min
Response: 256469727
Conc: 528.47 ng/ml



#33 AR-1260-3

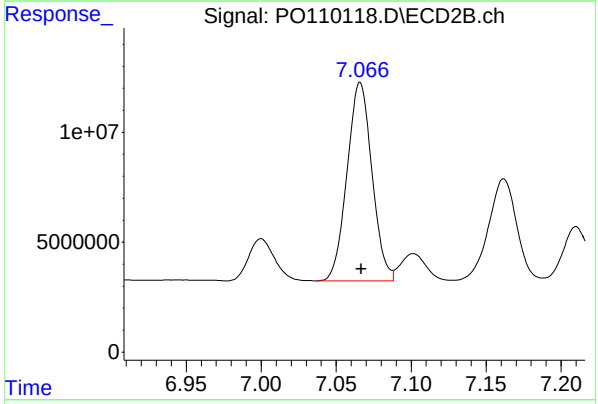
R.T.: 6.594 min
Delta R.T.: -0.001 min
Response: 141661742
Conc: 490.21 ng/ml



#34 AR-1260-4

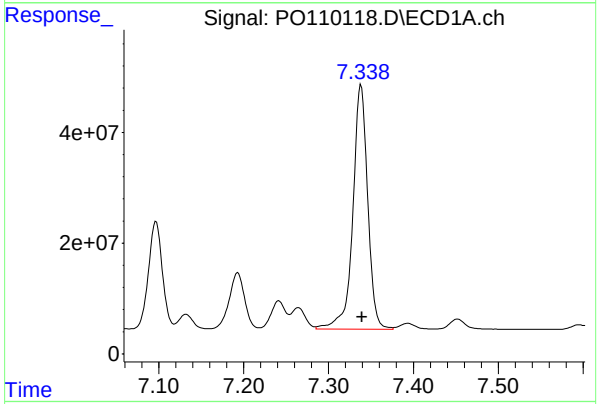
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 219697390
Conc: 517.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



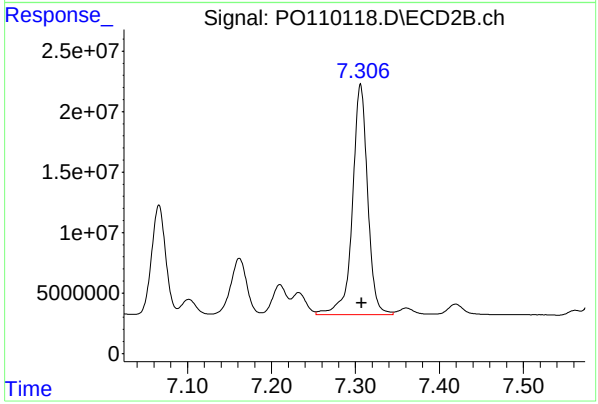
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: 0.000 min
Response: 104382814
Conc: 485.32 ng/ml



#35 AR-1260-5

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 539048156
Conc: 515.42 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.001 min
Response: 239912601
Conc: 481.08 ng/ml

Raw Data: **PO110133.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 21:45 **Initial Calibration Time(s):** 14:03 22:15

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)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-4	(4)	7.10	7.10	7.00	7.20	0.00
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

Raw Data: **PO110133.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 21:45 **Initial Calibration Time(s):** 14:03 22:15

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.01

Raw Data: **PO110133.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110133.D **Time Analyzed:** 21:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.784	4.685	4.885	538.380	500.000	7.7
Aroclor-1016-2	4.803	4.704	4.904	547.160	500.000	9.4
Aroclor-1016-3	4.859	4.761	4.961	547.030	500.000	9.4
Aroclor-1016-4	4.980	4.881	5.081	545.170	500.000	9.0
Aroclor-1016-5	5.238	5.139	5.339	557.730	500.000	11.5
Aroclor-1260-1	6.278	6.180	6.380	550.050	500.000	10.0
Aroclor-1260-2	6.468	6.369	6.569	531.560	500.000	6.3
Aroclor-1260-3	6.835	6.737	6.937	541.170	500.000	8.2
Aroclor-1260-4	7.096	6.998	7.198	523.210	500.000	4.6
Aroclor-1260-5	7.338	7.239	7.439	528.670	500.000	5.7
Decachlorobiphenyl	8.743	8.645	8.845	58.730	50.000	17.5
Tetrachloro-m-xylene	3.691	3.592	3.792	53.340	50.000	6.7

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110133.D **Time Analyzed:** 21:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.770	4.672	4.872	534.000	500.000	6.8
Aroclor-1016-2	4.790	4.691	4.891	533.650	500.000	6.7
Aroclor-1016-3	4.965	4.867	5.067	534.730	500.000	6.9
Aroclor-1016-4	5.007	4.909	5.109	517.030	500.000	3.4
Aroclor-1016-5	5.220	5.122	5.322	552.200	500.000	10.4
Aroclor-1260-1	6.252	6.155	6.355	517.650	500.000	3.5
Aroclor-1260-2	6.440	6.342	6.542	513.240	500.000	2.6
Aroclor-1260-3	6.593	6.495	6.695	498.640	500.000	-0.3
Aroclor-1260-4	7.065	6.967	7.167	496.040	500.000	-0.8
Aroclor-1260-5	7.306	7.207	7.407	496.630	500.000	-0.7
Decachlorobiphenyl	8.695	8.596	8.796	51.890	50.000	3.8
Tetrachloro-m-xylene	3.689	3.590	3.790	54.440	50.000	8.9

Quantitation Report (QT Reviewed)

Sample Results: **PO110133.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:45
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:58:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.689	485.5E6	285.5E6	53.343	54.436
2)	SA Decachlor...	8.743	8.695	451.5E6	125.9E6	58.725	51.890
	Target Compounds						
3)	L1 AR-1016-1	4.784	4.770	181.2E6	97857379	538.376	533.996
4)	L1 AR-1016-2	4.803	4.790	253.7E6	139.6E6	547.156	533.645
5)	L1 AR-1016-3	4.859	4.965	175.4E6	75813491	547.031	534.731
6)	L1 AR-1016-4	4.980	5.007	137.8E6	60973291	545.165	517.031
7)	L1 AR-1016-5	5.238	5.220	153.3E6	84440950	557.732	552.195
31)	L7 AR-1260-1	6.278	6.252	259.3E6	132.2E6	550.051	517.654
32)	L7 AR-1260-2	6.468	6.440	316.6E6	154.1E6	531.560	513.237
33)	L7 AR-1260-3	6.835	6.593	262.6E6	144.1E6	541.166	498.636
34)	L7 AR-1260-4	7.096	7.065	221.9E6	106.7E6	523.214	496.040
35)	L7 AR-1260-5	7.338	7.306	552.9E6	247.7E6	528.668	496.630

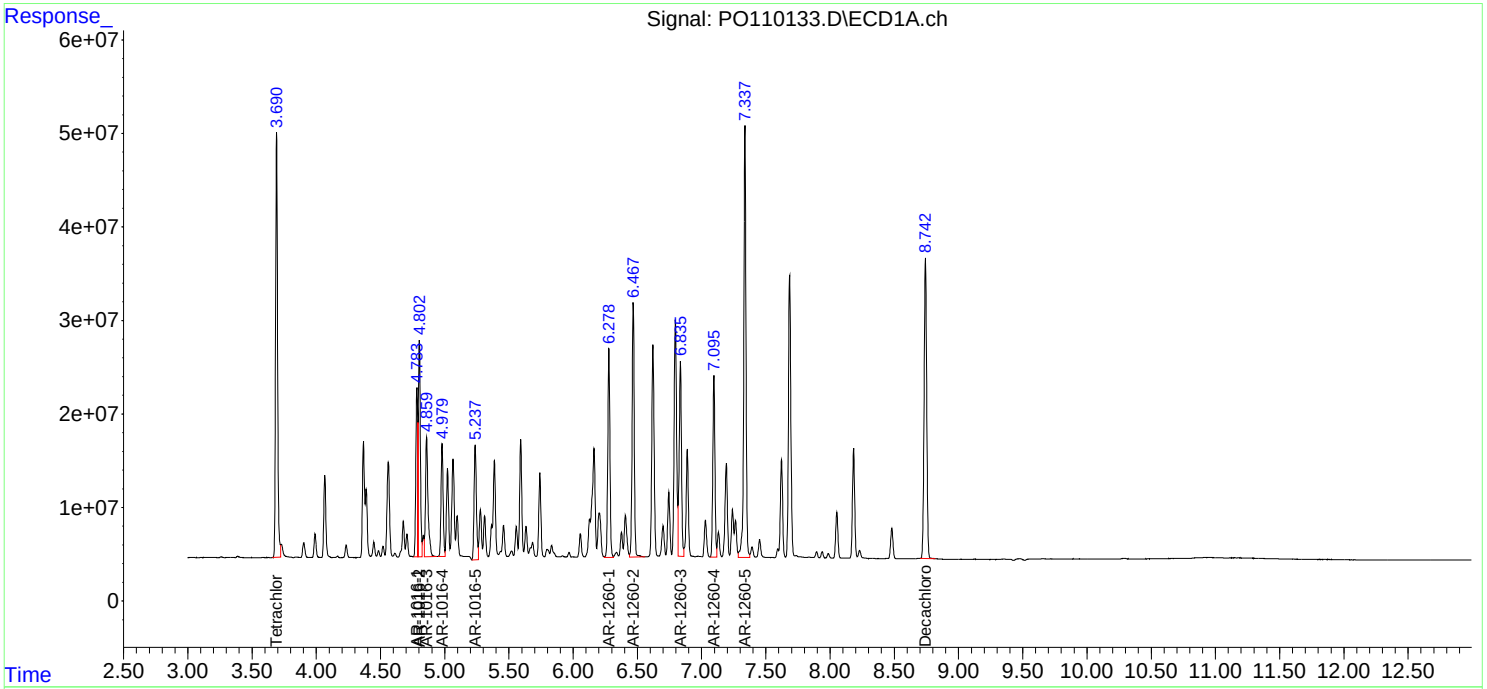
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

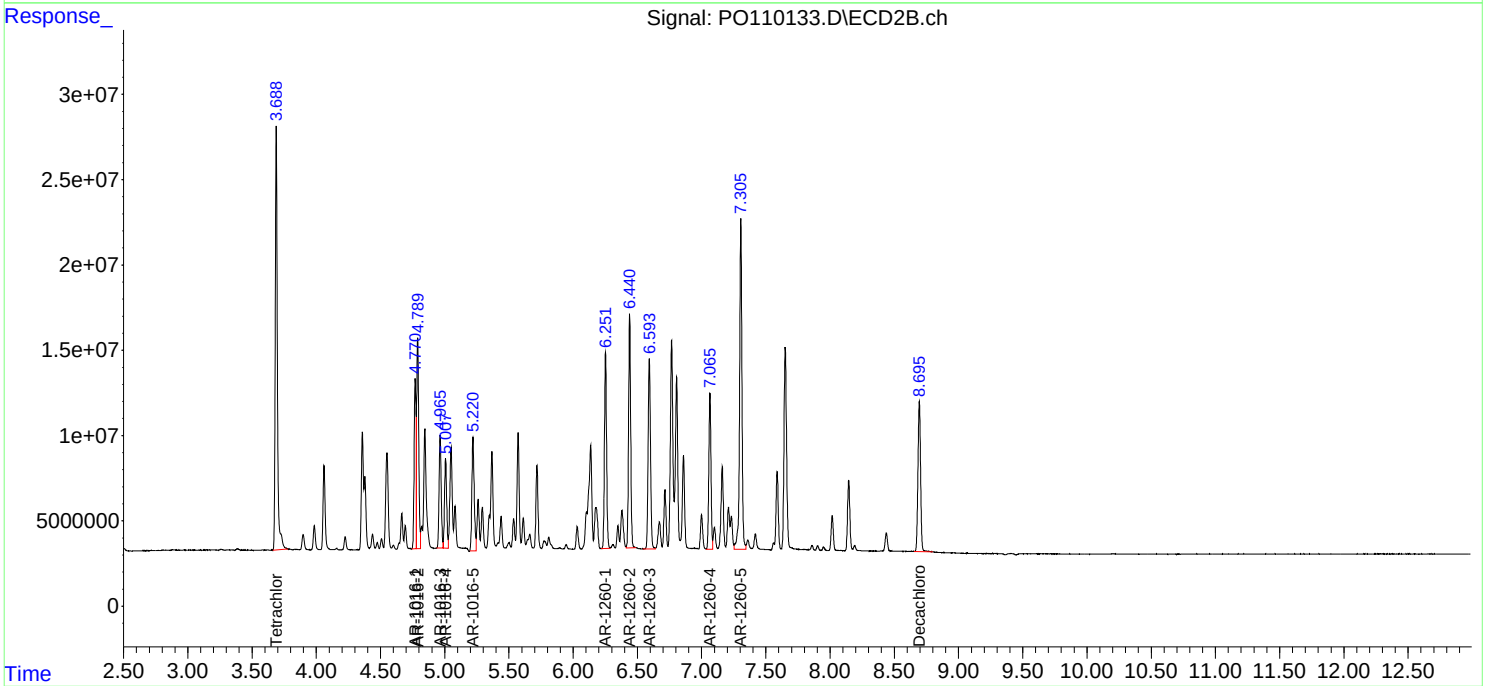
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:45
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

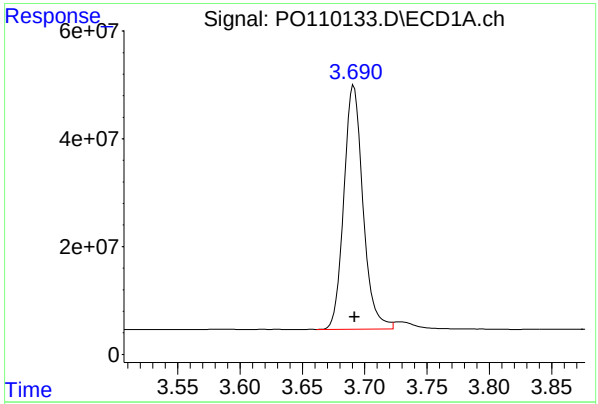
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:58:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



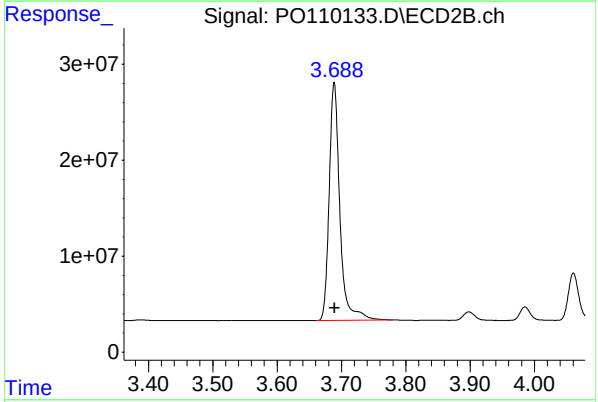




#1 Tetrachloro-m-xylene

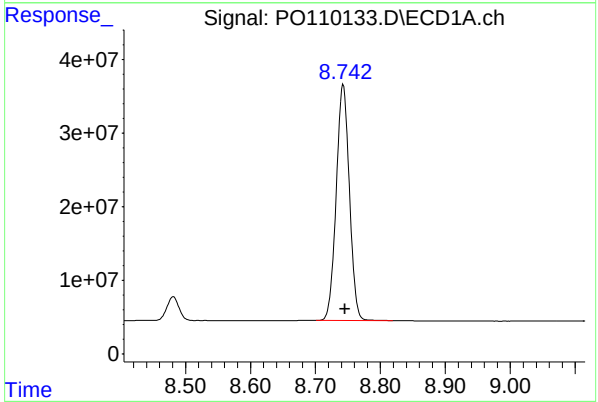
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 485501895
Conc: 53.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



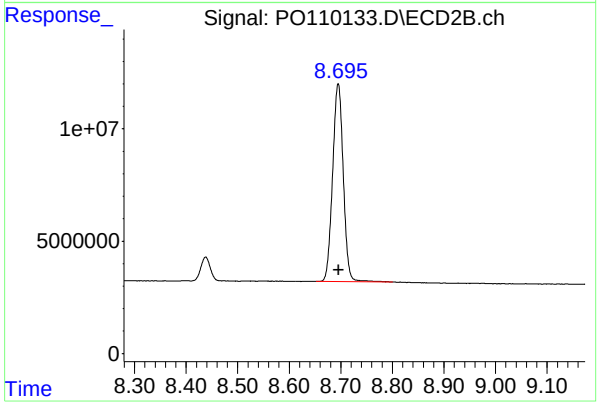
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 285469550
Conc: 54.44 ng/ml



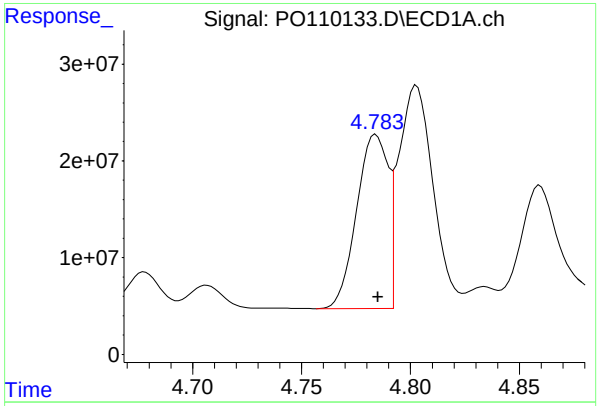
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.003 min
Response: 451517086
Conc: 58.73 ng/ml



#2 Decachlorobiphenyl

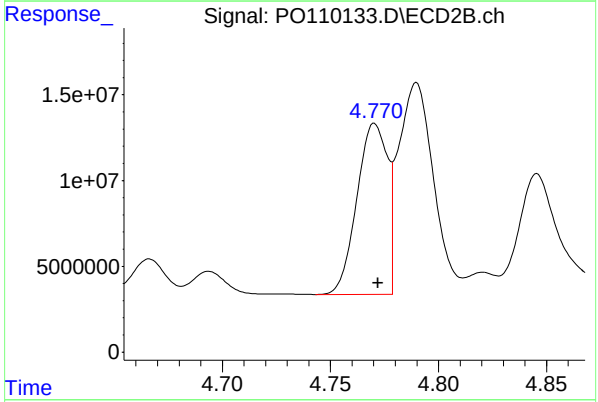
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 125890442
Conc: 51.89 ng/ml



#3 AR-1016-1

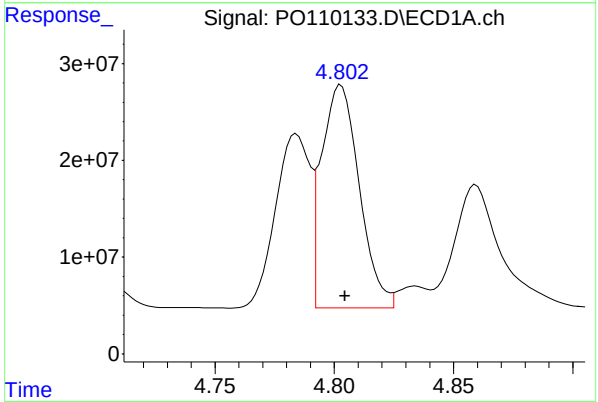
R.T.: 4.784 min
Delta R.T.: 0.000 mi
Response: 181187102
Conc: 538.38 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



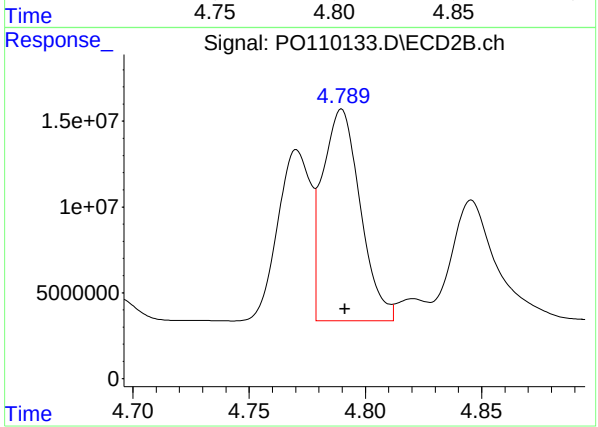
#3 AR-1016-1

R.T.: 4.770 min
Delta R.T.: -0.001 min
Response: 97857379
Conc: 534.00 ng/ml



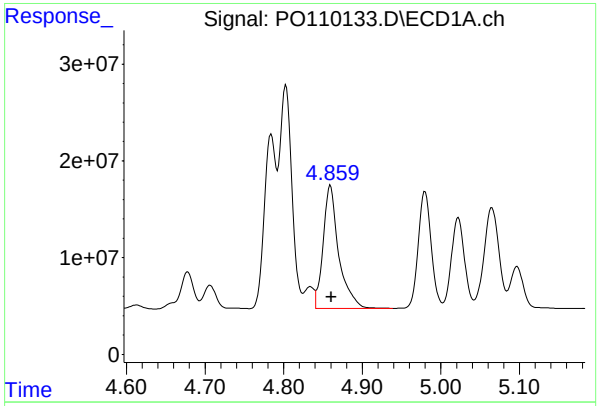
#4 AR-1016-2

R.T.: 4.803 min
Delta R.T.: -0.002 min
Response: 253708665
Conc: 547.16 ng/ml



#4 AR-1016-2

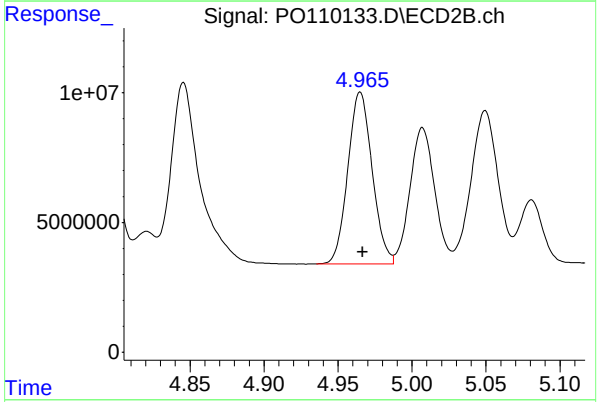
R.T.: 4.790 min
Delta R.T.: -0.001 min
Response: 139550630
Conc: 533.65 ng/ml



#5 AR-1016-3

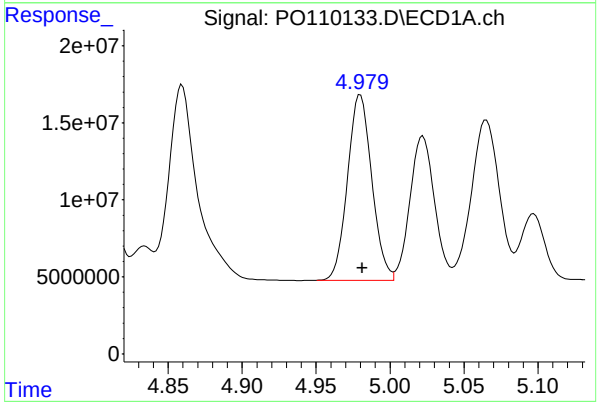
R.T.: 4.859 min
Delta R.T.: -0.001 min
Response: 175370624
Conc: 547.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



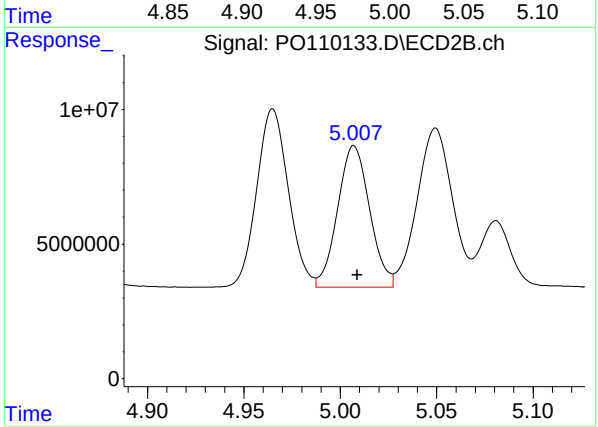
#5 AR-1016-3

R.T.: 4.965 min
Delta R.T.: -0.002 min
Response: 75813491
Conc: 534.73 ng/ml



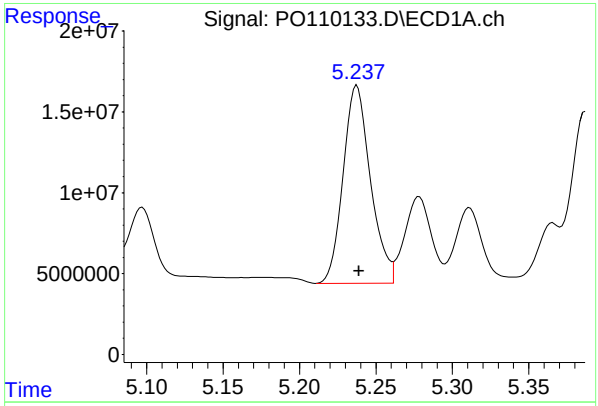
#6 AR-1016-4

R.T.: 4.980 min
Delta R.T.: -0.002 min
Response: 137757390
Conc: 545.17 ng/ml



#6 AR-1016-4

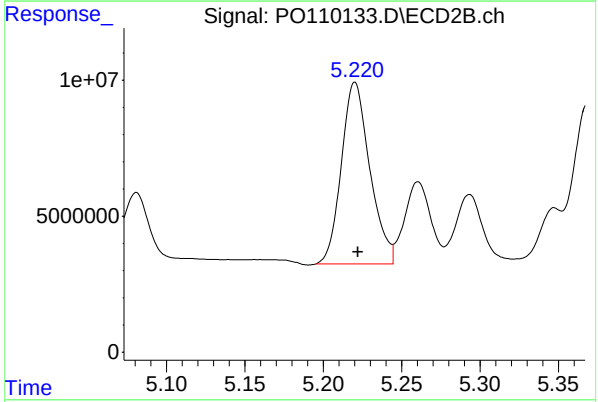
R.T.: 5.007 min
Delta R.T.: -0.002 min
Response: 60973291
Conc: 517.03 ng/ml



#7 AR-1016-5

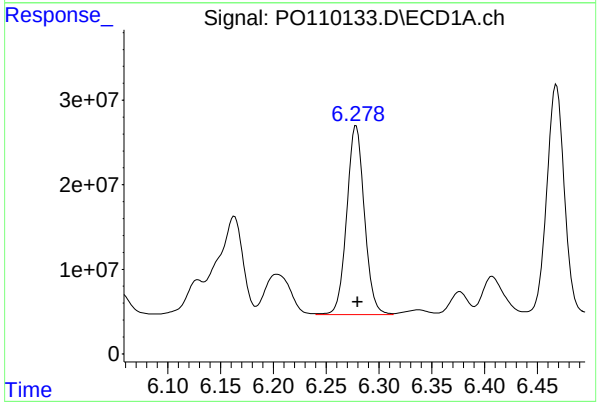
R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 153302037
Conc: 557.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



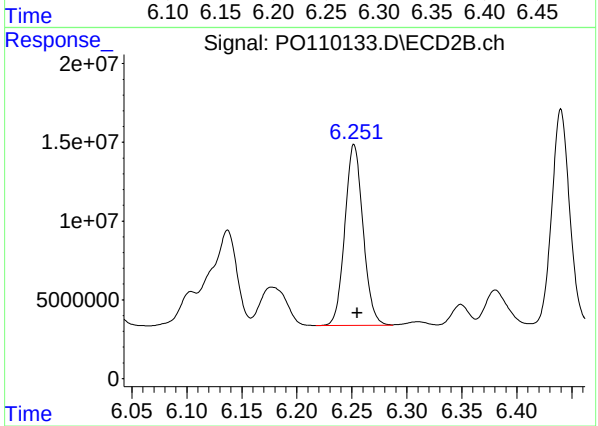
#7 AR-1016-5

R.T.: 5.220 min
Delta R.T.: -0.002 min
Response: 84440950
Conc: 552.20 ng/ml



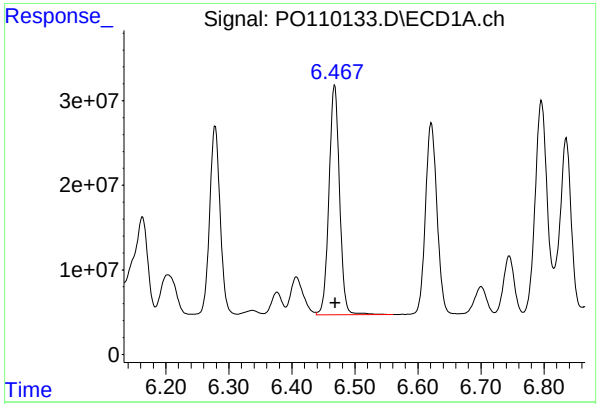
#31 AR-1260-1

R.T.: 6.278 min
Delta R.T.: -0.001 min
Response: 259267052
Conc: 550.05 ng/ml



#31 AR-1260-1

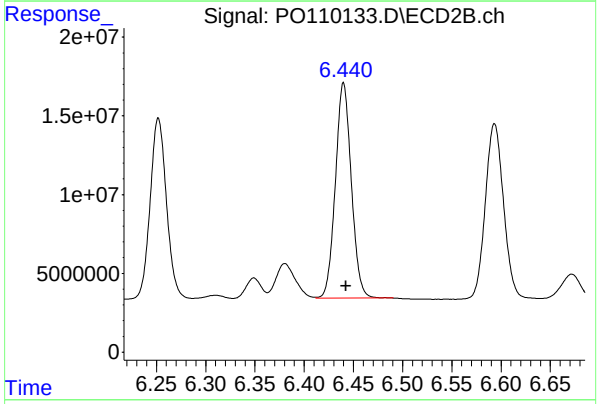
R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 132230367
Conc: 517.65 ng/ml



#32 AR-1260-2

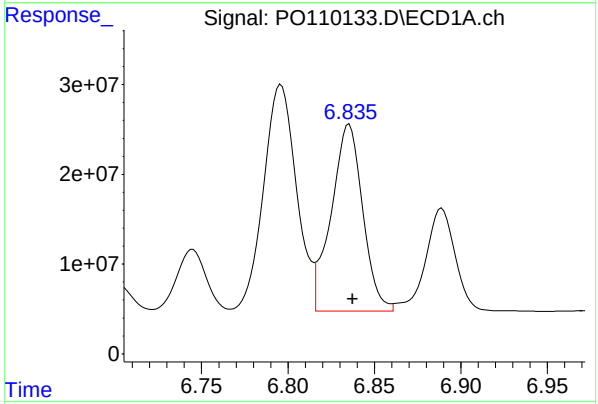
R.T.: 6.468 min
Delta R.T.: -0.001 min
Response: 316554019
Conc: 531.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



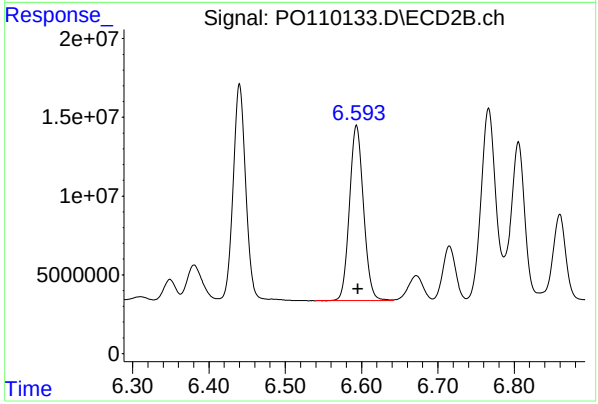
#32 AR-1260-2

R.T.: 6.440 min
Delta R.T.: -0.002 min
Response: 154117687
Conc: 513.24 ng/ml



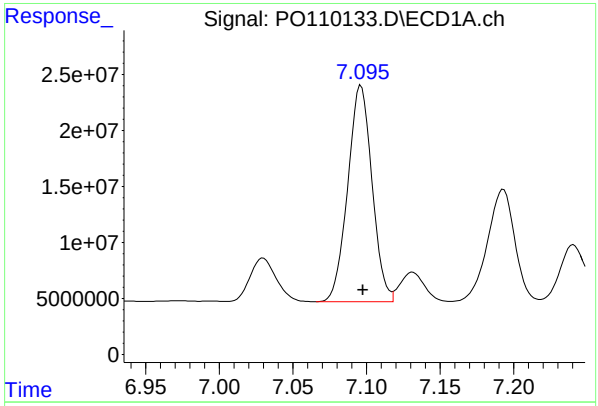
#33 AR-1260-3

R.T.: 6.835 min
Delta R.T.: -0.002 min
Response: 262628628
Conc: 541.17 ng/ml



#33 AR-1260-3

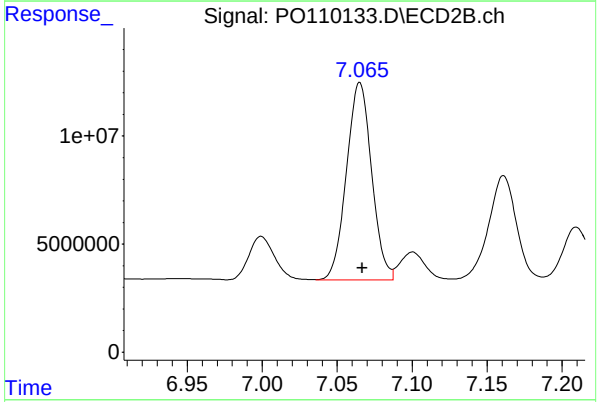
R.T.: 6.593 min
Delta R.T.: -0.002 min
Response: 144097099
Conc: 498.64 ng/ml



#34 AR-1260-4

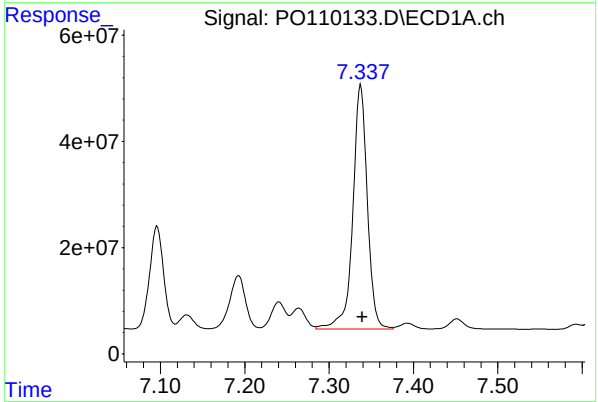
R.T.: 7.096 min
Delta R.T.: -0.002 min
Response: 221930510
Conc: 523.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



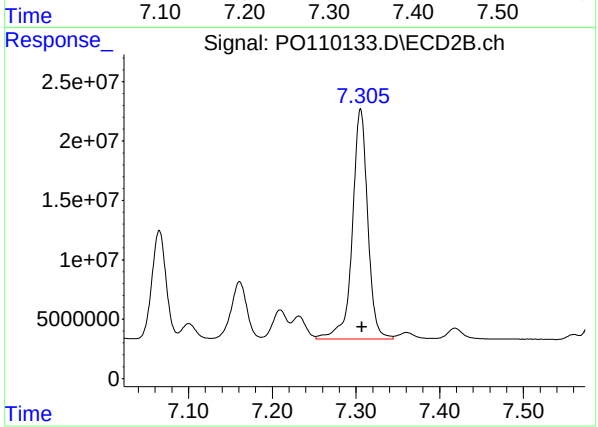
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.002 min
Response: 106687517
Conc: 496.04 ng/ml



#35 AR-1260-5

R.T.: 7.338 min
Delta R.T.: -0.002 min
Response: 552905054
Conc: 528.67 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.002 min
Response: 247667660
Conc: 496.63 ng/ml

Raw Data: **PO110139.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 04/01/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 08:58 **Initial Calibration Time(s):** 14:03 22:15

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)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-4	(4)	7.10	7.10	7.00	7.20	0.00
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

Raw Data: **PO110139.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 04/01/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 08:58 **Initial Calibration Time(s):** 14:03 22:15

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.69	8.70	8.60	8.80	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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 04/01/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110139.D **Time Analyzed:** 08:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.786	4.685	4.885	477.190	500.000	-4.6
Aroclor-1016-2	4.805	4.704	4.904	477.640	500.000	-4.5
Aroclor-1016-3	4.861	4.761	4.961	484.730	500.000	-3.1
Aroclor-1016-4	4.982	4.881	5.081	482.680	500.000	-3.5
Aroclor-1016-5	5.240	5.139	5.339	533.930	500.000	6.8
Aroclor-1260-1	6.280	6.180	6.380	493.670	500.000	-1.3
Aroclor-1260-2	6.469	6.369	6.569	467.720	500.000	-6.5
Aroclor-1260-3	6.837	6.737	6.937	473.610	500.000	-5.3
Aroclor-1260-4	7.097	6.998	7.198	466.460	500.000	-6.7
Aroclor-1260-5	7.340	7.239	7.439	466.860	500.000	-6.6
Decachlorobiphenyl	8.744	8.645	8.845	53.010	50.000	6.0
Tetrachloro-m-xylene	3.693	3.592	3.792	47.200	50.000	-5.6

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 04/01/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110139.D **Time Analyzed:** 08:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.769	4.672	4.872	454.360	500.000	-9.1
Aroclor-1016-2	4.788	4.691	4.891	451.710	500.000	-9.7
Aroclor-1016-3	4.964	4.867	5.067	454.170	500.000	-9.2
Aroclor-1016-4	5.006	4.909	5.109	400.000	500.000	-20.0
Aroclor-1016-5	5.219	5.122	5.322	499.100	500.000	-0.2
Aroclor-1260-1	6.252	6.155	6.355	446.280	500.000	-10.7
Aroclor-1260-2	6.439	6.342	6.542	442.830	500.000	-11.4
Aroclor-1260-3	6.592	6.495	6.695	425.630	500.000	-14.9
Aroclor-1260-4	7.063	6.967	7.167	428.480	500.000	-14.3
Aroclor-1260-5	7.304	7.207	7.407	425.940	500.000	-14.8
Decachlorobiphenyl	8.693	8.596	8.796	45.510	50.000	-9.0
Tetrachloro-m-xylene	3.687	3.590	3.790	45.990	50.000	-8.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 08:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 10:44:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.687	429.6E6	241.2E6	47.203	45.991
2)	SA Decachlor...	8.744	8.693	407.6E6	110.4E6	53.010	45.505
	Target Compounds						
3)	L1 AR-1016-1	4.786	4.769	160.6E6	83264260	477.191	454.363
4)	L1 AR-1016-2	4.805	4.788	221.5E6	118.1E6	477.636	451.708
5)	L1 AR-1016-3	4.861	4.964	155.4E6	64391173	484.733	454.167
6)	L1 AR-1016-4	4.982	5.006	122.0E6	47172449	482.675	400.005
7)	L1 AR-1016-5	5.240	5.219	146.8E6	76321984	533.934	499.102
31)	L7 AR-1260-1	6.280	6.252	232.7E6	114.0E6	493.668	446.277
32)	L7 AR-1260-2	6.469	6.439	278.5E6	133.0E6	467.723	442.834
33)	L7 AR-1260-3	6.837	6.592	229.8E6	123.0E6	473.610	425.633
34)	L7 AR-1260-4	7.097	7.063	197.9E6	92157777	466.458	428.485
35)	L7 AR-1260-5	7.340	7.304	488.3E6	212.4E6	466.855	425.938

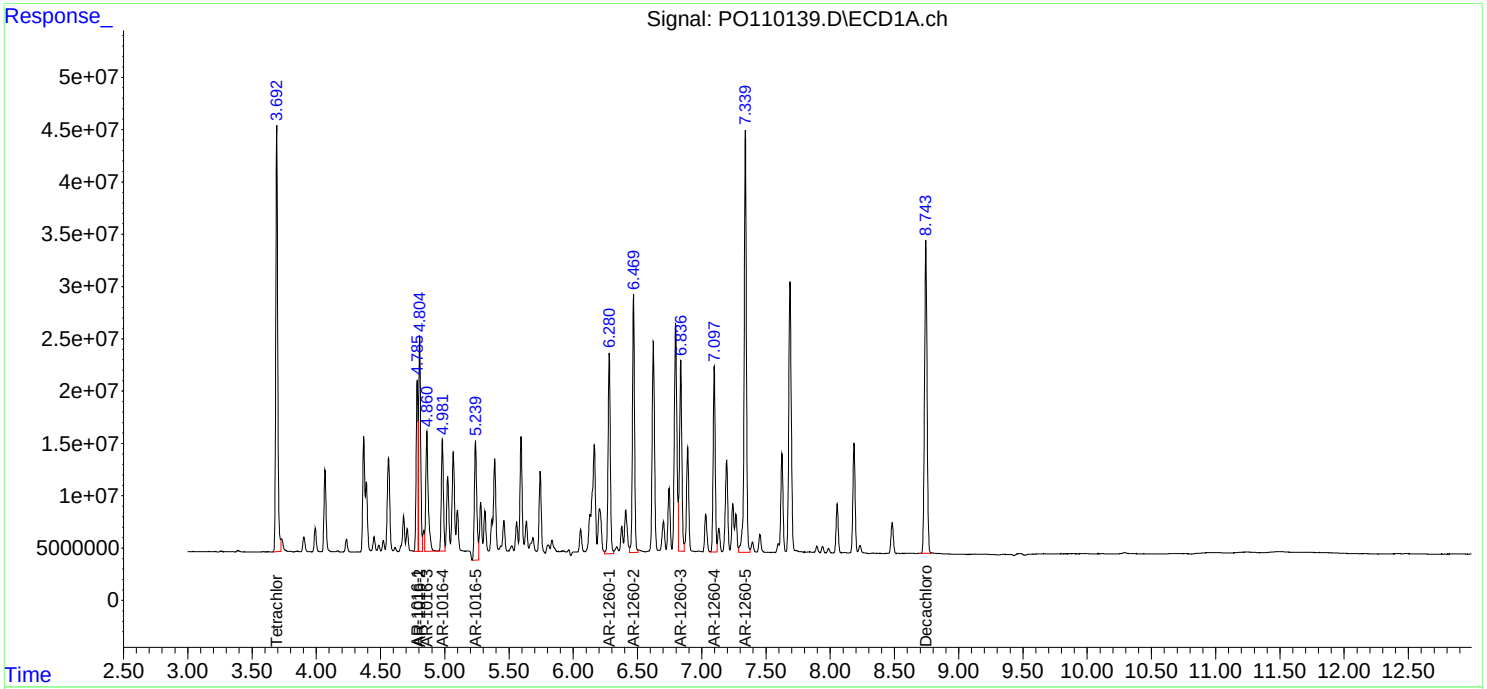
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

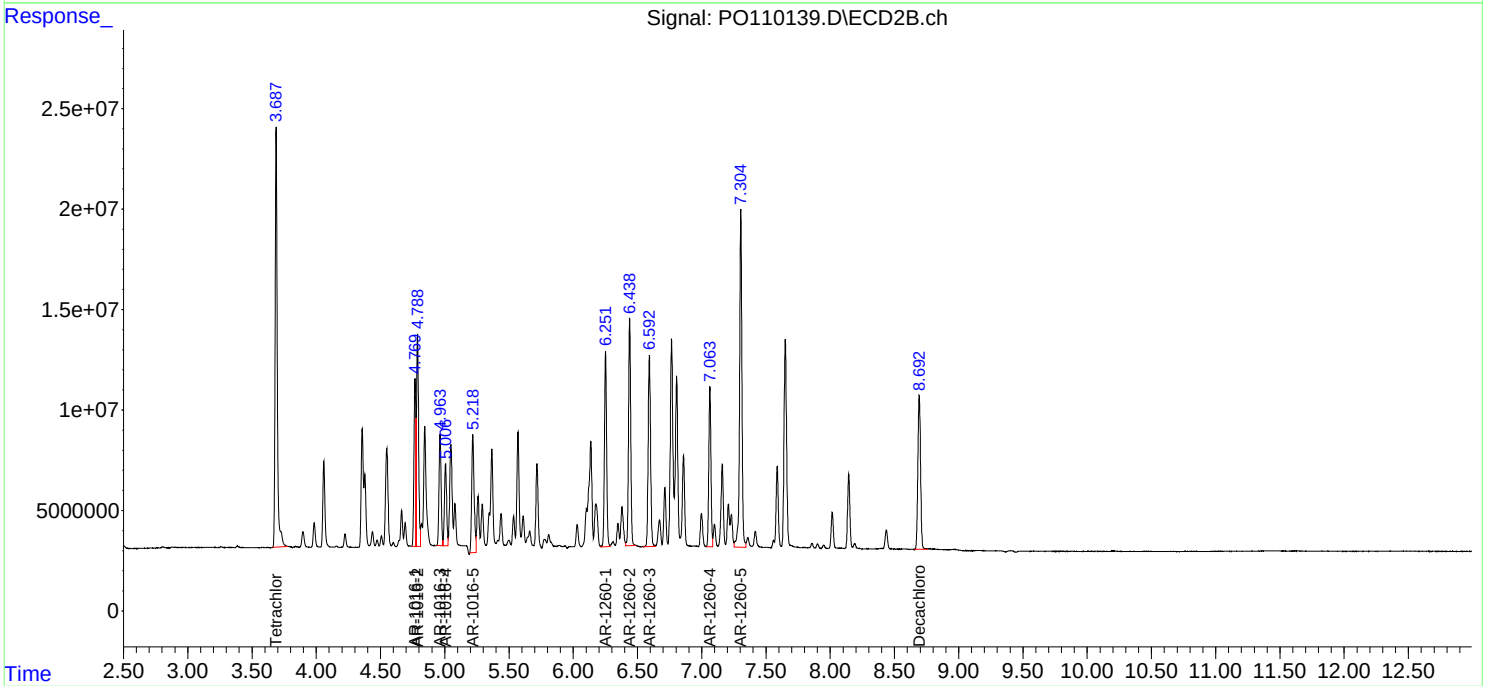
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 08:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

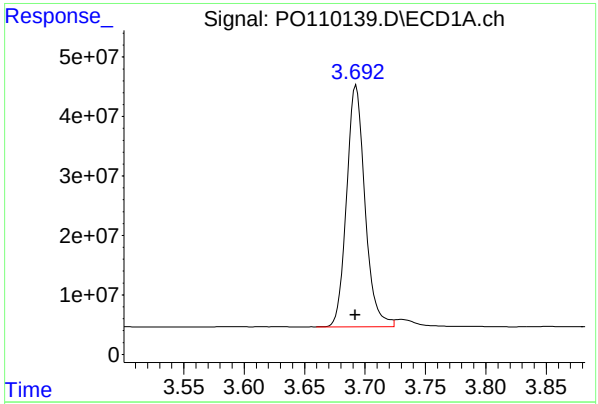
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 10:44:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



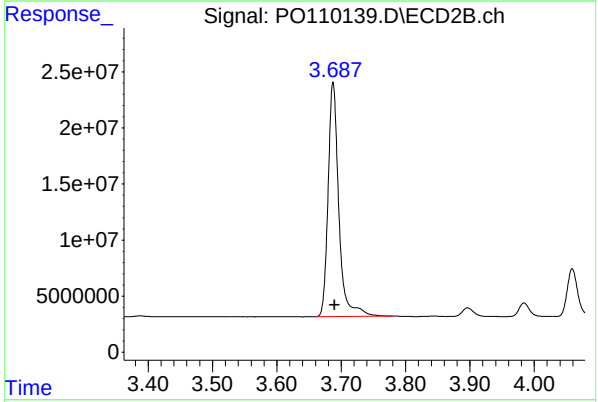




#1 Tetrachloro-m-xylene

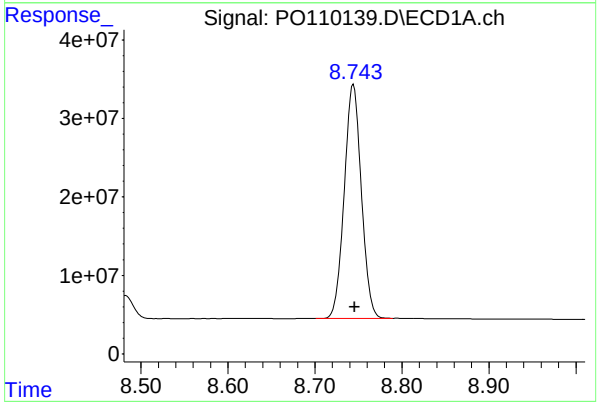
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 429614367
Conc: 47.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



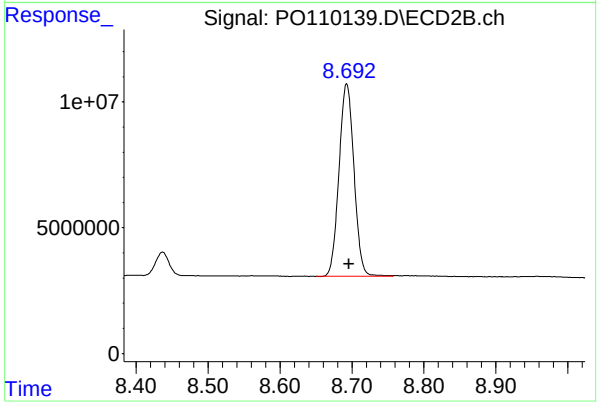
#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 241183519
Conc: 45.99 ng/ml



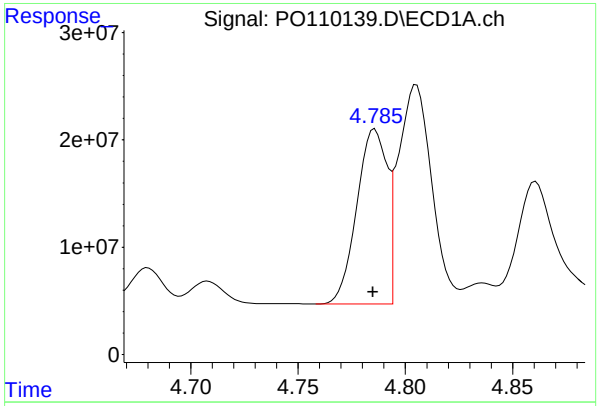
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 407571737
Conc: 53.01 ng/ml



#2 Decachlorobiphenyl

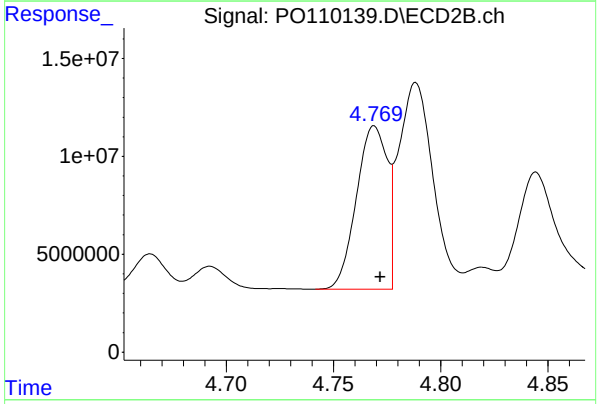
R.T.: 8.693 min
Delta R.T.: -0.003 min
Response: 110400852
Conc: 45.51 ng/ml



#3 AR-1016-1

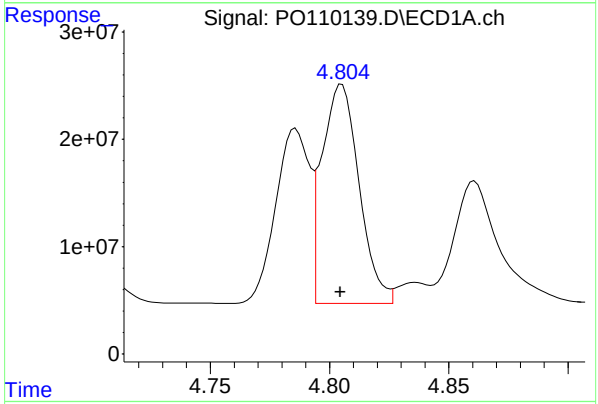
R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 160595911
Conc: 477.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



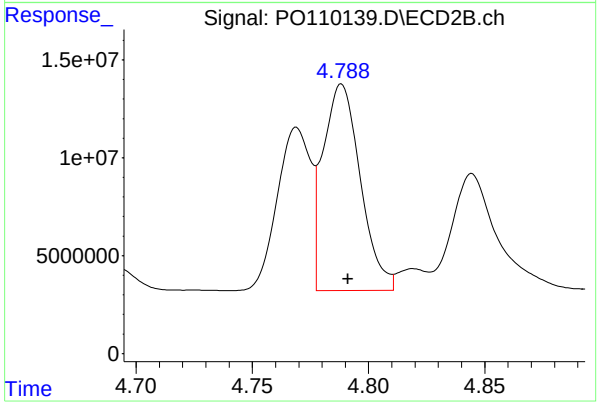
#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 83264260
Conc: 454.36 ng/ml



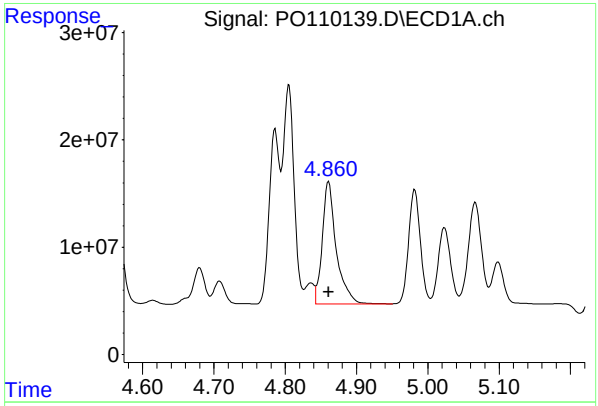
#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 221473016
Conc: 477.64 ng/ml



#4 AR-1016-2

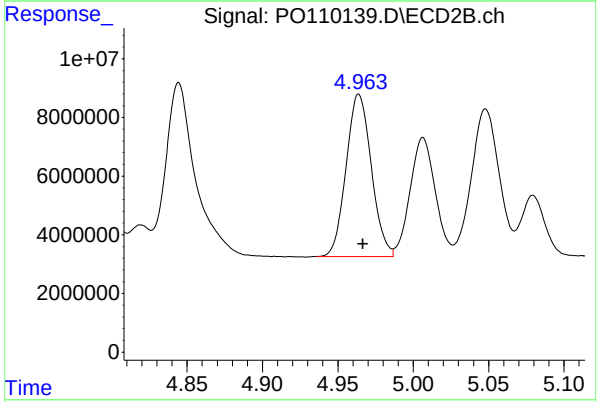
R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 118123550
Conc: 451.71 ng/ml



#5 AR-1016-3

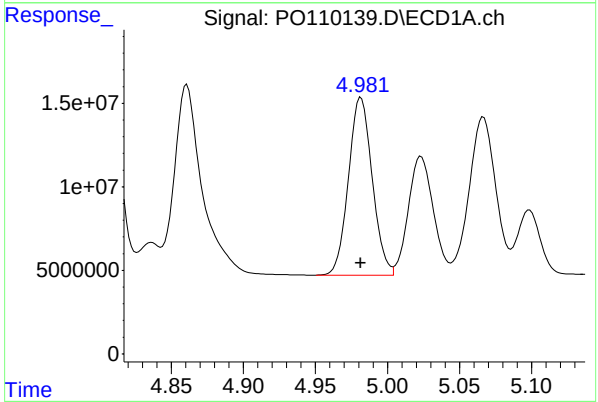
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 155398680
Conc: 484.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



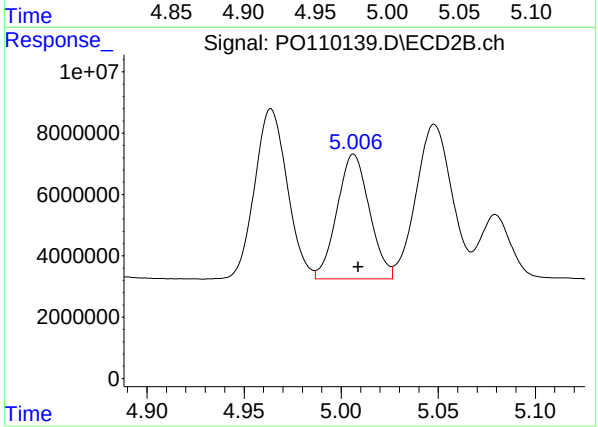
#5 AR-1016-3

R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 64391173
Conc: 454.17 ng/ml



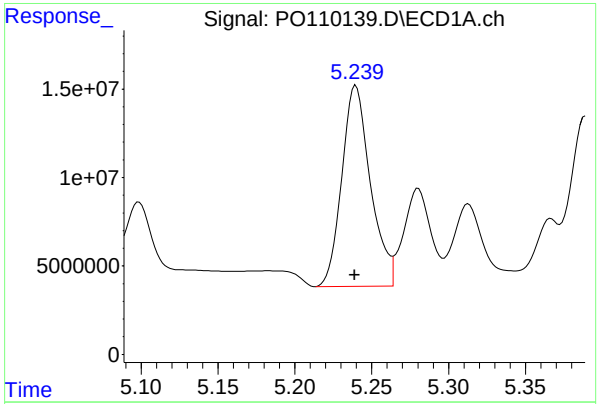
#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 121966819
Conc: 482.68 ng/ml



#6 AR-1016-4

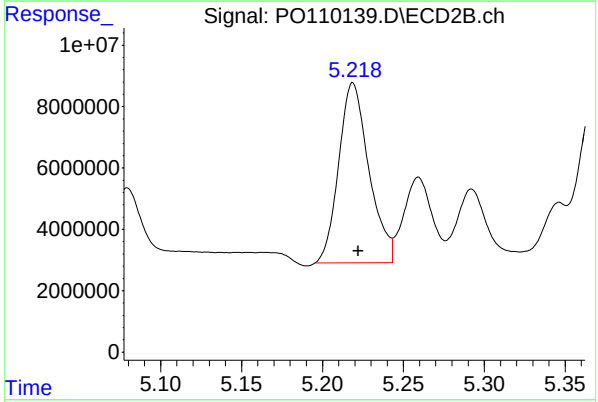
R.T.: 5.006 min
Delta R.T.: -0.002 min
Response: 47172449
Conc: 400.00 ng/ml



#7 AR-1016-5

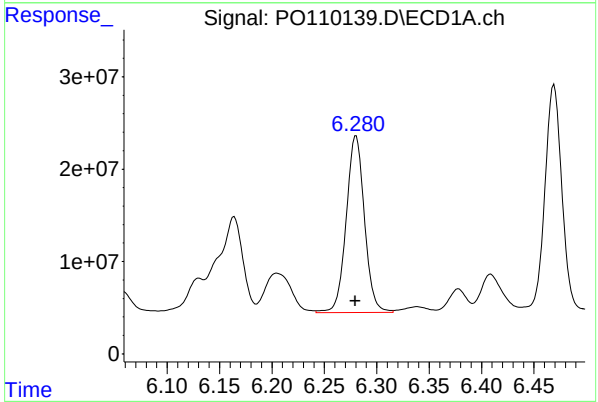
R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 146760742
Conc: 533.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



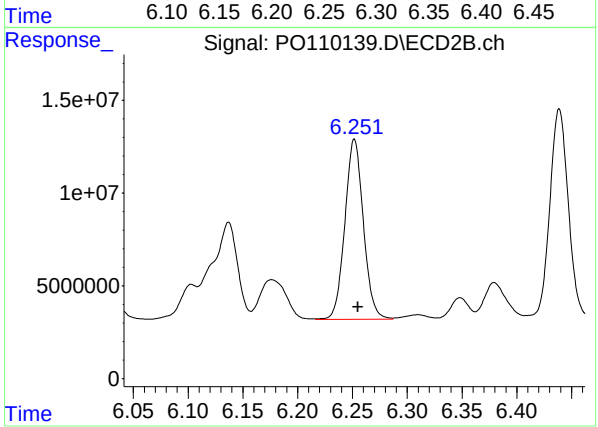
#7 AR-1016-5

R.T.: 5.219 min
Delta R.T.: -0.003 min
Response: 76321984
Conc: 499.10 ng/ml



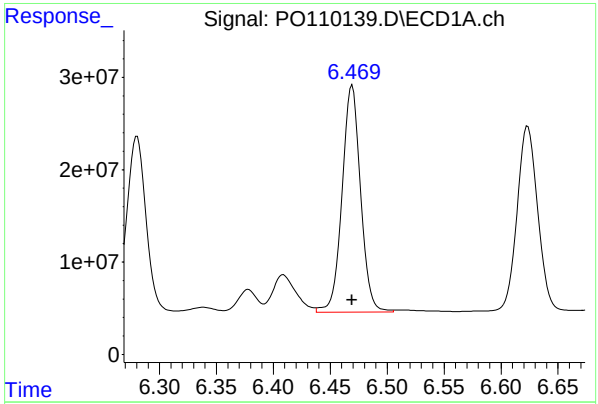
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 232690682
Conc: 493.67 ng/ml



#31 AR-1260-1

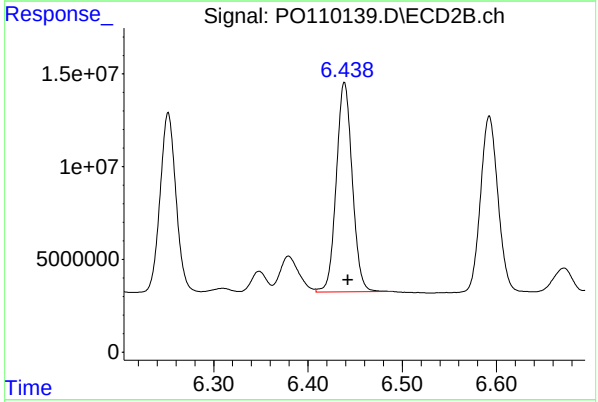
R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 113997727
Conc: 446.28 ng/ml



#32 AR-1260-2

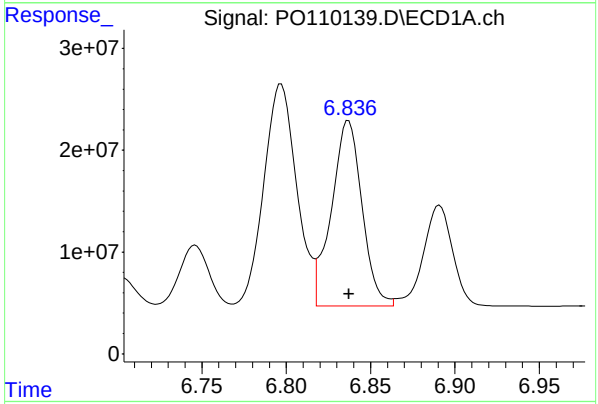
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 278538254
Conc: 467.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



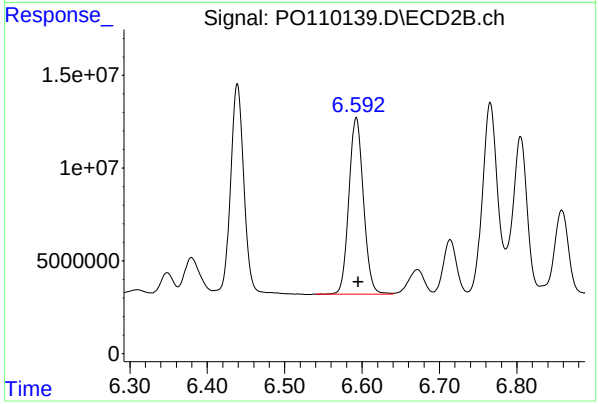
#32 AR-1260-2

R.T.: 6.439 min
Delta R.T.: -0.004 min
Response: 132976554
Conc: 442.83 ng/ml



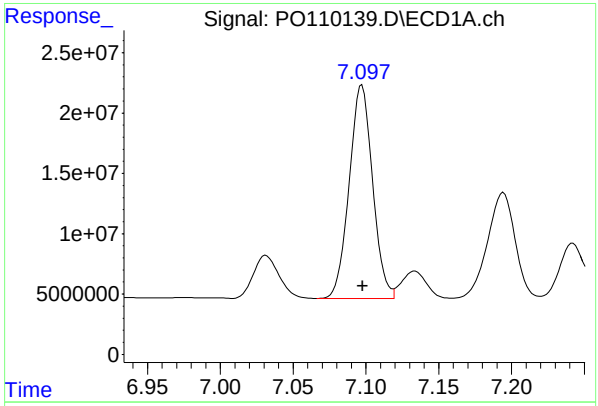
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 229843850
Conc: 473.61 ng/ml



#33 AR-1260-3

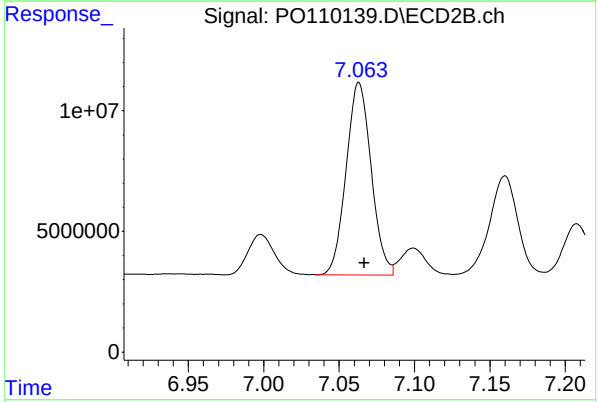
R.T.: 6.592 min
Delta R.T.: -0.003 min
Response: 123000349
Conc: 425.63 ng/ml



#34 AR-1260-4

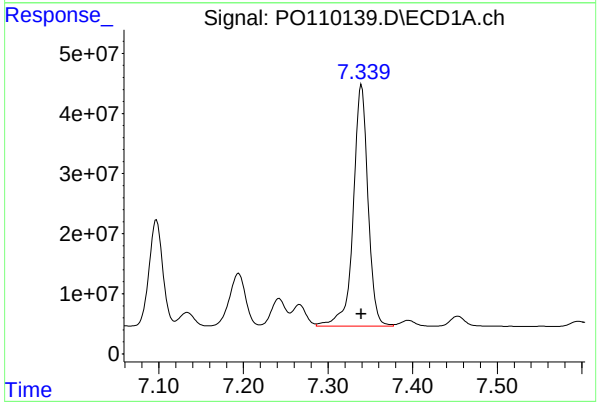
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 197856494
Conc: 466.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



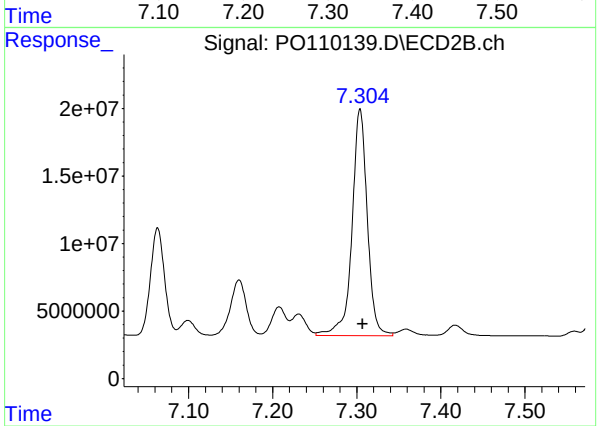
#34 AR-1260-4

R.T.: 7.063 min
Delta R.T.: -0.004 min
Response: 92157777
Conc: 428.48 ng/ml



#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 488258436
Conc: 466.86 ng/ml



#35 AR-1260-5

R.T.: 7.304 min
Delta R.T.: -0.003 min
Response: 212413633
Conc: 425.94 ng/ml

Raw Data: **PO110147.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 04/01/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 13:47 **Initial Calibration Time(s):** 14:03 22:15

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)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-4	(4)	7.10	7.10	7.00	7.20	0.00
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

Raw Data: **PO110147.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 04/01/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

Continuing Calib Time: 13:47 **Initial Calibration Time(s):** 14:03 22:15

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.69	8.70	8.60	8.80	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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 04/01/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110147.D **Time Analyzed:** 13:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.783	4.685	4.885	473.110	500.000	-5.4
Aroclor-1016-2	4.802	4.704	4.904	484.240	500.000	-3.2
Aroclor-1016-3	4.859	4.761	4.961	485.860	500.000	-2.8
Aroclor-1016-4	4.979	4.881	5.081	484.320	500.000	-3.1
Aroclor-1016-5	5.237	5.139	5.339	539.090	500.000	7.8
Aroclor-1260-1	6.278	6.180	6.380	472.370	500.000	-5.5
Aroclor-1260-2	6.467	6.369	6.569	444.010	500.000	-11.2
Aroclor-1260-3	6.835	6.737	6.937	449.170	500.000	-10.2
Aroclor-1260-4	7.096	6.998	7.198	471.630	500.000	-5.7
Aroclor-1260-5	7.337	7.239	7.439	465.660	500.000	-6.9
Decachlorobiphenyl	8.742	8.645	8.845	54.230	50.000	8.5
Tetrachloro-m-xylene	3.690	3.592	3.792	47.340	50.000	-5.3

Raw Data: **PO110147.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 04/01/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO110147.D **Time Analyzed:** 13:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.768	4.672	4.872	454.540	500.000	-9.1
Aroclor-1016-2	4.787	4.691	4.891	454.420	500.000	-9.1
Aroclor-1016-3	4.963	4.867	5.067	455.730	500.000	-8.9
Aroclor-1016-4	5.005	4.909	5.109	400.280	500.000	-19.9
Aroclor-1016-5	5.218	5.122	5.322	495.090	500.000	-1.0
Aroclor-1260-1	6.250	6.155	6.355	457.240	500.000	-8.6
Aroclor-1260-2	6.438	6.342	6.542	445.890	500.000	-10.8
Aroclor-1260-3	6.590	6.495	6.695	426.900	500.000	-14.6
Aroclor-1260-4	7.062	6.967	7.167	431.110	500.000	-13.8
Aroclor-1260-5	7.303	7.207	7.407	427.040	500.000	-14.6
Decachlorobiphenyl	8.691	8.596	8.796	45.720	50.000	-8.6
Tetrachloro-m-xylene	3.687	3.590	3.790	45.960	50.000	-8.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 13:47
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 14:01:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.687	430.8E6	241.0E6	47.338	45.959
2)	SA Decachlor...	8.742	8.691	417.0E6	110.9E6	54.230	45.722
	Target Compounds						
3)	L1 AR-1016-1	4.783	4.768	159.2E6	83297096	473.107	454.542
4)	L1 AR-1016-2	4.802	4.787	224.5E6	118.8E6	484.236	454.424
5)	L1 AR-1016-3	4.859	4.963	155.8E6	64613405	485.865	455.734
6)	L1 AR-1016-4	4.979	5.005	122.4E6	47204838	484.321	400.279
7)	L1 AR-1016-5	5.237	5.218	148.2E6	75708806	539.089	495.092
31)	L7 AR-1260-1	6.278	6.250	222.7E6	116.8E6	472.369	457.237
32)	L7 AR-1260-2	6.467	6.438	264.4E6	133.9E6	444.006	445.886
33)	L7 AR-1260-3	6.835	6.590	218.0E6	123.4E6	449.168	426.899
34)	L7 AR-1260-4	7.096	7.062	200.0E6	92721663	471.626	431.106
35)	L7 AR-1260-5	7.337	7.303	487.0E6	213.0E6	465.663	427.037

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

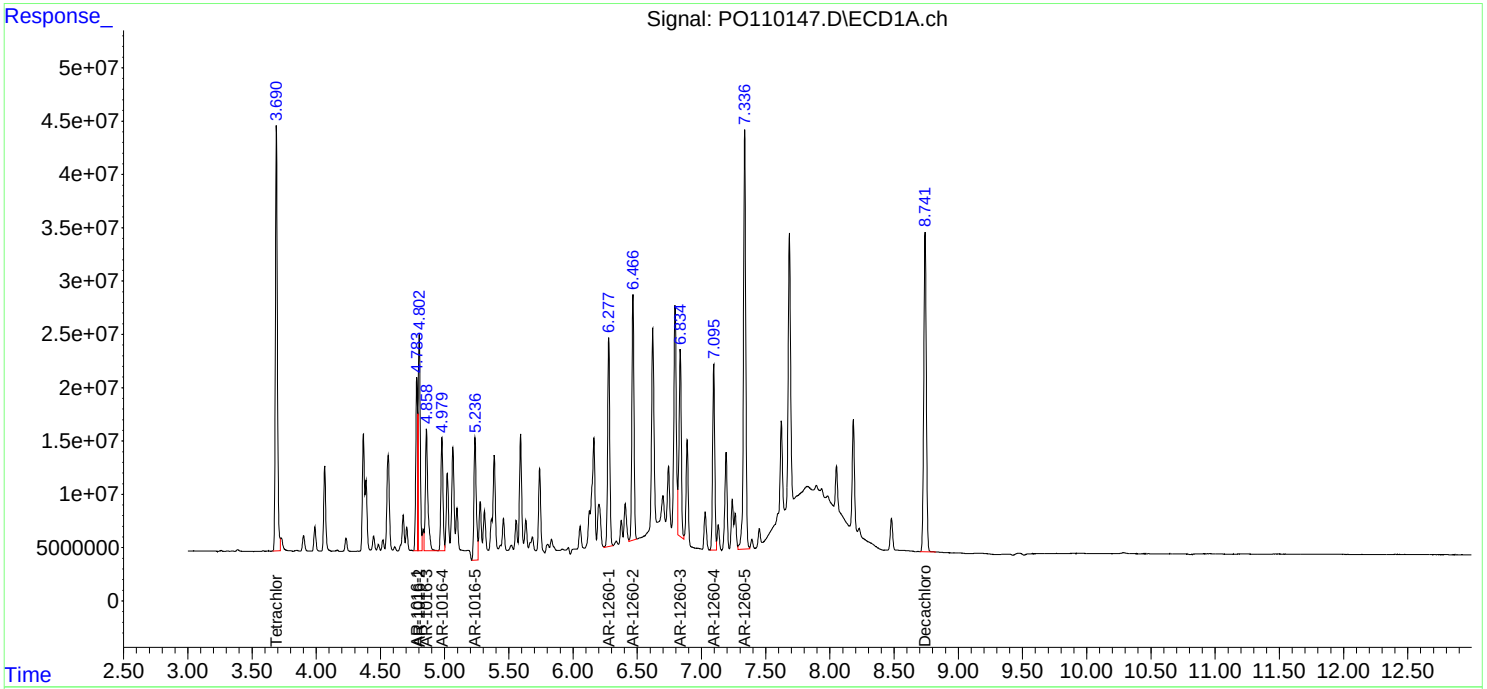
Sample Results: **PO110147.D**

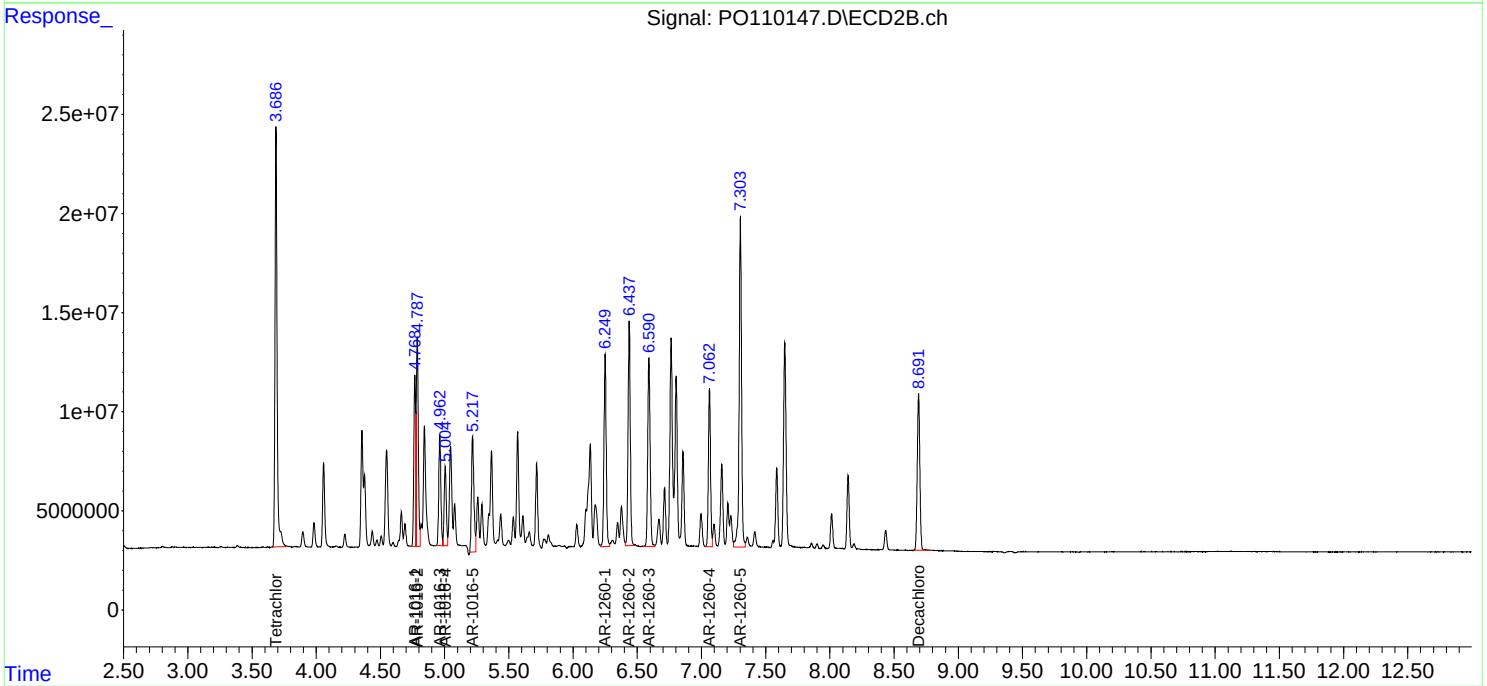
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 13:47
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

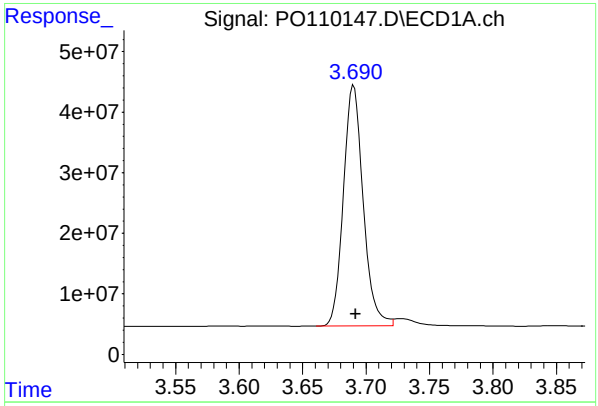
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 14:01:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



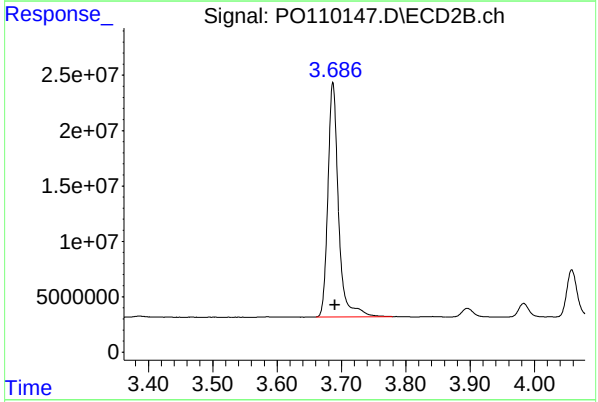




#1 Tetrachloro-m-xylene

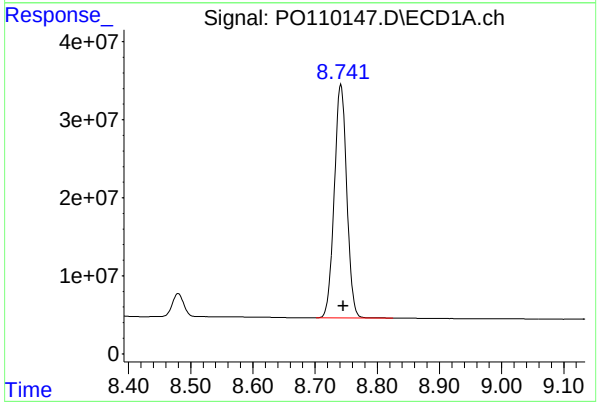
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 430846136
Conc: 47.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



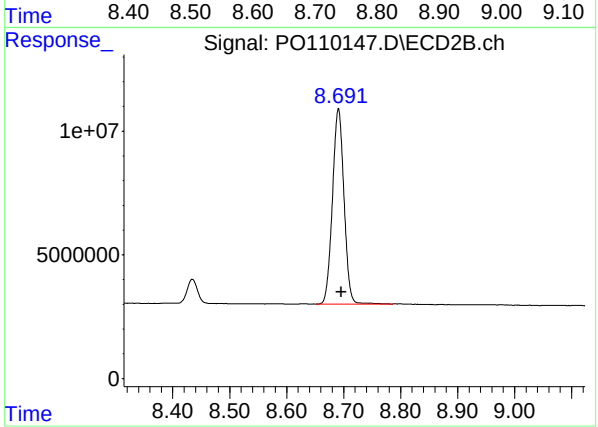
#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 241010845
Conc: 45.96 ng/ml



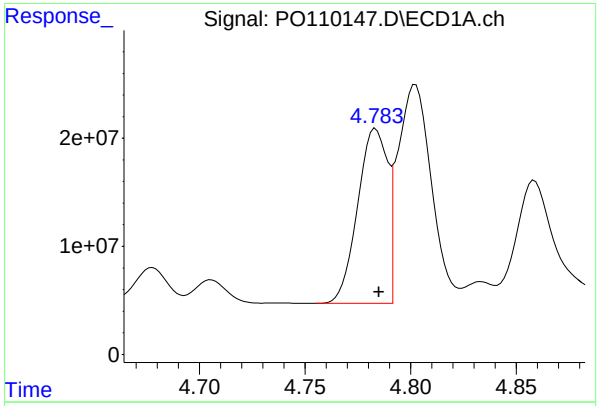
#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.004 min
Response: 416953161
Conc: 54.23 ng/ml



#2 Decachlorobiphenyl

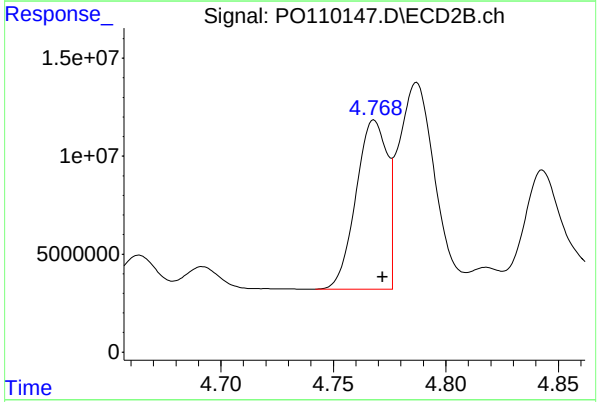
R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 110925360
Conc: 45.72 ng/ml



#3 AR-1016-1

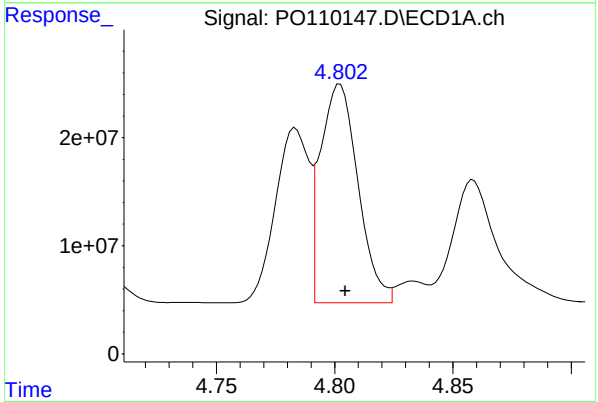
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 159221444
Conc: 473.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



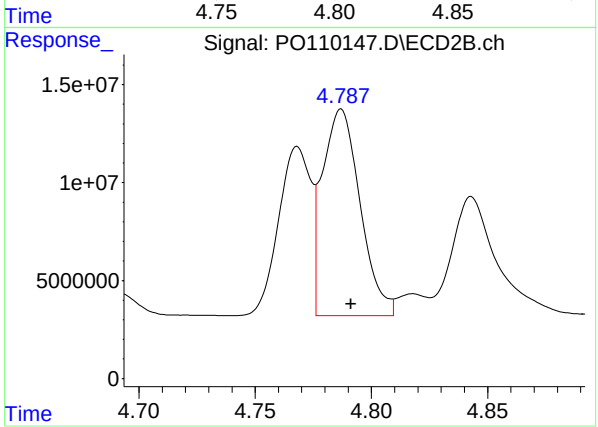
#3 AR-1016-1

R.T.: 4.768 min
Delta R.T.: -0.004 min
Response: 83297096
Conc: 454.54 ng/ml



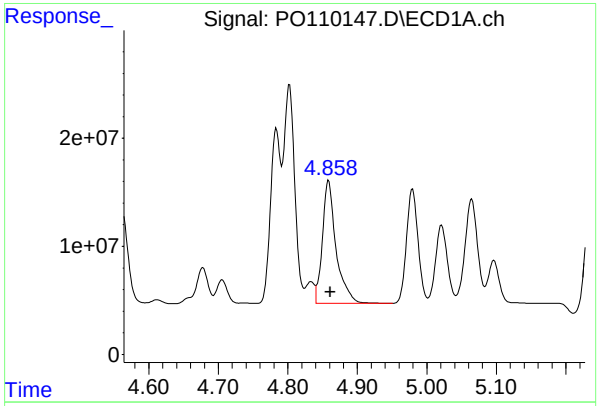
#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.002 min
Response: 224533210
Conc: 484.24 ng/ml



#4 AR-1016-2

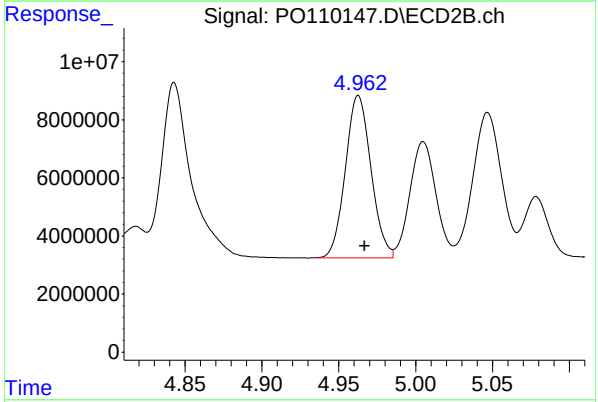
R.T.: 4.787 min
Delta R.T.: -0.004 min
Response: 118833893
Conc: 454.42 ng/ml



#5 AR-1016-3

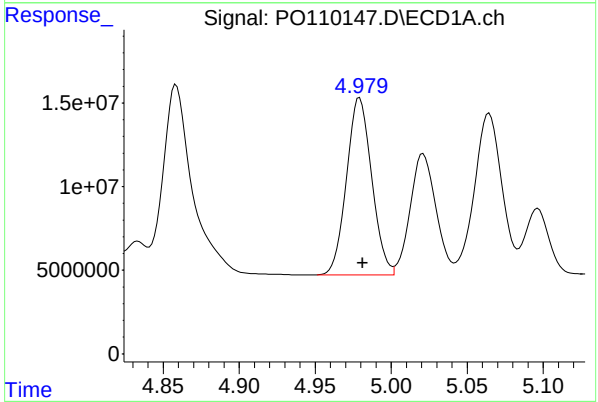
R.T.: 4.859 min
Delta R.T.: -0.002 min
Response: 155761580
Conc: 485.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



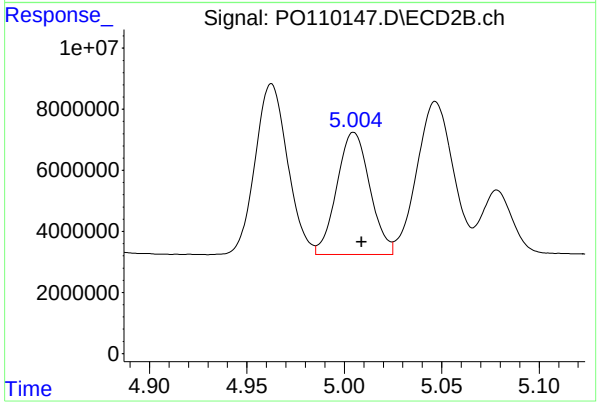
#5 AR-1016-3

R.T.: 4.963 min
Delta R.T.: -0.004 min
Response: 64613405
Conc: 455.73 ng/ml



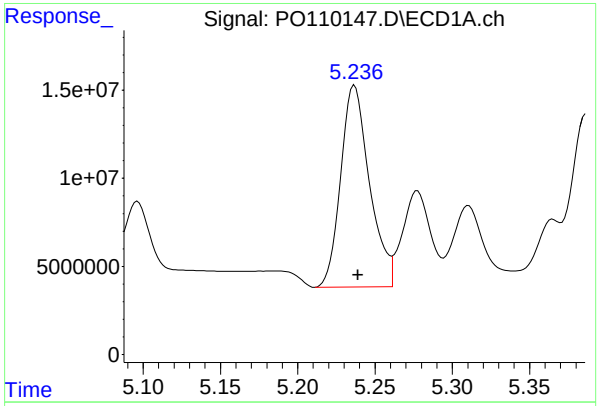
#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 122382639
Conc: 484.32 ng/ml



#6 AR-1016-4

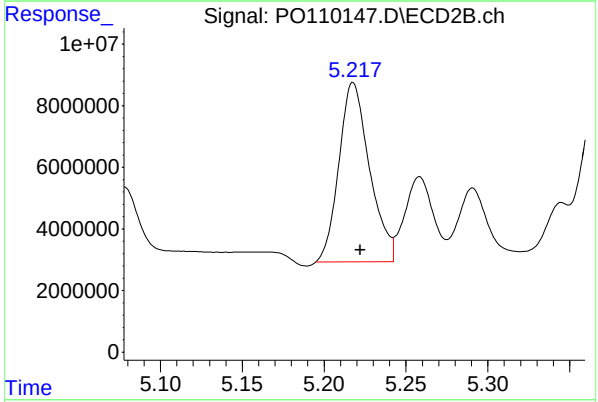
R.T.: 5.005 min
Delta R.T.: -0.004 min
Response: 47204838
Conc: 400.28 ng/ml



#7 AR-1016-5

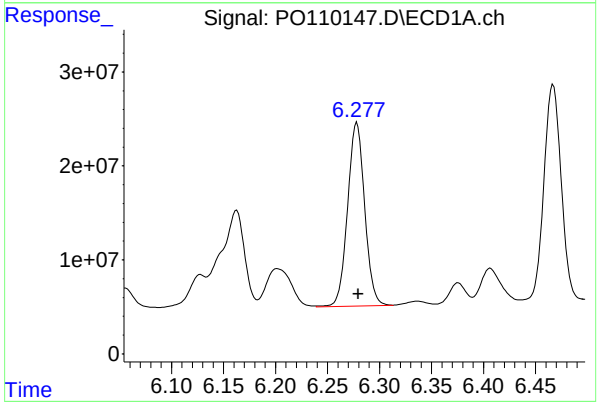
R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 148177861
Conc: 539.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



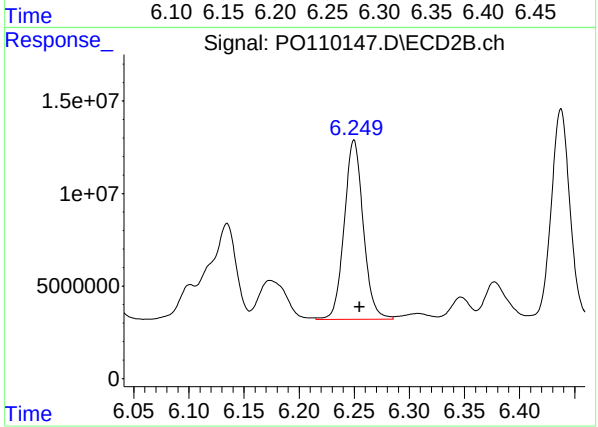
#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 75708806
Conc: 495.09 ng/ml



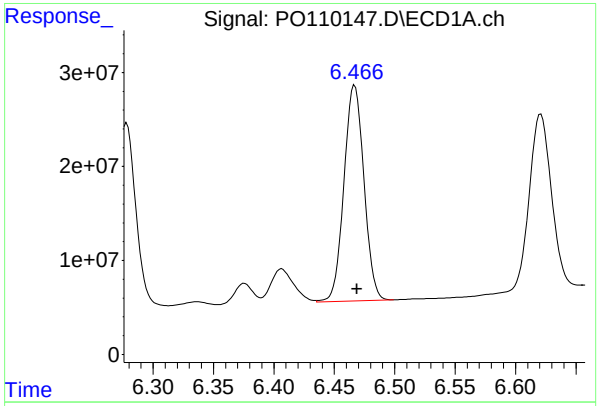
#31 AR-1260-1

R.T.: 6.278 min
Delta R.T.: -0.002 min
Response: 222651485
Conc: 472.37 ng/ml



#31 AR-1260-1

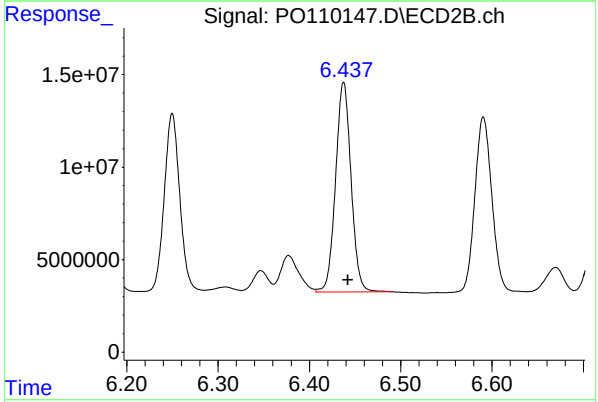
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 116797455
Conc: 457.24 ng/ml



#32 AR-1260-2

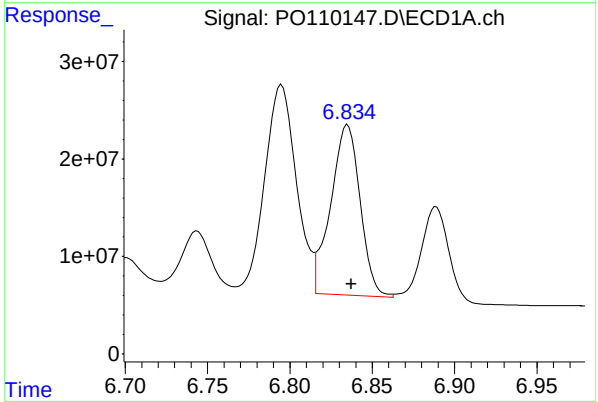
R.T.: 6.467 min
Delta R.T.: -0.002 min
Response: 264414347
Conc: 444.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



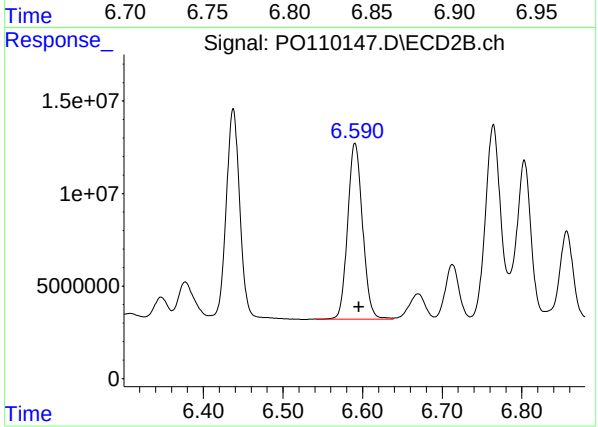
#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 133893170
Conc: 445.89 ng/ml



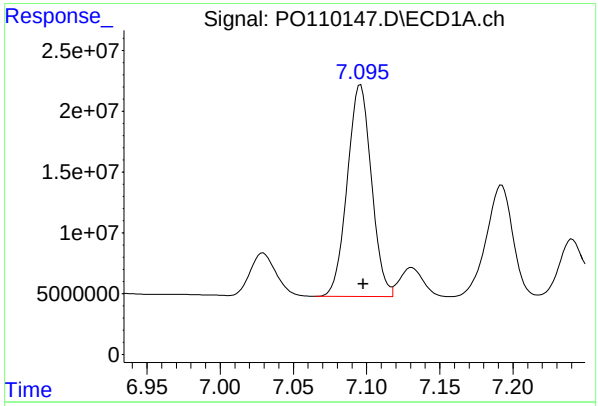
#33 AR-1260-3

R.T.: 6.835 min
Delta R.T.: -0.002 min
Response: 217981917
Conc: 449.17 ng/ml



#33 AR-1260-3

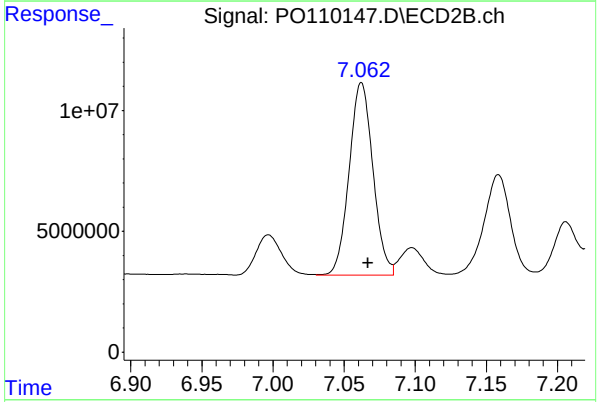
R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 123366224
Conc: 426.90 ng/ml



#34 AR-1260-4

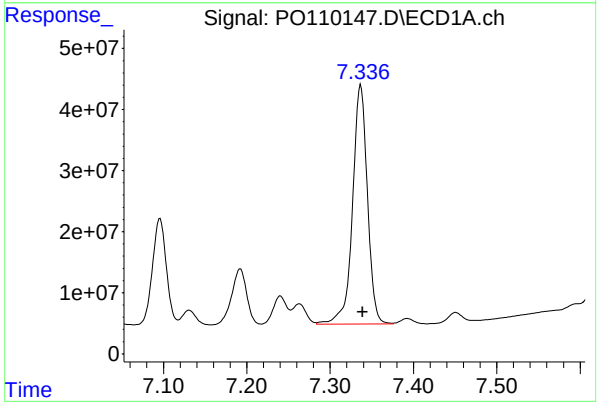
R.T.: 7.096 min
Delta R.T.: -0.002 min
Response: 200048759
Conc: 471.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



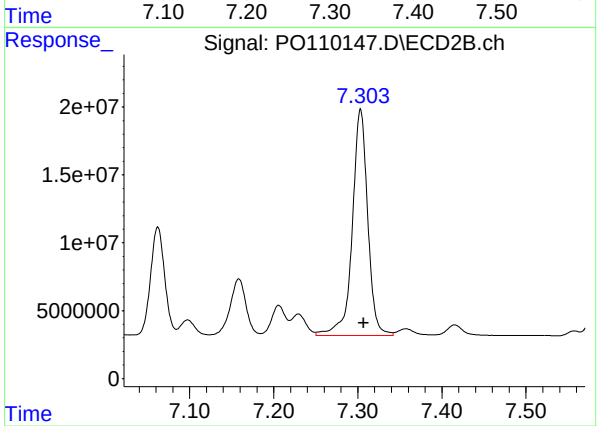
#34 AR-1260-4

R.T.: 7.062 min
Delta R.T.: -0.005 min
Response: 92721663
Conc: 431.11 ng/ml



#35 AR-1260-5

R.T.: 7.337 min
Delta R.T.: -0.003 min
Response: 487012203
Conc: 465.66 ng/ml



#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 212961835
Conc: 427.04 ng/ml

Raw Data: **PP071018.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 12:03 **Initial Calibration Time(s):** 10:30 17:53

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)	5.68	5.66	5.56	5.76	-0.02
Aroclor-1016-2	(2)	5.70	5.69	5.59	5.79	-0.01
Aroclor-1016-3	(3)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-4	(4)	5.86	5.85	5.75	5.95	-0.01
Aroclor-1016-5	(5)	6.15	6.14	6.04	6.24	-0.01
Aroclor-1260-1	(1)	7.27	7.26	7.16	7.36	-0.01
Aroclor-1260-2	(2)	7.53	7.51	7.41	7.61	-0.02
Aroclor-1260-3	(3)	7.88	7.87	7.77	7.97	-0.01
Aroclor-1260-4	(4)	8.11	8.09	7.99	8.19	-0.02
Aroclor-1260-5	(5)	8.43	8.41	8.31	8.51	-0.02
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	-0.01
Decachlorobiphenyl		10.25	10.23	10.13	10.33	-0.02

Raw Data: **PP071018.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 12:03 **Initial Calibration Time(s):** 10:30 17:53

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)	4.91	4.90	4.80	5.00	-0.01
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.36	5.36	5.26	5.46	0.00
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-3	(3)	6.74	6.73	6.63	6.83	-0.01
Aroclor-1260-4	(4)	7.21	7.21	7.11	7.31	0.00
Aroclor-1260-5	(5)	7.45	7.45	7.35	7.55	0.00
Tetrachloro-m-xylene		3.82	3.82	3.72	3.92	0.00
Decachlorobiphenyl		8.86	8.86	8.76	8.96	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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071018.D **Time Analyzed:** 12:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.563	5.763	447.090	500.000	-10.6
Aroclor-1016-2	5.696	5.585	5.785	421.740	500.000	-15.7
Aroclor-1016-3	5.760	5.648	5.848	433.330	500.000	-13.3
Aroclor-1016-4	5.857	5.745	5.945	477.290	500.000	-4.5
Aroclor-1016-5	6.151	6.038	6.238	492.100	500.000	-1.6
Aroclor-1260-1	7.271	7.156	7.356	477.250	500.000	-4.6
Aroclor-1260-2	7.525	7.410	7.610	494.750	500.000	-1.1
Aroclor-1260-3	7.884	7.768	7.968	468.080	500.000	-6.4
Aroclor-1260-4	8.108	7.992	8.192	441.170	500.000	-11.8
Aroclor-1260-5	8.429	8.311	8.511	505.450	500.000	1.1
Decachlorobiphenyl	10.251	10.125	10.325	51.750	50.000	3.5
Tetrachloro-m-xylene	4.521	4.412	4.612	49.370	50.000	-1.3

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071018.D **Time Analyzed:** 12:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.905	4.803	5.003	500.540	500.000	0.1
Aroclor-1016-2	4.923	4.822	5.022	485.520	500.000	-2.9
Aroclor-1016-3	5.101	4.999	5.199	496.340	500.000	-0.7
Aroclor-1016-4	5.142	5.041	5.241	513.350	500.000	2.7
Aroclor-1016-5	5.358	5.255	5.455	505.030	500.000	1.0
Aroclor-1260-1	6.394	6.292	6.492	515.610	500.000	3.1
Aroclor-1260-2	6.583	6.480	6.680	509.330	500.000	1.9
Aroclor-1260-3	6.736	6.634	6.834	501.920	500.000	0.4
Aroclor-1260-4	7.208	7.105	7.305	479.580	500.000	-4.1
Aroclor-1260-5	7.449	7.346	7.546	452.290	500.000	-9.5
Decachlorobiphenyl	8.863	8.759	8.959	45.520	50.000	-9.0
Tetrachloro-m-xylene	3.817	3.716	3.916	49.450	50.000	-1.1

Quantitation Report (QT Reviewed)

Sample Results: **PP071018.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 12:03
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 12:49:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.817	72161502	51262369	49.372	49.450
2)	SA Decachlor...	10.251	8.863	54469691	35878445	51.747	45.520
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.905	22735116	20065747	447.090	500.540
4)	L1 AR-1016-2	5.696	4.923	32918439	28094510	421.741m	485.518
5)	L1 AR-1016-3	5.760	5.101	20442339	15348610	433.334	496.344
6)	L1 AR-1016-4	5.857	5.142	17543082	12503022	477.288	513.346
7)	L1 AR-1016-5	6.151	5.358	16688098	16323161	492.098	505.030
31)	L7 AR-1260-1	7.271	6.394	32048528	26402675	477.248	515.614
32)	L7 AR-1260-2	7.525	6.583	47563257	32492103	494.748	509.330
33)	L7 AR-1260-3	7.884	6.736	37408443	27348168	468.084	501.923
34)	L7 AR-1260-4	8.108	7.208	34736507	22936352	441.172	479.576
35)	L7 AR-1260-5	8.429	7.449	80308844	56314516	505.449	452.288

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

Sample Results: **PP071018.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 12:03
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

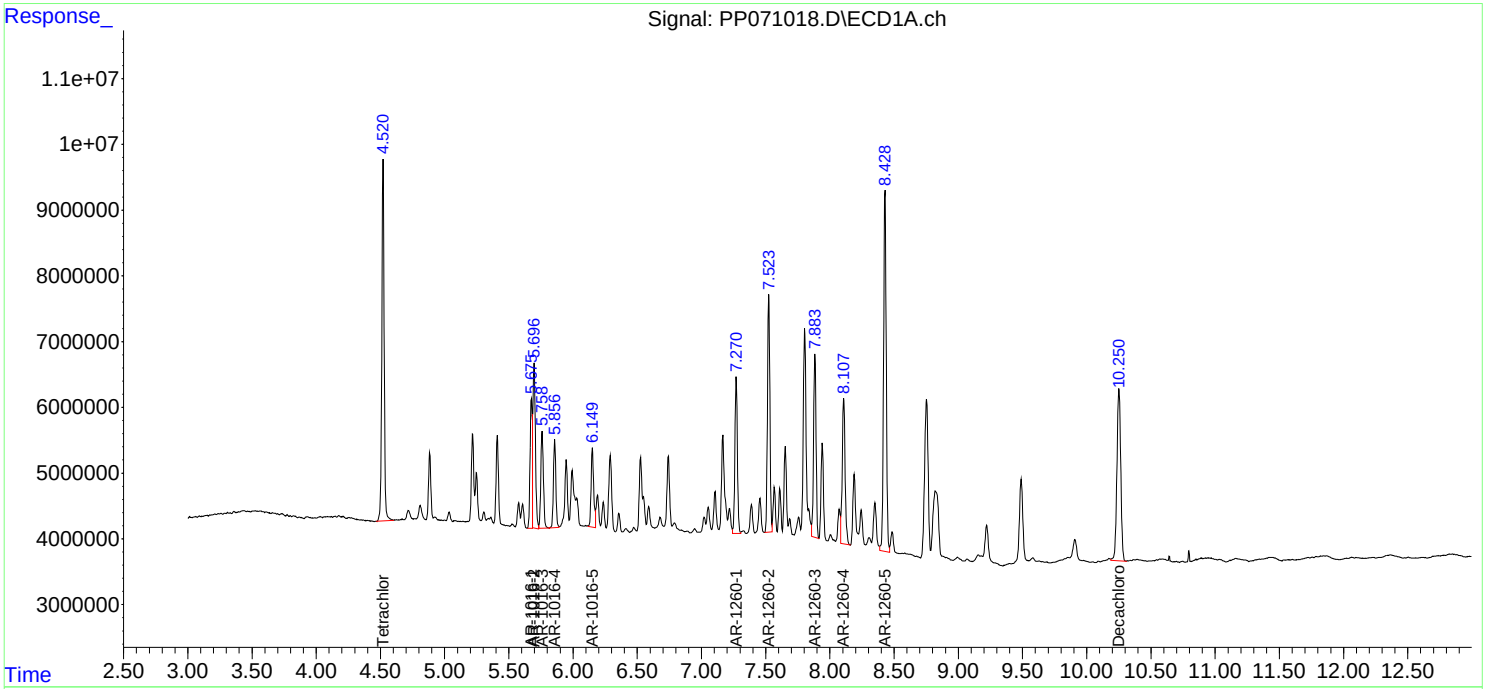
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

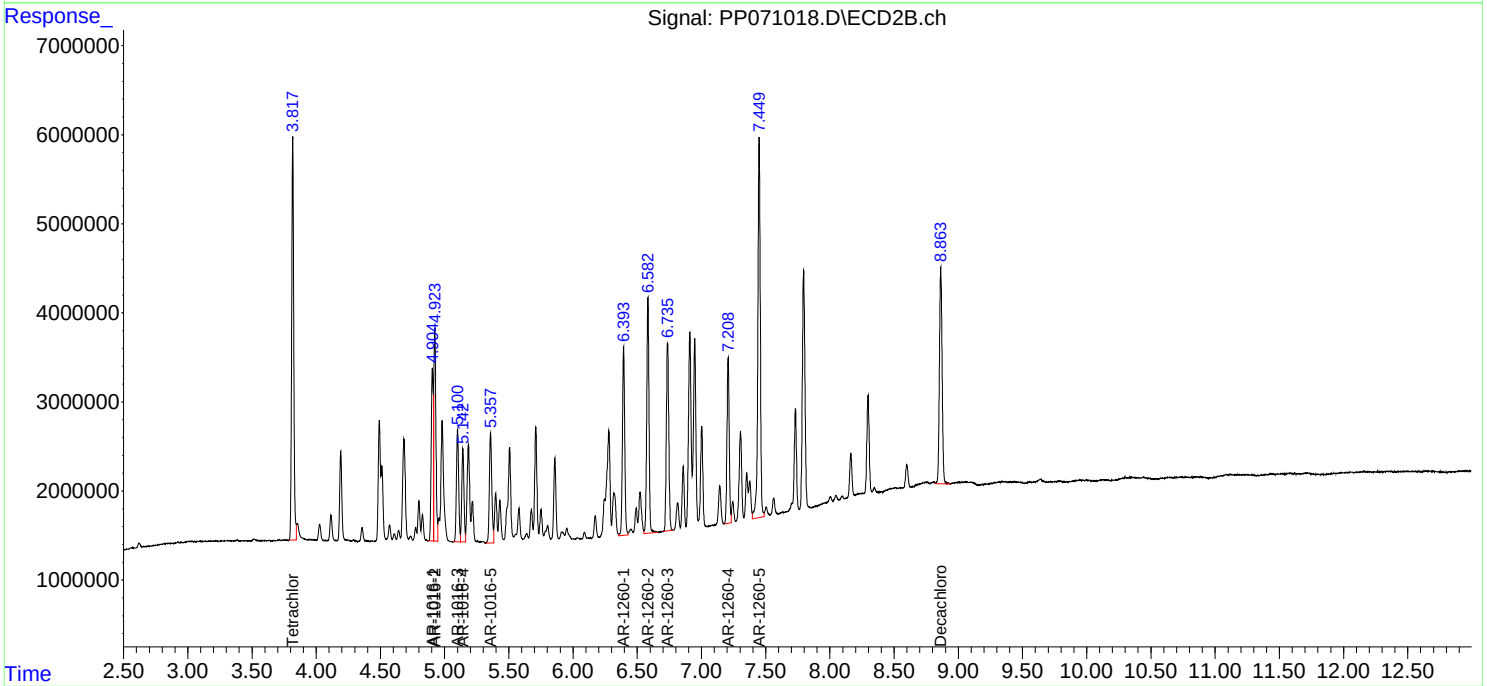
Manual Integrations APPROVED

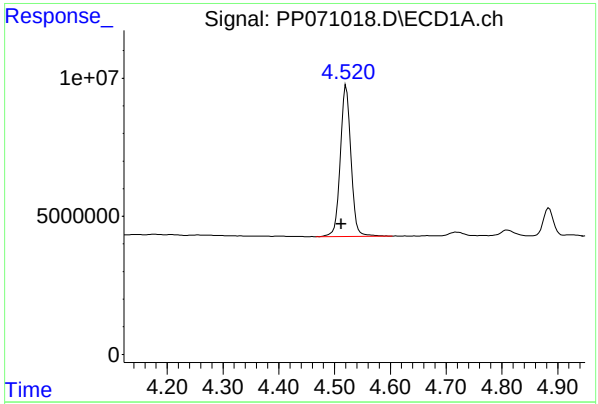
Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 12:49:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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







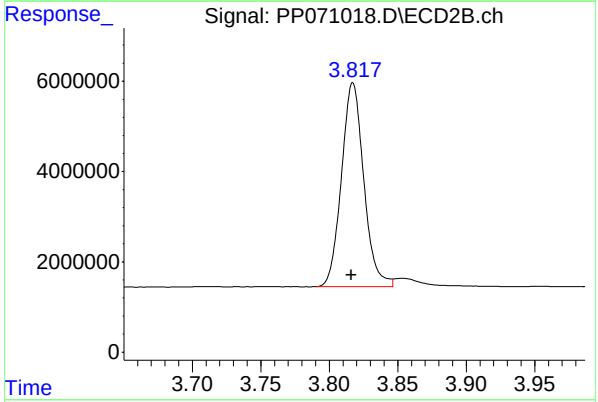
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: 0.009 min
Response: 72161502
Conc: 49.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

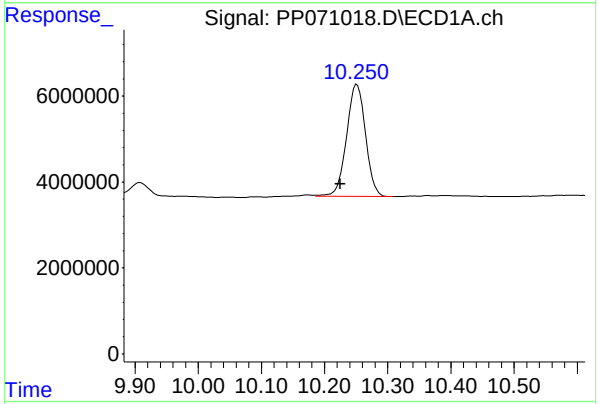
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025



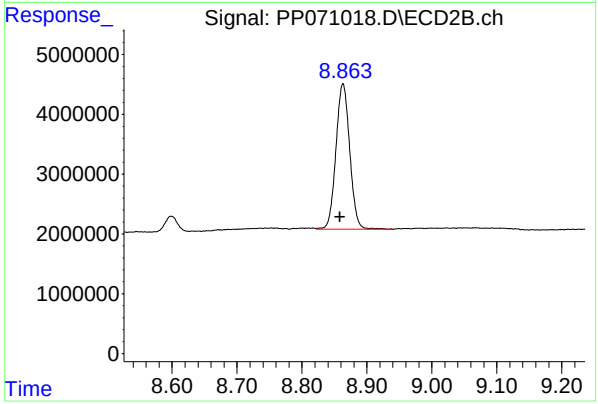
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.001 min
Response: 51262369
Conc: 49.45 ng/ml



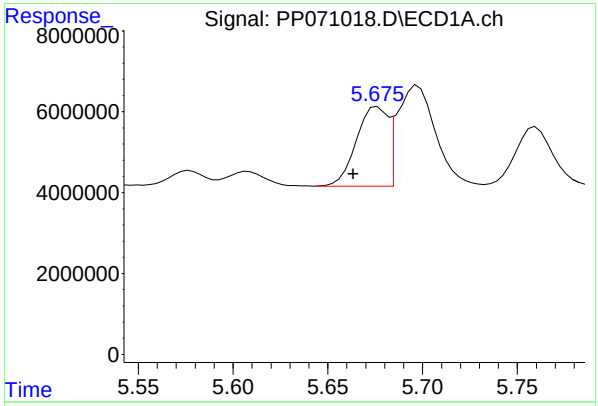
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: 0.026 min
Response: 54469691
Conc: 51.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.863 min
Delta R.T.: 0.004 min
Response: 35878445
Conc: 45.52 ng/ml



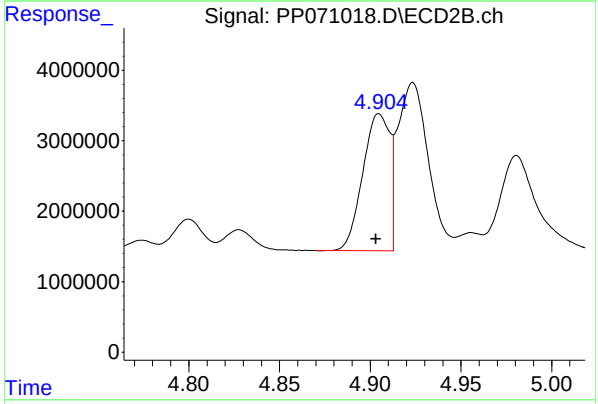
#3 AR-1016-1

R.T.: 5.676 min
Delta R.T.: 0.013 min
Response: 22735116
Conc: 447.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

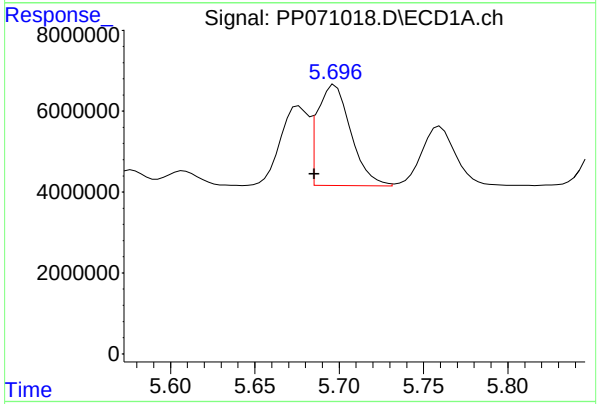
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025



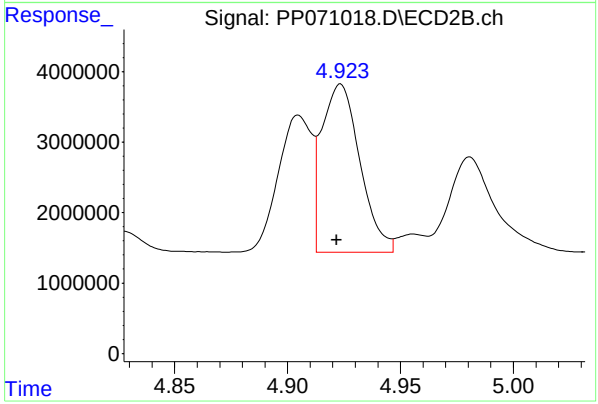
#3 AR-1016-1

R.T.: 4.905 min
Delta R.T.: 0.002 min
Response: 20065747
Conc: 500.54 ng/ml



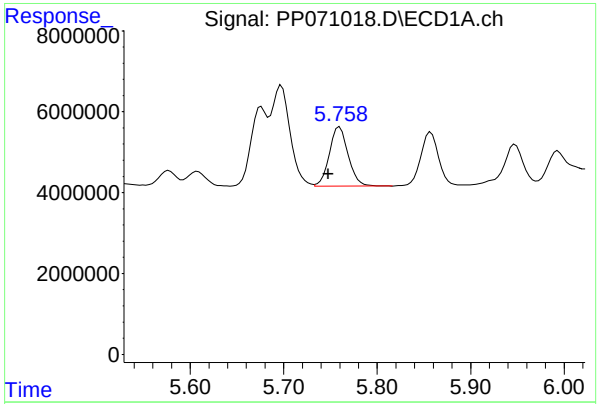
#4 AR-1016-2

R.T.: 5.696 min
Delta R.T.: 0.011 min
Response: 32918439
Conc: 421.74 ng/ml m



#4 AR-1016-2

R.T.: 4.923 min
Delta R.T.: 0.002 min
Response: 28094510
Conc: 485.52 ng/ml



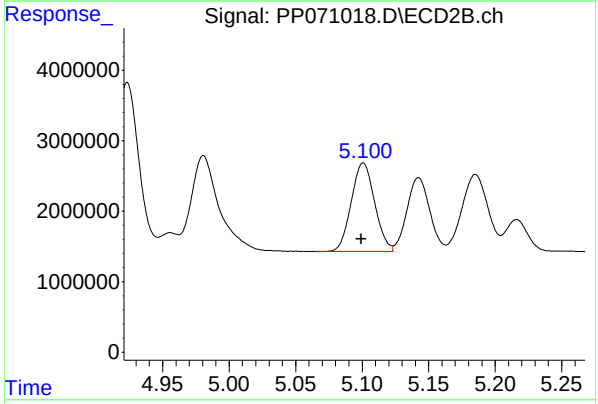
#5 AR-1016-3

R.T.: 5.760 min
Delta R.T.: 0.012 min
Response: 20442339
Conc: 433.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

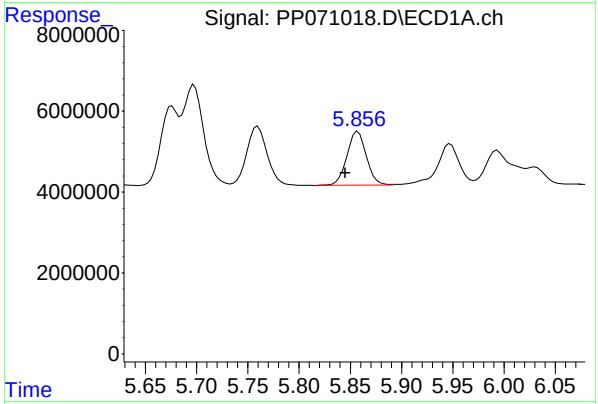
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025



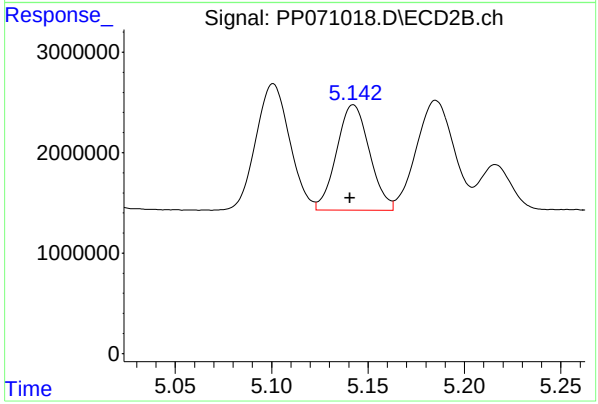
#5 AR-1016-3

R.T.: 5.101 min
Delta R.T.: 0.002 min
Response: 15348610
Conc: 496.34 ng/ml



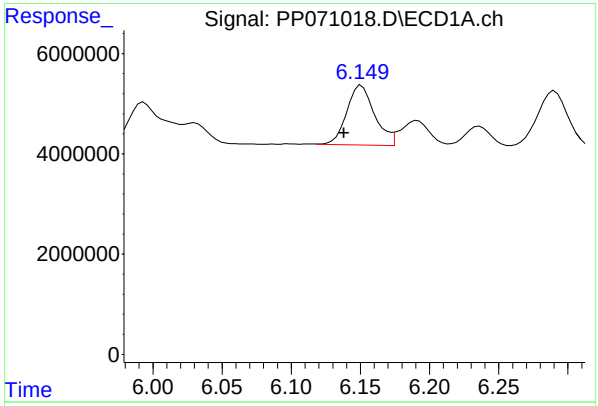
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: 0.012 min
Response: 17543082
Conc: 477.29 ng/ml



#6 AR-1016-4

R.T.: 5.142 min
Delta R.T.: 0.002 min
Response: 12503022
Conc: 513.35 ng/ml



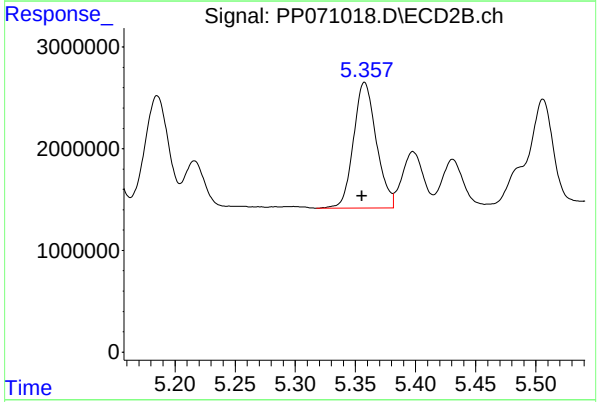
#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: 0.013 min
Response: 16688098
Conc: 492.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

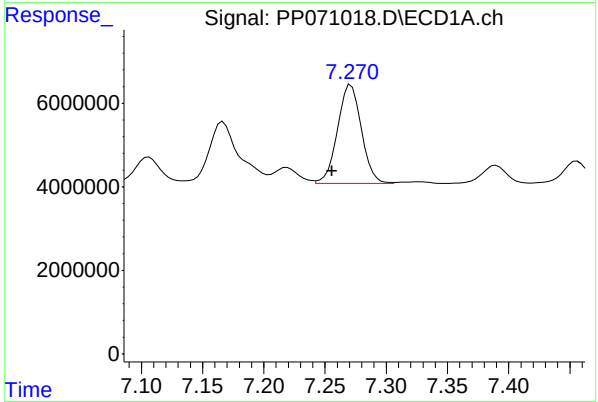
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025



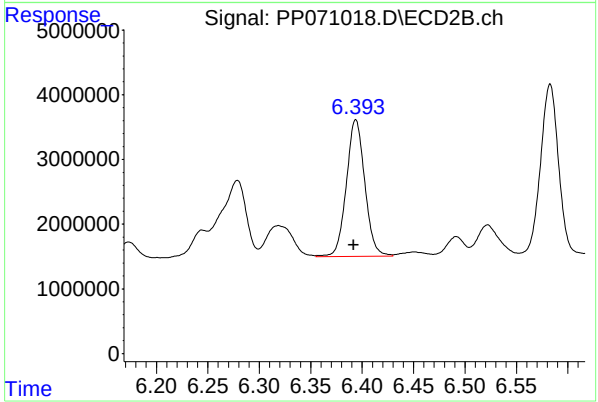
#7 AR-1016-5

R.T.: 5.358 min
Delta R.T.: 0.002 min
Response: 16323161
Conc: 505.03 ng/ml



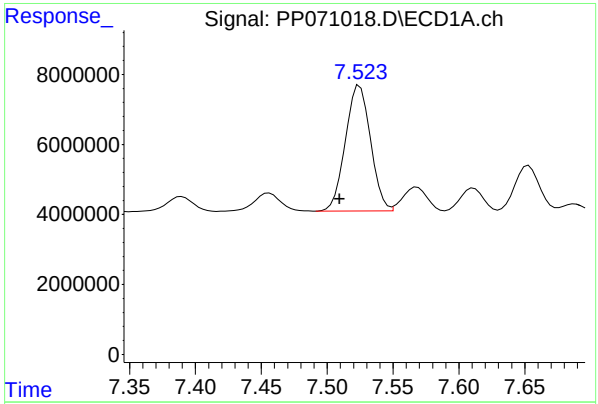
#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: 0.015 min
Response: 32048528
Conc: 477.25 ng/ml



#31 AR-1260-1

R.T.: 6.394 min
Delta R.T.: 0.002 min
Response: 26402675
Conc: 515.61 ng/ml



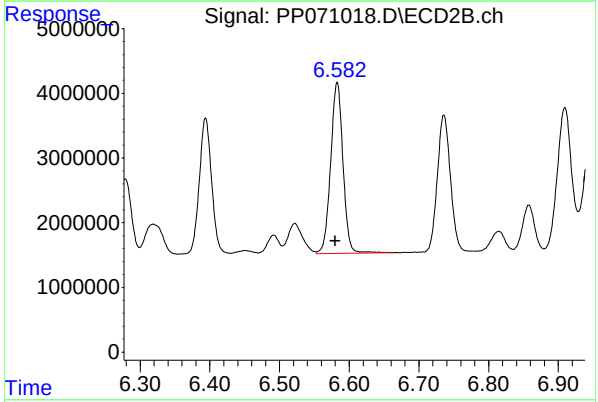
#32 AR-1260-2

R.T.: 7.525 min
Delta R.T.: 0.015 min
Response: 47563257
Conc: 494.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

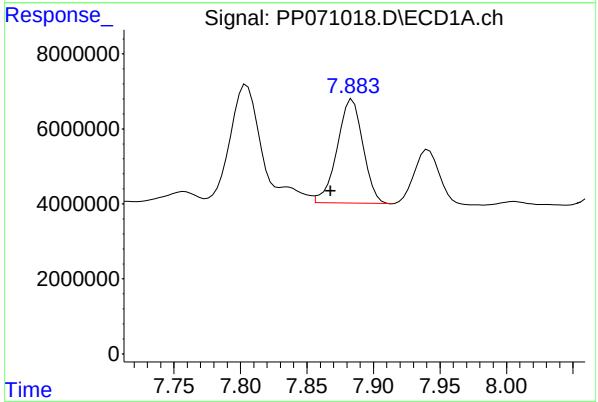
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025



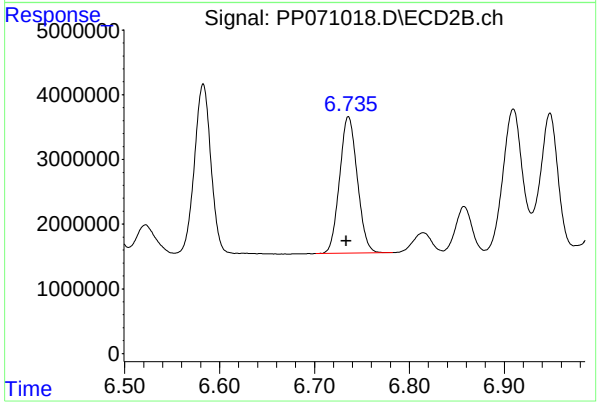
#32 AR-1260-2

R.T.: 6.583 min
Delta R.T.: 0.003 min
Response: 32492103
Conc: 509.33 ng/ml



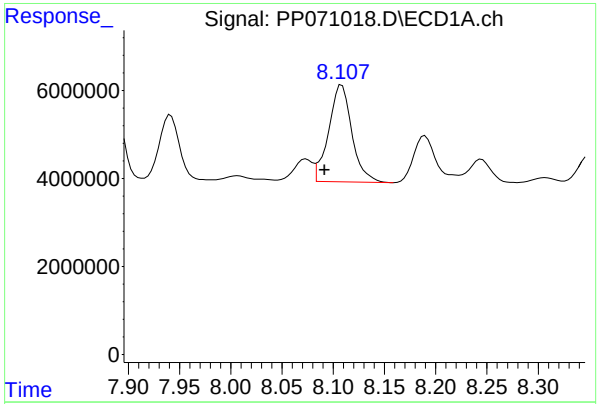
#33 AR-1260-3

R.T.: 7.884 min
Delta R.T.: 0.016 min
Response: 37408443
Conc: 468.08 ng/ml



#33 AR-1260-3

R.T.: 6.736 min
Delta R.T.: 0.002 min
Response: 27348168
Conc: 501.92 ng/ml



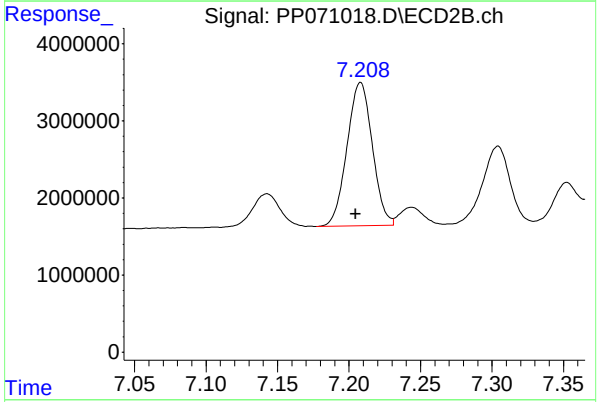
#34 AR-1260-4

R.T.: 8.108 min
Delta R.T.: 0.016 min
Response: 34736507
Conc: 441.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

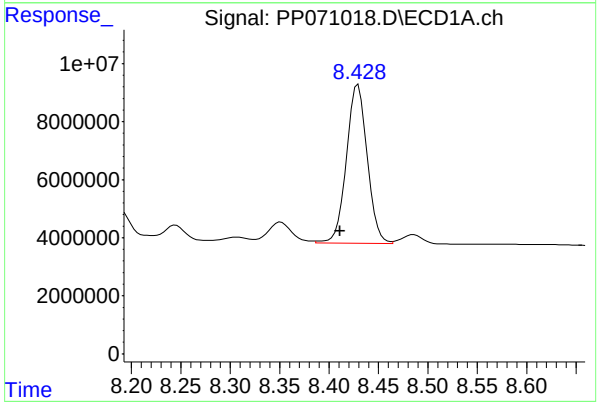
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/05/2025
Supervised By :mohammad ahmed 04/07/2025



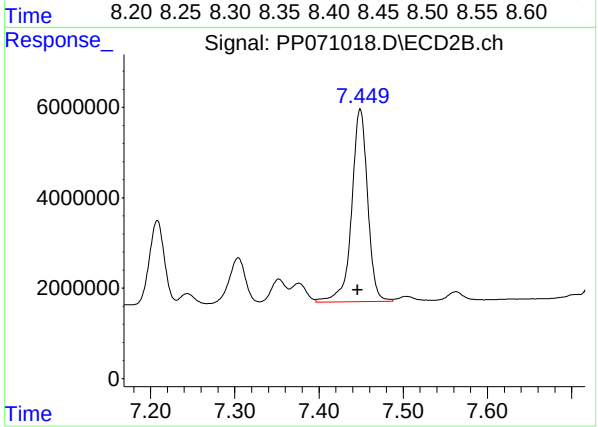
#34 AR-1260-4

R.T.: 7.208 min
Delta R.T.: 0.003 min
Response: 22936352
Conc: 479.58 ng/ml



#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: 0.018 min
Response: 80308844
Conc: 505.45 ng/ml



#35 AR-1260-5

R.T.: 7.449 min
Delta R.T.: 0.003 min
Response: 56314516
Conc: 452.29 ng/ml

Raw Data: **PP071027.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 19:02 **Initial Calibration Time(s):** 10:30 17:53

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)	5.67	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.70	5.69	5.59	5.79	-0.01
Aroclor-1016-3	(3)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-4	(4)	5.86	5.85	5.75	5.95	-0.01
Aroclor-1016-5	(5)	6.15	6.14	6.04	6.24	-0.01
Aroclor-1260-1	(1)	7.27	7.26	7.16	7.36	-0.01
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.88	7.87	7.77	7.97	-0.01
Aroclor-1260-4	(4)	8.11	8.09	7.99	8.19	-0.02
Aroclor-1260-5	(5)	8.43	8.41	8.31	8.51	-0.02
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	-0.01
Decachlorobiphenyl		10.25	10.23	10.13	10.33	-0.02

Raw Data: **PP071027.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 19:02 **Initial Calibration Time(s):** 10:30 17:53

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)	4.91	4.90	4.80	5.00	-0.01
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.36	5.36	5.26	5.46	0.00
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-3	(3)	6.74	6.73	6.63	6.83	-0.01
Aroclor-1260-4	(4)	7.21	7.21	7.11	7.31	0.00
Aroclor-1260-5	(5)	7.45	7.45	7.35	7.55	0.00
Tetrachloro-m-xylene		3.82	3.82	3.72	3.92	0.00
Decachlorobiphenyl		8.86	8.86	8.76	8.96	0.00

Raw Data: **PP071027.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL06 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071027.D **Time Analyzed:** 19:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.674	5.563	5.763	532.760	500.000	6.6
Aroclor-1016-2	5.696	5.585	5.785	531.220	500.000	6.2
Aroclor-1016-3	5.758	5.648	5.848	526.790	500.000	5.4
Aroclor-1016-4	5.855	5.745	5.945	568.260	500.000	13.7
Aroclor-1016-5	6.149	6.038	6.238	588.040	500.000	17.6
Aroclor-1260-1	7.269	7.156	7.356	579.580	500.000	15.9
Aroclor-1260-2	7.523	7.410	7.610	588.530	500.000	17.7
Aroclor-1260-3	7.882	7.768	7.968	575.050	500.000	15.0
Aroclor-1260-4	8.107	7.992	8.192	546.960	500.000	9.4
Aroclor-1260-5	8.427	8.311	8.511	568.920	500.000	13.8
Decachlorobiphenyl	10.248	10.125	10.325	57.990	50.000	16.0
Tetrachloro-m-xylene	4.519	4.412	4.612	54.480	50.000	9.0

Raw Data: **PP071027.D**

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.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL06 **Date Analyzed:** 03/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071027.D **Time Analyzed:** 19:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.905	4.803	5.003	533.670	500.000	6.7
Aroclor-1016-2	4.923	4.822	5.022	523.190	500.000	4.6
Aroclor-1016-3	5.101	4.999	5.199	555.200	500.000	11.0
Aroclor-1016-4	5.142	5.041	5.241	570.400	500.000	14.1
Aroclor-1016-5	5.358	5.255	5.455	564.150	500.000	12.8
Aroclor-1260-1	6.394	6.292	6.492	563.190	500.000	12.6
Aroclor-1260-2	6.582	6.480	6.680	551.480	500.000	10.3
Aroclor-1260-3	6.736	6.634	6.834	583.150	500.000	16.6
Aroclor-1260-4	7.208	7.105	7.305	542.190	500.000	8.4
Aroclor-1260-5	7.449	7.346	7.546	498.080	500.000	-0.4
Decachlorobiphenyl	8.864	8.759	8.959	51.370	50.000	2.7
Tetrachloro-m-xylene	3.817	3.716	3.916	52.750	50.000	5.5

Quantitation Report (QT Reviewed)

Sample Results: **PP071027.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:02
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: Apr 01 01:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.519	3.817	79621831	54678261	54.477	52.745
2)	SA Decachlor...	10.248	8.864	61036812	40485978	57.986	51.365
	Target Compounds						
3)	L1 AR-1016-1	5.674	4.905	27091566	21393910	532.761	533.671
4)	L1 AR-1016-2	5.696	4.923	41463854	30274548	531.223	523.192
5)	L1 AR-1016-3	5.758	5.101	24851035	17168744	526.788	555.204
6)	L1 AR-1016-4	5.855	5.142	20886745	13892610	568.258	570.400
7)	L1 AR-1016-5	6.149	5.358	19941665	18233928	588.039	564.148
31)	L7 AR-1260-1	7.269	6.394	38920749	28839009	579.585	563.192
32)	L7 AR-1260-2	7.523	6.582	56579233	35180750	588.531	551.476
33)	L7 AR-1260-3	7.882	6.736	45956742	31773766	575.047	583.146
34)	L7 AR-1260-4	8.107	7.208	43066073	25931127	546.962	542.194
35)	L7 AR-1260-5	8.427	7.449	90393319	62015888	568.919	498.078

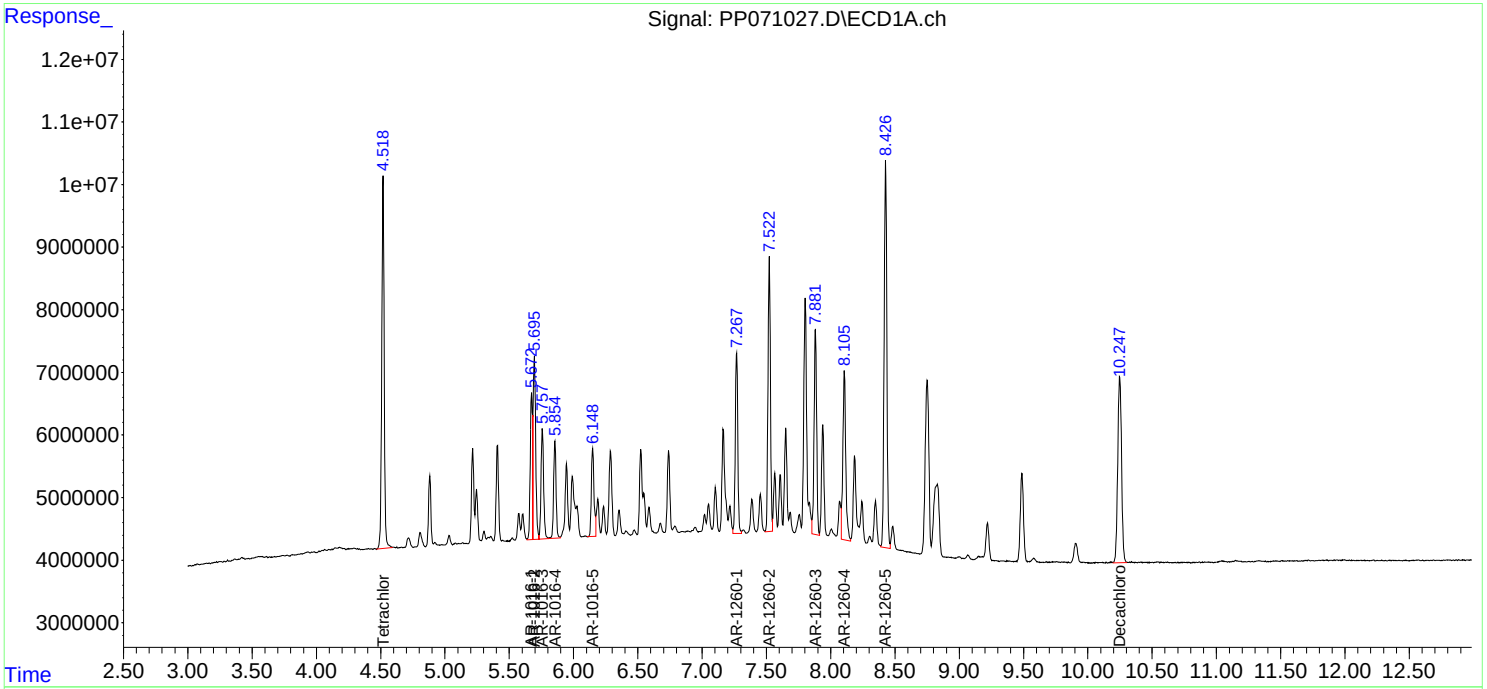
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

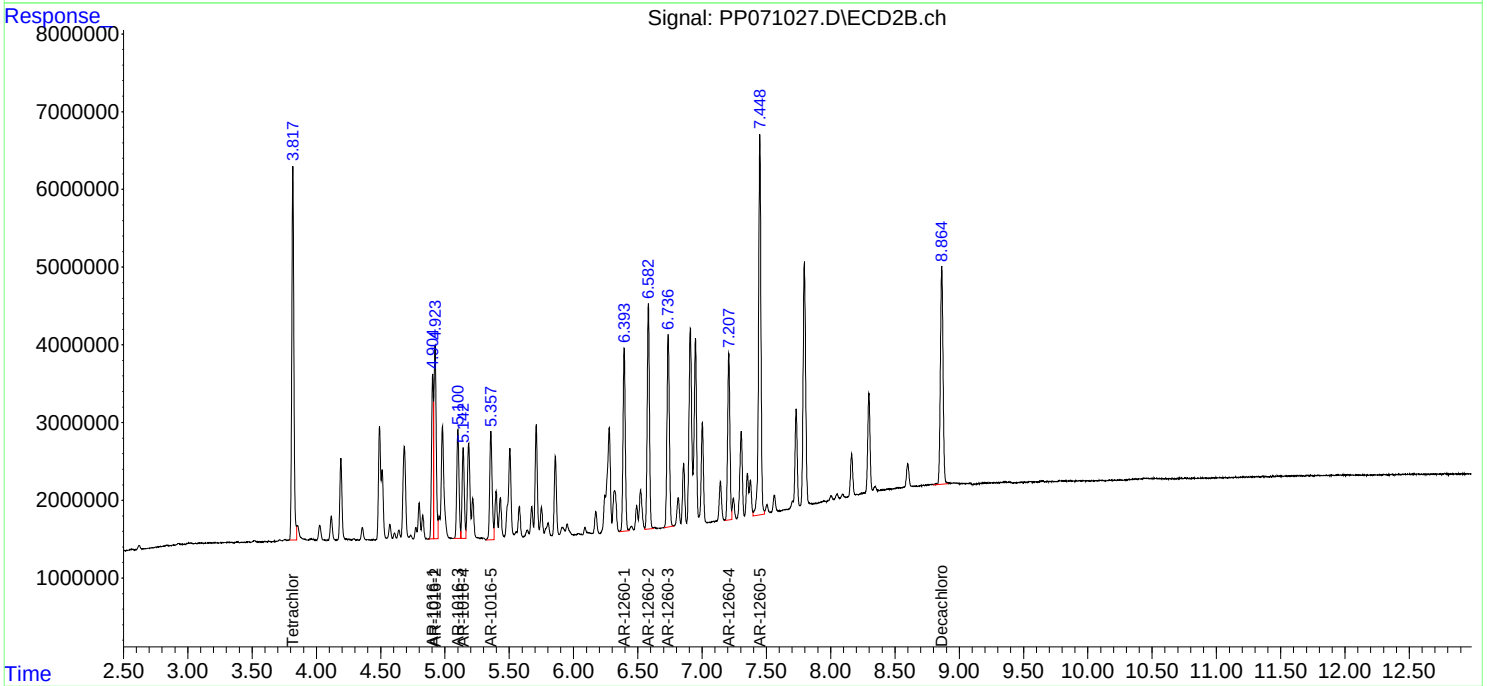
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:02
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

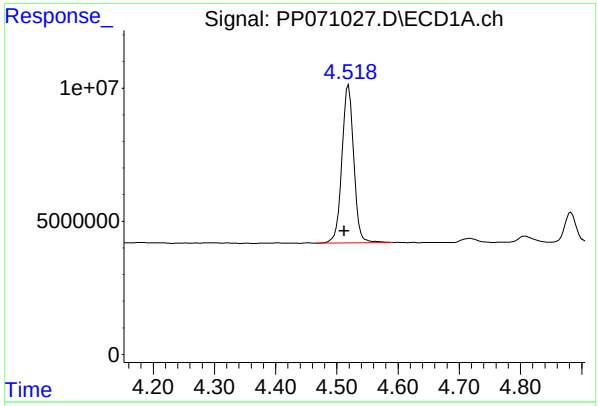
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 01:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



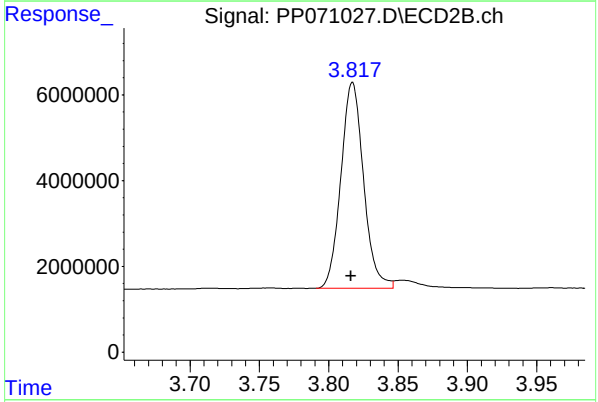




#1 Tetrachloro-m-xylene

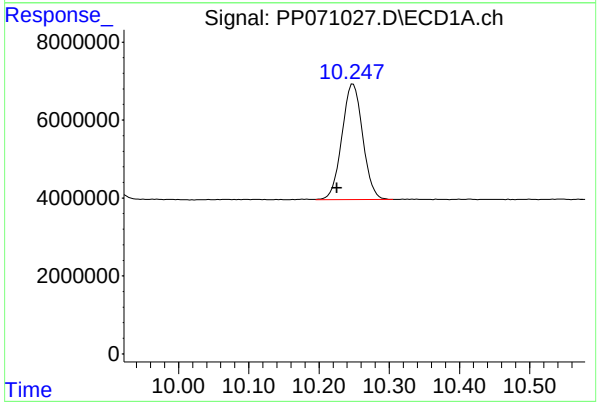
R.T.: 4.519 min
Delta R.T.: 0.007 min
Response: 79621831
Conc: 54.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



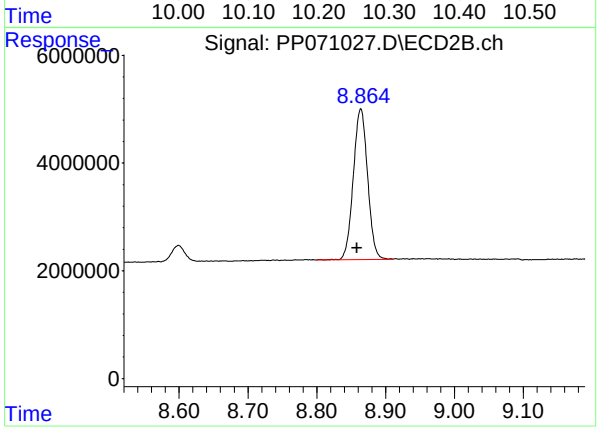
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.001 min
Response: 54678261
Conc: 52.75 ng/ml



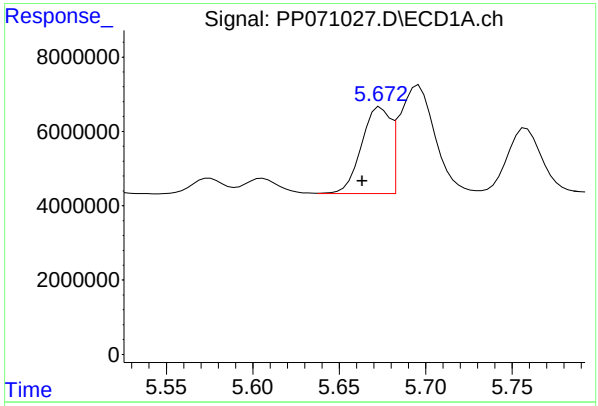
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.023 min
Response: 61036812
Conc: 57.99 ng/ml



#2 Decachlorobiphenyl

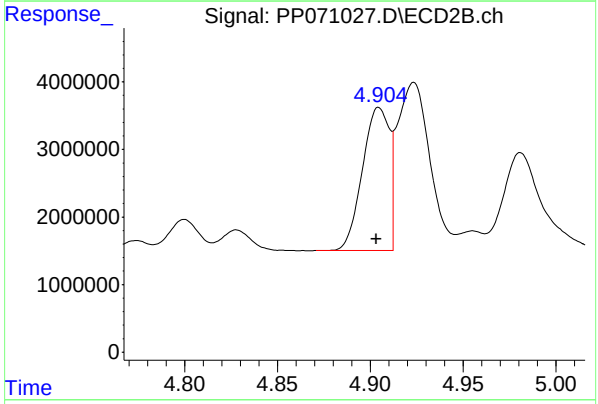
R.T.: 8.864 min
Delta R.T.: 0.005 min
Response: 40485978
Conc: 51.37 ng/ml



#3 AR-1016-1

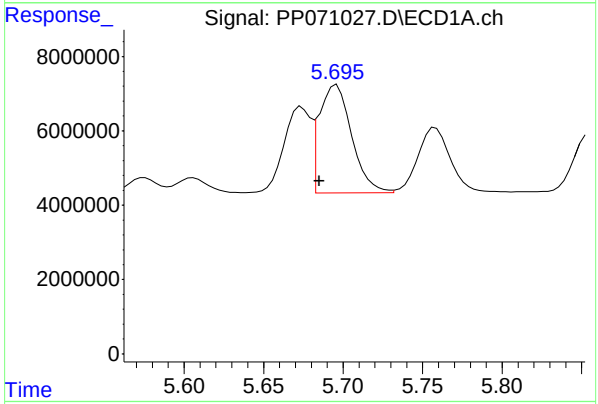
R.T.: 5.674 min
Delta R.T.: 0.010 min
Response: 27091566
Conc: 532.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



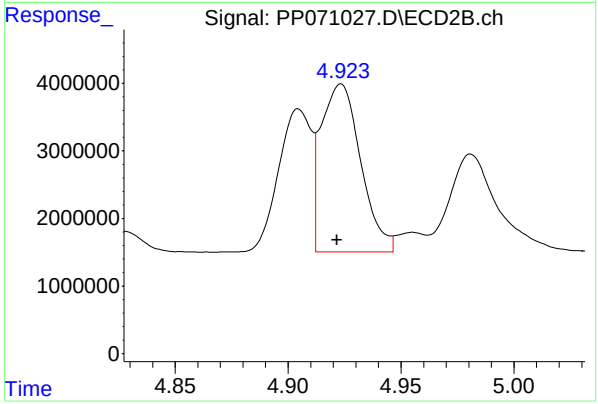
#3 AR-1016-1

R.T.: 4.905 min
Delta R.T.: 0.002 min
Response: 21393910
Conc: 533.67 ng/ml



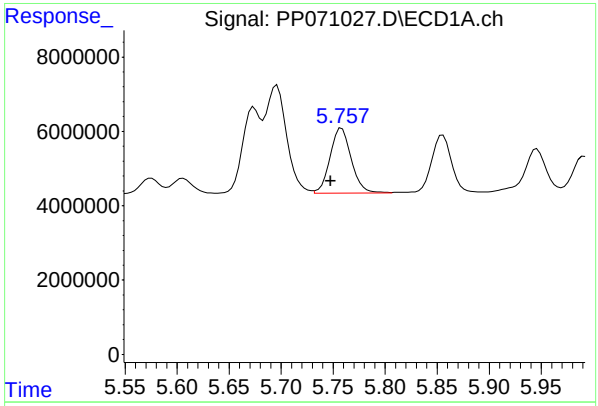
#4 AR-1016-2

R.T.: 5.696 min
Delta R.T.: 0.011 min
Response: 41463854
Conc: 531.22 ng/ml



#4 AR-1016-2

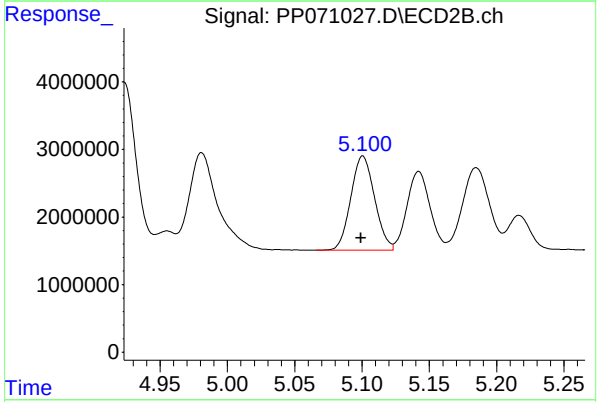
R.T.: 4.923 min
Delta R.T.: 0.002 min
Response: 30274548
Conc: 523.19 ng/ml



#5 AR-1016-3

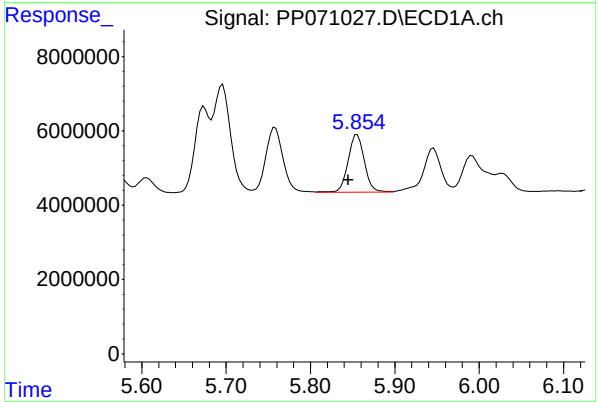
R.T.: 5.758 min
Delta R.T.: 0.010 min
Response: 24851035
Conc: 526.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



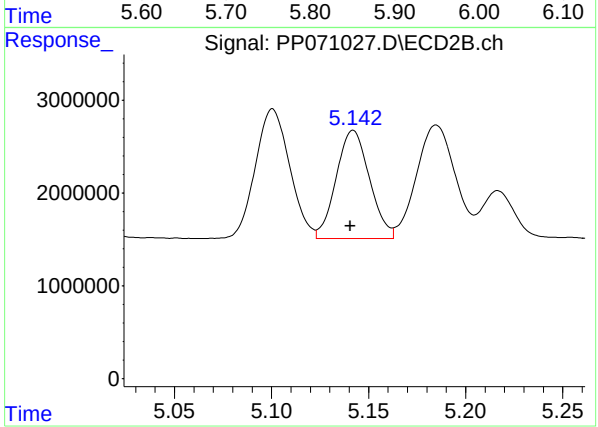
#5 AR-1016-3

R.T.: 5.101 min
Delta R.T.: 0.001 min
Response: 17168744
Conc: 555.20 ng/ml



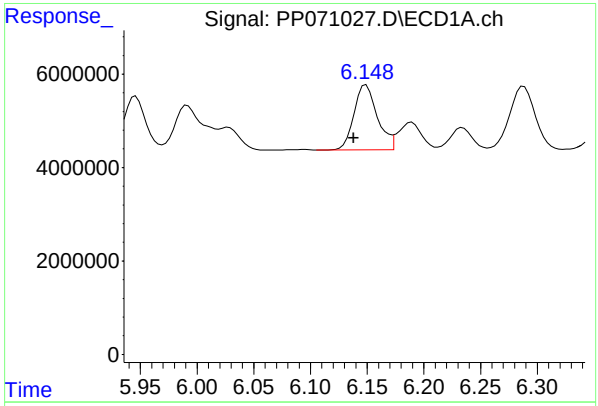
#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: 0.010 min
Response: 20886745
Conc: 568.26 ng/ml



#6 AR-1016-4

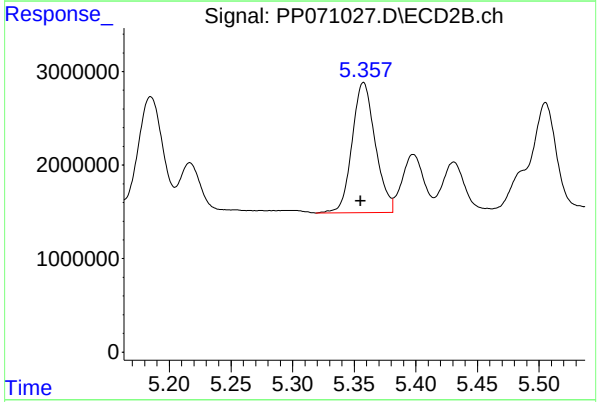
R.T.: 5.142 min
Delta R.T.: 0.001 min
Response: 13892610
Conc: 570.40 ng/ml



#7 AR-1016-5

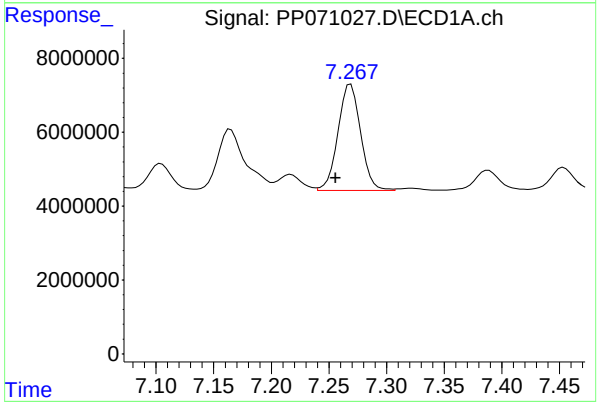
R.T.: 6.149 min
Delta R.T.: 0.011 min
Response: 19941665
Conc: 588.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



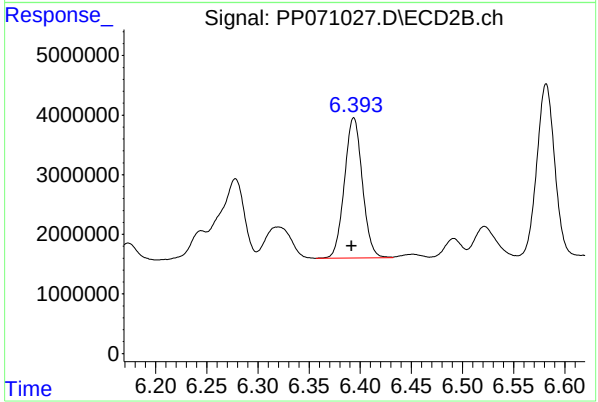
#7 AR-1016-5

R.T.: 5.358 min
Delta R.T.: 0.002 min
Response: 18233928
Conc: 564.15 ng/ml



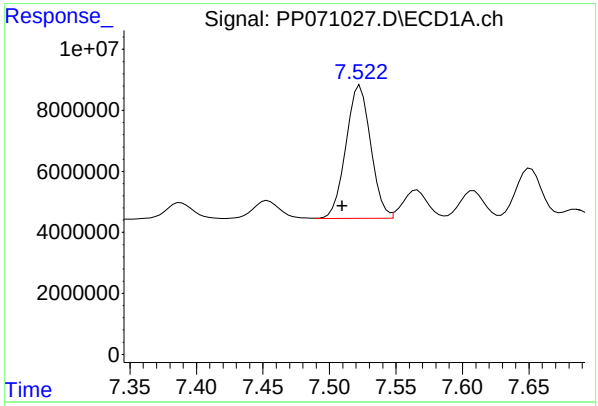
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: 0.013 min
Response: 38920749
Conc: 579.58 ng/ml



#31 AR-1260-1

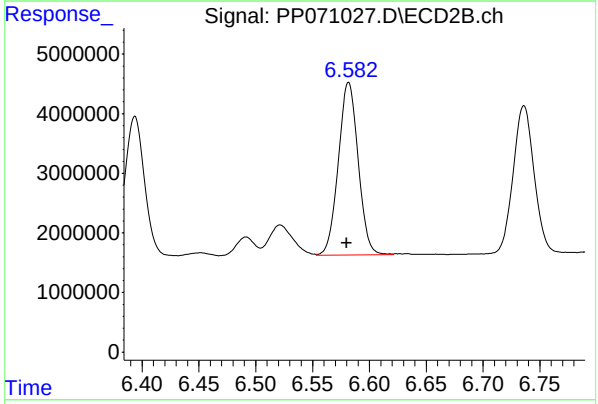
R.T.: 6.394 min
Delta R.T.: 0.002 min
Response: 28839009
Conc: 563.19 ng/ml



#32 AR-1260-2

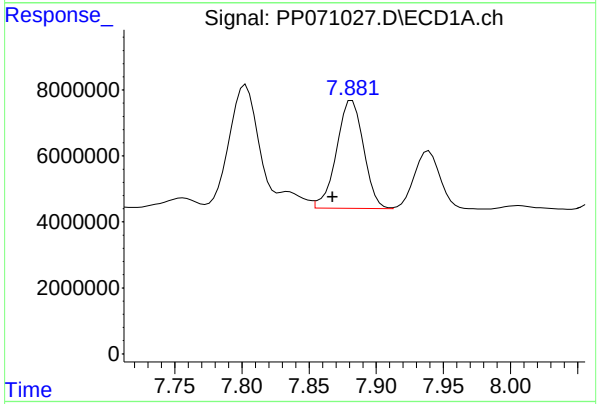
R.T.: 7.523 min
Delta R.T.: 0.013 min
Response: 56579233
Conc: 588.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



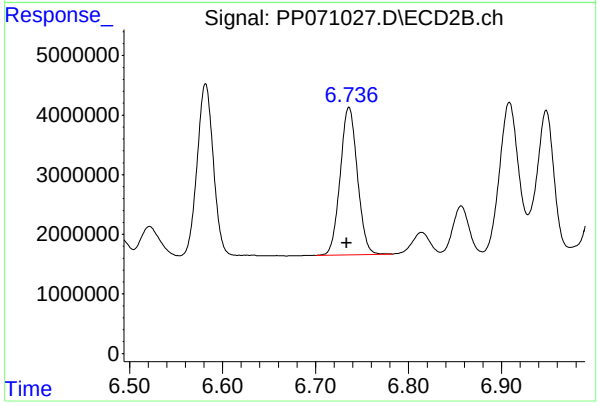
#32 AR-1260-2

R.T.: 6.582 min
Delta R.T.: 0.002 min
Response: 35180750
Conc: 551.48 ng/ml



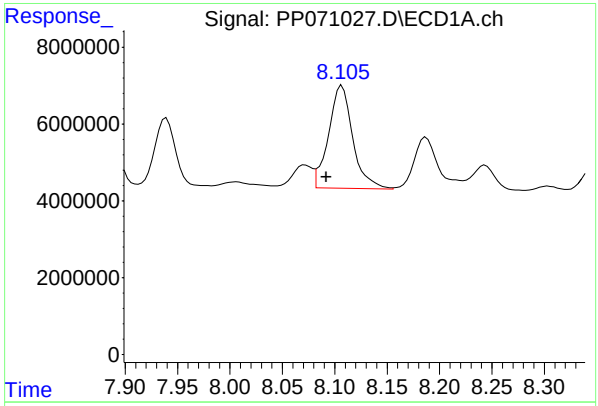
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: 0.014 min
Response: 45956742
Conc: 575.05 ng/ml



#33 AR-1260-3

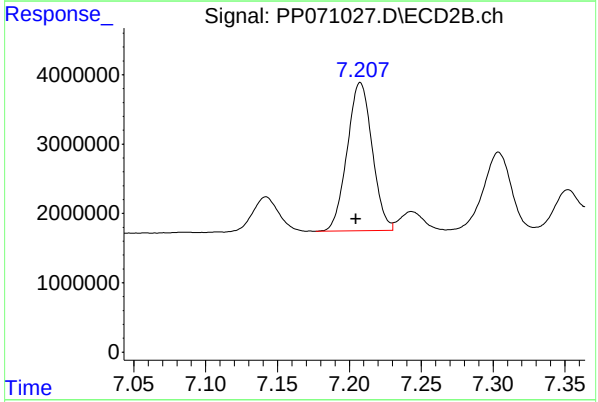
R.T.: 6.736 min
Delta R.T.: 0.002 min
Response: 31773766
Conc: 583.15 ng/ml



#34 AR-1260-4

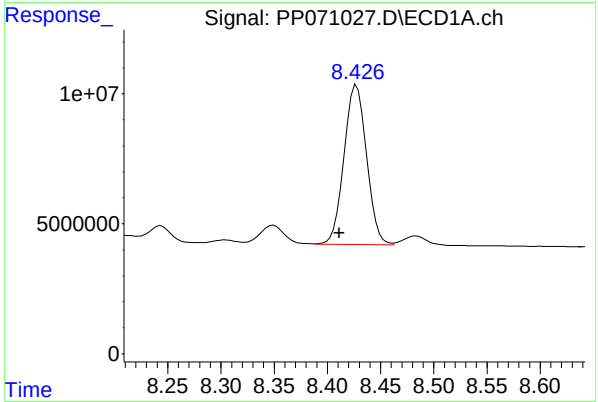
R.T.: 8.107 min
Delta R.T.: 0.015 min
Response: 43066073
Conc: 546.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



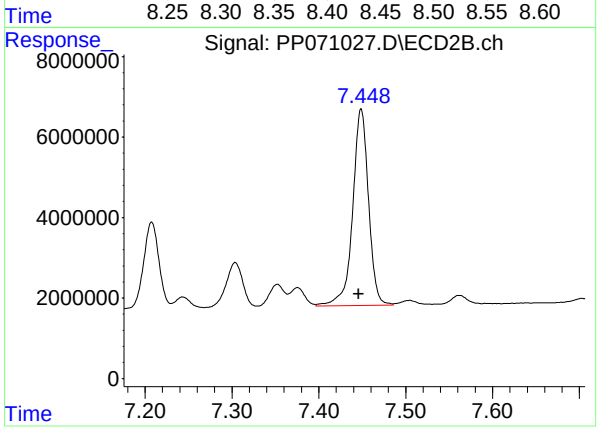
#34 AR-1260-4

R.T.: 7.208 min
Delta R.T.: 0.003 min
Response: 25931127
Conc: 542.19 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: 0.016 min
Response: 90393319
Conc: 568.92 ng/ml



#35 AR-1260-5

R.T.: 7.449 min
Delta R.T.: 0.003 min
Response: 62015888
Conc: 498.08 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.:** Q1664

Project: RFP 905 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/18/2025 03/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	03/18/2025	13:44	PO109971.D	8.74	3.69
AR1660ICC1000	AR1660ICC1000	03/18/2025	14:03	PO109972.D	8.75	3.69
AR1660ICC750	AR1660ICC750	03/18/2025	14:21	PO109973.D	8.75	3.69
AR1660ICC500	AR1660ICC500	03/18/2025	14:39	PO109974.D	8.75	3.69
AR1660ICC250	AR1660ICC250	03/18/2025	14:58	PO109975.D	8.75	3.69
AR1660ICC050	AR1660ICC050	03/18/2025	15:16	PO109976.D	8.74	3.69
AR1221ICC500	AR1221ICC500	03/18/2025	15:34	PO109977.D	8.74	3.69
AR1232ICC500	AR1232ICC500	03/18/2025	15:53	PO109978.D	8.74	3.69
AR1242ICC1000	AR1242ICC1000	03/18/2025	16:11	PO109979.D	8.74	3.69
AR1242ICC750	AR1242ICC750	03/18/2025	16:30	PO109980.D	8.74	3.69
AR1242ICC500	AR1242ICC500	03/18/2025	16:48	PO109981.D	8.74	3.69
AR1242ICC250	AR1242ICC250	03/18/2025	17:06	PO109982.D	8.74	3.69
AR1242ICC050	AR1242ICC050	03/18/2025	17:25	PO109983.D	8.74	3.69
AR1248ICC1000	AR1248ICC1000	03/18/2025	17:42	PO109984.D	8.74	3.69
AR1248ICC750	AR1248ICC750	03/18/2025	18:00	PO109985.D	8.74	3.69
AR1248ICC500	AR1248ICC500	03/18/2025	18:19	PO109986.D	8.74	3.69
AR1248ICC250	AR1248ICC250	03/18/2025	18:37	PO109987.D	8.74	3.69
AR1248ICC050	AR1248ICC050	03/18/2025	18:54	PO109988.D	8.74	3.69
AR1254ICC1000	AR1254ICC1000	03/18/2025	19:13	PO109989.D	8.74	3.69
AR1254ICC750	AR1254ICC750	03/18/2025	19:31	PO109990.D	8.74	3.69
AR1254ICC500	AR1254ICC500	03/18/2025	19:49	PO109991.D	8.74	3.69
AR1254ICC250	AR1254ICC250	03/18/2025	20:07	PO109992.D	8.74	3.69
AR1254ICC050	AR1254ICC050	03/18/2025	20:25	PO109993.D	8.74	3.69
AR1262ICC500	AR1262ICC500	03/18/2025	20:43	PO109994.D	8.74	3.69
AR1268ICC1000	AR1268ICC1000	03/18/2025	21:02	PO109995.D	8.74	3.69
AR1268ICC750	AR1268ICC750	03/18/2025	21:20	PO109996.D	8.74	3.69
AR1268ICC500	AR1268ICC500	03/18/2025	21:39	PO109997.D	8.74	3.69
AR1268ICC250	AR1268ICC250	03/18/2025	21:57	PO109998.D	8.74	3.69
AR1268ICC050	AR1268ICC050	03/18/2025	22:15	PO109999.D	8.74	3.69
AR1660CCC500	AR1660CCC500	03/31/2025	16:29	PO110118.D	8.74	3.69
I.BLK	I.BLK	03/31/2025	17:41	PO110122.D	8.74	3.69
PB167394BL	PB167394BL	03/31/2025	17:59	PO110123.D	8.74	3.69
PB167394BS	PB167394BS	03/31/2025	18:18	PO110124.D	8.74	3.69
PB167394TB	PB167394TB	03/31/2025	18:36	PO110125.D	8.75	3.69
P001-BBDGA-001-01	Q1664-04	03/31/2025	18:54	PO110126.D	8.74	3.69
P001-BBDGA-001-01MS	Q1664-05MS	03/31/2025	19:13	PO110127.D	8.74	3.69
P001-BBDGA-001-01MSD	Q1664-06MSD	03/31/2025	19:31	PO110128.D	8.75	3.69
P001-BBDGA-001-02	Q1664-08	03/31/2025	19:48	PO110129.D	8.74	3.69
P001-BBDGA-002-01	Q1664-10	03/31/2025	20:07	PO110130.D	8.74	3.69
P001-BBDGA-003-01	Q1664-12	03/31/2025	20:25	PO110131.D	8.74	3.69
P001-BBDGA-004-01	Q1664-14	03/31/2025	20:44	PO110132.D	8.75	3.69
AR1660CCC500	AR1660CCC500	03/31/2025	21:45	PO110133.D	8.74	3.69

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Analytical Sequence

I.BLK	I.BLK	03/31/2025	23:35	PO110137.D	8.74	3.69
AR1660CCC500	AR1660CCC500	04/01/2025	08:58	PO110139.D	8.74	3.69
I,BLK	I,BLK	04/01/2025	10:12	PO110143.D	8.74	3.69
P001-BBDGA-006-01	Q1664-18	04/01/2025	10:48	PO110145.D	8.74	3.69
P001-BBDGA-008-01	Q1664-22	04/01/2025	11:07	PO110146.D	8.74	3.69
AR1660CCC500	AR1660CCC500	04/01/2025	13:47	PO110147.D	8.74	3.69
I,BLK	I,BLK	04/01/2025	15:01	PO110151.D	8.74	3.69
I.BLK	I.BLK	03/27/2025	10:14	PP070916.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	03/27/2025	10:30	PP070917.D	10.23	4.51
AR1660ICC750	AR1660ICC750	03/27/2025	10:47	PP070918.D	10.23	4.52
AR1660ICC500	AR1660ICC500	03/27/2025	11:03	PP070919.D	10.23	4.51
AR1660ICC250	AR1660ICC250	03/27/2025	11:19	PP070920.D	10.23	4.52
AR1660ICC050	AR1660ICC050	03/27/2025	11:35	PP070921.D	10.23	4.51
AR1221ICC500	AR1221ICC500	03/27/2025	11:52	PP070922.D	10.23	4.52
AR1232ICC500	AR1232ICC500	03/27/2025	12:11	PP070923.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	03/27/2025	12:28	PP070924.D	10.23	4.51
AR1242ICC750	AR1242ICC750	03/27/2025	12:44	PP070925.D	10.23	4.51
AR1242ICC500	AR1242ICC500	03/27/2025	13:00	PP070926.D	10.23	4.51
AR1242ICC250	AR1242ICC250	03/27/2025	13:16	PP070927.D	10.23	4.51
AR1242ICC050	AR1242ICC050	03/27/2025	13:33	PP070928.D	10.23	4.51
AR1248ICC1000	AR1248ICC1000	03/27/2025	13:49	PP070929.D	10.23	4.51
AR1248ICC750	AR1248ICC750	03/27/2025	14:05	PP070930.D	10.23	4.51
AR1248ICC500	AR1248ICC500	03/27/2025	14:22	PP070931.D	10.23	4.51
AR1248ICC250	AR1248ICC250	03/27/2025	14:38	PP070932.D	10.23	4.52
AR1248ICC050	AR1248ICC050	03/27/2025	14:55	PP070933.D	10.23	4.51
AR1254ICC1000	AR1254ICC1000	03/27/2025	15:11	PP070934.D	10.23	4.51
AR1254ICC750	AR1254ICC750	03/27/2025	15:27	PP070935.D	10.23	4.51
AR1254ICC500	AR1254ICC500	03/27/2025	15:43	PP070936.D	10.23	4.51
AR1254ICC250	AR1254ICC250	03/27/2025	16:00	PP070937.D	10.23	4.51
AR1254ICC050	AR1254ICC050	03/27/2025	16:16	PP070938.D	10.23	4.52
AR1262ICC500	AR1262ICC500	03/27/2025	16:32	PP070939.D	10.23	4.51
AR1268ICC1000	AR1268ICC1000	03/27/2025	16:48	PP070940.D	10.23	4.52
AR1268ICC750	AR1268ICC750	03/27/2025	17:05	PP070941.D	10.23	4.51
AR1268ICC500	AR1268ICC500	03/27/2025	17:21	PP070942.D	10.23	4.51
AR1268ICC250	AR1268ICC250	03/27/2025	17:37	PP070943.D	10.23	4.52
AR1268ICC050	AR1268ICC050	03/27/2025	17:53	PP070944.D	10.23	4.51
AR1660CCC500	AR1660CCC500	03/31/2025	12:03	PP071018.D	10.25	4.52
I.BLK	I.BLK	03/31/2025	13:09	PP071022.D	10.25	4.52
P001-BBDGA-005-01	Q1664-16	03/31/2025	17:02	PP071023.D	10.25	4.52
P001-BBDGA-007-01	Q1664-20	03/31/2025	17:35	PP071025.D	10.25	4.52
AR1660CCC500	AR1660CCC500	03/31/2025	19:02	PP071027.D	10.25	4.52
I.BLK	I.BLK	03/31/2025	20:39	PP071031.D	10.25	4.52

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Analytical Sequence

Client: Weston Solutions, Inc. **SDG No.:** Q1664

Project: RFP 905 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/18/2025 03/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	03/18/2025	13:44	PO109971.D	8.70	3.69
AR1660ICC1000	AR1660ICC1000	03/18/2025	14:03	PO109972.D	8.70	3.69
AR1660ICC750	AR1660ICC750	03/18/2025	14:21	PO109973.D	8.70	3.69
AR1660ICC500	AR1660ICC500	03/18/2025	14:39	PO109974.D	8.70	3.69
AR1660ICC250	AR1660ICC250	03/18/2025	14:58	PO109975.D	8.70	3.69
AR1660ICC050	AR1660ICC050	03/18/2025	15:16	PO109976.D	8.70	3.69
AR1221ICC500	AR1221ICC500	03/18/2025	15:34	PO109977.D	8.70	3.69
AR1232ICC500	AR1232ICC500	03/18/2025	15:53	PO109978.D	8.70	3.69
AR1242ICC1000	AR1242ICC1000	03/18/2025	16:11	PO109979.D	8.70	3.69
AR1242ICC750	AR1242ICC750	03/18/2025	16:30	PO109980.D	8.70	3.69
AR1242ICC500	AR1242ICC500	03/18/2025	16:48	PO109981.D	8.70	3.69
AR1242ICC250	AR1242ICC250	03/18/2025	17:06	PO109982.D	8.70	3.69
AR1242ICC050	AR1242ICC050	03/18/2025	17:25	PO109983.D	8.70	3.69
AR1248ICC1000	AR1248ICC1000	03/18/2025	17:42	PO109984.D	8.70	3.69
AR1248ICC750	AR1248ICC750	03/18/2025	18:00	PO109985.D	8.70	3.69
AR1248ICC500	AR1248ICC500	03/18/2025	18:19	PO109986.D	8.70	3.69
AR1248ICC250	AR1248ICC250	03/18/2025	18:37	PO109987.D	8.70	3.69
AR1248ICC050	AR1248ICC050	03/18/2025	18:54	PO109988.D	8.70	3.69
AR1254ICC1000	AR1254ICC1000	03/18/2025	19:13	PO109989.D	8.69	3.69
AR1254ICC750	AR1254ICC750	03/18/2025	19:31	PO109990.D	8.70	3.69
AR1254ICC500	AR1254ICC500	03/18/2025	19:49	PO109991.D	8.70	3.69
AR1254ICC250	AR1254ICC250	03/18/2025	20:07	PO109992.D	8.70	3.69
AR1254ICC050	AR1254ICC050	03/18/2025	20:25	PO109993.D	8.69	3.69
AR1262ICC500	AR1262ICC500	03/18/2025	20:43	PO109994.D	8.70	3.69
AR1268ICC1000	AR1268ICC1000	03/18/2025	21:02	PO109995.D	8.70	3.69
AR1268ICC750	AR1268ICC750	03/18/2025	21:20	PO109996.D	8.70	3.69
AR1268ICC500	AR1268ICC500	03/18/2025	21:39	PO109997.D	8.69	3.69
AR1268ICC250	AR1268ICC250	03/18/2025	21:57	PO109998.D	8.70	3.69
AR1268ICC050	AR1268ICC050	03/18/2025	22:15	PO109999.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/31/2025	16:29	PO110118.D	8.70	3.69
I.BLK	I.BLK	03/31/2025	17:41	PO110122.D	8.69	3.69
PB167394BL	PB167394BL	03/31/2025	17:59	PO110123.D	8.70	3.69
PB167394BS	PB167394BS	03/31/2025	18:18	PO110124.D	8.70	3.69
PB167394TB	PB167394TB	03/31/2025	18:36	PO110125.D	8.70	3.69
P001-BBDGA-001-01	Q1664-04	03/31/2025	18:54	PO110126.D	8.70	3.69
P001-BBDGA-001-01MS	Q1664-05MS	03/31/2025	19:13	PO110127.D	8.70	3.69
P001-BBDGA-001-01MSD	Q1664-06MSD	03/31/2025	19:31	PO110128.D	8.70	3.69
P001-BBDGA-001-02	Q1664-08	03/31/2025	19:48	PO110129.D	8.69	3.69
P001-BBDGA-002-01	Q1664-10	03/31/2025	20:07	PO110130.D	8.71	3.71
P001-BBDGA-003-01	Q1664-12	03/31/2025	20:25	PO110131.D	8.70	3.69
P001-BBDGA-004-01	Q1664-14	03/31/2025	20:44	PO110132.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/31/2025	21:45	PO110133.D	8.70	3.69

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Analytical Sequence

I.BLK	I.BLK	03/31/2025	23:35	PO110137.D	8.70	3.69
AR1660CCC500	AR1660CCC500	04/01/2025	08:58	PO110139.D	8.69	3.69
I,BLK	I,BLK	04/01/2025	10:12	PO110143.D	8.69	3.69
P001-BBDGA-006-01	Q1664-18	04/01/2025	10:48	PO110145.D	8.69	3.69
P001-BBDGA-008-01	Q1664-22	04/01/2025	11:07	PO110146.D	8.69	3.69
AR1660CCC500	AR1660CCC500	04/01/2025	13:47	PO110147.D	8.69	3.69
I,BLK	I,BLK	04/01/2025	15:01	PO110151.D	8.69	3.69
I.BLK	I.BLK	03/27/2025	10:14	PP070916.D	8.86	3.82
AR1660ICC1000	AR1660ICC1000	03/27/2025	10:30	PP070917.D	8.86	3.82
AR1660ICC750	AR1660ICC750	03/27/2025	10:47	PP070918.D	8.86	3.82
AR1660ICC500	AR1660ICC500	03/27/2025	11:03	PP070919.D	8.86	3.82
AR1660ICC250	AR1660ICC250	03/27/2025	11:19	PP070920.D	8.86	3.82
AR1660ICC050	AR1660ICC050	03/27/2025	11:35	PP070921.D	8.86	3.82
AR1221ICC500	AR1221ICC500	03/27/2025	11:52	PP070922.D	8.86	3.82
AR1232ICC500	AR1232ICC500	03/27/2025	12:11	PP070923.D	8.86	3.82
AR1242ICC1000	AR1242ICC1000	03/27/2025	12:28	PP070924.D	8.86	3.82
AR1242ICC750	AR1242ICC750	03/27/2025	12:44	PP070925.D	8.86	3.82
AR1242ICC500	AR1242ICC500	03/27/2025	13:00	PP070926.D	8.86	3.82
AR1242ICC250	AR1242ICC250	03/27/2025	13:16	PP070927.D	8.86	3.82
AR1242ICC050	AR1242ICC050	03/27/2025	13:33	PP070928.D	8.86	3.82
AR1248ICC1000	AR1248ICC1000	03/27/2025	13:49	PP070929.D	8.86	3.82
AR1248ICC750	AR1248ICC750	03/27/2025	14:05	PP070930.D	8.86	3.82
AR1248ICC500	AR1248ICC500	03/27/2025	14:22	PP070931.D	8.86	3.82
AR1248ICC250	AR1248ICC250	03/27/2025	14:38	PP070932.D	8.86	3.82
AR1248ICC050	AR1248ICC050	03/27/2025	14:55	PP070933.D	8.86	3.82
AR1254ICC1000	AR1254ICC1000	03/27/2025	15:11	PP070934.D	8.86	3.82
AR1254ICC750	AR1254ICC750	03/27/2025	15:27	PP070935.D	8.86	3.82
AR1254ICC500	AR1254ICC500	03/27/2025	15:43	PP070936.D	8.86	3.82
AR1254ICC250	AR1254ICC250	03/27/2025	16:00	PP070937.D	8.86	3.82
AR1254ICC050	AR1254ICC050	03/27/2025	16:16	PP070938.D	8.86	3.82
AR1262ICC500	AR1262ICC500	03/27/2025	16:32	PP070939.D	8.86	3.82
AR1268ICC1000	AR1268ICC1000	03/27/2025	16:48	PP070940.D	8.86	3.82
AR1268ICC750	AR1268ICC750	03/27/2025	17:05	PP070941.D	8.86	3.82
AR1268ICC500	AR1268ICC500	03/27/2025	17:21	PP070942.D	8.86	3.82
AR1268ICC250	AR1268ICC250	03/27/2025	17:37	PP070943.D	8.86	3.82
AR1268ICC050	AR1268ICC050	03/27/2025	17:53	PP070944.D	8.86	3.82
AR1660CCC500	AR1660CCC500	03/31/2025	12:03	PP071018.D	8.86	3.82
I.BLK	I.BLK	03/31/2025	13:09	PP071022.D	8.86	3.82
P001-BBDGA-005-01	Q1664-16	03/31/2025	17:02	PP071023.D	8.86	3.82
P001-BBDGA-007-01	Q1664-20	03/31/2025	17:35	PP071025.D	8.86	3.82
AR1660CCC500	AR1660CCC500	03/31/2025	19:02	PP071027.D	8.86	3.82
I.BLK	I.BLK	03/31/2025	20:39	PP071031.D	8.86	3.82

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167394BS

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: PB167394BS Date(s) Analyzed: 03/31/2025 03/31/2025

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 PO110124.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.785	4.735	4.835	4.20		
	2	4.804	4.754	4.854	4.18		
	3	4.86	4.81	4.91	4.21		
COLUMN 1	4	4.981	4.931	5.031	4.20		
	5	5.238	5.188	5.288	4.04	4.20	
	1	4.771	4.721	4.821	4.10		
	2	4.79	4.74	4.84	4.07		
	3	4.965	4.915	5.015	4.09		
	4	5.007	4.957	5.057	4.06		
COLUMN 2	5	5.22	5.17	5.27	3.97	4.10	2.41
Aroclor-1260	1	6.28	6.23	6.33	4.44		
	2	6.468	6.418	6.518	4.24		
	3	6.837	6.787	6.887	3.74		
COLUMN 1	4	7.097	7.047	7.147	4.03		
	5	7.339	7.289	7.389	3.83	4.10	
	1	6.253	6.203	6.303	4.22		
	2	6.44	6.39	6.49	4.14		
	3	6.593	6.543	6.643	4.04		
	4	7.065	7.015	7.115	3.71		
COLUMN 2	5	7.306	7.256	7.356	3.50	3.90	5

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-BBDGA-001-01MS

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: Q1664-05MS Date(s) Analyzed: 03/31/2025 03/31/2025

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 PO110127.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.785	4.735	4.835	5.38		
	2	4.804	4.754	4.854	5.43		
	3	4.861	4.811	4.911	5.30		
COLUMN 1	4	4.981	4.931	5.031	5.36		
	5	5.238	5.188	5.288	5.17	5.30	
	1	4.771	4.721	4.821	5.22		
	2	4.791	4.741	4.841	5.24		
	3	4.966	4.916	5.016	5.17		
	4	5.008	4.958	5.058	4.98		
COLUMN 2	5	5.221	5.171	5.271	5.05	5.10	3.85
Aroclor-1260	1	6.28	6.23	6.33	5.76		
	2	6.468	6.418	6.518	5.53		
	3	6.837	6.787	6.887	4.85		
COLUMN 1	4	7.097	7.047	7.147	5.15		
	5	7.339	7.289	7.389	4.94	5.20	
	1	6.254	6.204	6.304	5.39		
	2	6.441	6.391	6.491	5.28		
	3	6.594	6.544	6.644	5.17		
	4	7.066	7.016	7.116	4.69		
COLUMN 2	5	7.306	7.256	7.356	4.46	5.00	3.92

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-BBDGA-001-01MS

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: Q1664-06MSD Date(s) Analyzed: 03/31/2025 03/31/2025

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 PO110128.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.785	4.735	4.835	5.21		
	2	4.804	4.754	4.854	5.25		
	3	4.861	4.811	4.911	5.13		
COLUMN 1	4	4.981	4.931	5.031	5.18		
	5	5.239	5.189	5.289	4.91	5.10	
	1	4.772	4.722	4.822	5.12		
	2	4.791	4.741	4.841	5.14		
	3	4.967	4.917	5.017	5.06		
	4	5.009	4.959	5.059	4.89		
COLUMN 2	5	5.222	5.172	5.272	4.86	5.00	1.98
Aroclor-1260	1	6.28	6.23	6.33	5.91		
	2	6.469	6.419	6.519	5.48		
	3	6.837	6.787	6.887	4.46		
COLUMN 1	4	7.097	7.047	7.147	5.05		
	5	7.339	7.289	7.389	4.95	5.20	
	1	6.254	6.204	6.304	5.35		
	2	6.441	6.391	6.491	5.15		
	3	6.595	6.545	6.645	5.09		
	4	7.067	7.017	7.117	4.60		
COLUMN 2	5	7.307	7.257	7.357	4.45	4.90	5.94

QC SAMPLE DATA

Raw Data: **PO110123.D**

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 905	Date Received:	
Client Sample ID:	PB167394BL	SDG No.:	Q1664
Lab Sample ID:	PB167394BL	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
PO110123.D	1	03/31/25 11:35	03/31/25 17:59	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		16 - 158	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		10 - 173	96%	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)

Sample Results: **PO110123.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:59
Operator : YP/AJ
Sample : PB167394BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167394BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:54:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	176.4E6	98994198	19.384	18.877
2)	SA Decachlor...	8.743	8.695	147.1E6	41878026	19.126	17.261
	Target Compounds						

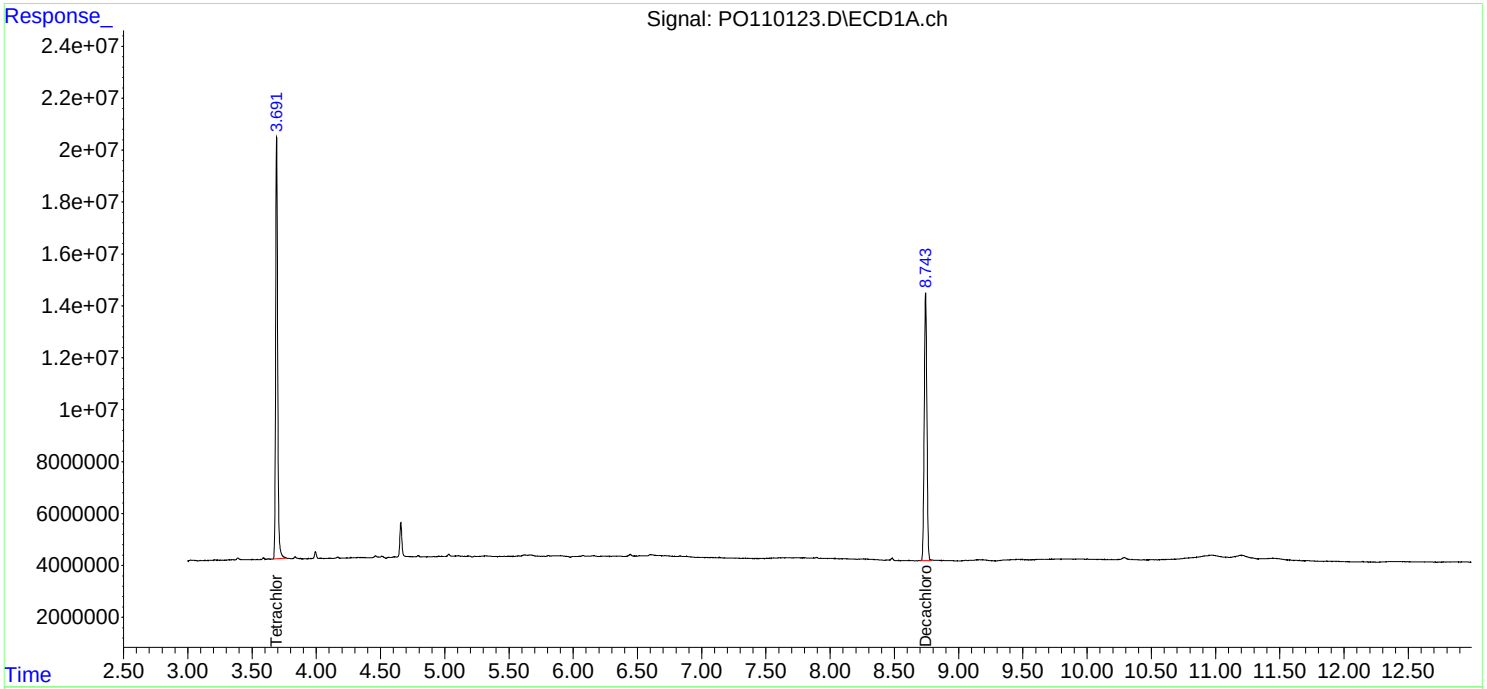
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

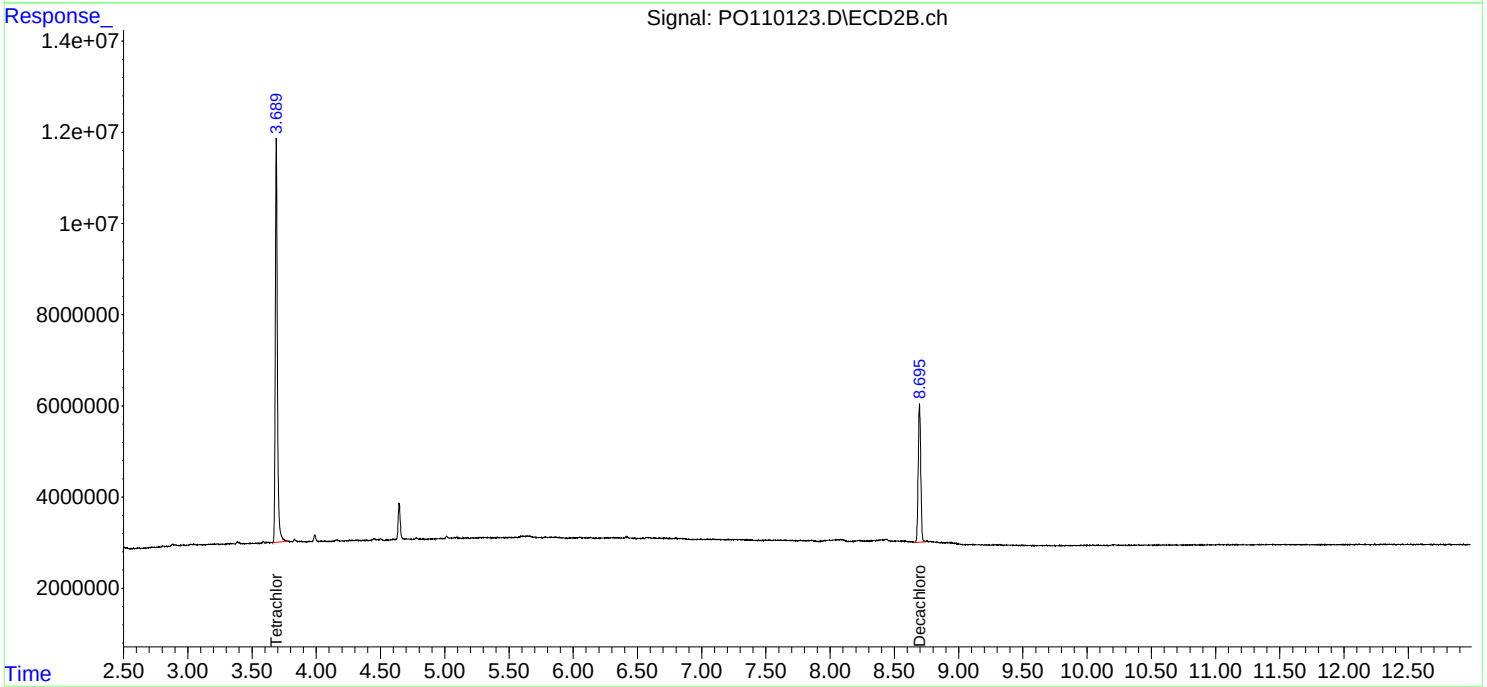
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:59
Operator : YP/AJ
Sample : PB167394BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

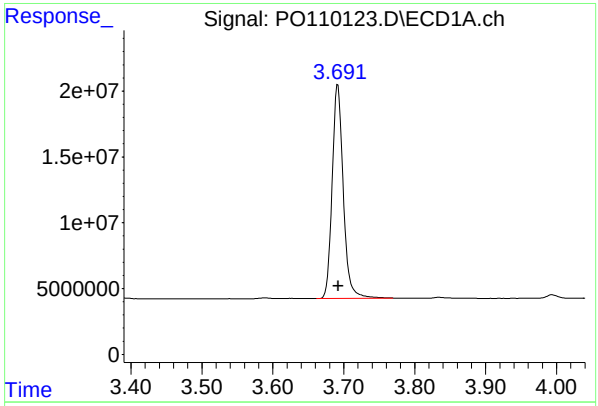
Instrument :
ECD_O
ClientSampleId :
PB167394BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:54:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



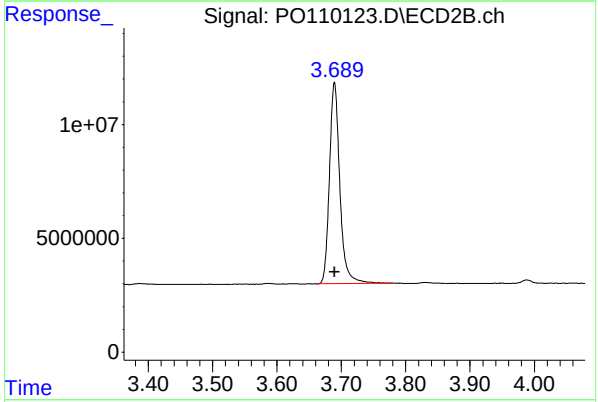




#1 Tetrachloro-m-xylene

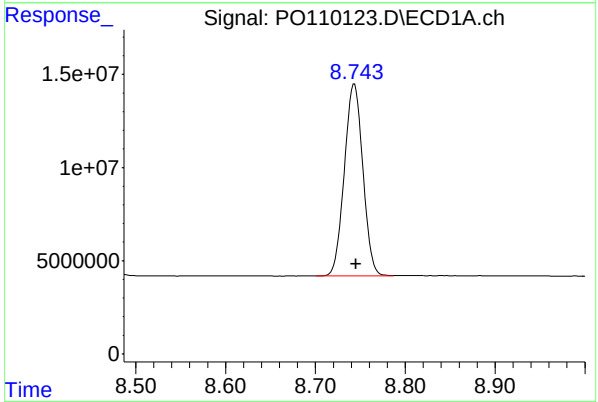
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 176425124
Conc: 19.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BL



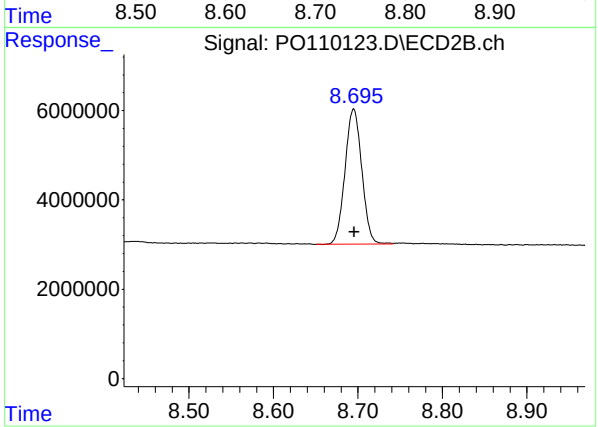
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 98994198
Conc: 18.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.002 min
Response: 147056658
Conc: 19.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 41878026
Conc: 17.26 ng/ml

Raw Data: **PO109971.D**

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:	03/18/25
Project:	RFP 905	Date Received:	03/18/25
Client Sample ID:	PIBLK-PO109971.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PO109971.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
PO109971.D	1		03/18/25	PO031925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		60 - 140	100%	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\PO031925\
Data File : PO109971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 13:44
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: Mar 19 03:44:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	168.3E6	97603621	18.495	18.612
2)	SA Decachlor...	8.744	8.695	153.9E6	51783076	20.014	21.344
	Target Compounds						

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

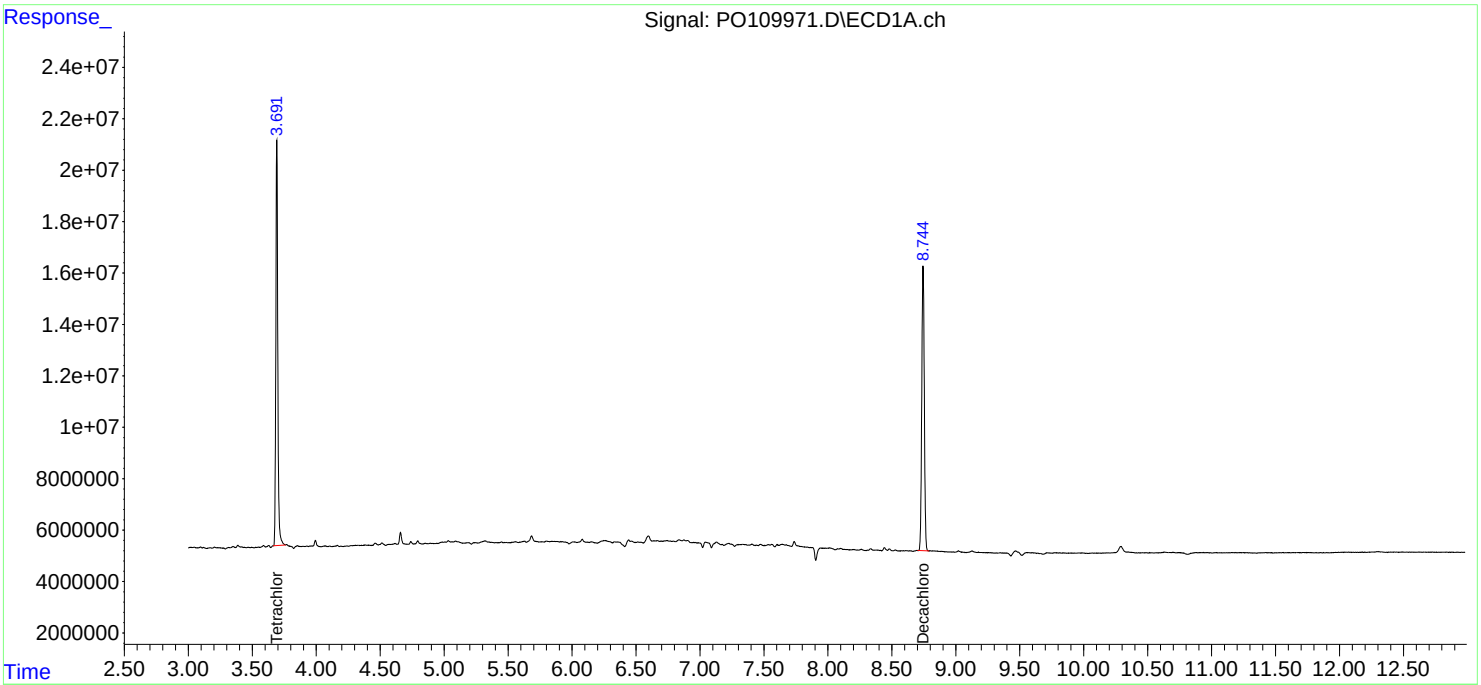
Sample Results: **PO109971.D**

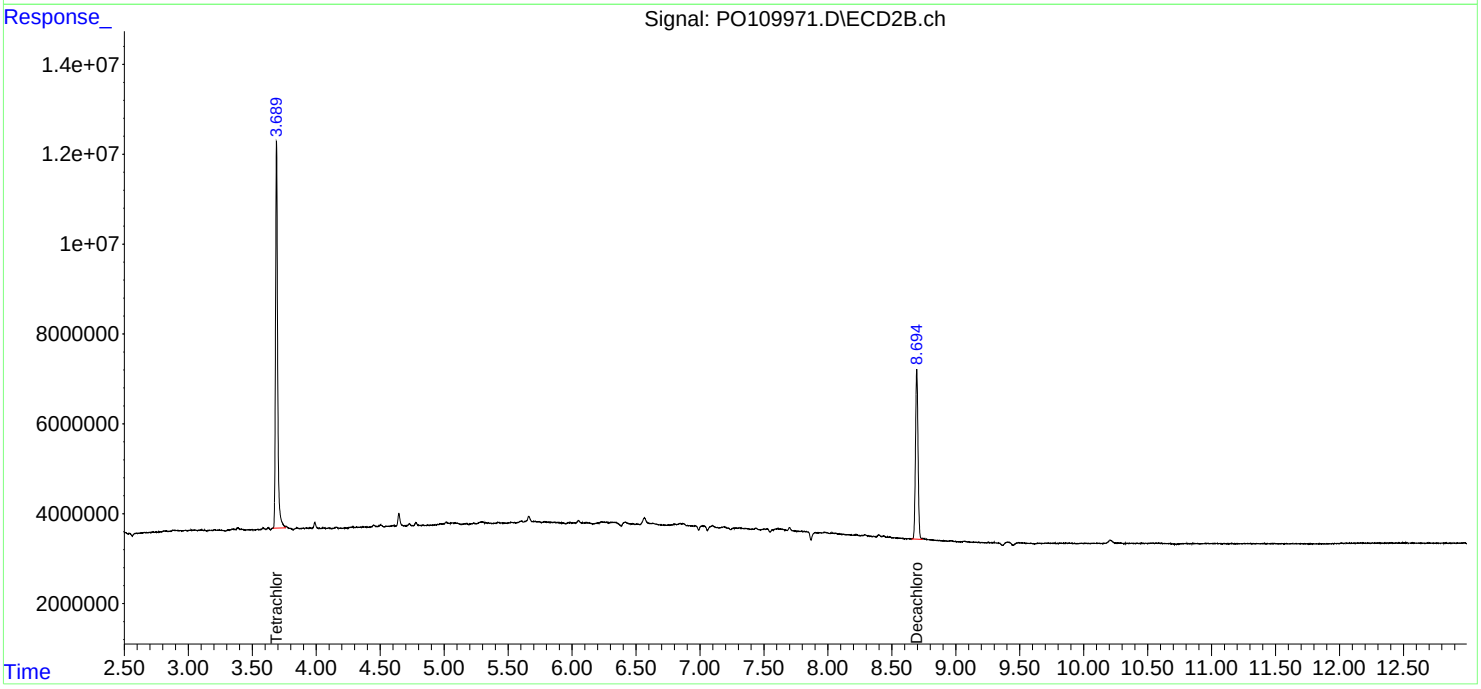
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 13:44
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

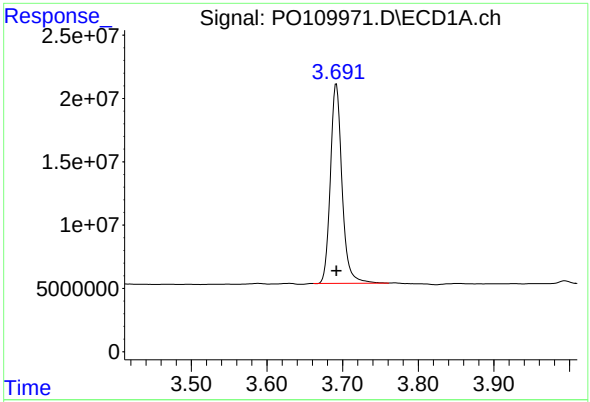
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 03:44:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



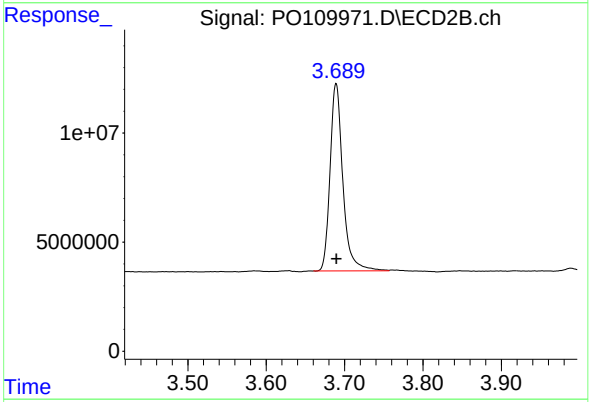




#1 Tetrachloro-m-xylene

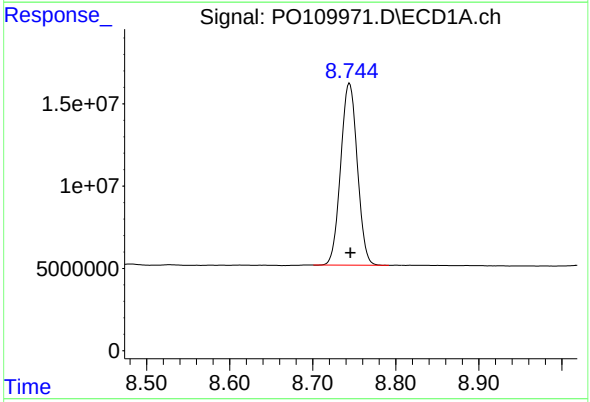
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 168336707
Conc: 18.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



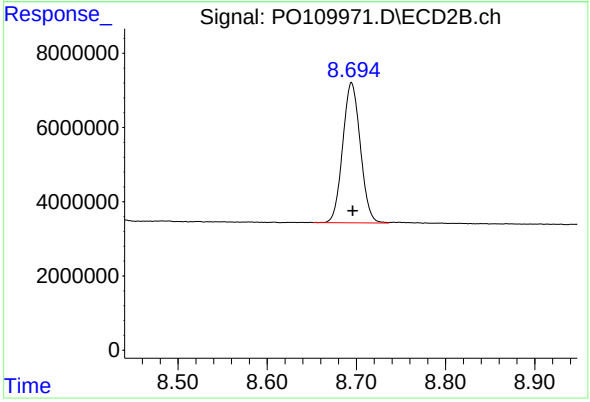
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 97603621
Conc: 18.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 153882781
Conc: 20.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.001 min
Response: 51783076
Conc: 21.34 ng/ml

Raw Data: **PO110122.D**

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:	03/31/25
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PIBLK-PO110122.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PO110122.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
PO110122.D	1		03/31/25	PO033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	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

Quantitation Report (QT Reviewed)

Sample Results: **PO110122.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:41
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: Mar 31 18:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.689	183.8E6	104.1E6	20.196	19.855
2)	SA Decachlor...	8.742	8.694	154.5E6	45004998	20.096	18.550
	Target Compounds						

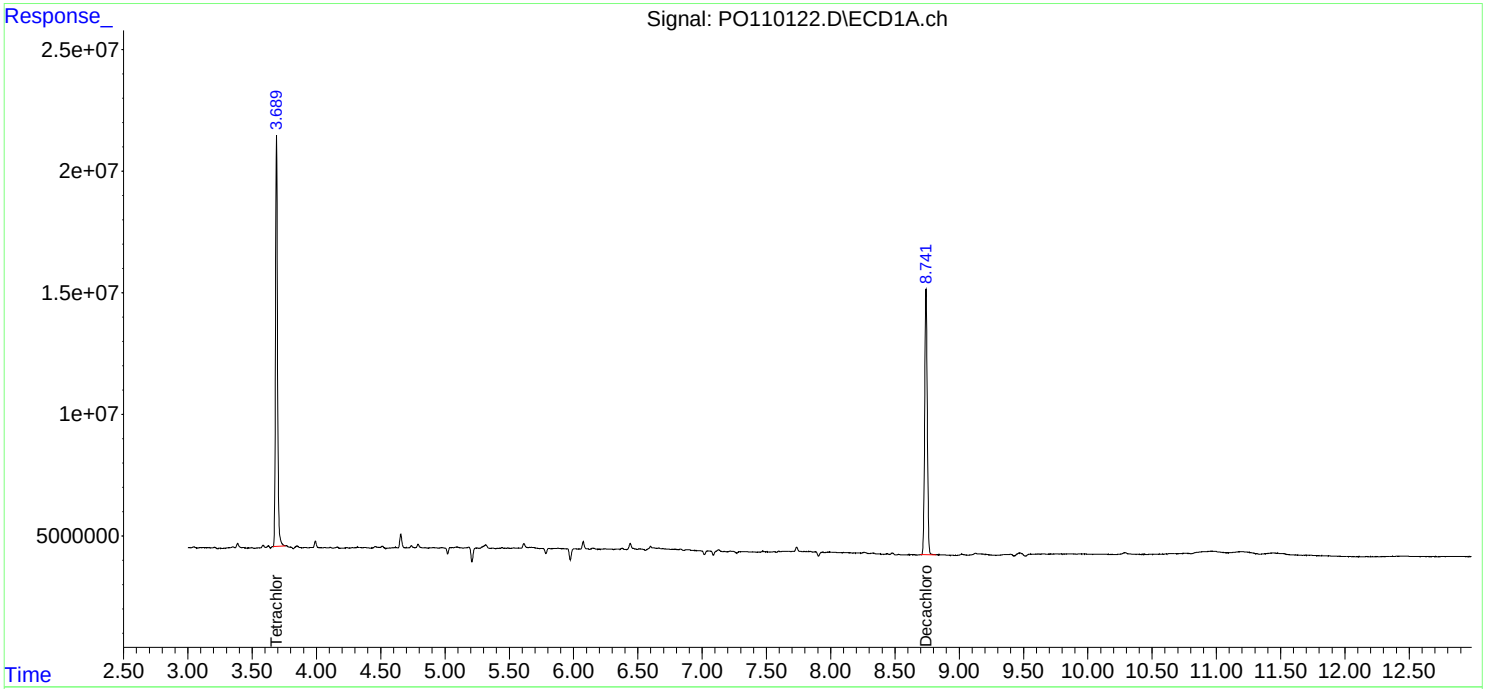
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

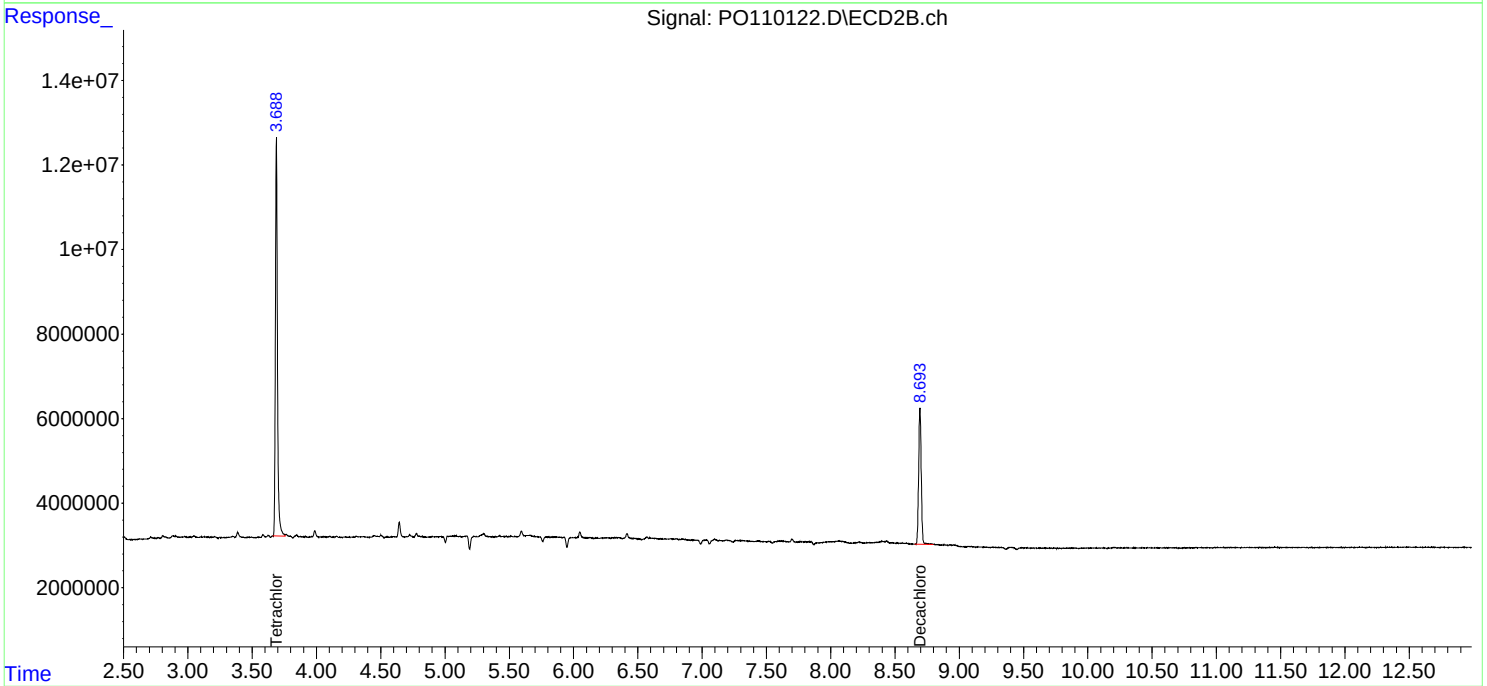
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:41
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

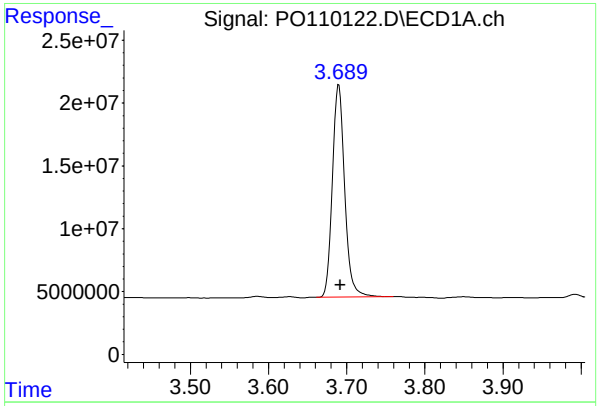
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 18:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



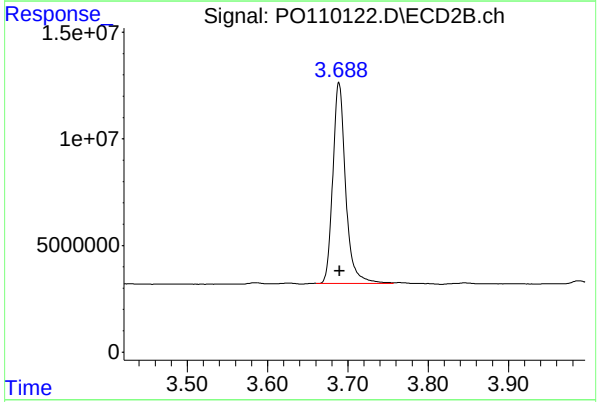




#1 Tetrachloro-m-xylene

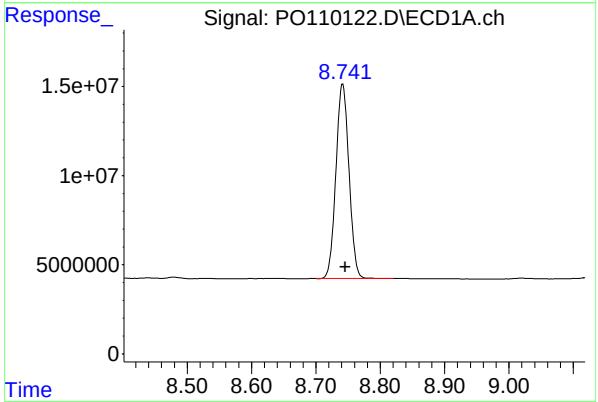
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 183818280
Conc: 20.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



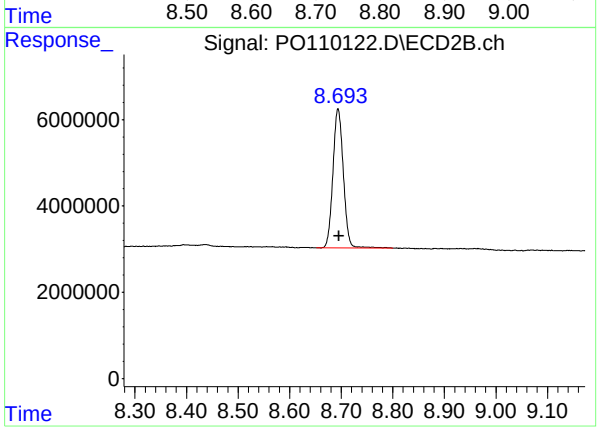
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 104121132
Conc: 19.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.004 min
Response: 154511915
Conc: 20.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 45004998
Conc: 18.55 ng/ml

Raw Data: **PO110137.D**

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:	03/31/25
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PIBLK-PO110137.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PO110137.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
PO110137.D	1		03/31/25	PO033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		60 - 140	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 23:35
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: Apr 01 02:59:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	184.7E6	105.7E6	20.294	20.162
2)	SA Decachlor...	8.744	8.696	168.0E6	46876418	21.846	19.322
	Target Compounds						

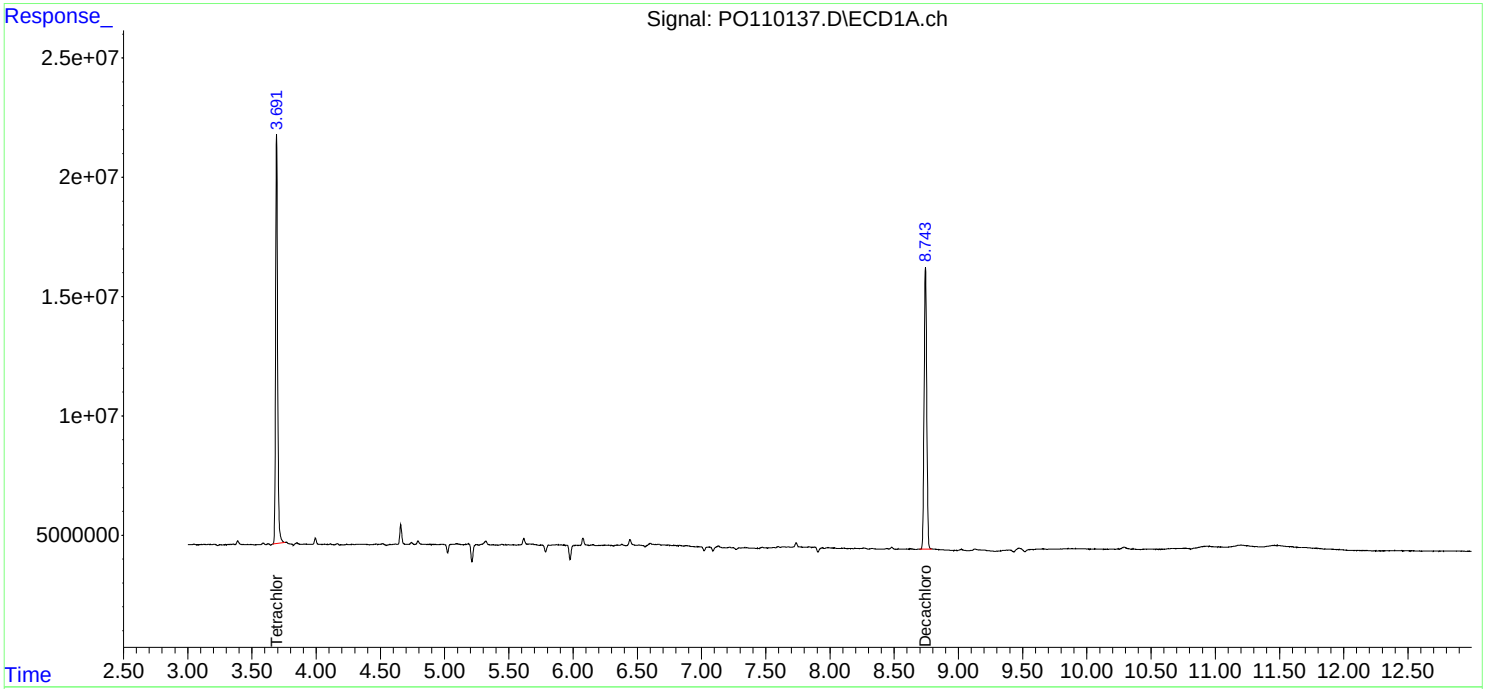
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

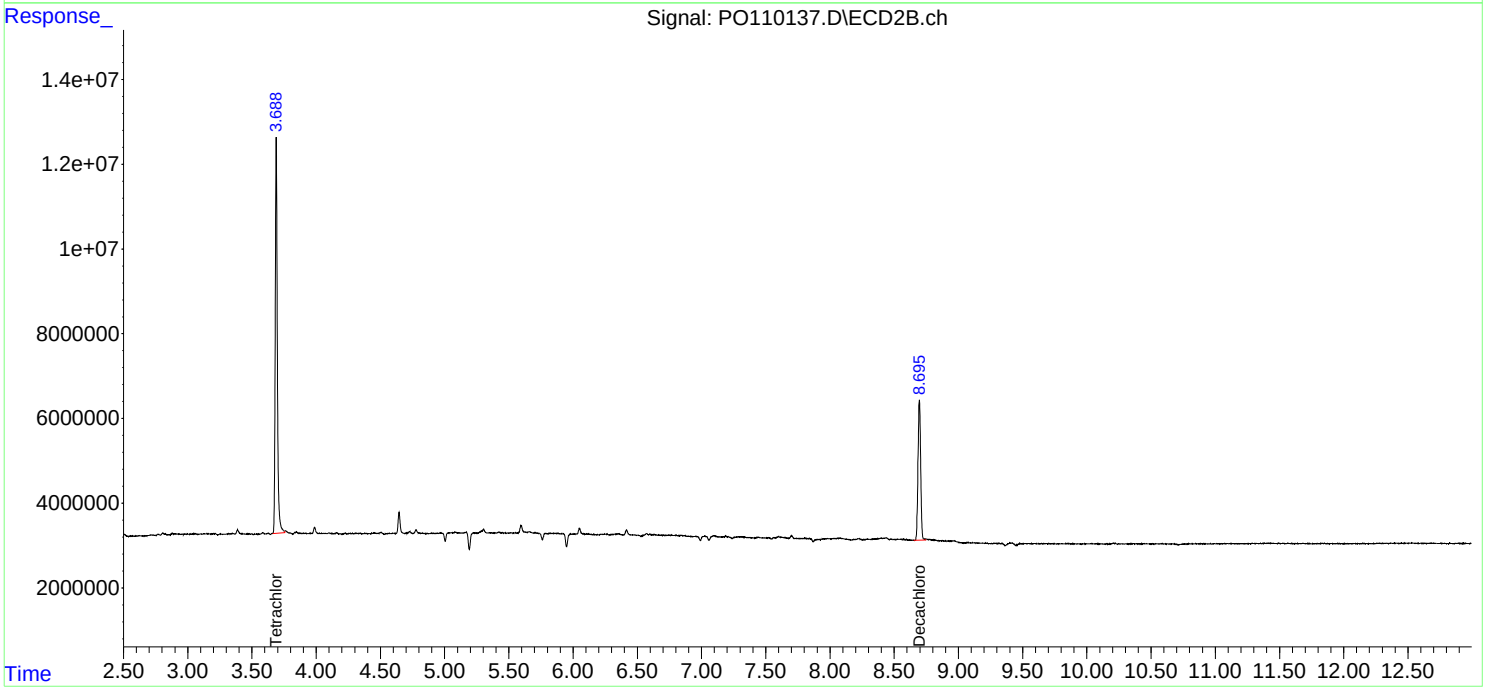
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 23:35
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

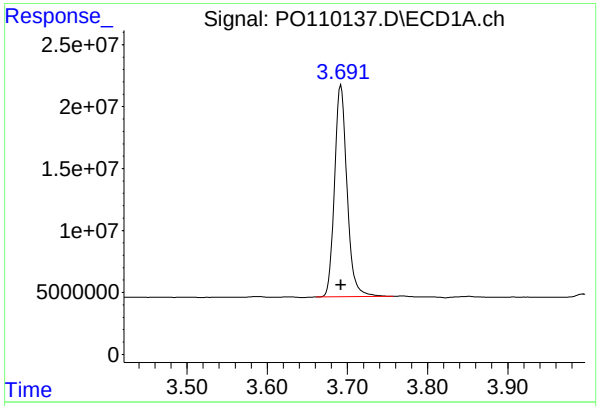
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:59:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



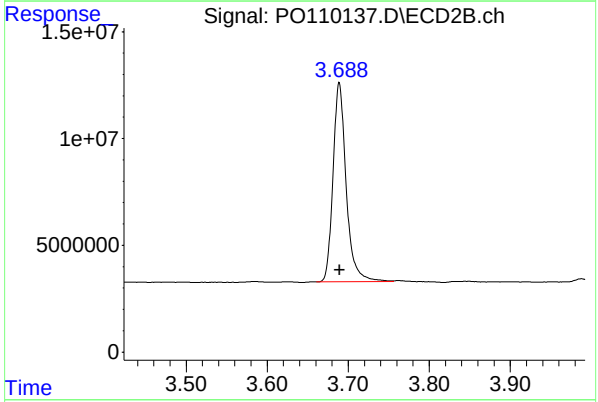




#1 Tetrachloro-m-xylene

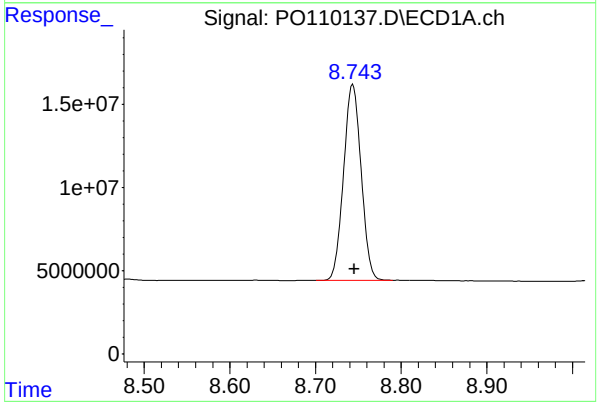
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 184701575
Conc: 20.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



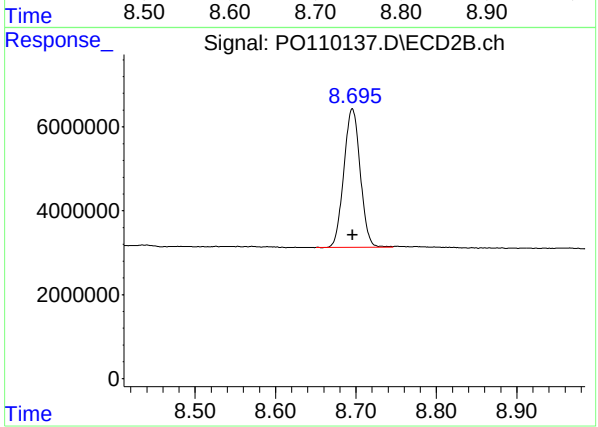
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 105729320
Conc: 20.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.002 min
Response: 167969291
Conc: 21.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 46876418
Conc: 19.32 ng/ml

Raw Data: **PO110143.D**

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:	04/01/25
Project:	RFP 905	Date Received:	04/01/25
Client Sample ID:	PIBLK-PO110143.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PO110143.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
PO110143.D	1		04/01/25	PO040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.6		60 - 140	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	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)

Sample Results: **PO110143.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 10:12
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: Apr 01 10:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.688	166.7E6	92560166	18.317	17.650
2)	SA Decachlor...	8.741	8.692	154.7E6	41702766	20.116	17.189
	Target Compounds						

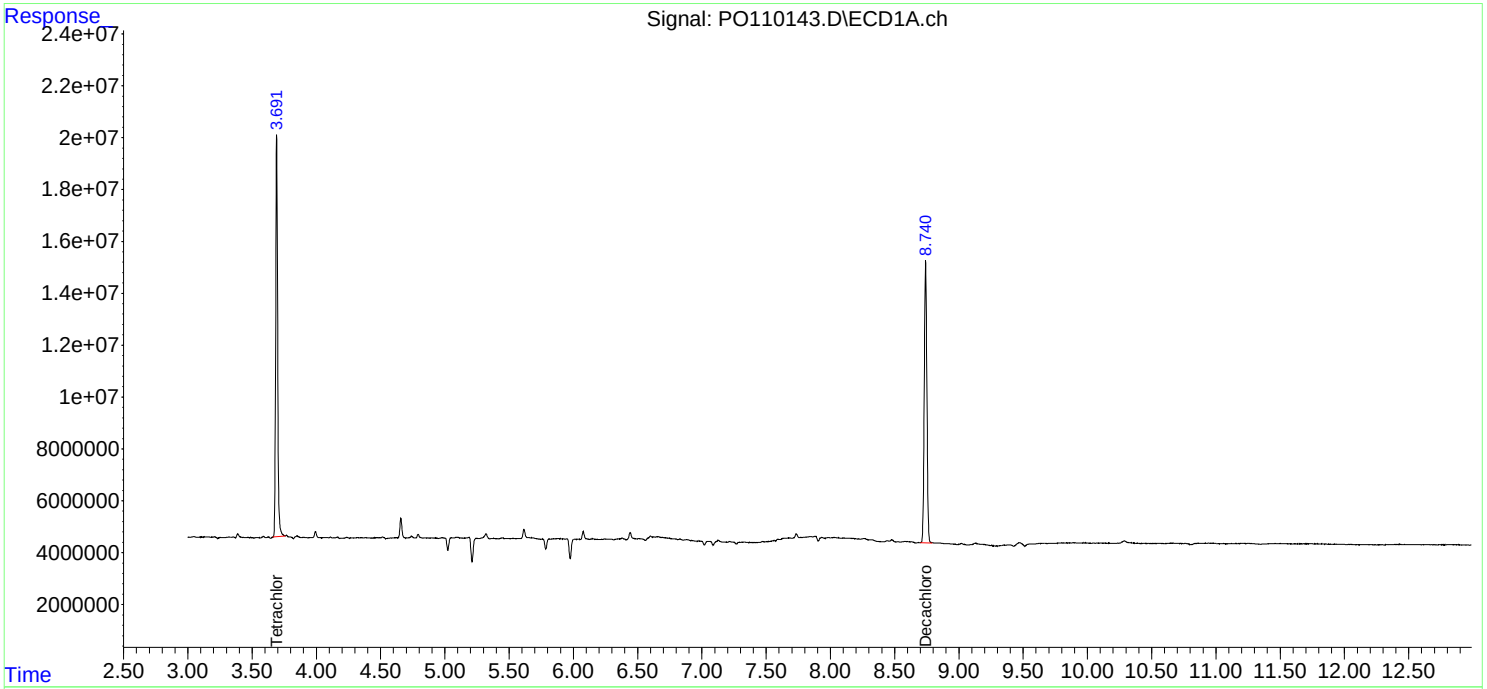
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

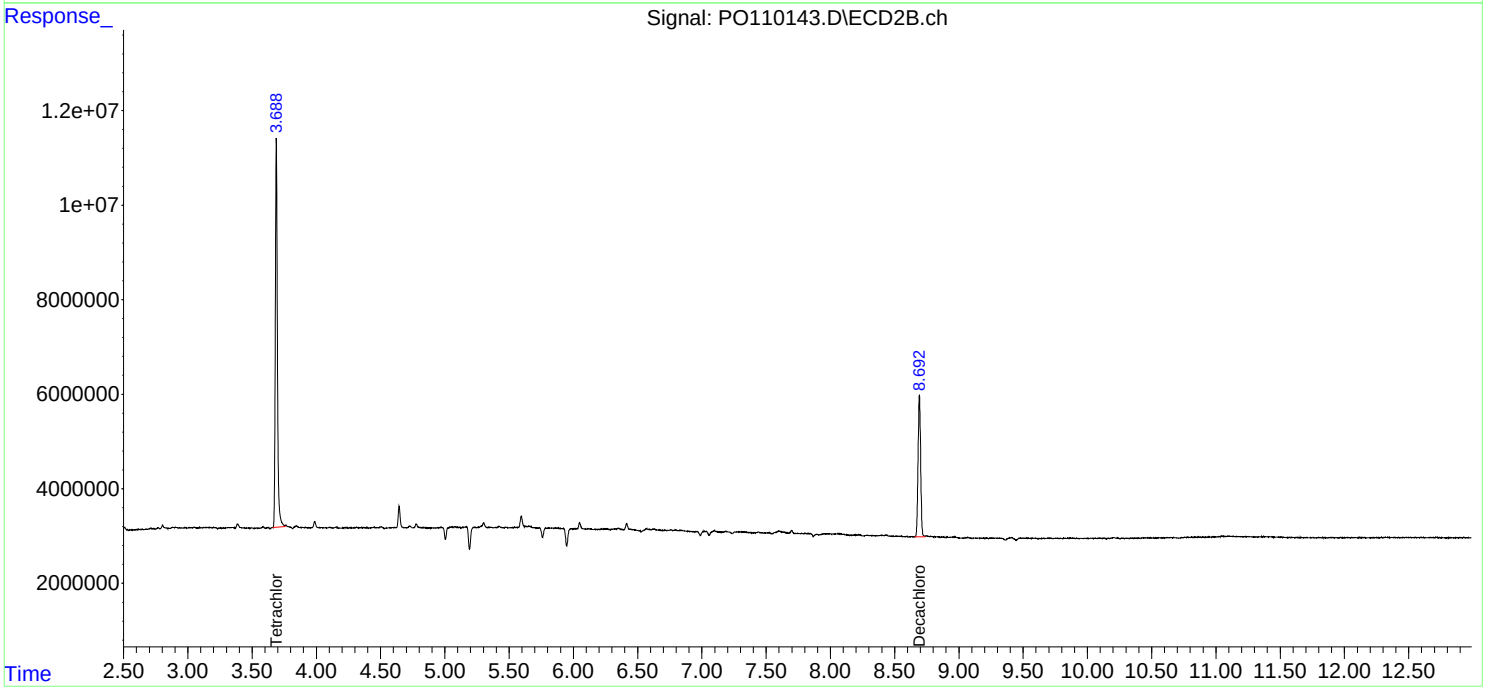
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 10:12
Operator : YP/AJ
Sample : I,BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

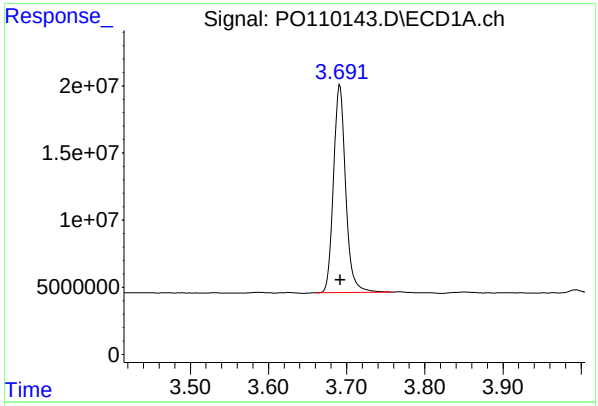
Instrument :
ECD_O
ClientSampleId :
I,BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 10:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



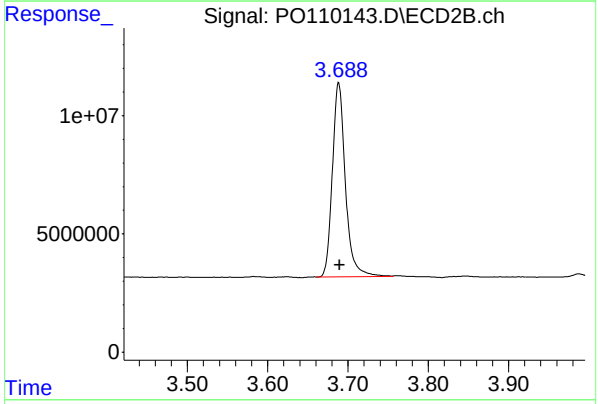




#1 Tetrachloro-m-xylene

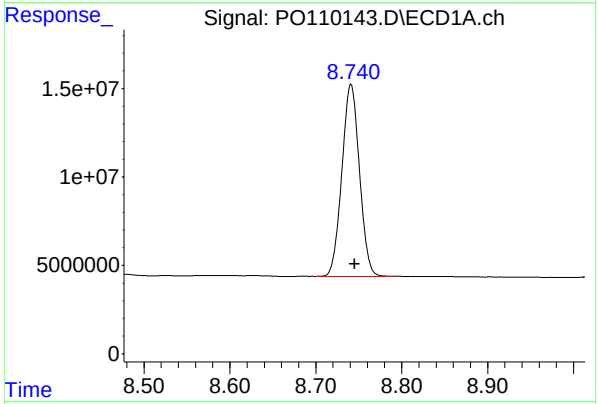
R.T.: 3.691 min
Delta R.T.: 0.000 mi
Response: 166713111
Conc: 18.32 ng/m

Instrument :
ECD_O
ClientSampleId :
l,BLK



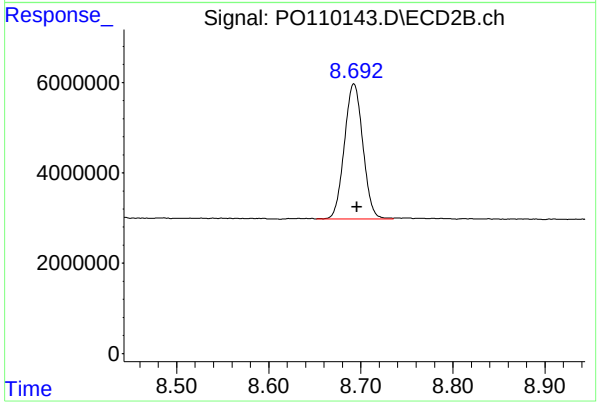
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.001 min
Response: 92560166
Conc: 17.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.004 min
Response: 154667095
Conc: 20.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.003 min
Response: 41702766
Conc: 17.19 ng/ml

Raw Data: **PO110151.D**

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:	04/01/25
Project:	RFP 905	Date Received:	04/01/25
Client Sample ID:	PIBLK-PO110151.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PO110151.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
PO110151.D	1		04/01/25	PO040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.6		60 - 140	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140	87%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110151.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 15:01
Operator : YP/AJ
Sample : I,BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I,BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 15:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.690	3.688	165.1E6	92514679	18.144	17.642
2)	SA Decachlor...	8.740	8.691	155.1E6	42317484	20.175	17.443
	Target Compounds						

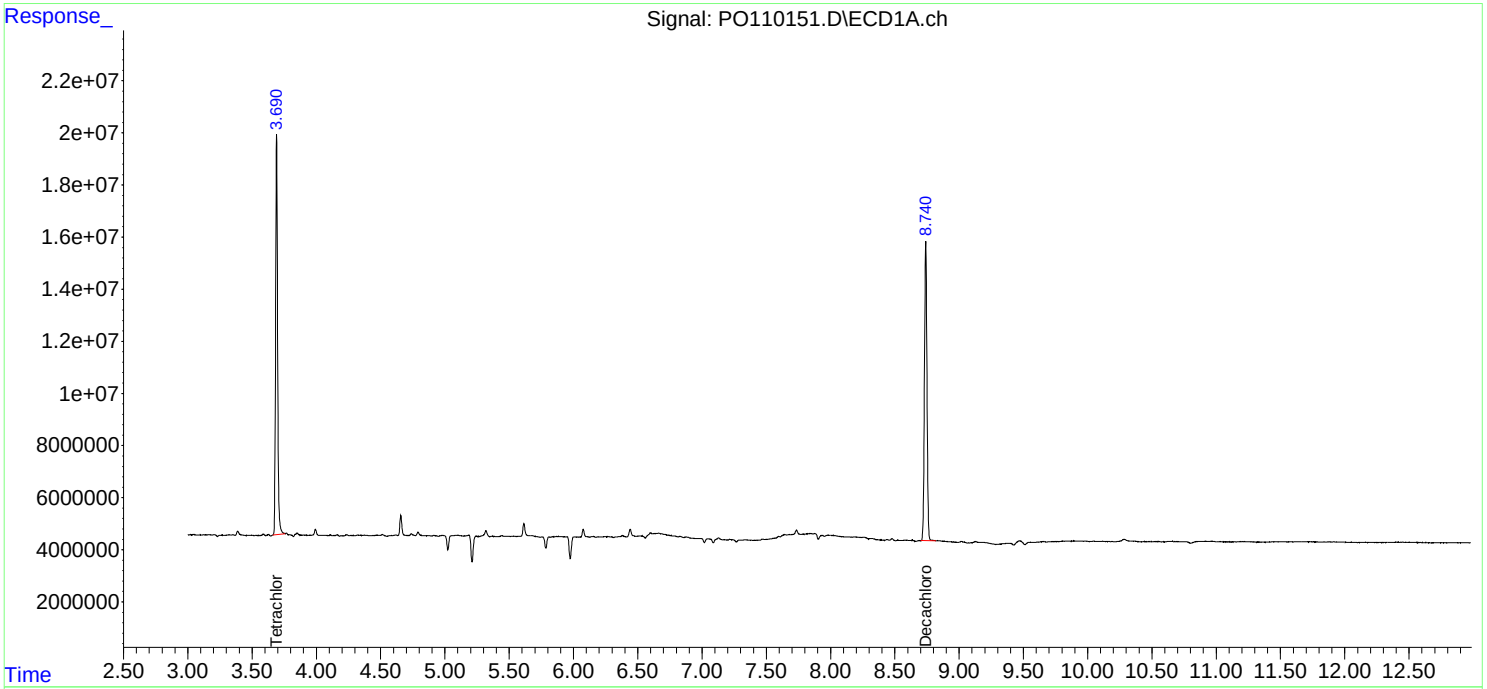
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

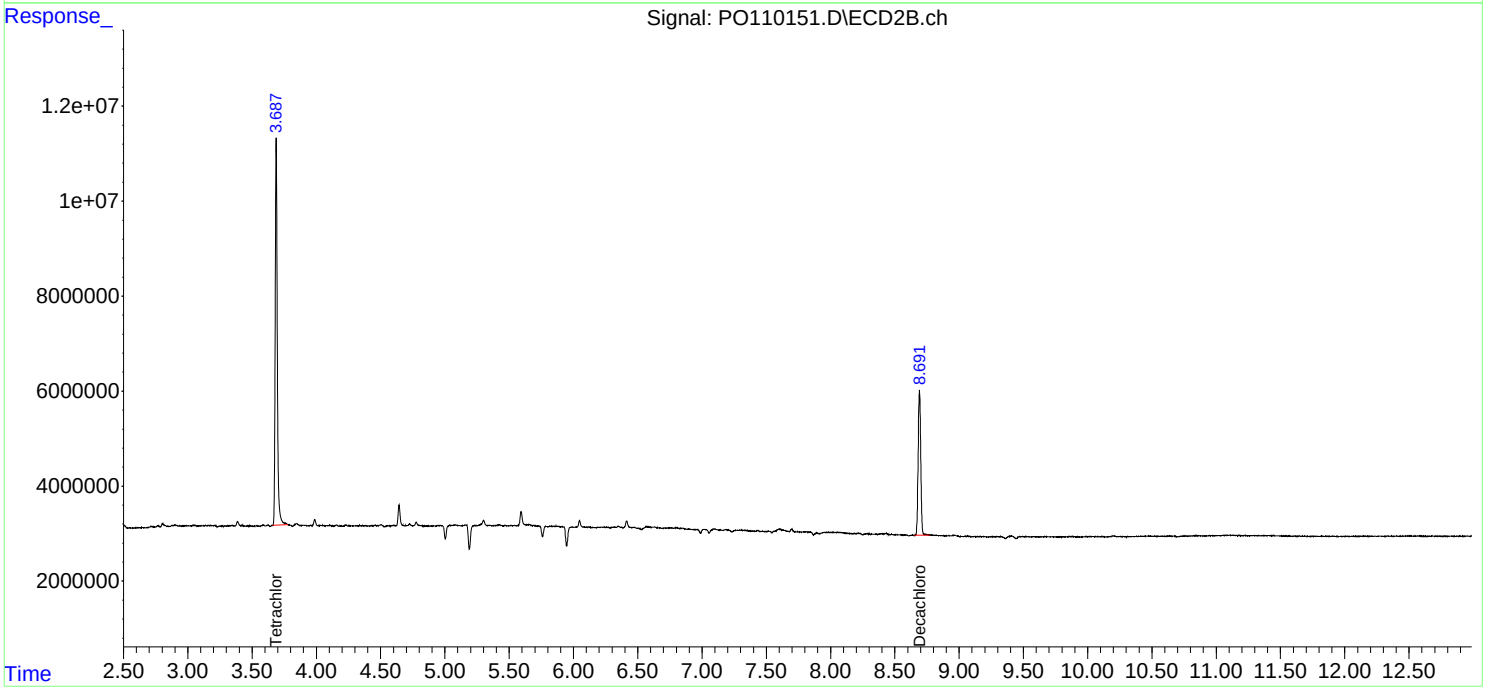
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040125\
Data File : PO110151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Apr 2025 15:01
Operator : YP/AJ
Sample : I,BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

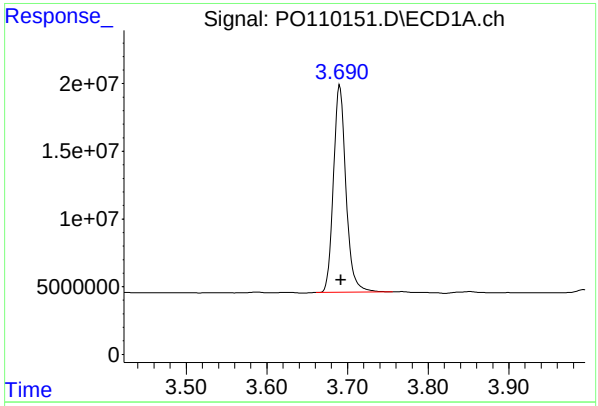
Instrument :
ECD_O
ClientSampleId :
I,BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 15:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



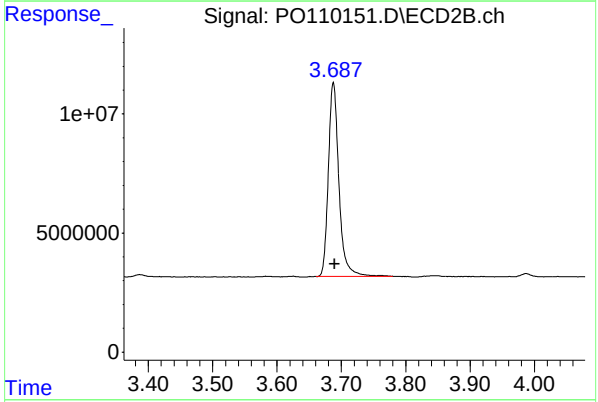




#1 Tetrachloro-m-xylene

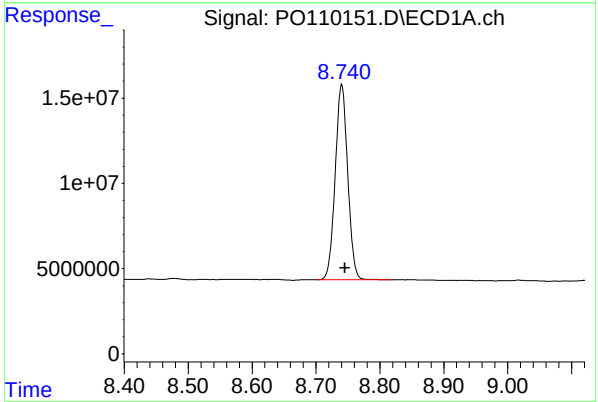
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 165137816
Conc: 18.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
I,BLK



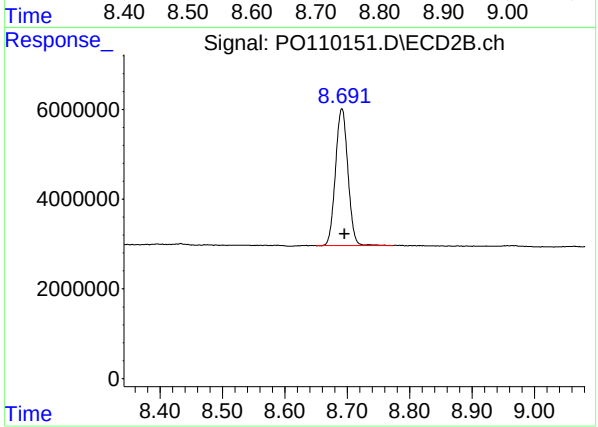
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 92514679
Conc: 17.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 155119936
Conc: 20.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 42317484
Conc: 17.44 ng/ml

Raw Data: **PP070916.D**

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:	03/27/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	PIBLK-PP070916.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PP070916.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
PP070916.D	1		03/27/25	PP032725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140	91%	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)

Sample Results: **PP070916.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:14
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: Mar 28 06:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.816	27521844	18794888	18.830	18.131
2)	SA Decachlor...	10.229	8.858	20399611	18404317	19.380	23.350
	Target Compounds						

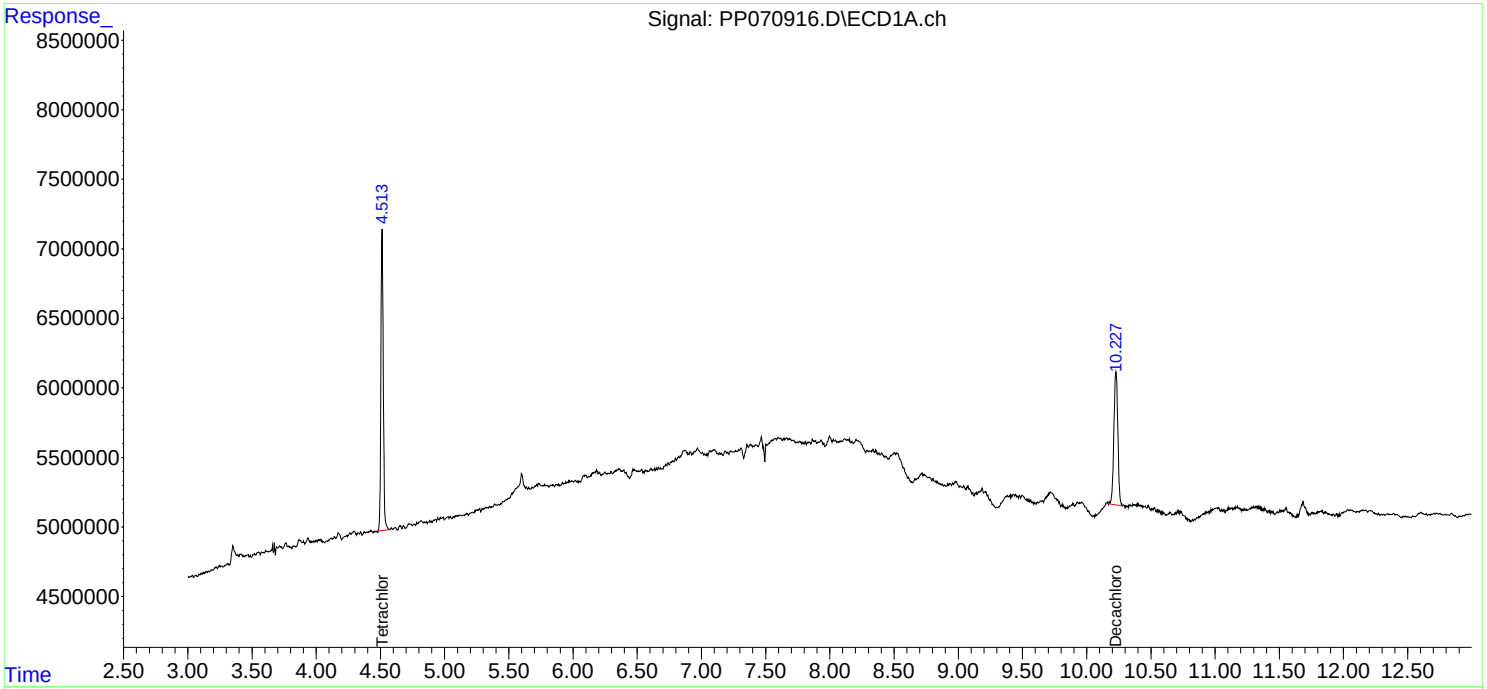
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

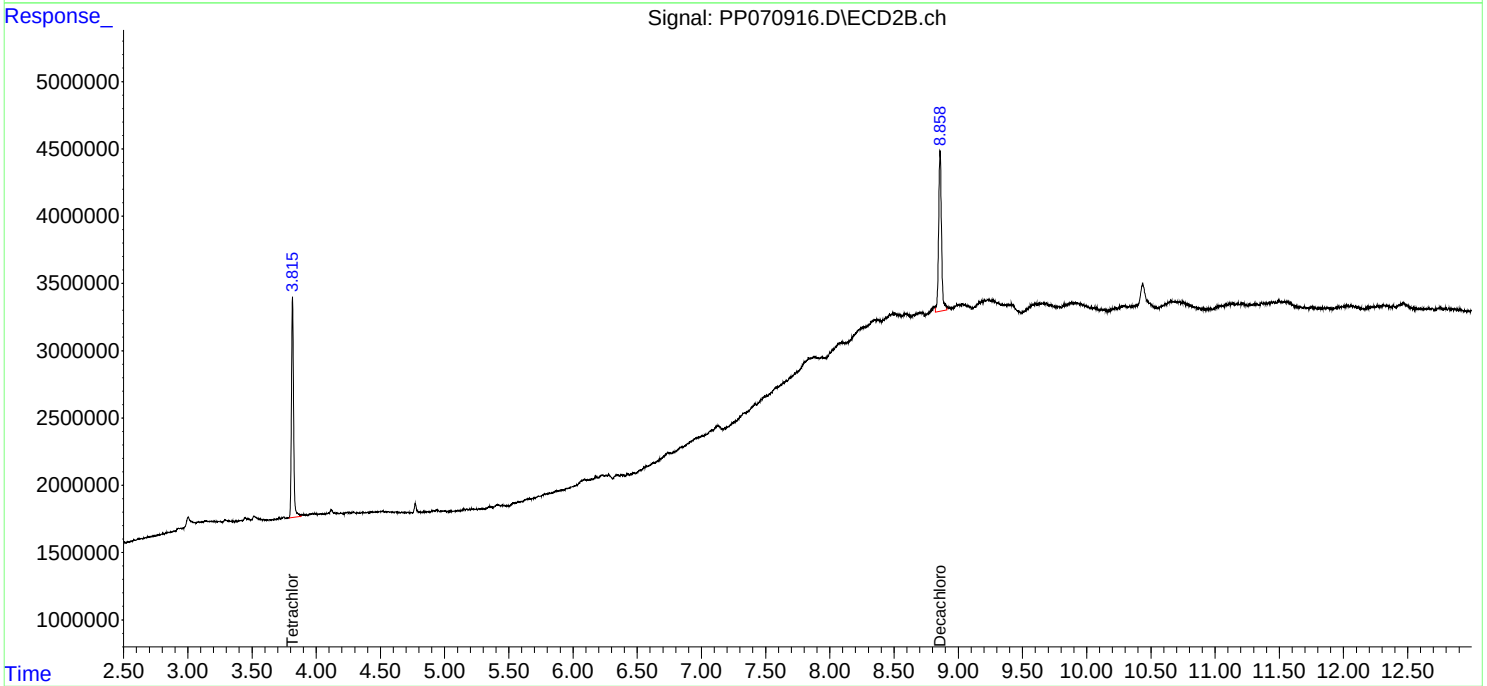
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

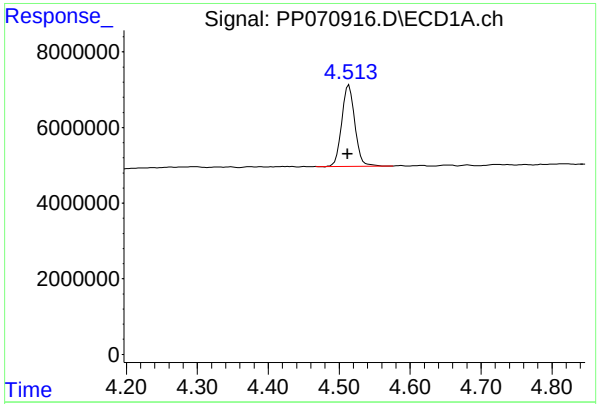
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 06:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



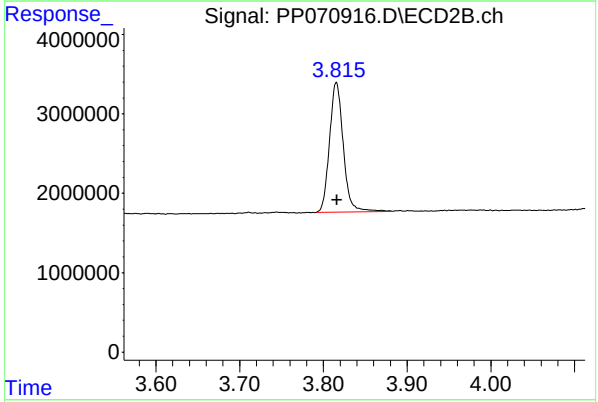




#1 Tetrachloro-m-xylene

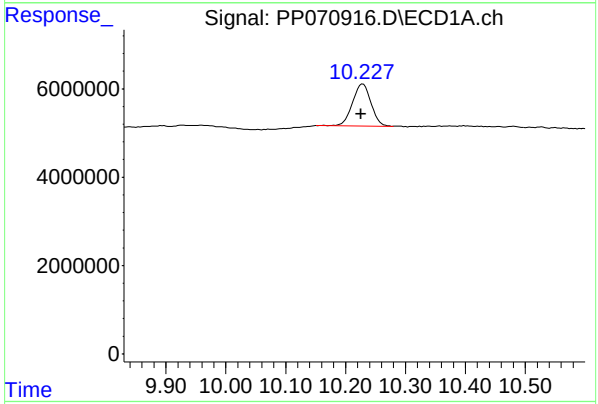
R.T.: 4.514 min
Delta R.T.: 0.002 mi
Response: 27521844
Conc: 18.83 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



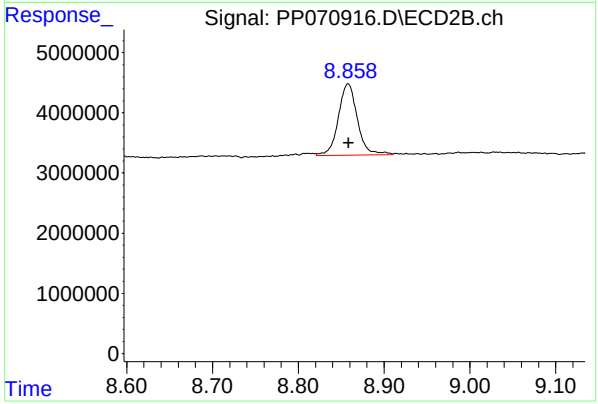
#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 18794888
Conc: 18.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 20399611
Conc: 19.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 18404317
Conc: 23.35 ng/ml

Raw Data: **PP071022.D**

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:	03/31/25
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PIBLK-PP071022.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PP071022.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
PP071022.D	1		03/31/25	pp033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140	95%	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)

Sample Results: **PP071022.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 13:09
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: Mar 31 14:13:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.817	28551299	22886303	19.535	22.077
2)	SA Decachlor...	10.253	8.863	23223971	14957717	22.063	18.977
	Target Compounds						

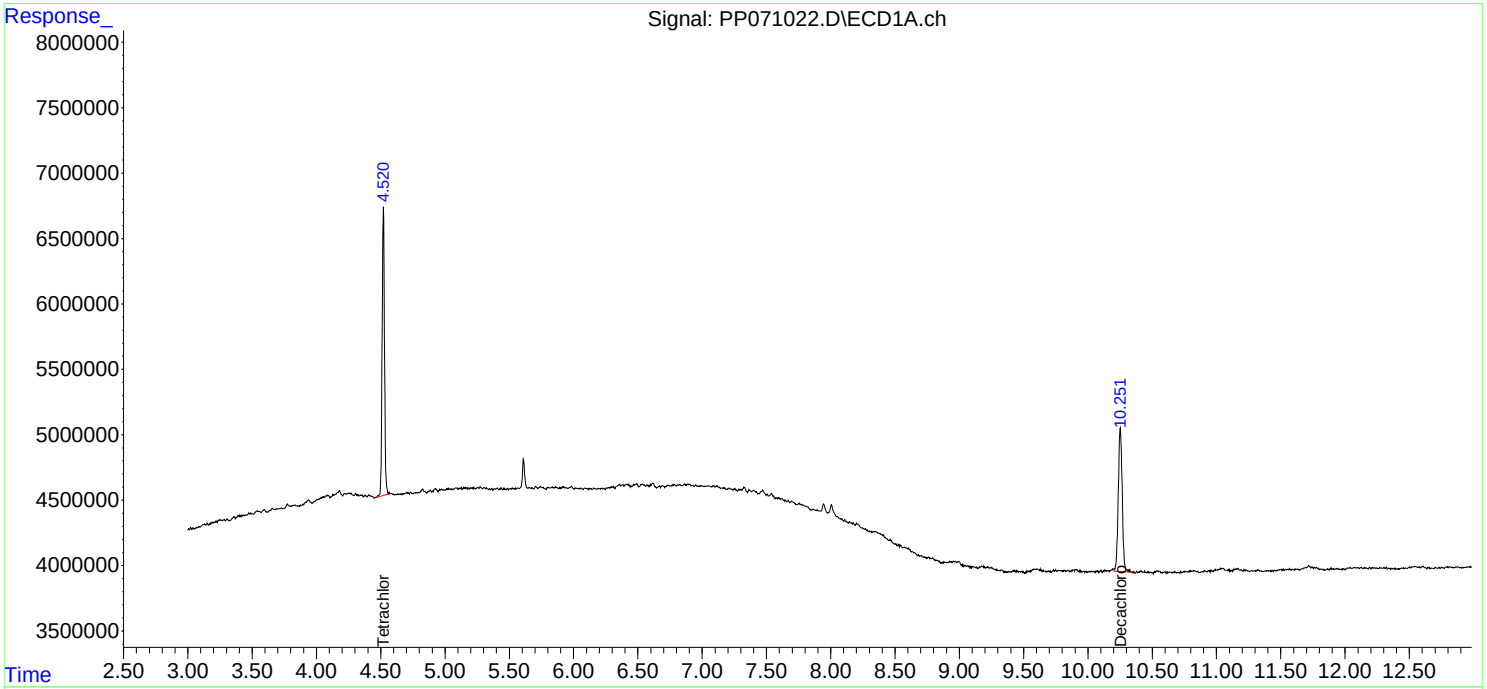
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

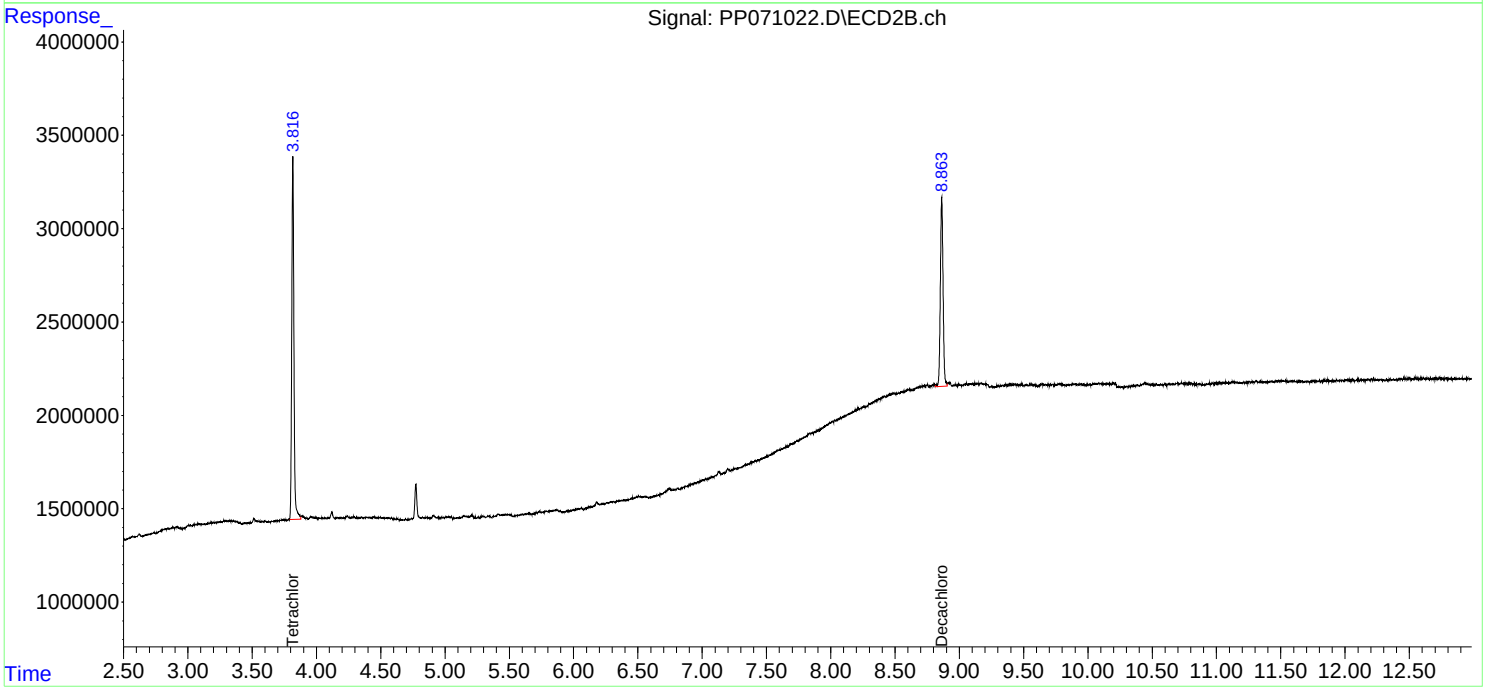
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 13:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

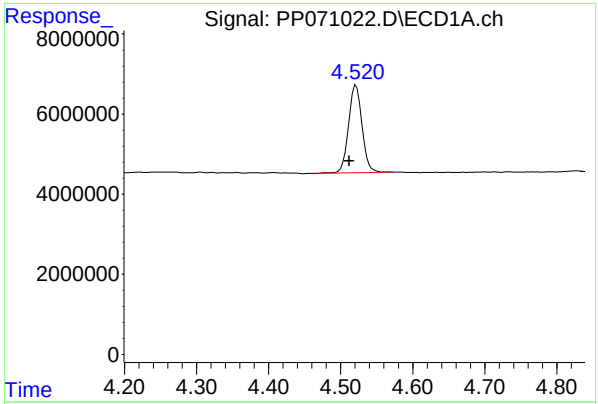
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 14:13:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



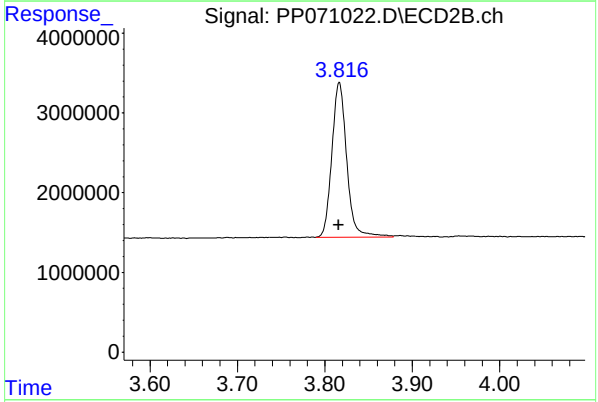




#1 Tetrachloro-m-xylene

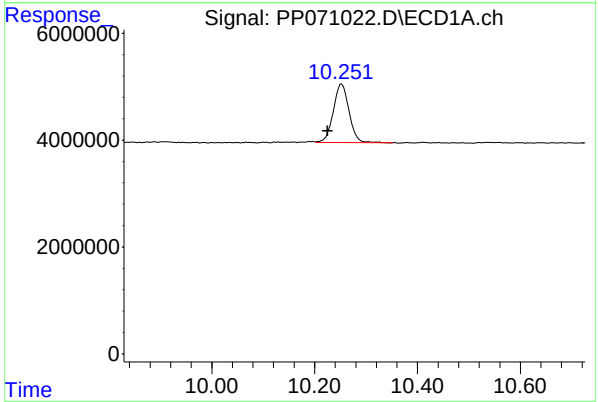
R.T.: 4.521 min
Delta R.T.: 0.009 min
Response: 28551299
Conc: 19.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



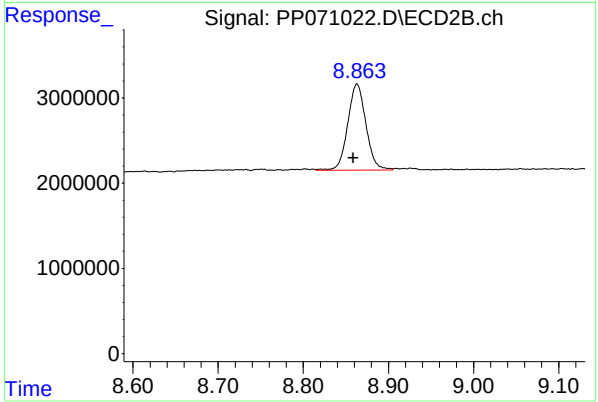
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 22886303
Conc: 22.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.027 min
Response: 23223971
Conc: 22.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.863 min
Delta R.T.: 0.004 min
Response: 14957717
Conc: 18.98 ng/ml

Raw Data: **PP071031.D**

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:	03/31/25
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PIBLK-PP071031.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PP071031.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
PP071031.D	1		03/31/25	pp033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		60 - 140	100%	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)

Sample Results: **PP071031.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:39
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: Apr 01 01:58:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.517	3.817	29358487	22305529	20.087	21.517
2)	SA Decachlor...	10.248	8.863	22511926	15762182	21.387	19.998
	Target Compounds						

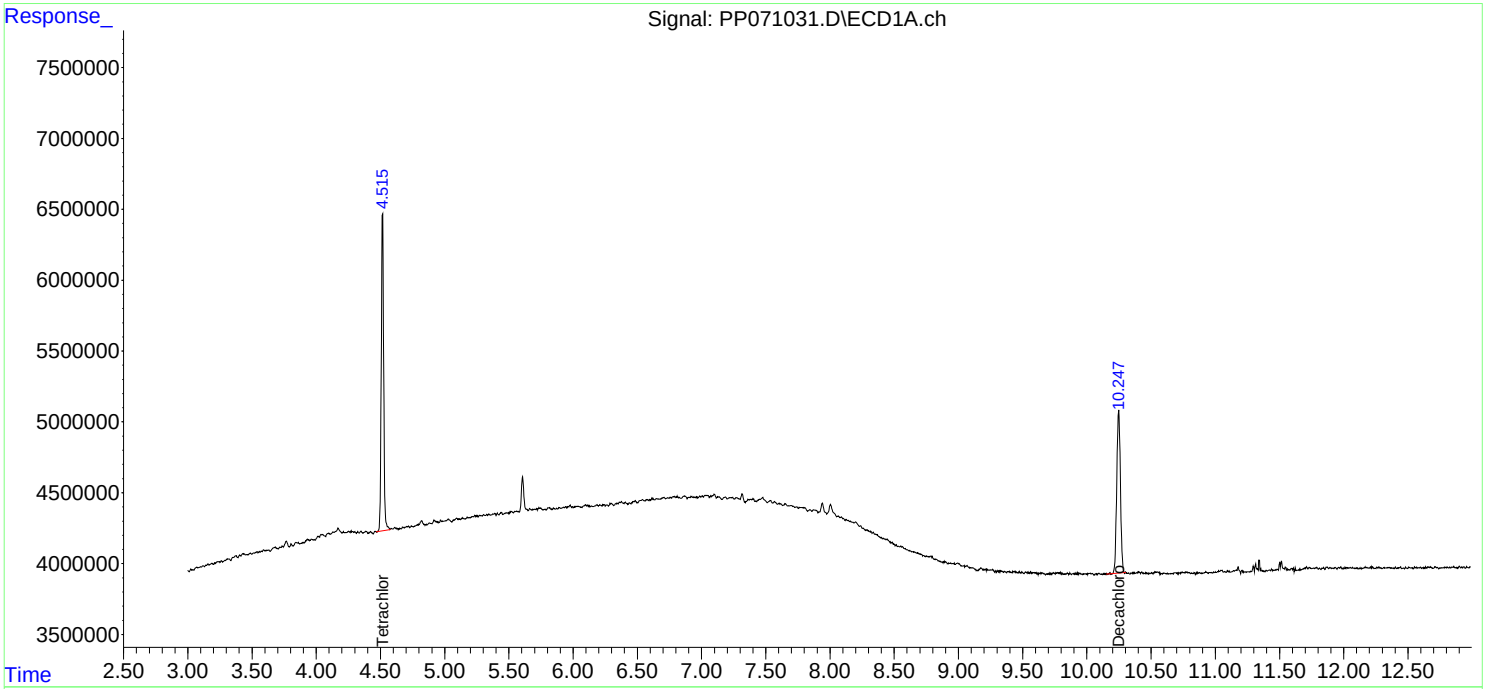
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

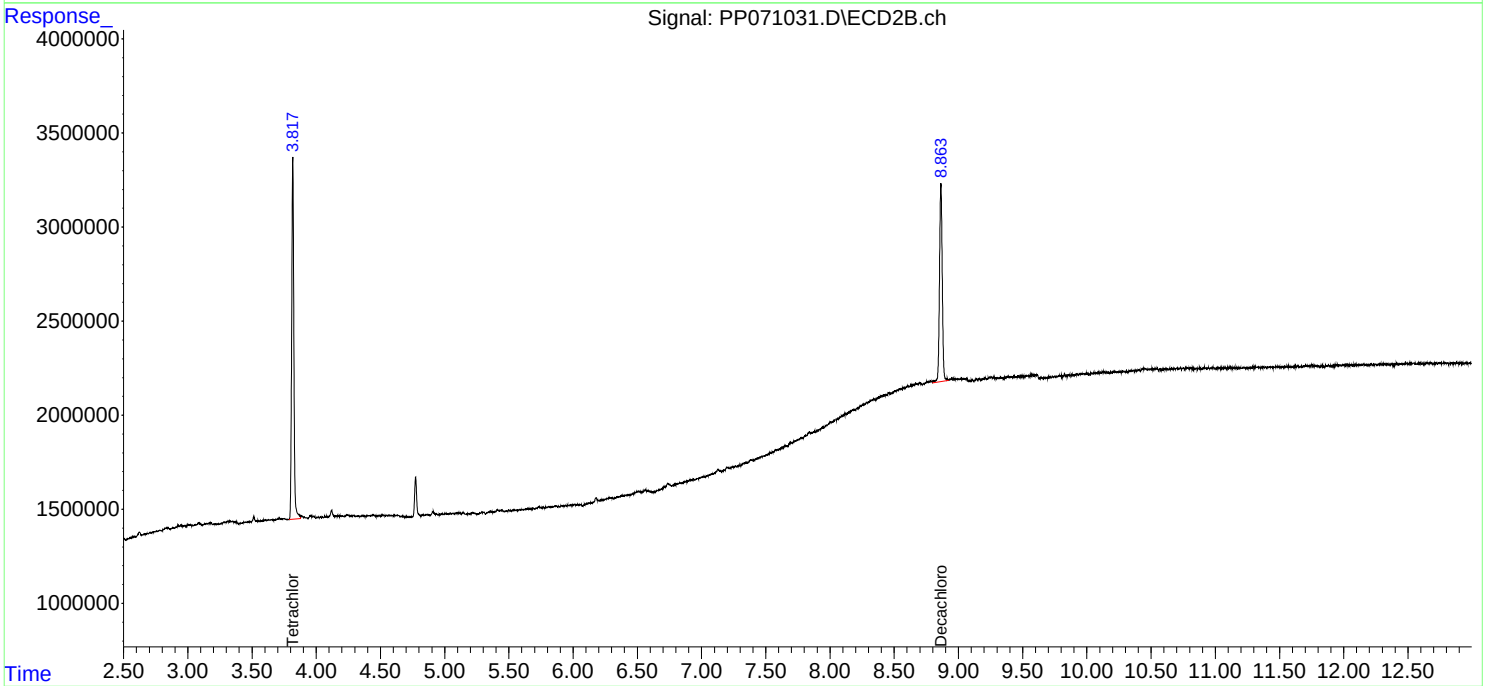
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP033125\
Data File : PP071031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

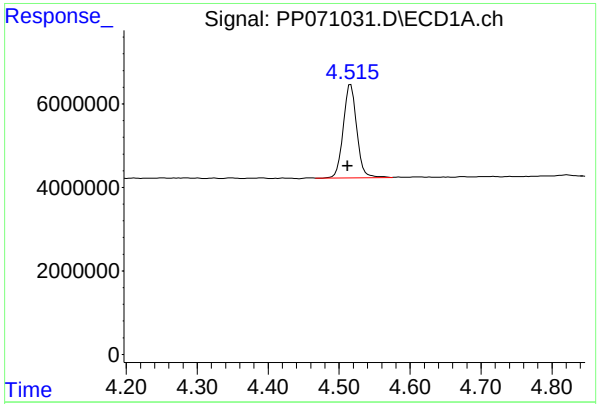
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 01:58:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



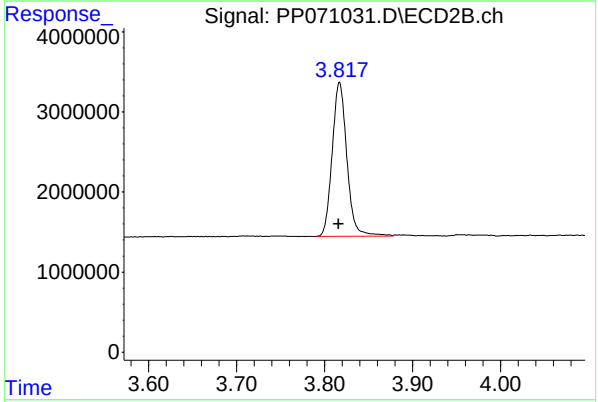




#1 Tetrachloro-m-xylene

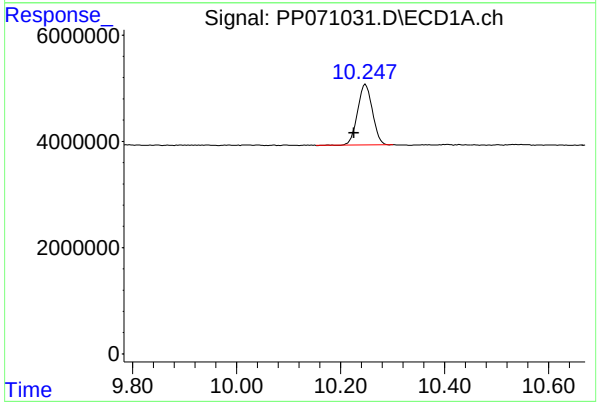
R.T.: 4.517 min
Delta R.T.: 0.005 min
Response: 29358487
Conc: 20.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



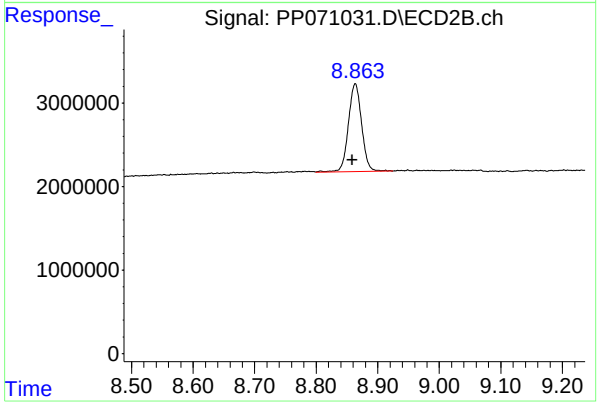
#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 22305529
Conc: 21.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.022 min
Response: 22511926
Conc: 21.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.863 min
Delta R.T.: 0.005 min
Response: 15762182
Conc: 20.00 ng/ml

Raw Data: **PO110124.D**

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 905	Date Received:	
Client Sample ID:	PB167394BS	SDG No.:	Q1664
Lab Sample ID:	PB167394BS	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
PO110124.D	1	03/31/25 11:35	03/31/25 18:18	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.20		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.10		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		16 - 158	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		10 - 173	100%	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\PO033125\
Data File : PO110124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:18
Operator : YP/AJ
Sample : PB167394BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167394BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:55:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.689	174.4E6	97528718	19.166	18.598
2)	SA Decachlor...	8.744	8.695	153.8E6	44376691	20.007	18.291
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.771	141.4E6	75134653	420.033	410.001
4)	L1 AR-1016-2	4.804	4.790	193.9E6	106.4E6	418.276	406.727
5)	L1 AR-1016-3	4.860	4.965	135.0E6	57925424	421.085	408.562
6)	L1 AR-1016-4	4.981	5.007	106.2E6	47929011	420.208	406.420
7)	L1 AR-1016-5	5.238	5.220	111.2E6	60711245	404.436	397.017
31)	L7 AR-1260-1	6.280	6.253	209.5E6	107.9E6	444.448	422.353
32)	L7 AR-1260-2	6.468	6.440	252.2E6	124.4E6	423.498	414.169
33)	L7 AR-1260-3	6.837	6.593	181.5E6	116.7E6	373.951	403.983
34)	L7 AR-1260-4	7.097	7.065	171.1E6	79765434	403.397	370.867
35)	L7 AR-1260-5	7.339	7.306	400.7E6	174.7E6	383.172	350.275

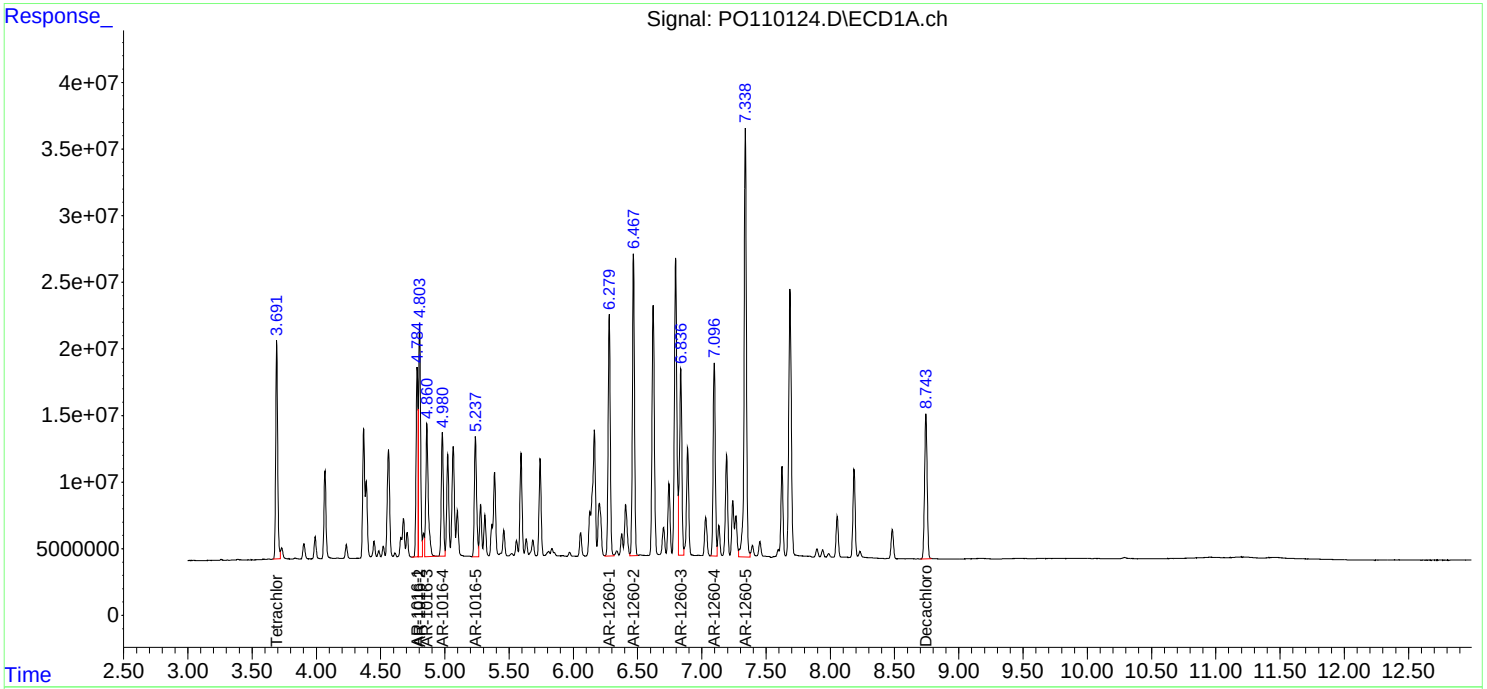
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

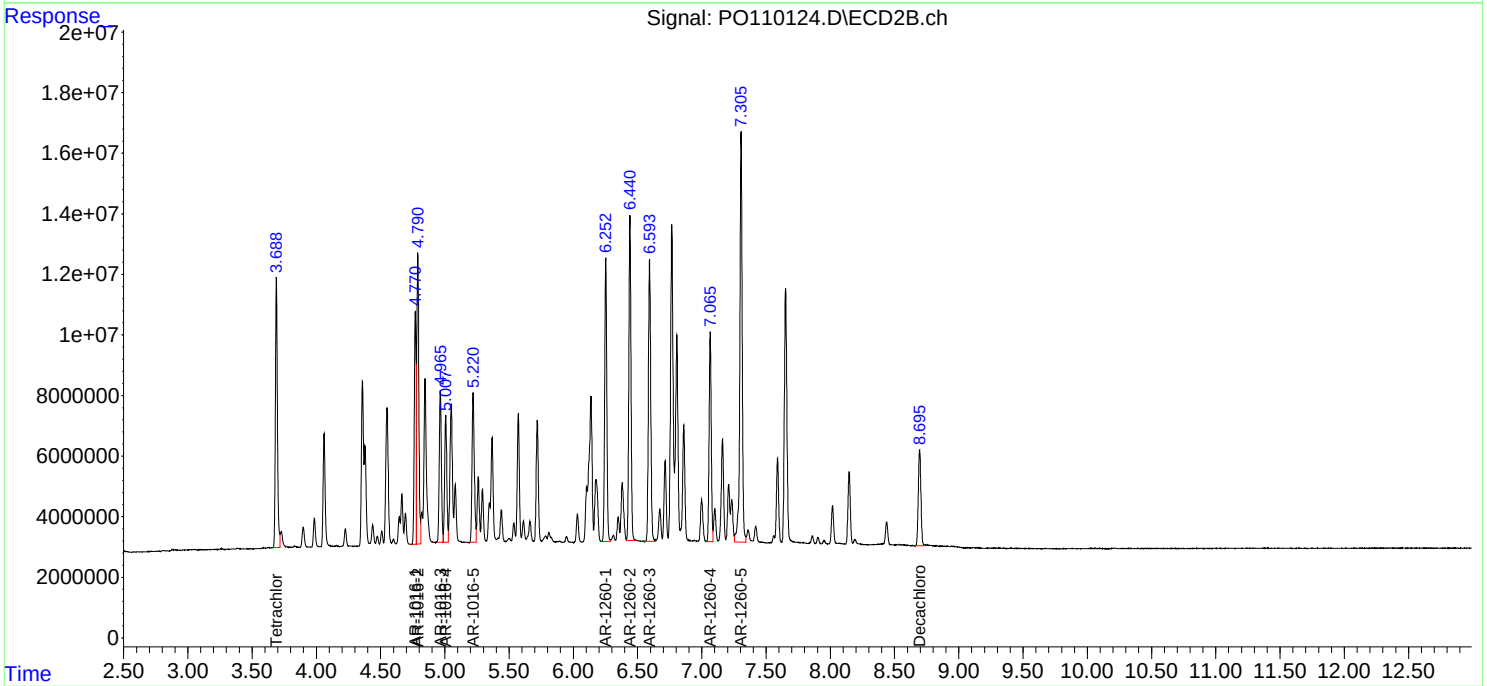
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:18
Operator : YP/AJ
Sample : PB167394BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

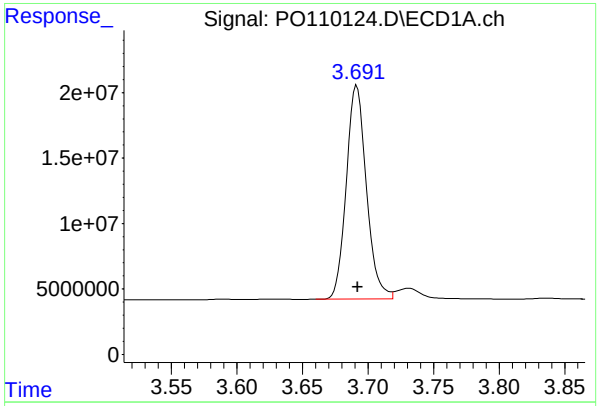
Instrument :
ECD_O
ClientSampleId :
PB167394BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:55:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



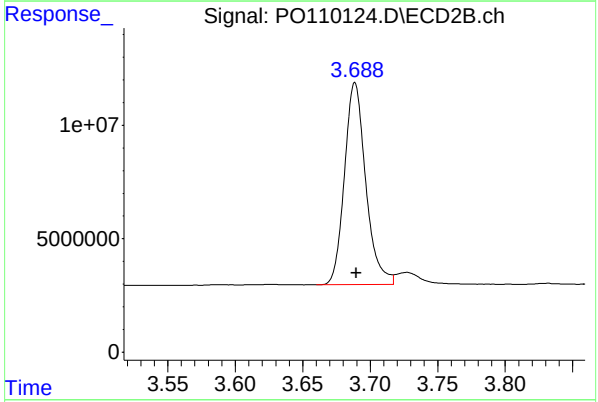




#1 Tetrachloro-m-xylene

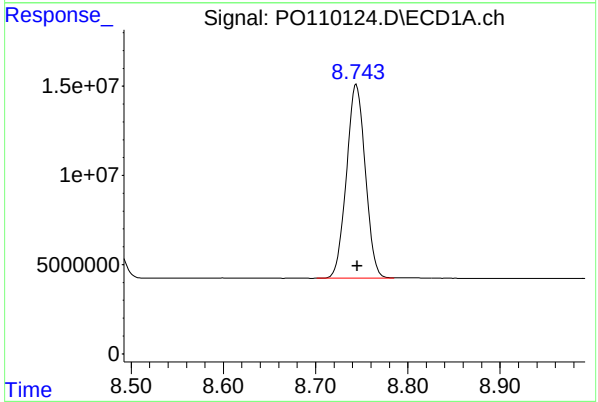
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 174440921
Conc: 19.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BS



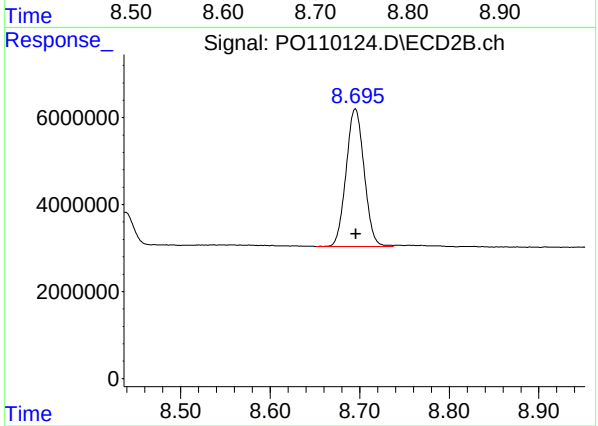
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: -0.001 min
Response: 97528718
Conc: 18.60 ng/ml



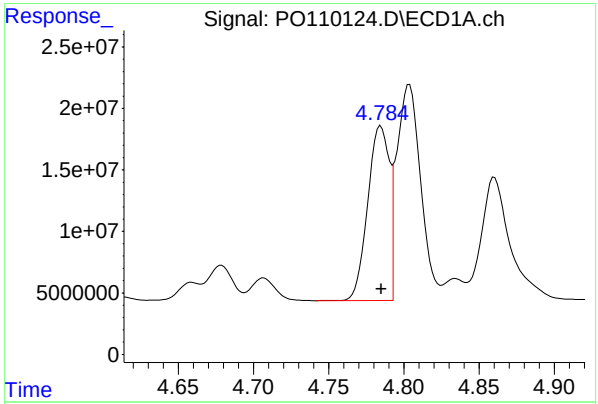
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 153829005
Conc: 20.01 ng/ml



#2 Decachlorobiphenyl

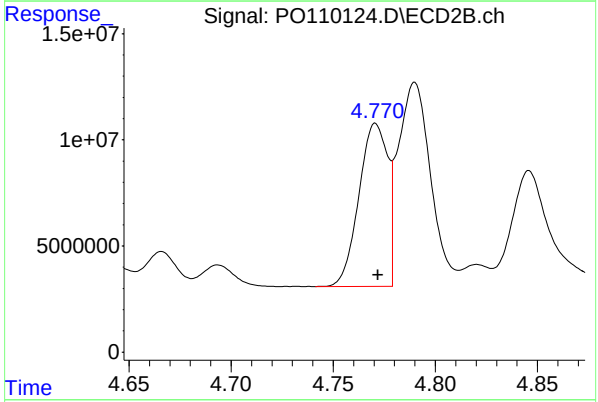
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 44376691
Conc: 18.29 ng/ml



#3 AR-1016-1

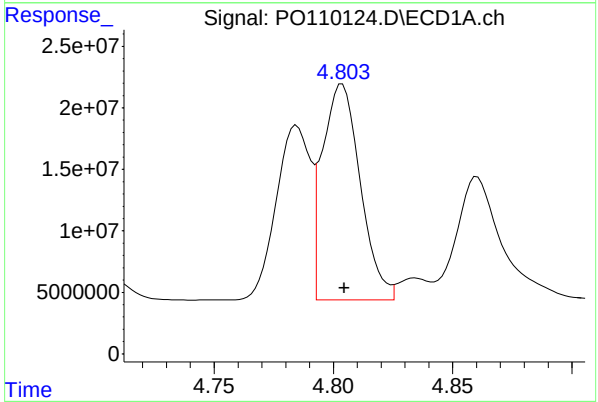
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 141359579
Conc: 420.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BS



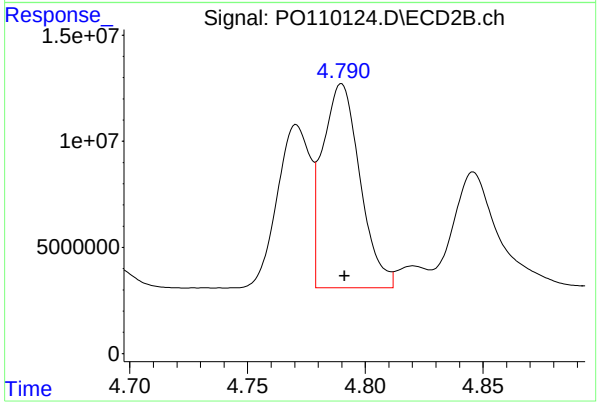
#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 75134653
Conc: 410.00 ng/ml



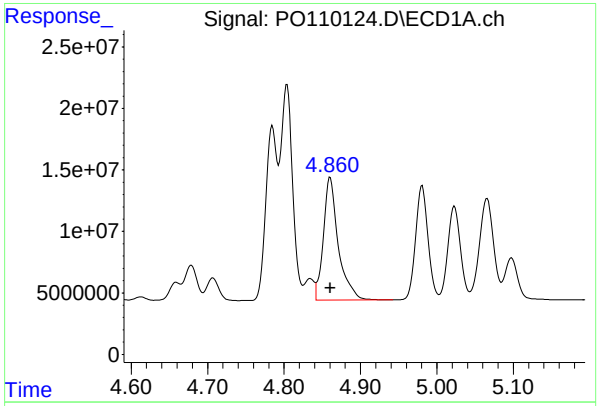
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 193948755
Conc: 418.28 ng/ml



#4 AR-1016-2

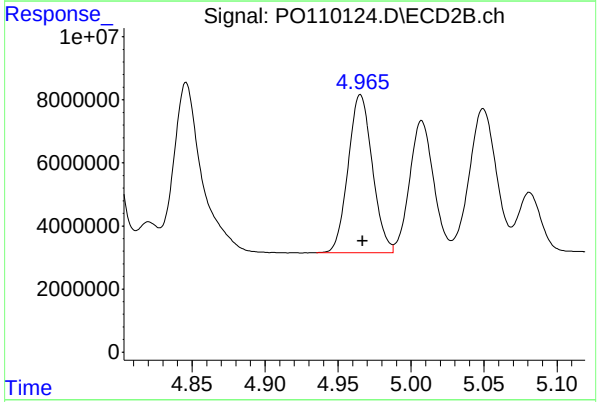
R.T.: 4.790 min
Delta R.T.: -0.001 min
Response: 106360974
Conc: 406.73 ng/ml



#5 AR-1016-3

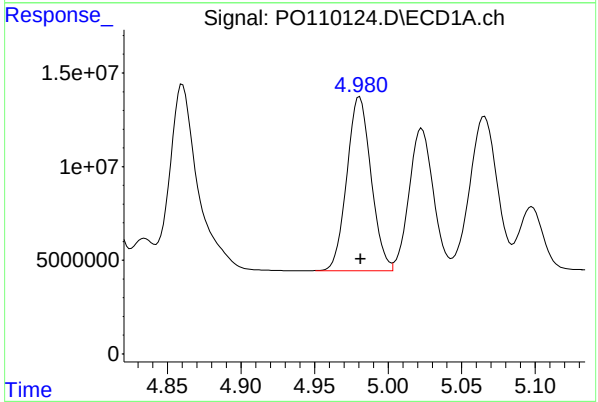
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 134994108
Conc: 421.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BS



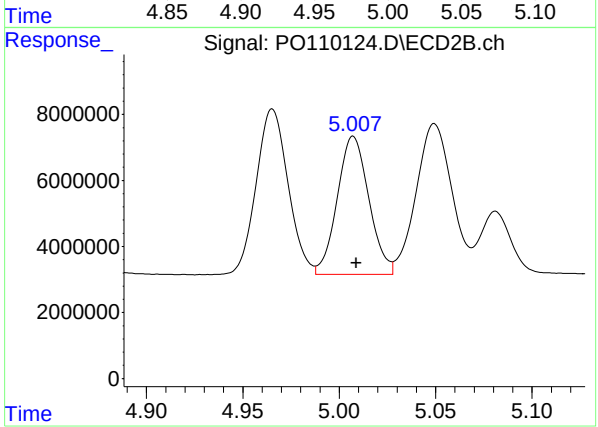
#5 AR-1016-3

R.T.: 4.965 min
Delta R.T.: -0.002 min
Response: 57925424
Conc: 408.56 ng/ml



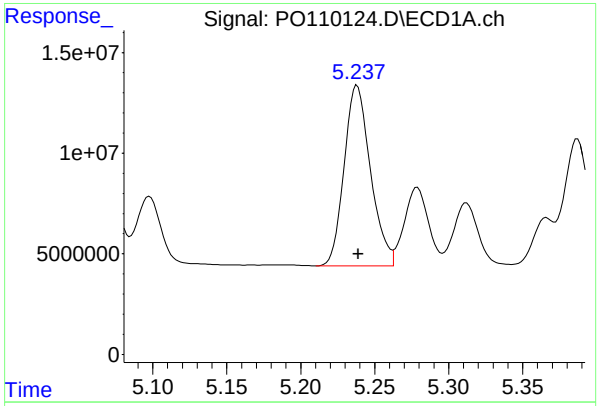
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 106182031
Conc: 420.21 ng/ml



#6 AR-1016-4

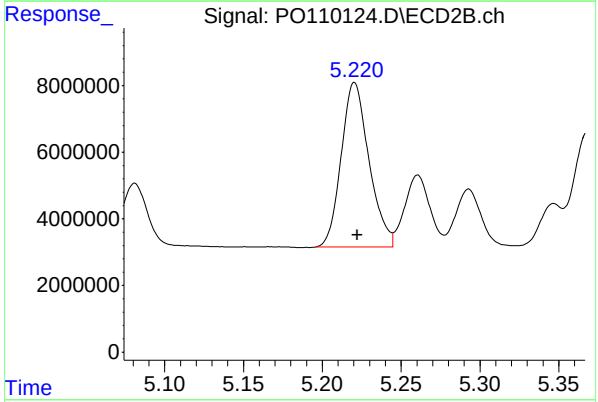
R.T.: 5.007 min
Delta R.T.: -0.002 min
Response: 47929011
Conc: 406.42 ng/ml



#7 AR-1016-5

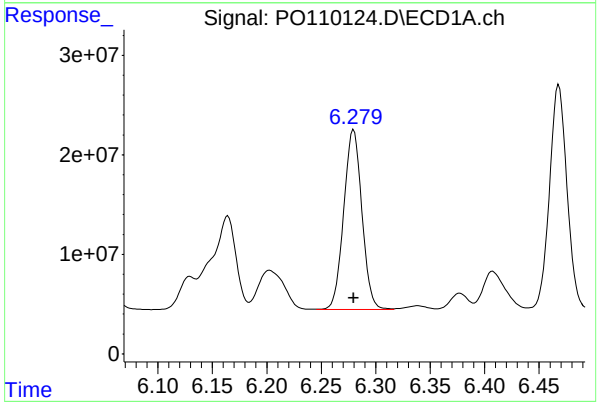
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 111166250
Conc: 404.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BS



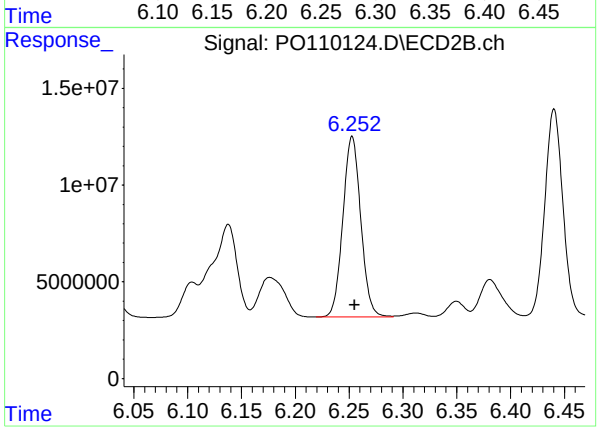
#7 AR-1016-5

R.T.: 5.220 min
Delta R.T.: -0.002 min
Response: 60711245
Conc: 397.02 ng/ml



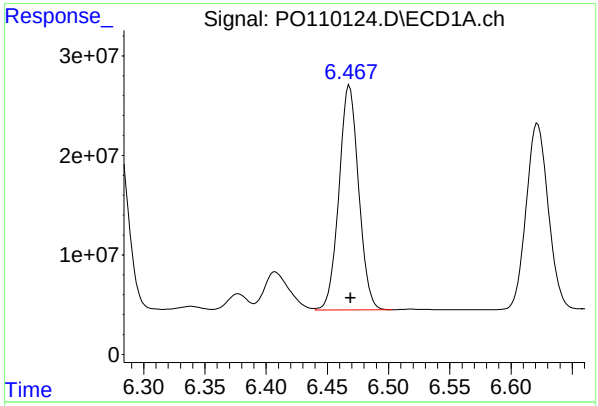
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 209490903
Conc: 444.45 ng/ml



#31 AR-1260-1

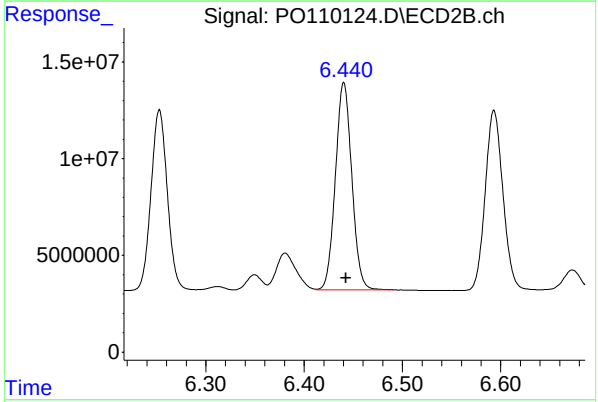
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 107886602
Conc: 422.35 ng/ml



#32 AR-1260-2

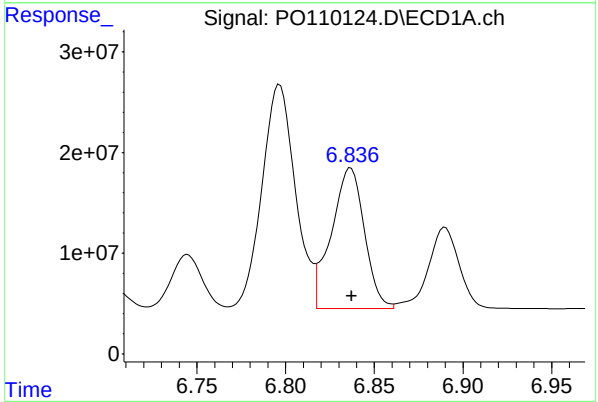
R.T.: 6.468 min
Delta R.T.: 0.000 min
Response: 252201317
Conc: 423.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BS



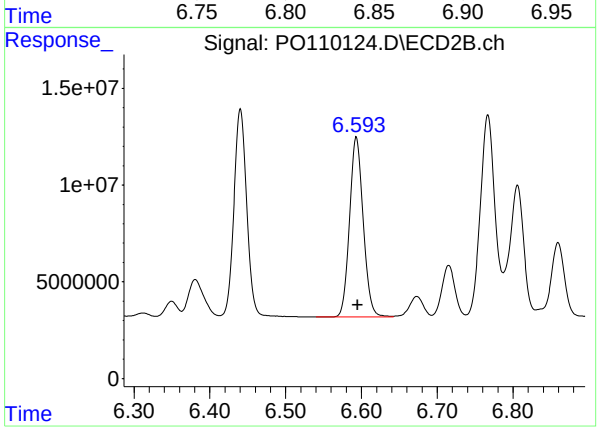
#32 AR-1260-2

R.T.: 6.440 min
Delta R.T.: -0.002 min
Response: 124369005
Conc: 414.17 ng/ml



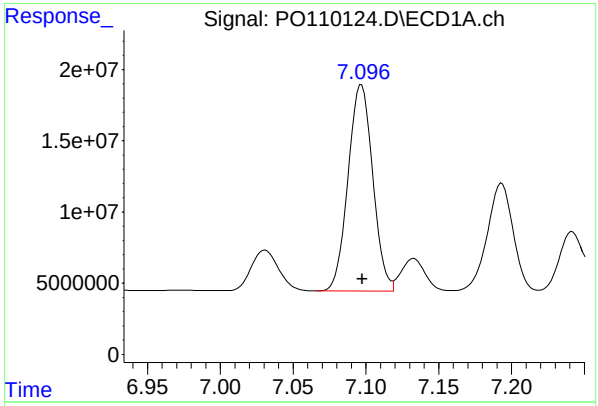
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 181479250
Conc: 373.95 ng/ml



#33 AR-1260-3

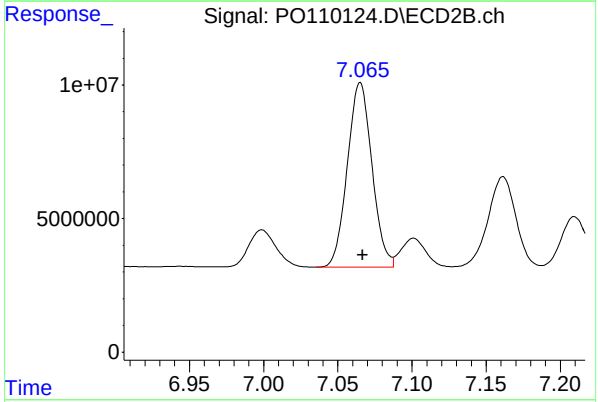
R.T.: 6.593 min
Delta R.T.: -0.002 min
Response: 116743868
Conc: 403.98 ng/ml



#34 AR-1260-4

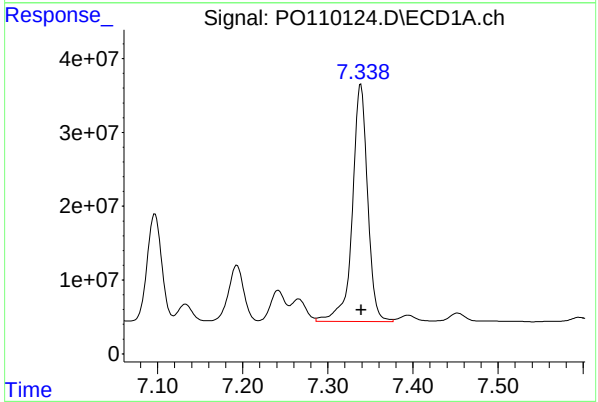
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 171107994
Conc: 403.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167394BS



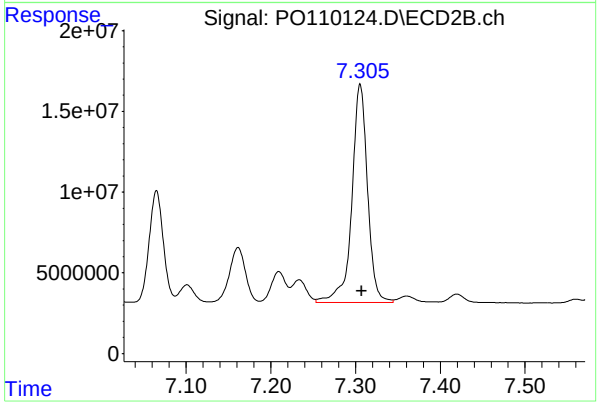
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.002 min
Response: 79765434
Conc: 370.87 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 400738972
Conc: 383.17 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.002 min
Response: 174681030
Conc: 350.28 ng/ml

Raw Data: **PO110127.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-05MS	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
PO110127.D	1	03/31/25 11:35	03/31/25 19:13	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.30		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	5.20		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		16 - 158	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		10 - 173	115%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:13
Operator : YP/AJ
Sample : Q1664-05MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	207.8E6	115.6E6	22.827	22.052
2)	SA Decachlor...	8.744	8.696	177.5E6	49684914	23.080	20.479
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.771	181.2E6	95737050	538.291	522.425
4)	L1 AR-1016-2	4.804	4.791	251.9E6	137.0E6	543.355	523.837
5)	L1 AR-1016-3	4.861	4.966	170.0E6	73237856	530.232	516.565
6)	L1 AR-1016-4	4.981	5.008	135.5E6	58718906	536.152	497.914
7)	L1 AR-1016-5	5.238	5.221	142.2E6	77158567	517.450	504.573
31)	L7 AR-1260-1	6.280	6.254	271.6E6	137.7E6	576.225	539.084
32)	L7 AR-1260-2	6.468	6.441	329.1E6	158.7E6	552.555	528.389
33)	L7 AR-1260-3	6.837	6.594	235.5E6	149.4E6	485.286	516.880
34)	L7 AR-1260-4	7.097	7.066	218.4E6	100.9E6	514.950	468.920
35)	L7 AR-1260-5	7.339	7.306	516.5E6	222.3E6	493.867	445.678

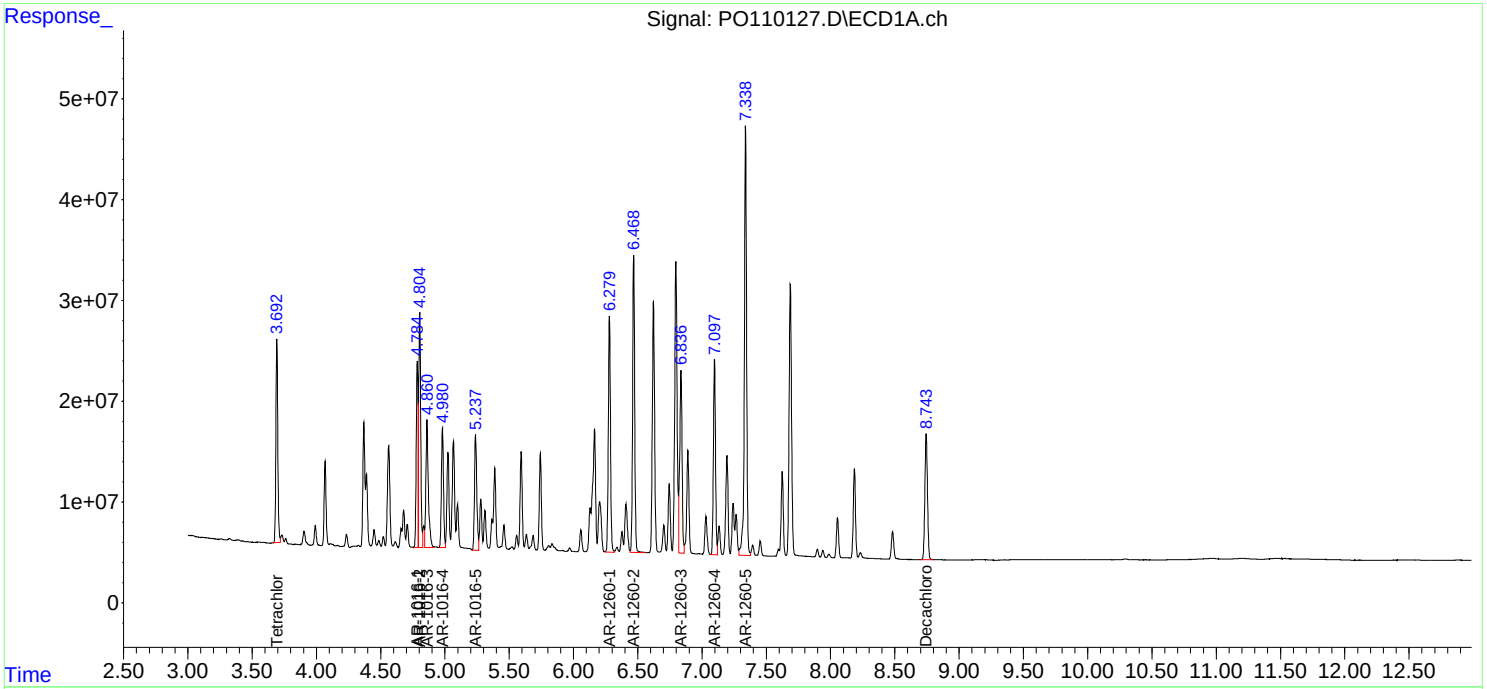
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

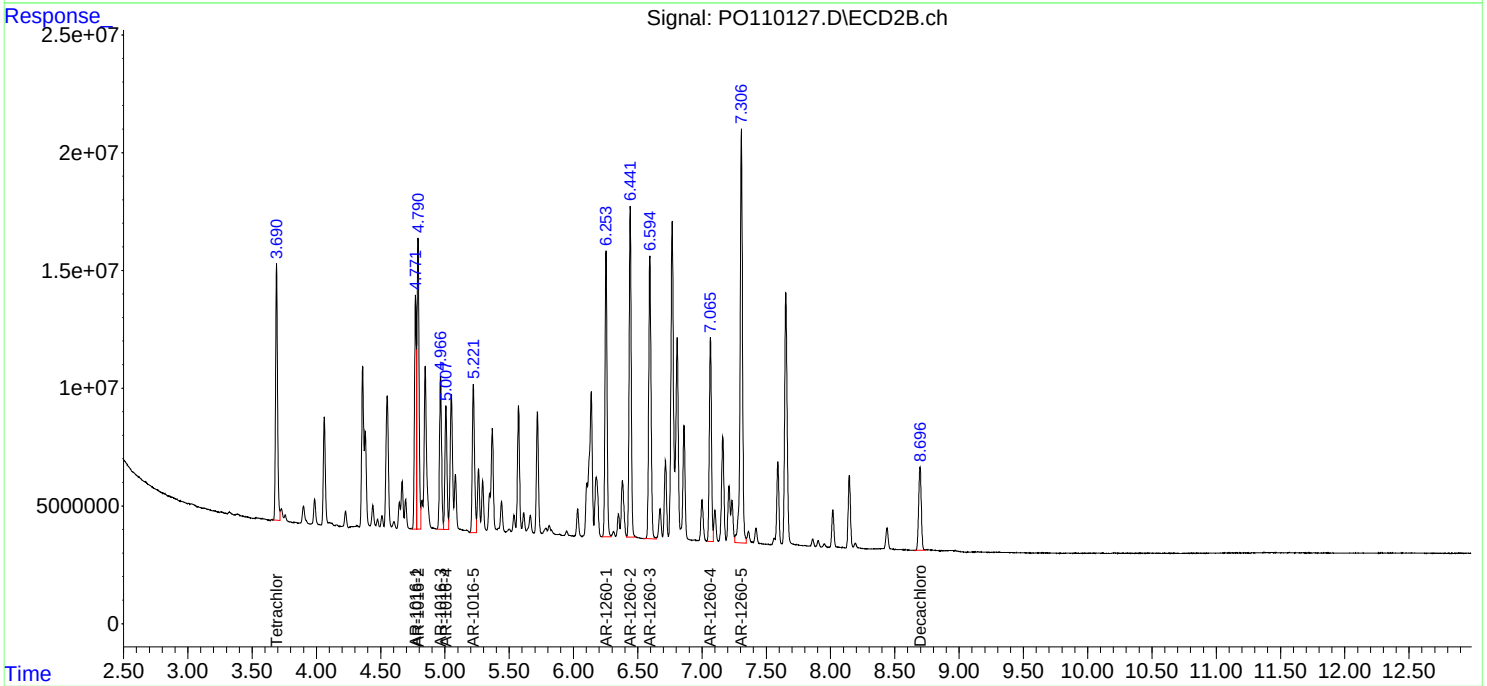
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:13
Operator : YP/AJ
Sample : Q1664-05MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

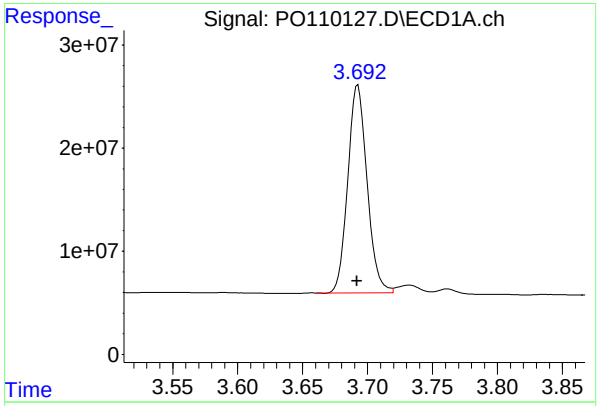
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



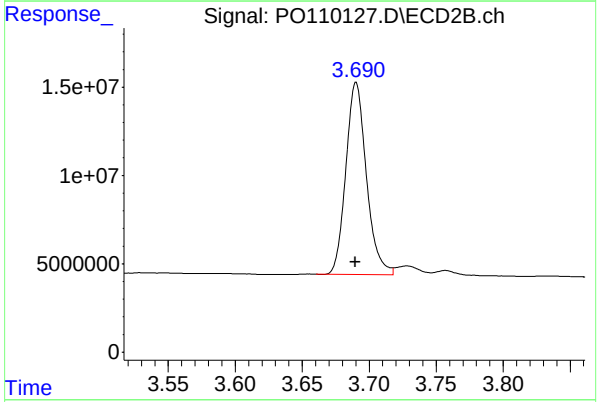




#1 Tetrachloro-m-xylene

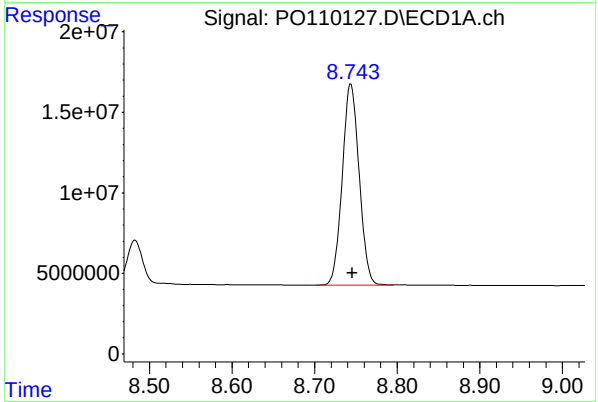
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 207764433
Conc: 22.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS



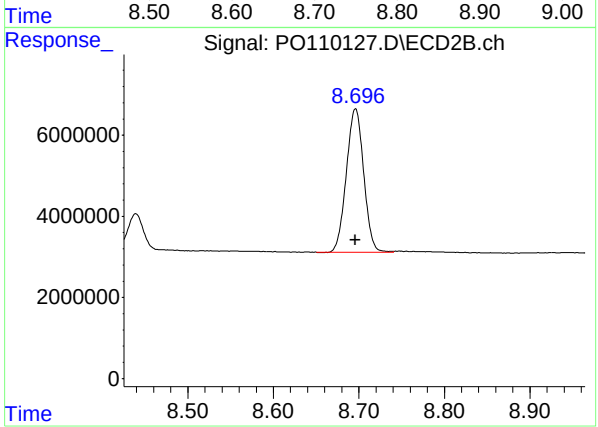
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 115641010
Conc: 22.05 ng/ml



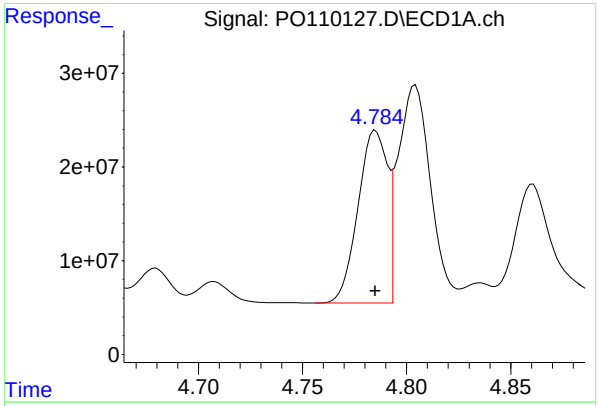
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 177457001
Conc: 23.08 ng/ml



#2 Decachlorobiphenyl

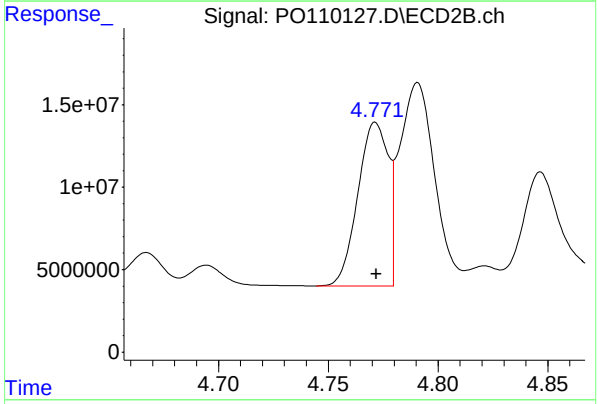
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 49684914
Conc: 20.48 ng/ml



#3 AR-1016-1

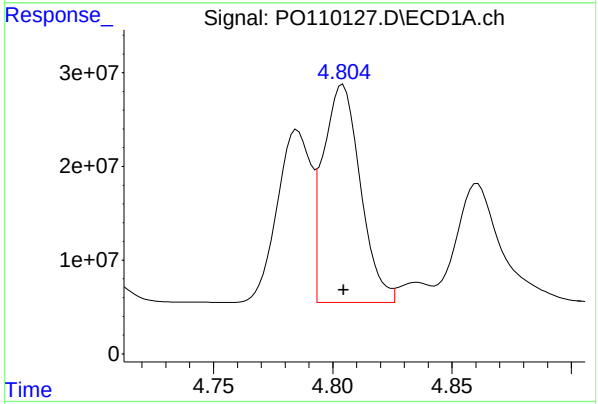
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 181158797
Conc: 538.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS



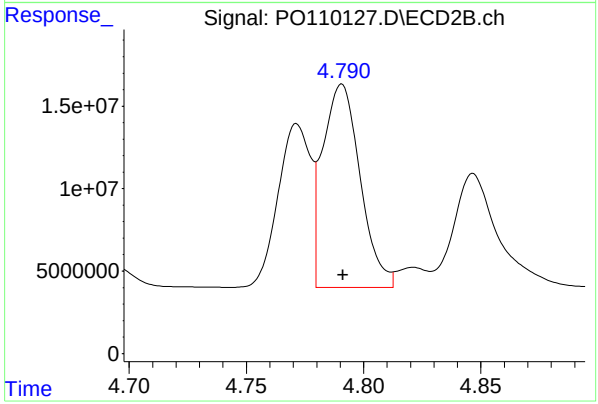
#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 95737050
Conc: 522.43 ng/ml



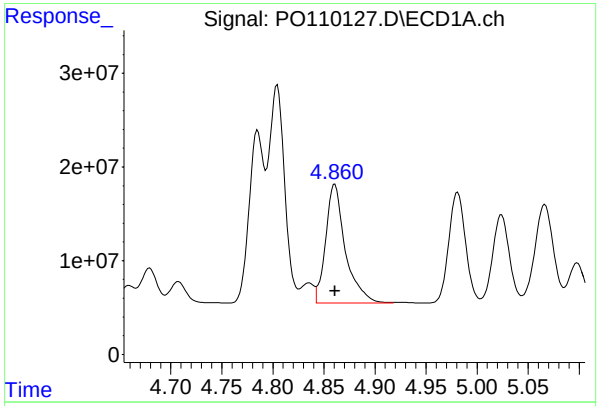
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 251945917
Conc: 543.35 ng/ml



#4 AR-1016-2

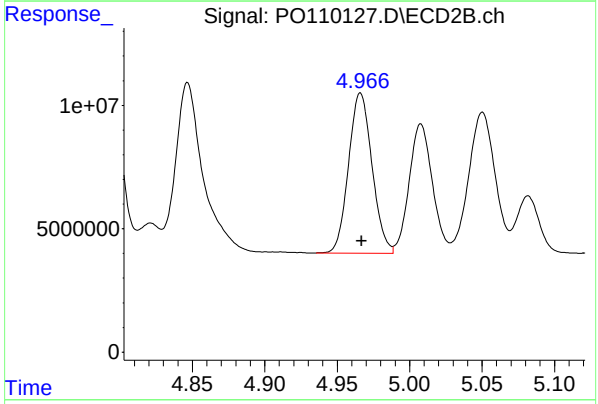
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 136985741
Conc: 523.84 ng/ml



#5 AR-1016-3

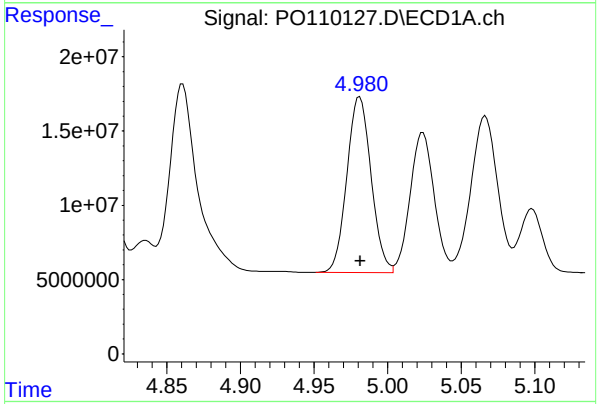
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 169984995
Conc: 530.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS



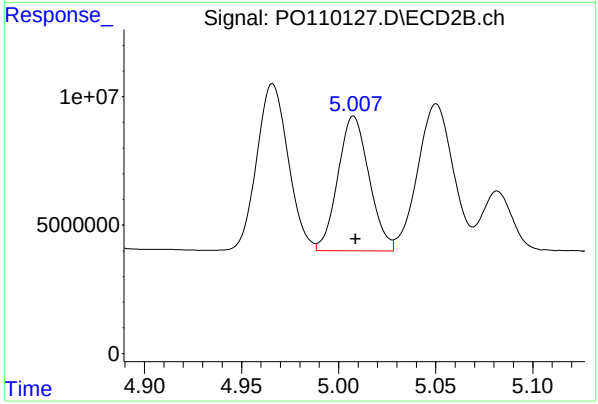
#5 AR-1016-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 73237856
Conc: 516.56 ng/ml



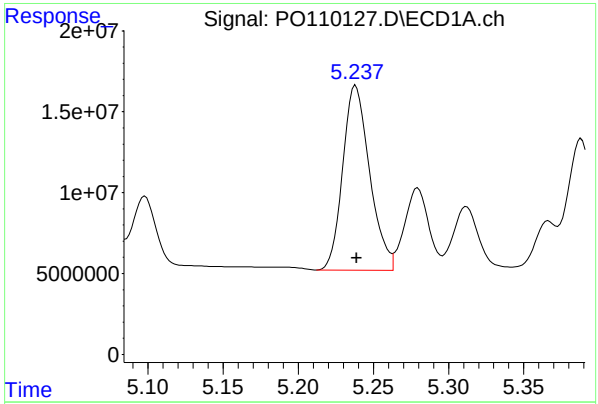
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 135479797
Conc: 536.15 ng/ml



#6 AR-1016-4

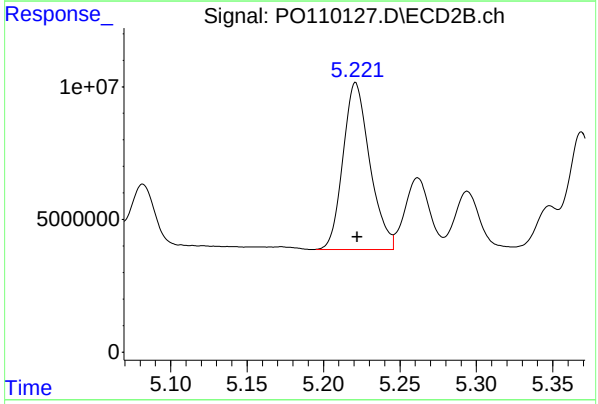
R.T.: 5.008 min
Delta R.T.: -0.001 min
Response: 58718906
Conc: 497.91 ng/ml



#7 AR-1016-5

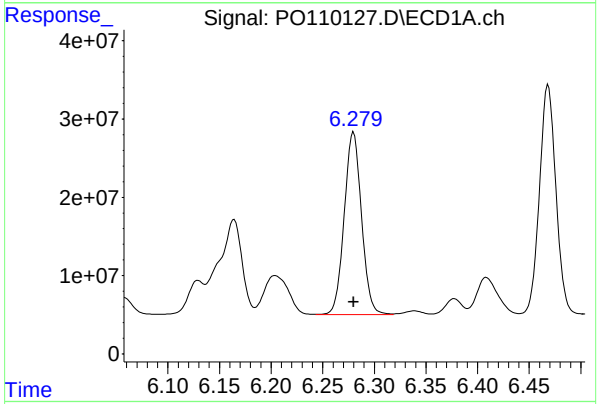
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 142229854
Conc: 517.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS



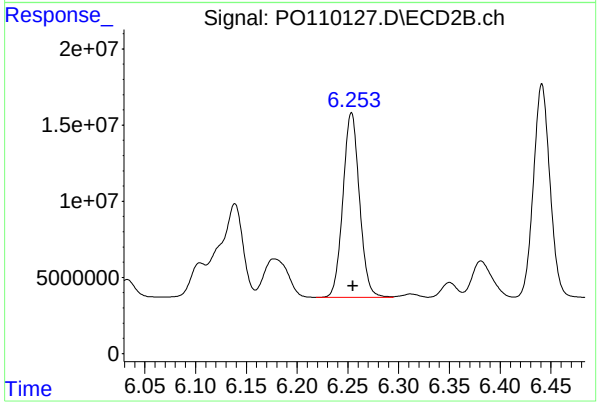
#7 AR-1016-5

R.T.: 5.221 min
Delta R.T.: -0.001 min
Response: 77158567
Conc: 504.57 ng/ml



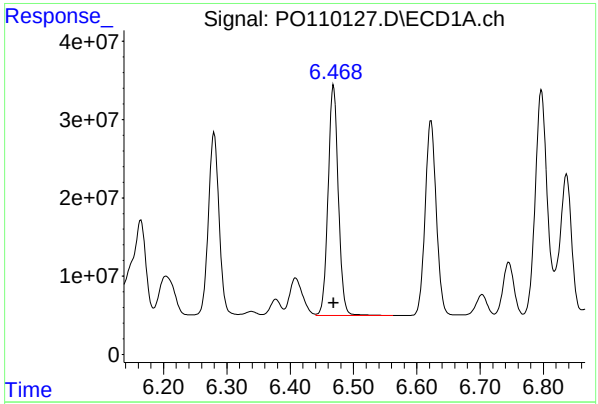
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 271604439
Conc: 576.23 ng/ml



#31 AR-1260-1

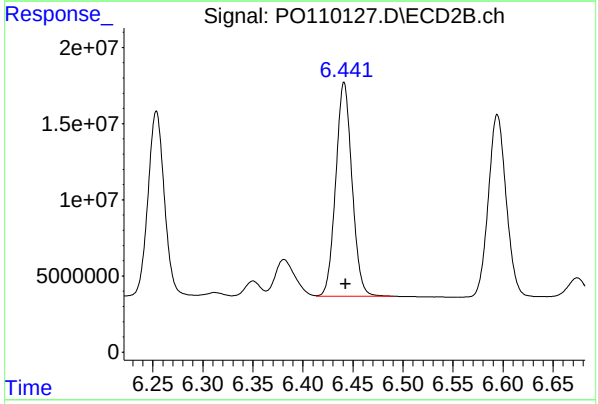
R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 137704501
Conc: 539.08 ng/ml



#32 AR-1260-2

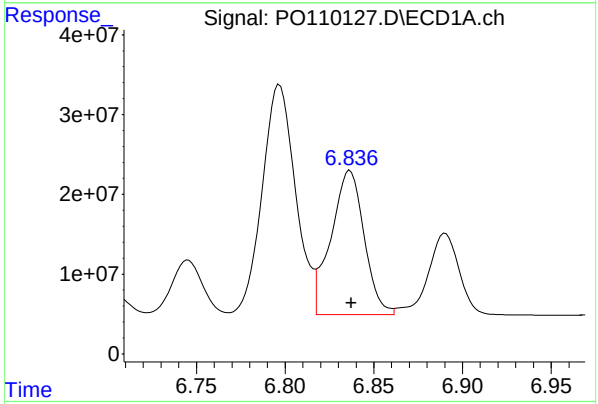
R.T.: 6.468 min
Delta R.T.: 0.000 min
Response: 329056885
Conc: 552.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS



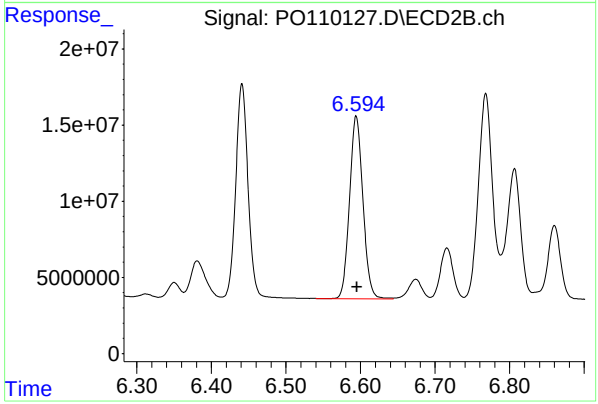
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.001 min
Response: 158667672
Conc: 528.39 ng/ml



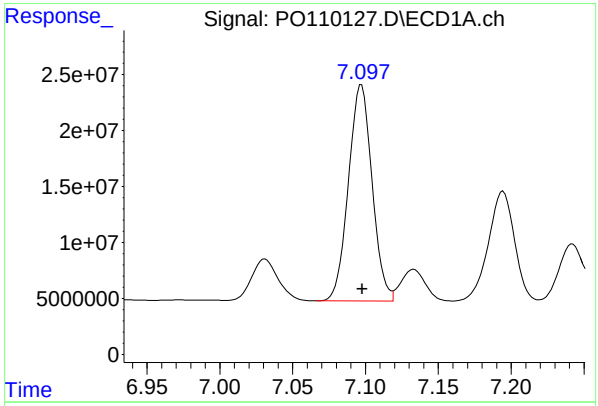
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 235510214
Conc: 485.29 ng/ml



#33 AR-1260-3

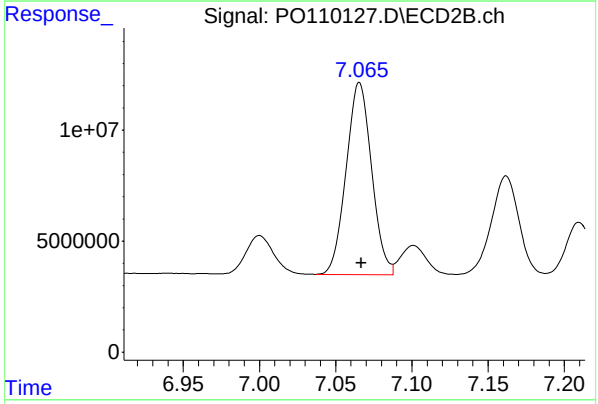
R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 149369020
Conc: 516.88 ng/ml



#34 AR-1260-4

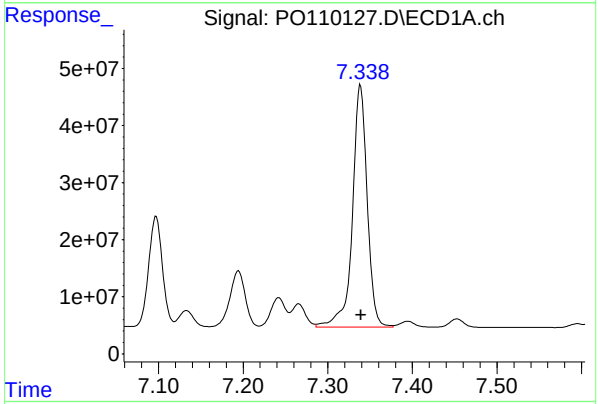
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 218425279
Conc: 514.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MS



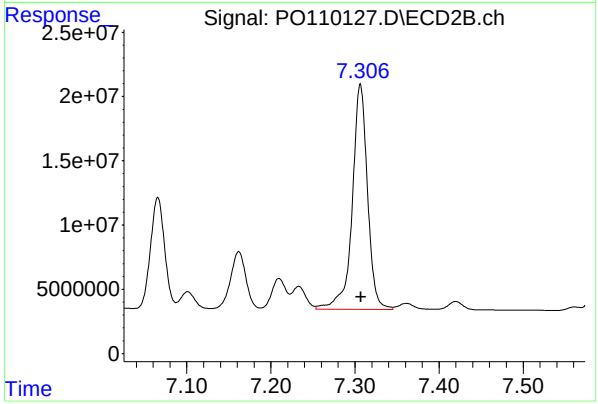
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: -0.001 min
Response: 100854587
Conc: 468.92 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 516508668
Conc: 493.87 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 222257963
Conc: 445.68 ng/ml

Raw Data: **PO110128.D**

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:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-06MSD	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
PO110128.D	1	03/31/25 11:35	03/31/25 19:31	PB167394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.10		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	5.20		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		16 - 158	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		10 - 173	113%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:31
Operator : YP/AJ
Sample : Q1664-06MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	199.0E6	112.7E6	21.863	21.500
2)	SA Decachlor...	8.745	8.696	174.0E6	51116603	22.626	21.069
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.772	175.4E6	93852043	521.290	512.139
4)	L1 AR-1016-2	4.804	4.791	243.3E6	134.3E6	524.756	513.582
5)	L1 AR-1016-3	4.861	4.967	164.4E6	71689021	512.954	505.640
6)	L1 AR-1016-4	4.981	5.009	130.8E6	57629110	517.611	488.673
7)	L1 AR-1016-5	5.239	5.222	135.1E6	74279088	491.368	485.742
31)	L7 AR-1260-1	6.280	6.254	278.4E6	136.7E6	590.540	535.257
32)	L7 AR-1260-2	6.469	6.441	326.1E6	154.7E6	547.514	515.019
33)	L7 AR-1260-3	6.837	6.595	216.6E6	147.1E6	446.397	508.971
34)	L7 AR-1260-4	7.097	7.067	214.2E6	99005661	505.100	460.324
35)	L7 AR-1260-5	7.339	7.307	517.3E6	221.8E6	494.582	444.729

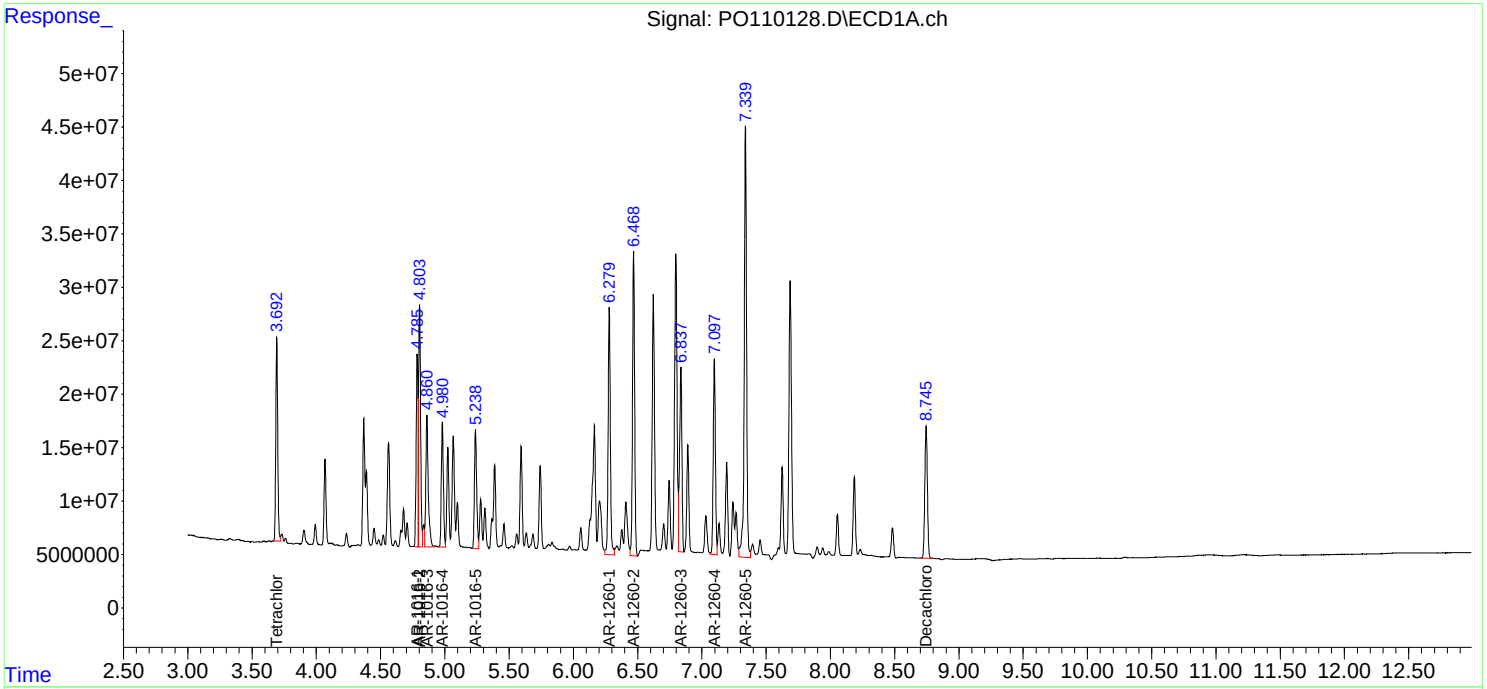
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

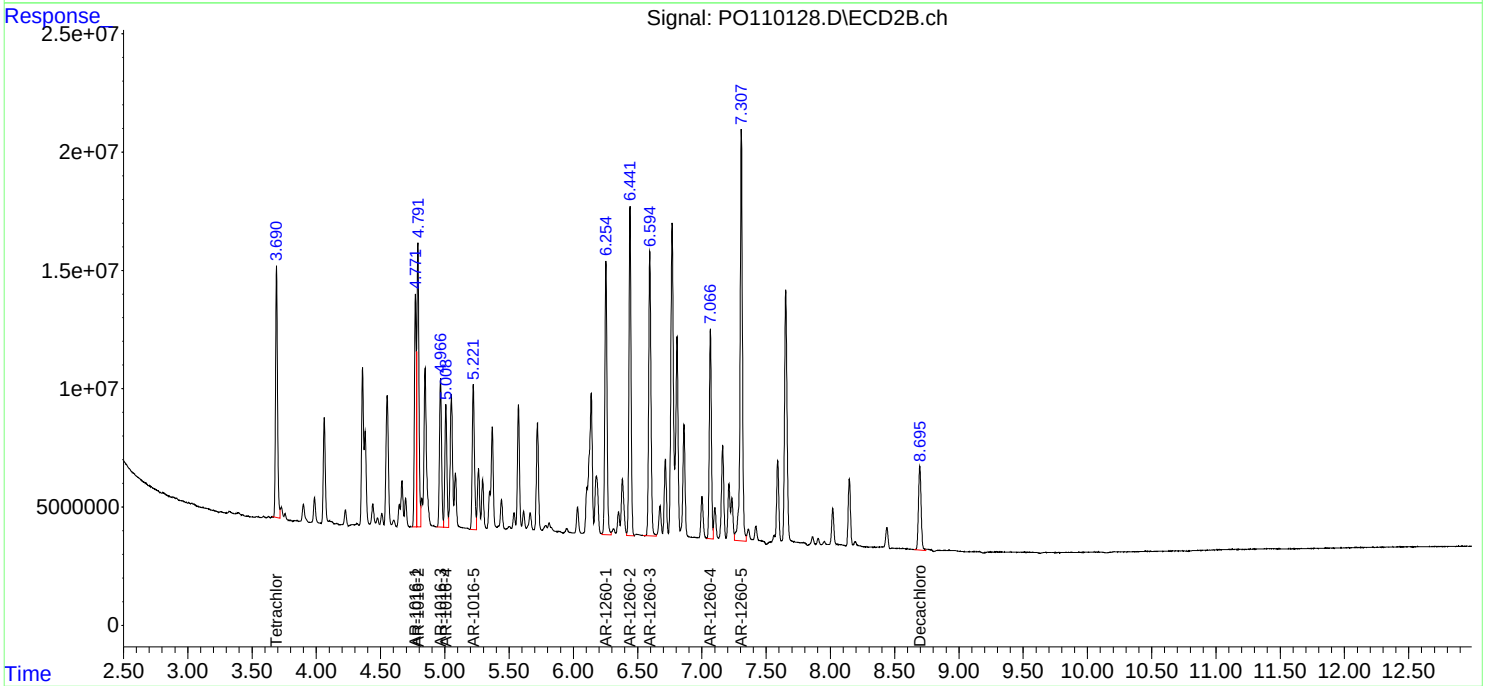
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO033125\
Data File : PO110128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:31
Operator : YP/AJ
Sample : Q1664-06MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

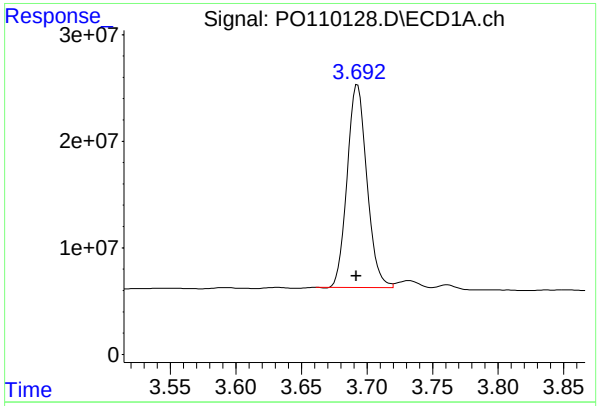
Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



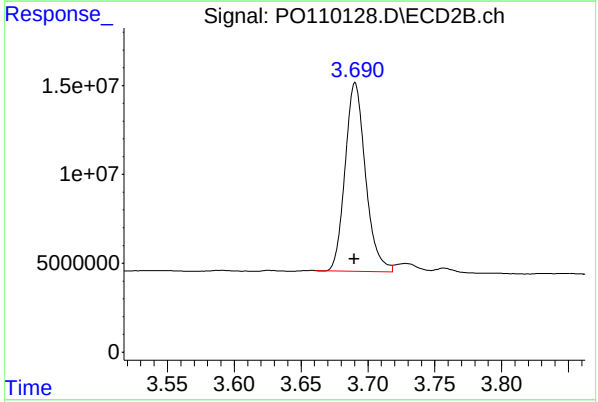




#1 Tetrachloro-m-xylene

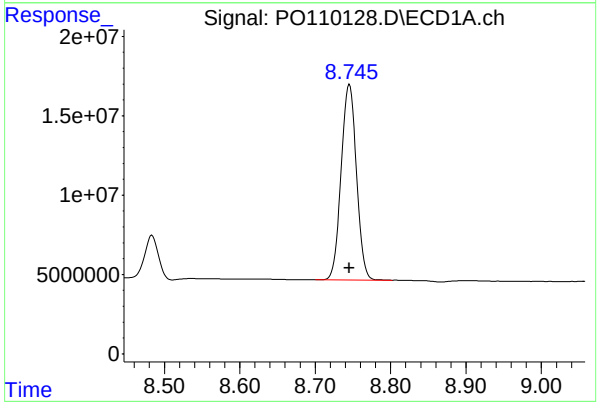
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 198986570
Conc: 21.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD



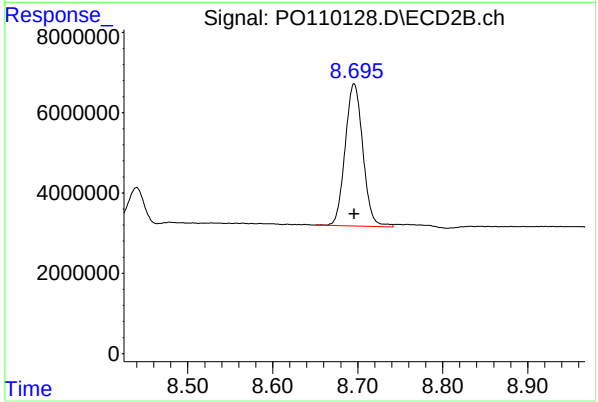
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 112746009
Conc: 21.50 ng/ml



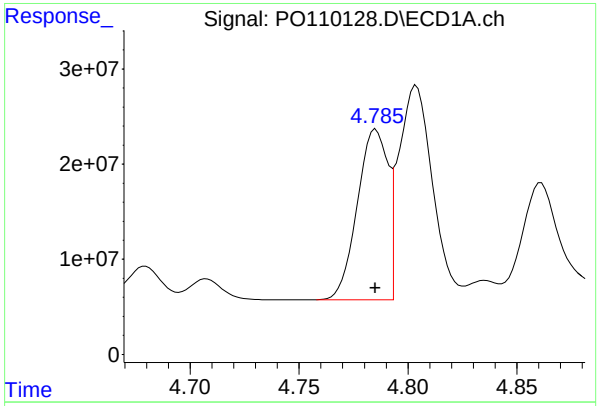
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 173964541
Conc: 22.63 ng/ml



#2 Decachlorobiphenyl

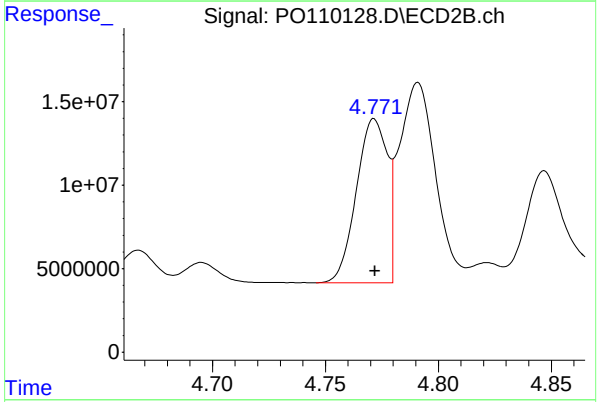
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 51116603
Conc: 21.07 ng/ml



#3 AR-1016-1

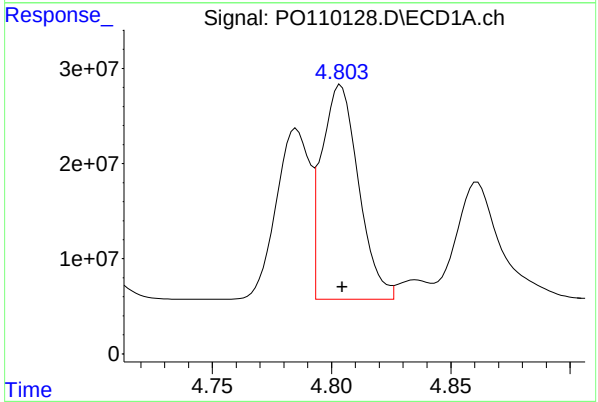
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 175437076
Conc: 521.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD



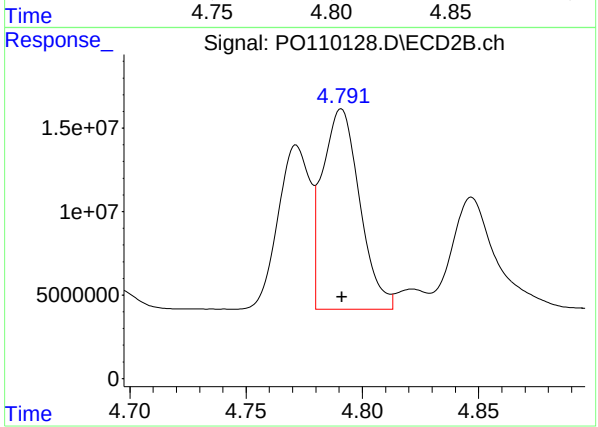
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 93852043
Conc: 512.14 ng/ml



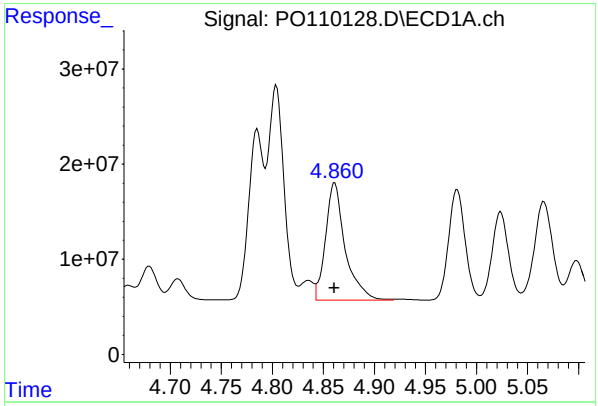
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 243322058
Conc: 524.76 ng/ml



#4 AR-1016-2

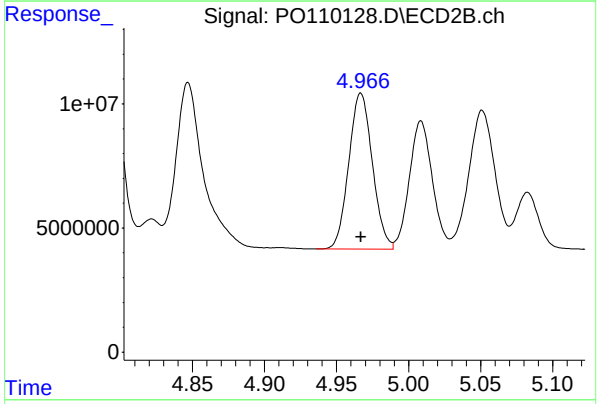
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 134303978
Conc: 513.58 ng/ml



#5 AR-1016-3

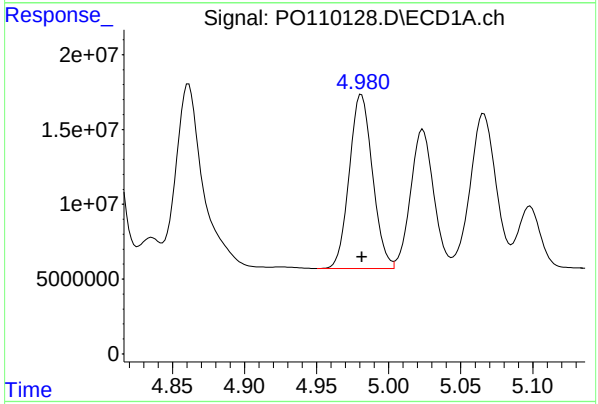
R.T.: 4.861 min
Delta R.T.: 0.000 mi
Response: 164445827
Conc: 512.95 ng/m

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD



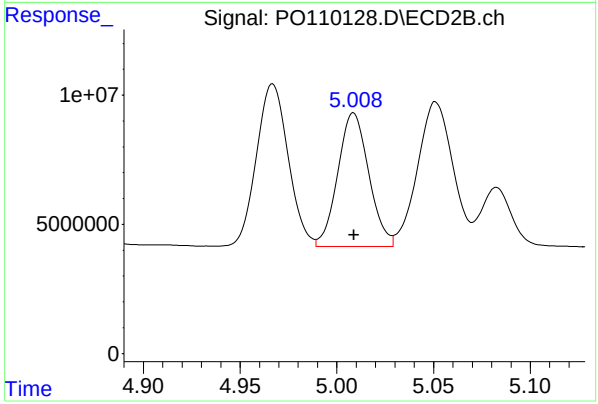
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 71689021
Conc: 505.64 ng/ml



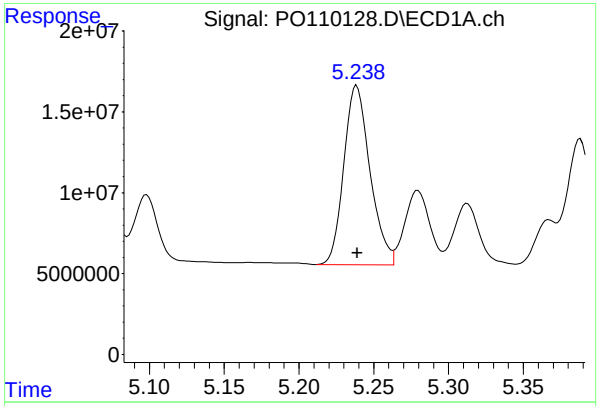
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 130794666
Conc: 517.61 ng/ml



#6 AR-1016-4

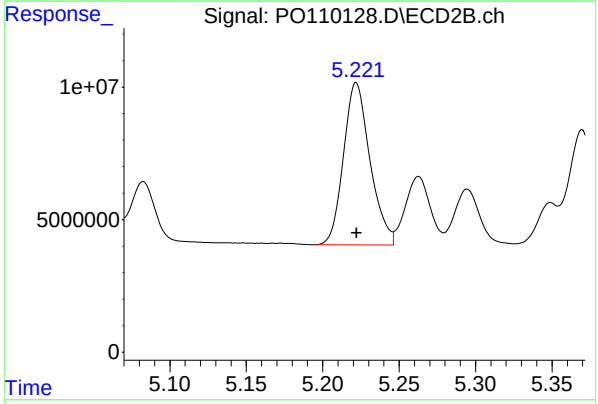
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 57629110
Conc: 488.67 ng/ml



#7 AR-1016-5

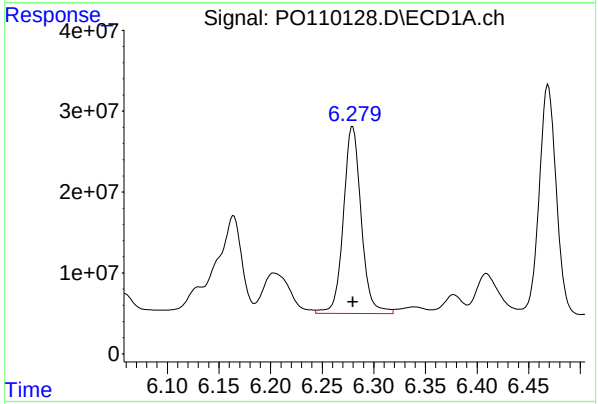
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 135060917
Conc: 491.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD



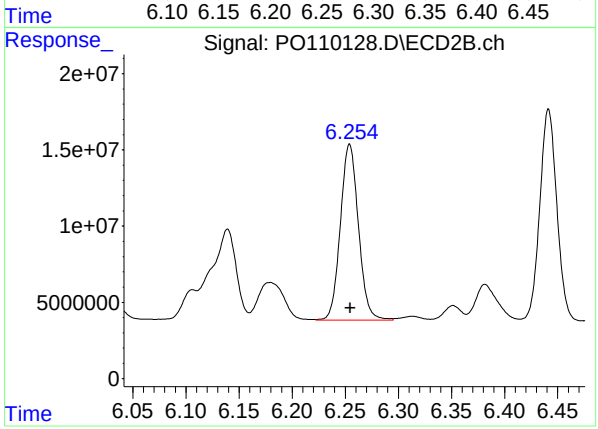
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 74279088
Conc: 485.74 ng/ml



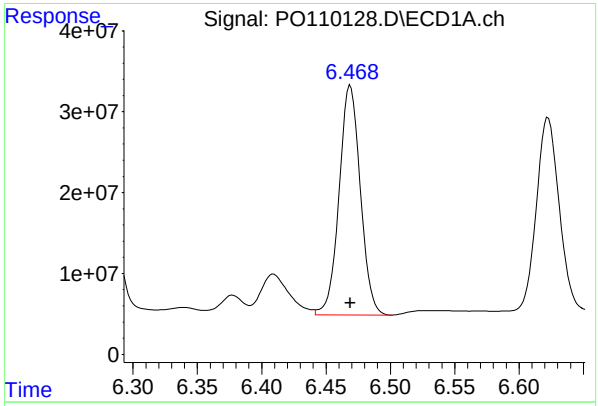
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 278351617
Conc: 590.54 ng/ml



#31 AR-1260-1

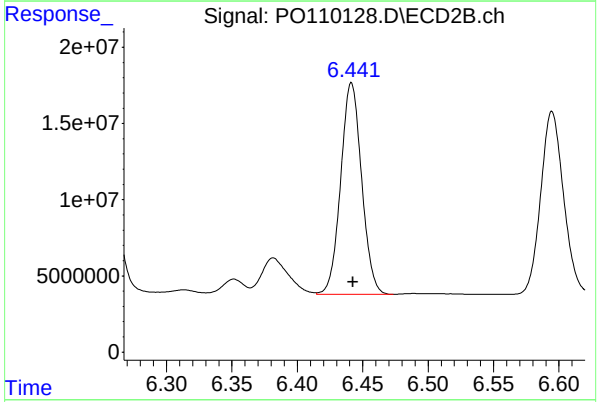
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 136726978
Conc: 535.26 ng/ml



#32 AR-1260-2

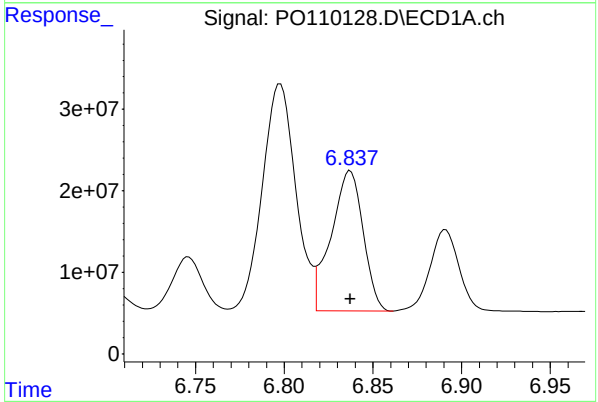
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 326054919
Conc: 547.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD



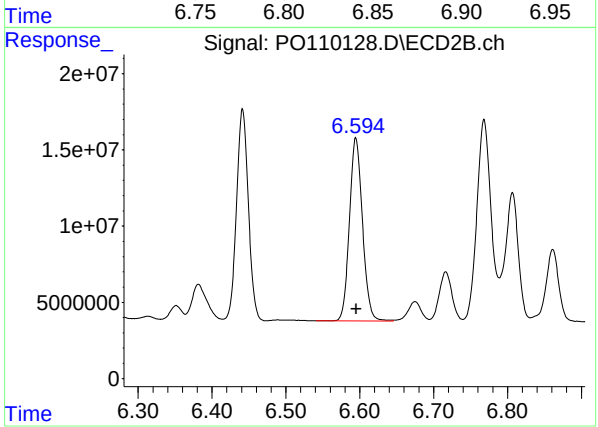
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.001 min
Response: 154652596
Conc: 515.02 ng/ml



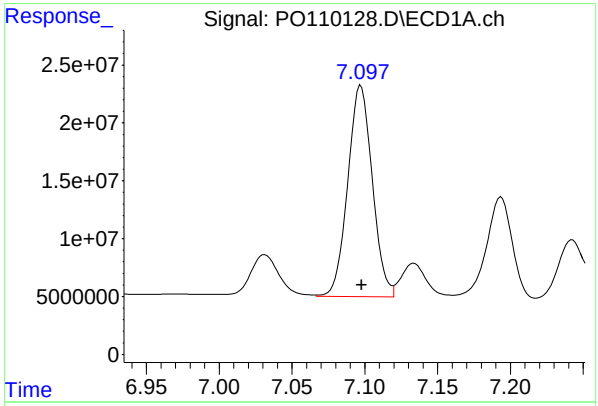
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 216637264
Conc: 446.40 ng/ml



#33 AR-1260-3

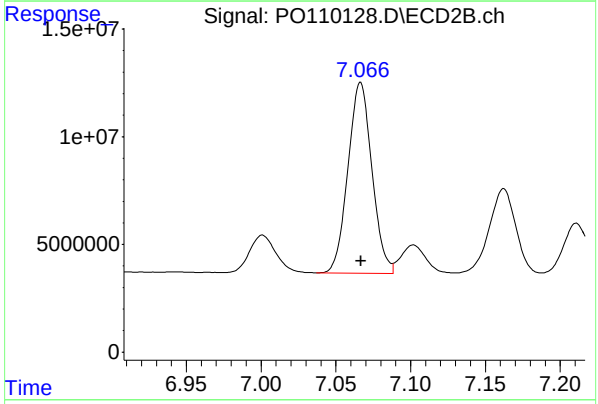
R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 147083707
Conc: 508.97 ng/ml



#34 AR-1260-4

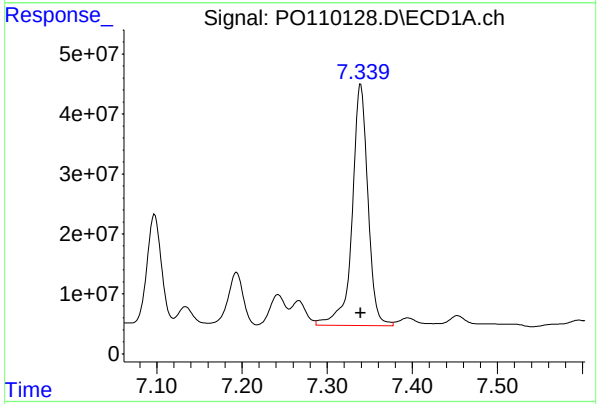
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 214247085
Conc: 505.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
P001-BBDGA-001-01MSD



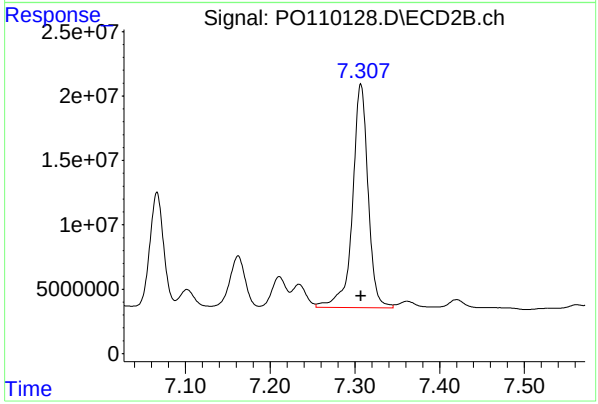
#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 99005661
Conc: 460.32 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 517256696
Conc: 494.58 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 221784954
Conc: 444.73 ng/ml

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Manual Integration Report

Sequence:	PO031925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC750	PO109973.D	AR-1260-5 #2	yogesh	3/19/2025 8:01:07 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1660ICC050	PO109976.D	AR-1260-1	yogesh	3/19/2025 8:01:25 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1660ICC050	PO109976.D	AR-1260-1 #2	yogesh	3/19/2025 8:01:25 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1660ICC050	PO109976.D	AR-1260-3 #2	yogesh	3/19/2025 8:01:25 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-3 #2	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-4	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-5	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-5 #2	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	Tetrachloro-m-xylene	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	Tetrachloro-m-xylene #2	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1248ICC050	PO109988.D	AR-1248-3	yogesh	3/19/2025 8:01:10 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1248ICC050	PO109988.D	AR-1248-4 #2	yogesh	3/19/2025 8:01:10 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1254ICC050	PO109993.D	AR-1254-5 #2	yogesh	3/19/2025 8:01:12 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO031925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PO109997.D	AR-1268-1	yogesh	3/19/2025 8:01:13 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC250	PO109998.D	AR-1268-1	yogesh	3/19/2025 8:01:15 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	AR-1268-1	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	AR-1268-4	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	Tetrachloro-m-xylene	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	Tetrachloro-m-xylene #2	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO033125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO110105.D	AR-1242-2 #2	yogesh	4/1/2025 7:55:17 AM	mohammad	4/2/2025 1:16:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO040125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO110160.D	AR-1016-5	yogesh	4/2/2025 7:51:03 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software
AR1660CCC500	PO110160.D	AR-1016-5 #2	yogesh	4/2/2025 7:51:03 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software
AR1254CCC500	PO110163.D	AR-1254-1	yogesh	4/2/2025 7:51:09 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software
AR1254CCC500	PO110163.D	AR-1254-1 #2	yogesh	4/2/2025 7:51:09 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software
AR1254CCC500	PO110163.D	AR-1254-2	yogesh	4/2/2025 7:51:09 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software
AR1254CCC500	PO110175.D	AR-1254-1	yogesh	4/2/2025 7:50:53 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software
AR1254CCC500	PO110175.D	AR-1254-2	yogesh	4/2/2025 7:50:53 AM	mohammad	4/3/2025 1:37:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP032725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP070920.D	AR-1260-3	yogesh	3/28/2025 7:37:36 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC250	PP070920.D	AR-1260-4	yogesh	3/28/2025 7:37:36 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC250	PP070920.D	AR-1260-5	yogesh	3/28/2025 7:37:36 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC050	PP070921.D	AR-1016-5	yogesh	3/28/2025 7:37:38 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC050	PP070921.D	AR-1260-1	yogesh	3/28/2025 7:37:38 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC050	PP070921.D	AR-1260-3	yogesh	3/28/2025 7:37:38 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC050	PP070921.D	AR-1260-4	yogesh	3/28/2025 7:37:38 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1660ICC050	PP070921.D	AR-1260-5	yogesh	3/28/2025 7:37:38 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1232ICC500	PP070923.D	Decachlorobiphenyl	yogesh	3/28/2025 7:37:40 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-1	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-2	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-2 #2	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-3	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP032725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP070928.D	AR-1242-4	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-4 #2	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-5	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1242ICC050	PP070928.D	AR-1242-5 #2	yogesh	3/28/2025 7:37:42 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1248ICC050	PP070933.D	AR-1248-2	yogesh	3/28/2025 7:37:44 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1248ICC050	PP070933.D	AR-1248-3	yogesh	3/28/2025 7:37:44 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1248ICC050	PP070933.D	AR-1248-4	yogesh	3/28/2025 7:37:44 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1248ICC050	PP070933.D	AR-1248-5	yogesh	3/28/2025 7:37:44 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1254ICC1000	PP070934.D	AR-1254-5	yogesh	3/28/2025 7:37:45 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1254ICC750	PP070935.D	AR-1254-5	yogesh	3/28/2025 7:37:47 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1254ICC250	PP070937.D	AR-1254-5	yogesh	3/28/2025 7:37:48 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1268ICC1000	PP070940.D	AR-1268-1 #2	yogesh	3/28/2025 7:37:50 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1268ICC750	PP070941.D	AR-1268-1 #2	yogesh	3/28/2025 7:37:51 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP032725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PP070942.D	AR-1268-1 #2	yogesh	3/28/2025 7:37:53 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1268ICC250	PP070943.D	AR-1268-1 #2	yogesh	3/28/2025 7:37:55 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1268ICC050	PP070944.D	AR-1268-1 #2	yogesh	3/28/2025 7:37:56 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1268ICC050	PP070944.D	AR-1268-4 #2	yogesh	3/28/2025 7:37:56 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1268ICC050	PP070944.D	Tetrachloro-m-xylene	yogesh	3/28/2025 7:37:56 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software
AR1254ICV500	PP070948.D	AR-1254-5	yogesh	3/28/2025 7:37:58 AM	mohammad	3/31/2025 1:17:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP033125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP071012.D	AR-1242-5	yogesh	4/1/2025 7:54:47 AM	mohammad	4/7/2025 2:14:08	Peak Integrated by Software
AR1660CCC500	PP071018.D	AR-1016-2	yogesh	4/5/2025 8:51:48 AM	mohammad	4/7/2025 2:14:08	Peak Integrated by Software
AR1248CCC500	PP071020.D	Decachlorobiphenyl	yogesh	4/1/2025 7:54:51 AM	mohammad	4/7/2025 2:14:08	Peak Integrated by Software
Q1664-20	PP071025.D	Tetrachloro-m-xylene	yogesh	4/1/2025 7:54:53 AM	mohammad	4/7/2025 2:14:08	Peak Integrated by Software
Q1664-20	PP071025.D	Tetrachloro-m-xylene #2	yogesh	4/1/2025 7:54:53 AM	mohammad	4/7/2025 2:14:08	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM		
SubDirectory	PO031925	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109970.D	18 Mar 2025 13:26	YP/AJ	Ok
2	I.BLK	PO109971.D	18 Mar 2025 13:44	YP/AJ	Ok
3	AR1660ICC1000	PO109972.D	18 Mar 2025 14:03	YP/AJ	Ok
4	AR1660ICC750	PO109973.D	18 Mar 2025 14:21	YP/AJ	Ok,M
5	AR1660ICC500	PO109974.D	18 Mar 2025 14:39	YP/AJ	Ok
6	AR1660ICC250	PO109975.D	18 Mar 2025 14:58	YP/AJ	Ok
7	AR1660ICC050	PO109976.D	18 Mar 2025 15:16	YP/AJ	Ok,M
8	AR1221ICC500	PO109977.D	18 Mar 2025 15:34	YP/AJ	Ok
9	AR1232ICC500	PO109978.D	18 Mar 2025 15:53	YP/AJ	Ok
10	AR1242ICC1000	PO109979.D	18 Mar 2025 16:11	YP/AJ	Ok
11	AR1242ICC750	PO109980.D	18 Mar 2025 16:30	YP/AJ	Ok
12	AR1242ICC500	PO109981.D	18 Mar 2025 16:48	YP/AJ	Ok
13	AR1242ICC250	PO109982.D	18 Mar 2025 17:06	YP/AJ	Ok
14	AR1242ICC050	PO109983.D	18 Mar 2025 17:25	YP/AJ	Ok,M
15	AR1248ICC1000	PO109984.D	18 Mar 2025 17:42	YP/AJ	Ok
16	AR1248ICC750	PO109985.D	18 Mar 2025 18:00	YP/AJ	Ok
17	AR1248ICC500	PO109986.D	18 Mar 2025 18:19	YP/AJ	Ok
18	AR1248ICC250	PO109987.D	18 Mar 2025 18:37	YP/AJ	Ok
19	AR1248ICC050	PO109988.D	18 Mar 2025 18:54	YP/AJ	Ok,M
20	AR1254ICC1000	PO109989.D	18 Mar 2025 19:13	YP/AJ	Ok
21	AR1254ICC750	PO109990.D	18 Mar 2025 19:31	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM		
SubDirectory	PO031925	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109991.D	18 Mar 2025 19:49	YP/AJ	Ok
23	AR1254ICC250	PO109992.D	18 Mar 2025 20:07	YP/AJ	Ok
24	AR1254ICC050	PO109993.D	18 Mar 2025 20:25	YP/AJ	Ok,M
25	AR1262ICC500	PO109994.D	18 Mar 2025 20:43	YP/AJ	Ok
26	AR1268ICC1000	PO109995.D	18 Mar 2025 21:02	YP/AJ	Ok
27	AR1268ICC750	PO109996.D	18 Mar 2025 21:20	YP/AJ	Ok
28	AR1268ICC500	PO109997.D	18 Mar 2025 21:39	YP/AJ	Ok,M
29	AR1268ICC250	PO109998.D	18 Mar 2025 21:57	YP/AJ	Ok,M
30	AR1268ICC050	PO109999.D	18 Mar 2025 22:15	YP/AJ	Ok,M
31	PO031925ICV500	PO110000.D	18 Mar 2025 22:34	YP/AJ	Ok
32	AR1242ICV500	PO110001.D	18 Mar 2025 23:47	YP/AJ	Ok
33	AR1248ICV500	PO110002.D	19 Mar 2025 00:05	YP/AJ	Ok
34	AR1254ICV500	PO110003.D	19 Mar 2025 00:24	YP/AJ	Ok
35	AR1268ICV500	PO110004.D	19 Mar 2025 00:42	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO033125

Review By	yogesh	Review On	3/31/2025 12:31:49 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:21 AM		
SubDirectory	PO033125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110103.D	31 Mar 2025 09:18	YP/AJ	Ok
2	AR1660CCC500	PO110104.D	31 Mar 2025 09:36	YP/AJ	Ok
3	AR1242CCC500	PO110105.D	31 Mar 2025 09:53	YP/AJ	Ok,M
4	AR1248CCC500	PO110106.D	31 Mar 2025 10:12	YP/AJ	Ok
5	AR1254CCC500	PO110107.D	31 Mar 2025 11:19	YP/AJ	Ok
6	I.BLK	PO110108.D	31 Mar 2025 11:37	YP/AJ	Ok
7	PB167378BL	PO110109.D	31 Mar 2025 13:03	YP/AJ	Not Ok
8	PB167378BS	PO110110.D	31 Mar 2025 13:22	YP/AJ	Ok
9	Q1672-01	PO110111.D	31 Mar 2025 13:40	YP/AJ	Ok
10	Q1674-01	PO110112.D	31 Mar 2025 13:57	YP/AJ	Ok
11	Q1674-03	PO110113.D	31 Mar 2025 14:16	YP/AJ	Ok
12	Q1674-03MS	PO110114.D	31 Mar 2025 14:33	YP/AJ	Ok,M
13	Q1674-03MSD	PO110115.D	31 Mar 2025 14:51	YP/AJ	Ok,M
14	Q1678-01	PO110116.D	31 Mar 2025 15:10	YP/AJ	Ok,M
15	Q1678-02	PO110117.D	31 Mar 2025 15:28	YP/AJ	Ok,M
16	AR1660CCC500	PO110118.D	31 Mar 2025 16:29	YP/AJ	Ok
17	AR1242CCC500	PO110119.D	31 Mar 2025 16:47	YP/AJ	Ok
18	AR1248CCC500	PO110120.D	31 Mar 2025 17:05	YP/AJ	Ok
19	AR1254CCC500	PO110121.D	31 Mar 2025 17:23	YP/AJ	Ok
20	I.BLK	PO110122.D	31 Mar 2025 17:41	YP/AJ	Ok
21	PB167394BL	PO110123.D	31 Mar 2025 17:59	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO033125

Review By	yogesh	Review On	3/31/2025 12:31:49 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:21 AM		
SubDirectory	PO033125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB167394BS	PO110124.D	31 Mar 2025 18:18	YP/AJ	Ok
23	PB167394TB	PO110125.D	31 Mar 2025 18:36	YP/AJ	Ok
24	Q1664-04	PO110126.D	31 Mar 2025 18:54	YP/AJ	Ok
25	Q1664-05MS	PO110127.D	31 Mar 2025 19:13	YP/AJ	Ok
26	Q1664-06MSD	PO110128.D	31 Mar 2025 19:31	YP/AJ	Ok
27	Q1664-08	PO110129.D	31 Mar 2025 19:48	YP/AJ	Ok
28	Q1664-10	PO110130.D	31 Mar 2025 20:07	YP/AJ	Ok
29	Q1664-12	PO110131.D	31 Mar 2025 20:25	YP/AJ	Ok
30	Q1664-14	PO110132.D	31 Mar 2025 20:44	YP/AJ	Ok
31	AR1660CCC500	PO110133.D	31 Mar 2025 21:45	YP/AJ	Ok
32	AR1242CCC500	PO110134.D	31 Mar 2025 22:40	YP/AJ	Ok
33	AR1248CCC500	PO110135.D	31 Mar 2025 22:58	YP/AJ	Ok
34	AR1254CCC500	PO110136.D	31 Mar 2025 23:17	YP/AJ	Ok
35	I.BLK	PO110137.D	31 Mar 2025 23:35	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO040125

Review By	yogesh	Review On	4/1/2025 10:13:37 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:29 AM		
SubDirectory	PO040125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110138.D	01 Apr 2025 08:20	YP/AJ	Ok
2	AR1660CCC500	PO110139.D	01 Apr 2025 08:58	YP/AJ	Ok
3	AR1242CCC500	PO110140.D	01 Apr 2025 09:17	YP/AJ	Ok
4	AR1248CCC500	PO110141.D	01 Apr 2025 09:35	YP/AJ	Ok
5	AR1254CCC500	PO110142.D	01 Apr 2025 09:53	YP/AJ	Ok
6	I,BLK	PO110143.D	01 Apr 2025 10:12	YP/AJ	Ok
7	PB167378BL	PO110144.D	01 Apr 2025 10:30	YP/AJ	Ok
8	Q1664-18	PO110145.D	01 Apr 2025 10:48	YP/AJ	Ok
9	Q1664-22	PO110146.D	01 Apr 2025 11:07	YP/AJ	Ok
10	AR1660CCC500	PO110147.D	01 Apr 2025 13:47	YP/AJ	Ok
11	AR1242CCC500	PO110148.D	01 Apr 2025 14:06	YP/AJ	Ok
12	AR1248CCC500	PO110149.D	01 Apr 2025 14:24	YP/AJ	Ok
13	AR1254CCC500	PO110150.D	01 Apr 2025 14:42	YP/AJ	Ok
14	I,BLK	PO110151.D	01 Apr 2025 15:01	YP/AJ	Ok
15	PB167404BL	PO110152.D	01 Apr 2025 15:19	YP/AJ	Ok
16	PB167404BS	PO110153.D	01 Apr 2025 15:37	YP/AJ	Ok
17	Q1679-01	PO110154.D	01 Apr 2025 15:56	YP/AJ	Ok
18	Q1679-05	PO110155.D	01 Apr 2025 16:14	YP/AJ	Ok
19	Q1680-01	PO110156.D	01 Apr 2025 16:33	YP/AJ	Ok
20	Q1680-01MS	PO110157.D	01 Apr 2025 16:51	YP/AJ	Ok
21	Q1680-01MSD	PO110158.D	01 Apr 2025 17:09	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO040125

Review By	yogesh	Review On	4/1/2025 10:13:37 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:29 AM		
SubDirectory	PO040125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1681-01	PO110159.D	01 Apr 2025 17:28	YP/AJ	Ok
23	AR1660CCC500	PO110160.D	01 Apr 2025 18:29	YP/AJ	Ok,M
24	AR1242CCC500	PO110161.D	01 Apr 2025 19:23	YP/AJ	Ok
25	AR1248CCC500	PO110162.D	01 Apr 2025 19:41	YP/AJ	Ok
26	AR1254CCC500	PO110163.D	01 Apr 2025 19:58	YP/AJ	Ok,M
27	I,BLK	PO110164.D	01 Apr 2025 20:17	YP/AJ	Ok
28	PB167418BL	PO110165.D	01 Apr 2025 20:35	YP/AJ	Ok
29	PB167418BS	PO110166.D	01 Apr 2025 20:54	YP/AJ	Ok
30	Q1687-01	PO110167.D	01 Apr 2025 21:12	YP/AJ	Ok,M
31	Q1688-01	PO110168.D	01 Apr 2025 21:30	YP/AJ	Ok
32	Q1692-01	PO110169.D	01 Apr 2025 21:49	YP/AJ	Ok,M
33	Q1692-01MS	PO110170.D	01 Apr 2025 22:07	YP/AJ	Ok
34	Q1692-01MSD	PO110171.D	01 Apr 2025 22:25	YP/AJ	Ok
35	AR1660CCC500	PO110172.D	02 Apr 2025 00:03	YP/AJ	Ok
36	AR1242CCC500	PO110173.D	02 Apr 2025 00:21	YP/AJ	Ok
37	AR1248CCC500	PO110174.D	02 Apr 2025 00:40	YP/AJ	Ok
38	AR1254CCC500	PO110175.D	02 Apr 2025 00:58	YP/AJ	Ok,M
39	I,BLK	PO110176.D	02 Apr 2025 01:16	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

Review By	yogesh	Review On	3/27/2025 12:19:10 PM		
Supervise By	mohammad	Supervise On	3/31/2025 1:17:13 AM		
SubDirectory	PP032725	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070915.D	27 Mar 2025 09:58	YP\AJ	Ok
2	I.BLK	PP070916.D	27 Mar 2025 10:14	YP\AJ	Ok
3	AR1660ICC1000	PP070917.D	27 Mar 2025 10:30	YP\AJ	Ok
4	AR1660ICC750	PP070918.D	27 Mar 2025 10:47	YP\AJ	Ok
5	AR1660ICC500	PP070919.D	27 Mar 2025 11:03	YP\AJ	Ok
6	AR1660ICC250	PP070920.D	27 Mar 2025 11:19	YP\AJ	Ok,M
7	AR1660ICC050	PP070921.D	27 Mar 2025 11:35	YP\AJ	Ok,M
8	AR1221ICC500	PP070922.D	27 Mar 2025 11:52	YP\AJ	Ok
9	AR1232ICC500	PP070923.D	27 Mar 2025 12:11	YP\AJ	Ok,M
10	AR1242ICC1000	PP070924.D	27 Mar 2025 12:28	YP\AJ	Ok
11	AR1242ICC750	PP070925.D	27 Mar 2025 12:44	YP\AJ	Ok
12	AR1242ICC500	PP070926.D	27 Mar 2025 13:00	YP\AJ	Ok
13	AR1242ICC250	PP070927.D	27 Mar 2025 13:16	YP\AJ	Ok
14	AR1242ICC050	PP070928.D	27 Mar 2025 13:33	YP\AJ	Ok,M
15	AR1248ICC1000	PP070929.D	27 Mar 2025 13:49	YP\AJ	Ok
16	AR1248ICC750	PP070930.D	27 Mar 2025 14:05	YP\AJ	Ok
17	AR1248ICC500	PP070931.D	27 Mar 2025 14:22	YP\AJ	Ok
18	AR1248ICC250	PP070932.D	27 Mar 2025 14:38	YP\AJ	Ok
19	AR1248ICC050	PP070933.D	27 Mar 2025 14:55	YP\AJ	Ok,M
20	AR1254ICC1000	PP070934.D	27 Mar 2025 15:11	YP\AJ	Ok,M
21	AR1254ICC750	PP070935.D	27 Mar 2025 15:27	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

Review By	yogesh	Review On	3/27/2025 12:19:10 PM		
Supervise By	mohammad	Supervise On	3/31/2025 1:17:13 AM		
SubDirectory	PP032725	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP070936.D	27 Mar 2025 15:43	YP\AJ	Ok
23	AR1254ICC250	PP070937.D	27 Mar 2025 16:00	YP\AJ	Ok,M
24	AR1254ICC050	PP070938.D	27 Mar 2025 16:16	YP\AJ	Ok
25	AR1262ICC500	PP070939.D	27 Mar 2025 16:32	YP\AJ	Ok
26	AR1268ICC1000	PP070940.D	27 Mar 2025 16:48	YP\AJ	Ok,M
27	AR1268ICC750	PP070941.D	27 Mar 2025 17:05	YP\AJ	Ok,M
28	AR1268ICC500	PP070942.D	27 Mar 2025 17:21	YP\AJ	Ok,M
29	AR1268ICC250	PP070943.D	27 Mar 2025 17:37	YP\AJ	Ok,M
30	AR1268ICC050	PP070944.D	27 Mar 2025 17:53	YP\AJ	Ok,M
31	PP032725ICV500	PP070945.D	27 Mar 2025 18:26	YP\AJ	Ok
32	AR1242ICV500	PP070946.D	27 Mar 2025 18:42	YP\AJ	Ok
33	AR1248ICV500	PP070947.D	27 Mar 2025 19:15	YP\AJ	Ok
34	AR1254ICV500	PP070948.D	27 Mar 2025 19:47	YP\AJ	Ok,M
35	AR1268ICV500	PP070949.D	27 Mar 2025 20:20	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP033125

Review By	yogesh	Review On	3/31/2025 10:58:52 AM		
Supervise By	mohammad	Supervise On	4/7/2025 2:14:08 AM		
SubDirectory	PP033125	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP071010.D	31 Mar 2025 09:14	YP\AJ	Ok
2	AR1660CCC500	PP071011.D	31 Mar 2025 09:47	YP\AJ	Ok
3	AR1242CCC500	PP071012.D	31 Mar 2025 10:04	YP\AJ	Ok,M
4	AR1248CCC500	PP071013.D	31 Mar 2025 10:24	YP\AJ	Ok
5	AR1254CCC500	PP071014.D	31 Mar 2025 10:41	YP\AJ	Ok
6	I.BLK	PP071015.D	31 Mar 2025 10:58	YP\AJ	Ok
7	Q1656-01DL	PP071016.D	31 Mar 2025 11:14	YP\AJ	Ok,M
8	Q1677-02	PP071017.D	31 Mar 2025 11:31	YP\AJ	Ok,M
9	AR1660CCC500	PP071018.D	31 Mar 2025 12:03	YP\AJ	Ok,M
10	AR1242CCC500	PP071019.D	31 Mar 2025 12:20	YP\AJ	Ok
11	AR1248CCC500	PP071020.D	31 Mar 2025 12:36	YP\AJ	Ok,M
12	AR1254CCC500	PP071021.D	31 Mar 2025 12:52	YP\AJ	Ok
13	I.BLK	PP071022.D	31 Mar 2025 13:09	YP\AJ	Ok
14	Q1664-16	PP071023.D	31 Mar 2025 17:02	YP\AJ	Ok
15	Q1664-18	PP071024.D	31 Mar 2025 17:19	YP\AJ	ReRun
16	Q1664-20	PP071025.D	31 Mar 2025 17:35	YP\AJ	Ok,M
17	Q1664-22	PP071026.D	31 Mar 2025 17:51	YP\AJ	ReRun
18	AR1660CCC500	PP071027.D	31 Mar 2025 19:02	YP\AJ	Ok
19	AR1242CCC500	PP071028.D	31 Mar 2025 19:50	YP\AJ	Ok
20	AR1248CCC500	PP071029.D	31 Mar 2025 20:07	YP\AJ	Ok
21	AR1254CCC500	PP071030.D	31 Mar 2025 20:23	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP033125

Review By	yogesh	Review On	3/31/2025 10:58:52 AM		
Supervise By	mohammad	Supervise On	4/7/2025 2:14:08 AM		
SubDirectory	PP033125	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	PP071031.D	31 Mar 2025 20:39	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM		
SubDirectory	PO031925	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109970.D	18 Mar 2025 13:26		YP/AJ	Ok
2	I.BLK	I.BLK	PO109971.D	18 Mar 2025 13:44		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO109972.D	18 Mar 2025 14:03		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO109973.D	18 Mar 2025 14:21		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO109974.D	18 Mar 2025 14:39		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO109975.D	18 Mar 2025 14:58		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO109976.D	18 Mar 2025 15:16		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO109977.D	18 Mar 2025 15:34		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO109978.D	18 Mar 2025 15:53		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO109979.D	18 Mar 2025 16:11		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO109980.D	18 Mar 2025 16:30		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO109981.D	18 Mar 2025 16:48		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO109982.D	18 Mar 2025 17:06		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO109983.D	18 Mar 2025 17:25		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO109984.D	18 Mar 2025 17:42		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO109985.D	18 Mar 2025 18:00		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO109986.D	18 Mar 2025 18:19		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO109987.D	18 Mar 2025 18:37		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM		
SubDirectory	PO031925	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO109988.D	18 Mar 2025 18:54		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO109989.D	18 Mar 2025 19:13		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109990.D	18 Mar 2025 19:31		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109991.D	18 Mar 2025 19:49		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109992.D	18 Mar 2025 20:07		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109993.D	18 Mar 2025 20:25		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO109994.D	18 Mar 2025 20:43		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109995.D	18 Mar 2025 21:02		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109996.D	18 Mar 2025 21:20		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109997.D	18 Mar 2025 21:39		YP/AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PO109998.D	18 Mar 2025 21:57		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO109999.D	18 Mar 2025 22:15		YP/AJ	Ok,M
31	PO031925ICV500	ICVPO031925	PO110000.D	18 Mar 2025 22:34		YP/AJ	Ok
32	AR1242ICV500	ICVPO031925AR1242	PO110001.D	18 Mar 2025 23:47		YP/AJ	Ok
33	AR1248ICV500	ICVPO031925AR1248	PO110002.D	19 Mar 2025 00:05		YP/AJ	Ok
34	AR1254ICV500	ICVPO031925AR1254	PO110003.D	19 Mar 2025 00:24		YP/AJ	Ok
35	AR1268ICV500	ICVPO031925AR1268	PO110004.D	19 Mar 2025 00:42		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO033125

Review By	yogesh	Review On	3/31/2025 12:31:49 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:21 AM		
SubDirectory	PO033125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110103.D	31 Mar 2025 09:18		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO110104.D	31 Mar 2025 09:36		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO110105.D	31 Mar 2025 09:53		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO110106.D	31 Mar 2025 10:12		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO110107.D	31 Mar 2025 11:19		YP/AJ	Ok
6	I.BLK	I.BLK	PO110108.D	31 Mar 2025 11:37		YP/AJ	Ok
7	PB167378BL	PB167378BL	PO110109.D	31 Mar 2025 13:03	chromatogram not well	YP/AJ	Not Ok
8	PB167378BS	PB167378BS	PO110110.D	31 Mar 2025 13:22		YP/AJ	Ok
9	Q1672-01	TP-8	PO110111.D	31 Mar 2025 13:40		YP/AJ	Ok
10	Q1674-01	RT5358	PO110112.D	31 Mar 2025 13:57		YP/AJ	Ok
11	Q1674-03	72-11991	PO110113.D	31 Mar 2025 14:16		YP/AJ	Ok
12	Q1674-03MS	72-11991MS	PO110114.D	31 Mar 2025 14:33		YP/AJ	Ok,M
13	Q1674-03MSD	72-11991MSD	PO110115.D	31 Mar 2025 14:51		YP/AJ	Ok,M
14	Q1678-01	MOO-25-0082	PO110116.D	31 Mar 2025 15:10	AR1260 Hit	YP/AJ	Ok,M
15	Q1678-02	MOO-25-0086-87-88	PO110117.D	31 Mar 2025 15:28		YP/AJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PO110118.D	31 Mar 2025 16:29		YP/AJ	Ok
17	AR1242CCC500	AR1242CCC500	PO110119.D	31 Mar 2025 16:47		YP/AJ	Ok
18	AR1248CCC500	AR1248CCC500	PO110120.D	31 Mar 2025 17:05		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO033125

Review By	yogesh	Review On	3/31/2025 12:31:49 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:21 AM		
SubDirectory	PO033125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1254CCC500	AR1254CCC500	PO110121.D	31 Mar 2025 17:23		YP/AJ	Ok
20	I.BLK	I.BLK	PO110122.D	31 Mar 2025 17:41		YP/AJ	Ok
21	PB167394BL	PB167394BL	PO110123.D	31 Mar 2025 17:59		YP/AJ	Ok
22	PB167394BS	PB167394BS	PO110124.D	31 Mar 2025 18:18		YP/AJ	Ok
23	PB167394TB	PB167394TB	PO110125.D	31 Mar 2025 18:36		YP/AJ	Ok
24	Q1664-04	P001-BBDGA-001-01	PO110126.D	31 Mar 2025 18:54		YP/AJ	Ok
25	Q1664-05MS	P001-BBDGA-001-01M	PO110127.D	31 Mar 2025 19:13		YP/AJ	Ok
26	Q1664-06MSD	P001-BBDGA-001-01M	PO110128.D	31 Mar 2025 19:31		YP/AJ	Ok
27	Q1664-08	P001-BBDGA-001-02	PO110129.D	31 Mar 2025 19:48		YP/AJ	Ok
28	Q1664-10	P001-BBDGA-002-01	PO110130.D	31 Mar 2025 20:07		YP/AJ	Ok
29	Q1664-12	P001-BBDGA-003-01	PO110131.D	31 Mar 2025 20:25		YP/AJ	Ok
30	Q1664-14	P001-BBDGA-004-01	PO110132.D	31 Mar 2025 20:44		YP/AJ	Ok
31	AR1660CCC500	AR1660CCC500	PO110133.D	31 Mar 2025 21:45		YP/AJ	Ok
32	AR1242CCC500	AR1242CCC500	PO110134.D	31 Mar 2025 22:40		YP/AJ	Ok
33	AR1248CCC500	AR1248CCC500	PO110135.D	31 Mar 2025 22:58		YP/AJ	Ok
34	AR1254CCC500	AR1254CCC500	PO110136.D	31 Mar 2025 23:17		YP/AJ	Ok
35	I.BLK	I.BLK	PO110137.D	31 Mar 2025 23:35		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO040125

Review By	yogesh	Review On	4/1/2025 10:13:37 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:29 AM		
SubDirectory	PO040125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110138.D	01 Apr 2025 08:20		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO110139.D	01 Apr 2025 08:58		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO110140.D	01 Apr 2025 09:17		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO110141.D	01 Apr 2025 09:35		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO110142.D	01 Apr 2025 09:53		YP/AJ	Ok
6	I,BLK	I,BLK	PO110143.D	01 Apr 2025 10:12		YP/AJ	Ok
7	PB167378BL	PB167378BL	PO110144.D	01 Apr 2025 10:30		YP/AJ	Ok
8	Q1664-18	P001-BBDGA-006-01	PO110145.D	01 Apr 2025 10:48		YP/AJ	Ok
9	Q1664-22	P001-BBDGA-008-01	PO110146.D	01 Apr 2025 11:07		YP/AJ	Ok
10	AR1660CCC500	AR1660CCC500	PO110147.D	01 Apr 2025 13:47		YP/AJ	Ok
11	AR1242CCC500	AR1242CCC500	PO110148.D	01 Apr 2025 14:06		YP/AJ	Ok
12	AR1248CCC500	AR1248CCC500	PO110149.D	01 Apr 2025 14:24		YP/AJ	Ok
13	AR1254CCC500	AR1254CCC500	PO110150.D	01 Apr 2025 14:42		YP/AJ	Ok
14	I,BLK	I,BLK	PO110151.D	01 Apr 2025 15:01		YP/AJ	Ok
15	PB167404BL	PB167404BL	PO110152.D	01 Apr 2025 15:19		YP/AJ	Ok
16	PB167404BS	PB167404BS	PO110153.D	01 Apr 2025 15:37		YP/AJ	Ok
17	Q1679-01	TP-10	PO110154.D	01 Apr 2025 15:56		YP/AJ	Ok
18	Q1679-05	TP-9	PO110155.D	01 Apr 2025 16:14		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO040125

Review By	yogesh	Review On	4/1/2025 10:13:37 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:29 AM		
SubDirectory	PO040125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1680-01	TP-4	PO110156.D	01 Apr 2025 16:33		YP/AJ	Ok
20	Q1680-01MS	TP-4MS	PO110157.D	01 Apr 2025 16:51		YP/AJ	Ok
21	Q1680-01MSD	TP-4MSD	PO110158.D	01 Apr 2025 17:09		YP/AJ	Ok
22	Q1681-01	TP-12	PO110159.D	01 Apr 2025 17:28		YP/AJ	Ok
23	AR1660CCC500	AR1660CCC500	PO110160.D	01 Apr 2025 18:29		YP/AJ	Ok,M
24	AR1242CCC500	AR1242CCC500	PO110161.D	01 Apr 2025 19:23		YP/AJ	Ok
25	AR1248CCC500	AR1248CCC500	PO110162.D	01 Apr 2025 19:41		YP/AJ	Ok
26	AR1254CCC500	AR1254CCC500	PO110163.D	01 Apr 2025 19:58		YP/AJ	Ok,M
27	I,BLK	I,BLK	PO110164.D	01 Apr 2025 20:17		YP/AJ	Ok
28	PB167418BL	PB167418BL	PO110165.D	01 Apr 2025 20:35		YP/AJ	Ok
29	PB167418BS	PB167418BS	PO110166.D	01 Apr 2025 20:54		YP/AJ	Ok
30	Q1687-01	72-12016	PO110167.D	01 Apr 2025 21:12		YP/AJ	Ok,M
31	Q1688-01	OR-02-040125	PO110168.D	01 Apr 2025 21:30		YP/AJ	Ok
32	Q1692-01	NB-08-04012025	PO110169.D	01 Apr 2025 21:49	AR1242 Hit	YP/AJ	Ok,M
33	Q1692-01MS	NB-08-04012025MS	PO110170.D	01 Apr 2025 22:07		YP/AJ	Ok
34	Q1692-01MSD	NB-08-04012025MSD	PO110171.D	01 Apr 2025 22:25		YP/AJ	Ok
35	AR1660CCC500	AR1660CCC500	PO110172.D	02 Apr 2025 00:03		YP/AJ	Ok
36	AR1242CCC500	AR1242CCC500	PO110173.D	02 Apr 2025 00:21		YP/AJ	Ok
37	AR1248CCC500	AR1248CCC500	PO110174.D	02 Apr 2025 00:40		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO040125

Review By	yogesh	Review On	4/1/2025 10:13:37 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:29 AM		
SubDirectory	PO040125	HP Acquire Method		HP Processing Method	PO031925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1254CCC500	AR1254CCC500	PO110175.D	02 Apr 2025 00:58		YP/AJ	Ok,M
39	I,BLK	I,BLK	PO110176.D	02 Apr 2025 01:16		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

Review By	yogesh	Review On	3/27/2025 12:19:10 PM		
Supervise By	mohammad	Supervise On	3/31/2025 1:17:13 AM		
SubDirectory	PP032725	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070915.D	27 Mar 2025 09:58		YP\AJ	Ok
2	I.BLK	I.BLK	PP070916.D	27 Mar 2025 10:14		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP070917.D	27 Mar 2025 10:30		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP070918.D	27 Mar 2025 10:47		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP070919.D	27 Mar 2025 11:03		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP070920.D	27 Mar 2025 11:19		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP070921.D	27 Mar 2025 11:35		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070922.D	27 Mar 2025 11:52		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP070923.D	27 Mar 2025 12:11		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP070924.D	27 Mar 2025 12:28		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP070925.D	27 Mar 2025 12:44		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP070926.D	27 Mar 2025 13:00		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP070927.D	27 Mar 2025 13:16		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP070928.D	27 Mar 2025 13:33		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP070929.D	27 Mar 2025 13:49		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP070930.D	27 Mar 2025 14:05		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP070931.D	27 Mar 2025 14:22		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP070932.D	27 Mar 2025 14:38		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

Review By	yogesh	Review On	3/27/2025 12:19:10 PM		
Supervise By	mohammad	Supervise On	3/31/2025 1:17:13 AM		
SubDirectory	PP032725	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP070933.D	27 Mar 2025 14:55		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP070934.D	27 Mar 2025 15:11		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP070935.D	27 Mar 2025 15:27		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP070936.D	27 Mar 2025 15:43		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP070937.D	27 Mar 2025 16:00		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP070938.D	27 Mar 2025 16:16		YP\AJ	Ok
25	AR1262ICC500	AR1262ICC500	PP070939.D	27 Mar 2025 16:32		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP070940.D	27 Mar 2025 16:48		YP\AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP070941.D	27 Mar 2025 17:05		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP070942.D	27 Mar 2025 17:21		YP\AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP070943.D	27 Mar 2025 17:37		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP070944.D	27 Mar 2025 17:53		YP\AJ	Ok,M
31	PP032725ICV500	ICVPP032725	PP070945.D	27 Mar 2025 18:26		YP\AJ	Ok
32	AR1242ICV500	ICVPP032725AR1242	PP070946.D	27 Mar 2025 18:42		YP\AJ	Ok
33	AR1248ICV500	ICVPP032725AR1248	PP070947.D	27 Mar 2025 19:15		YP\AJ	Ok
34	AR1254ICV500	ICVPP032725AR1254	PP070948.D	27 Mar 2025 19:47		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP032725AR1268	PP070949.D	27 Mar 2025 20:20		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP033125

Review By	yogesh	Review On	3/31/2025 10:58:52 AM		
Supervise By	mohammad	Supervise On	4/7/2025 2:14:08 AM		
SubDirectory	PP033125	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP071010.D	31 Mar 2025 09:14		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP071011.D	31 Mar 2025 09:47		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP071012.D	31 Mar 2025 10:04		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP071013.D	31 Mar 2025 10:24		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP071014.D	31 Mar 2025 10:41		YP\AJ	Ok
6	I.BLK	I.BLK	PP071015.D	31 Mar 2025 10:58		YP\AJ	Ok
7	Q1656-01DL	VNJ239DL	PP071016.D	31 Mar 2025 11:14	AR1260 Hit	YP\AJ	Ok,M
8	Q1677-02	JEI299N-1-2	PP071017.D	31 Mar 2025 11:31	DCB high 1st column	YP\AJ	Ok,M
9	AR1660CCC500	AR1660CCC500	PP071018.D	31 Mar 2025 12:03		YP\AJ	Ok,M
10	AR1242CCC500	AR1242CCC500	PP071019.D	31 Mar 2025 12:20		YP\AJ	Ok
11	AR1248CCC500	AR1248CCC500	PP071020.D	31 Mar 2025 12:36		YP\AJ	Ok,M
12	AR1254CCC500	AR1254CCC500	PP071021.D	31 Mar 2025 12:52		YP\AJ	Ok
13	I.BLK	I.BLK	PP071022.D	31 Mar 2025 13:09		YP\AJ	Ok
14	Q1664-16	P001-BBDGA-005-01	PP071023.D	31 Mar 2025 17:02	TCMX high in 1st column	YP\AJ	Ok
15	Q1664-18	P001-BBDGA-006-01	PP071024.D	31 Mar 2025 17:19	TCMX high in both column	YP\AJ	ReRun
16	Q1664-20	P001-BBDGA-007-01	PP071025.D	31 Mar 2025 17:35	TCMX high in 1st column	YP\AJ	Ok,M
17	Q1664-22	P001-BBDGA-008-01	PP071026.D	31 Mar 2025 17:51	TCMX high in both column	YP\AJ	ReRun
18	AR1660CCC500	AR1660CCC500	PP071027.D	31 Mar 2025 19:02		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP033125

Review By	yogesh	Review On	3/31/2025 10:58:52 AM		
Supervise By	mohammad	Supervise On	4/7/2025 2:14:08 AM		
SubDirectory	PP033125	HP Acquire Method		HP Processing Method	PP032725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1242CCC500	AR1242CCC500	PP071028.D	31 Mar 2025 19:50	DCB high in both and TCMX high in 1st column , AR1242 Recovery high	YP\AJ	Ok
20	AR1248CCC500	AR1248CCC500	PP071029.D	31 Mar 2025 20:07	TCMX high in 2nd and DCB in 1st column , AR1248 high in 2nd column	YP\AJ	Ok
21	AR1254CCC500	AR1254CCC500	PP071030.D	31 Mar 2025 20:23	TCMX high in 1st and DCB in 1st column	YP\AJ	Ok
22	I.BLK	I.BLK	PP071031.D	31 Mar 2025 20:39		YP\AJ	Ok

M : Manual Integration

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SPLP EXTRACTION LOGPAGE

PB167372

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2

TCLP Filter ID : 115525

Start Prep Date : 03/28/2025 **Time :** 15:20

End Prep Date : 03/29/2025 **Time :** 09:50

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ TB

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : TB

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	WP110806
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 checked,30 rpm. Particle size reduction is not required. Matrix spikes are added after fiftration and before preservation.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25 10:30	TB ICP ROOM	SIGN.
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB167372

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
PB167372TB	LEB372	20	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q1664-04	P001-BBDGA-001-01	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-05	Q1664-04MS	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-06	Q1664-04MSD	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-08	P001-BBDGA-001-02	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-10	P001-BBDGA-002-01	13	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-12	P001-BBDGA-003-01	14	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1664-14	P001-BBDGA-004-01	15	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-16	P001-BBDGA-005-01	16	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-18	P001-BBDGA-006-01	17	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1664-20	P001-BBDGA-007-01	18	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-22	P001-BBDGA-008-01	19	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167372TB	LEB372	N/A	N/A	N/A	N/A	N/A	N/A
Q1664-04	P001-BBDGA-001-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-05	Q1664-04MS	N/A	N/A	N/A	N/A	100	N/A
Q1664-06	Q1664-04MSD	N/A	N/A	N/A	N/A	100	N/A
Q1664-08	P001-BBDGA-001-02	N/A	N/A	N/A	N/A	100	N/A
Q1664-10	P001-BBDGA-002-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-12	P001-BBDGA-003-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-14	P001-BBDGA-004-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-16	P001-BBDGA-005-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-18	P001-BBDGA-006-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-20	P001-BBDGA-007-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-22	P001-BBDGA-008-01	N/A	N/A	N/A	N/A	100	N/A

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SPLP Fluid Determination

PB167372

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
PB167372TB	LEB372	N/A	N/A	N/A	N/A	#1	4.24
Q1664-04	P001-BBDGA-001-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-05	Q1664-04MS	N/A	N/A	N/A	N/A	#1	4.24
Q1664-06	Q1664-04MSD	N/A	N/A	N/A	N/A	#1	4.24
Q1664-08	P001-BBDGA-001-02	N/A	N/A	N/A	N/A	#1	4.24
Q1664-10	P001-BBDGA-002-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-12	P001-BBDGA-003-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-14	P001-BBDGA-004-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-16	P001-BBDGA-005-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-18	P001-BBDGA-006-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-20	P001-BBDGA-007-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-22	P001-BBDGA-008-01	N/A	N/A	N/A	N/A	#1	4.24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SPLP Q1664 **WorkList ID :** 188612 **Department :** TCLP Extraction **Date :** 03-28-2025 12:15:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-04	P001-BBDGA-001-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-05	Q1664-04MS	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-06	Q1664-04MSD	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-08	P001-BBDGA-001-02	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-10	P001-BBDGA-002-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-12	P001-BBDGA-003-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-14	P001-BBDGA-004-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-16	P001-BBDGA-005-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-18	P001-BBDGA-006-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-20	P001-BBDGA-007-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-22	P001-BBDGA-008-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312

Date/Time 03/28/25 12:40

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 03/28/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167394

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#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 03/31/2025

Extraction Start Time : 11:35

Extraction End Date : 03/31/2025

Extraction End Time : 16:25

Concentration By: EH

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	PP24328
Surrogate	1.0ML	200 PPB	PP24217
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	E3904
Baked Na2SO4	N/A	EP2597
Hexane	N/A	E3914
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25	RP (Ext Lab)	R-Post-PCB Lab
16:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167394

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 03/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167394BL	ABLK394	SPLP PCB	1000	6	ritesh	rajesh	10			SEP-01
PB167394BS	ALCS394	SPLP PCB	1000	6	ritesh	rajesh	10			2
PB167394TB	PB167394TB	SPLP PCB	1000	6	ritesh	rajesh	10			3
Q1664-04	P001-BBDGA-001-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		4
Q1664-05	Q1664-04MS	SPLP PCB	1000	6	ritesh	rajesh	10	A		5
Q1664-06	Q1664-04MSD	SPLP PCB	1000	6	ritesh	rajesh	10	A		6
Q1664-08	P001-BBDGA-001-02	SPLP PCB	1000	6	ritesh	rajesh	10	A		7
Q1664-10	P001-BBDGA-002-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		8
Q1664-12	P001-BBDGA-003-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		9
Q1664-14	P001-BBDGA-004-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		10
Q1664-16	P001-BBDGA-005-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		11
Q1664-18	P001-BBDGA-006-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		12
Q1664-20	P001-BBDGA-007-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		13
Q1664-22	P001-BBDGA-008-01	SPLP PCB	1000	6	ritesh	rajesh	10	A		14

* **Extracts relinquished on the same date as received.**

3/31/25

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SPLP EXTRACTION LOGPAGE

PB167372

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
PB167372TB	LEB372	20	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q1664-04	P001-BBDGA-001-01	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-05	Q1664-04MS	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-06	Q1664-04MSD	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-08	P001-BBDGA-001-02	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-10	P001-BBDGA-002-01	13	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-12	P001-BBDGA-003-01	14	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1664-14	P001-BBDGA-004-01	15	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-16	P001-BBDGA-005-01	16	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-18	P001-BBDGA-006-01	17	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1664-20	P001-BBDGA-007-01	18	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-22	P001-BBDGA-008-01	19	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

03/31/25
10:30

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Prep Standard - Chemical Standard Summary

Order ID : Q1664

Test : SPLP PCB

Prepbatch ID : PB167394,

Sequence ID/Qc Batch ID: PO033125,PO040125,pp033125,

Standard ID :

EP2565,EP2597,PP24217,PP24328,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,

Chemical ID :

E3551,E3804,E3876,E3877,E3904,E3914,M5173,P11522,P12699,P12702,P12931,P12936,P12948,P12949,P12957,P13354,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2597	03/28/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Evelyn Huang 03/28/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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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	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel 03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24328	03/17/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 0.50000ml of P12948 + 99.50000ml of E3876 = 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	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = 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	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = 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	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = 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	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = 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	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = 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	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = 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	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = 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
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = 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
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = 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
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = 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
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = 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	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = 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	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = 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	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = 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	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = 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	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = 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	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = 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	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = 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	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = 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	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = 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	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = 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	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12949 + 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	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = 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)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = 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	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = 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
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = 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
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = 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	PP24381	03/18/2025	04/03/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	04/03/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = 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	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = 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
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 / RUPESH	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

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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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 / william	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

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	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

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	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

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	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	08/27/2025	02/27/2025 / Ankita	12/20/2023 / Yogesh	P12948

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

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 #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

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	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

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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	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

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	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

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	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

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	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

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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	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

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	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

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

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	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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.

Recd. by RB on 7/24/23 E3551

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

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

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



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

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Refere

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(
Aceton

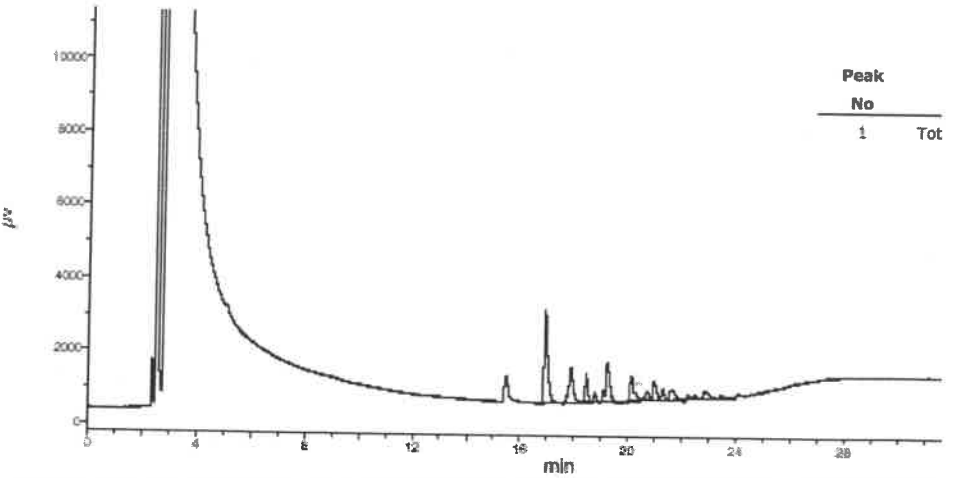
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST 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



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.

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.)

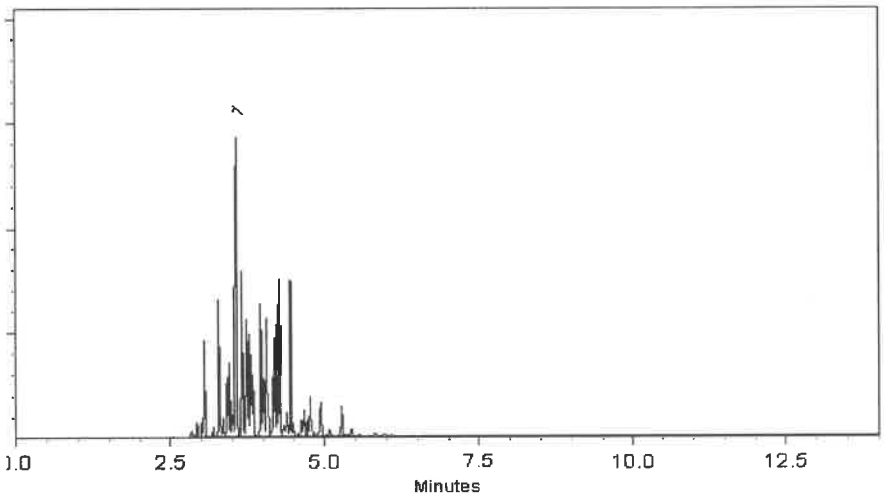
Inj. Temp:
250°C

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

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.

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.)

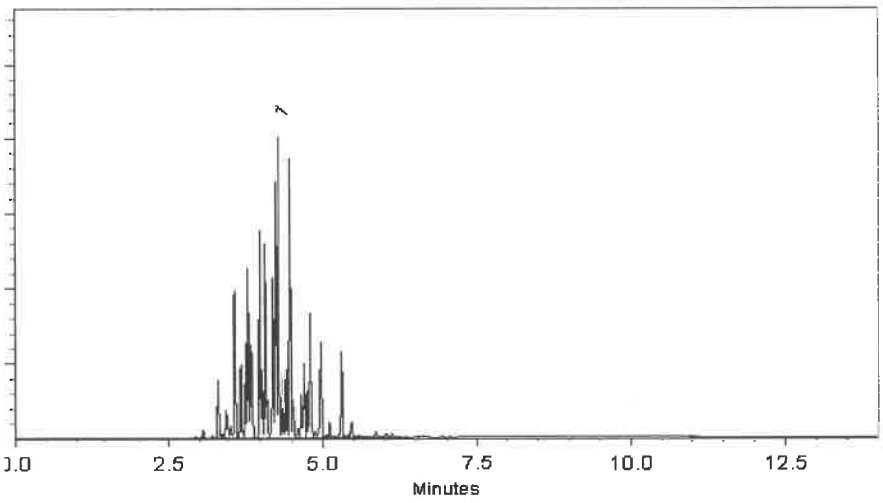
Inj. Temp:
250°C

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

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

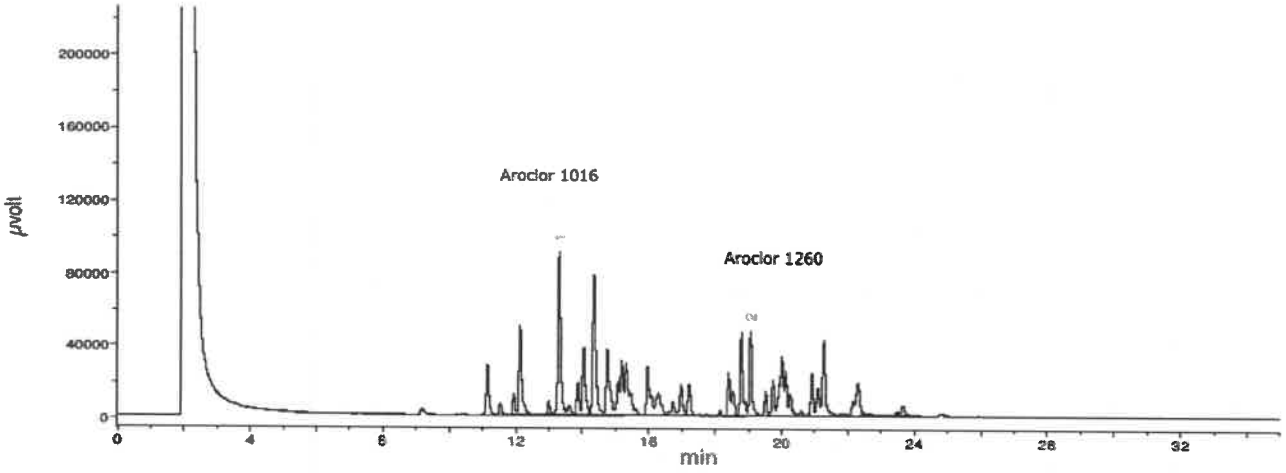
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 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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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

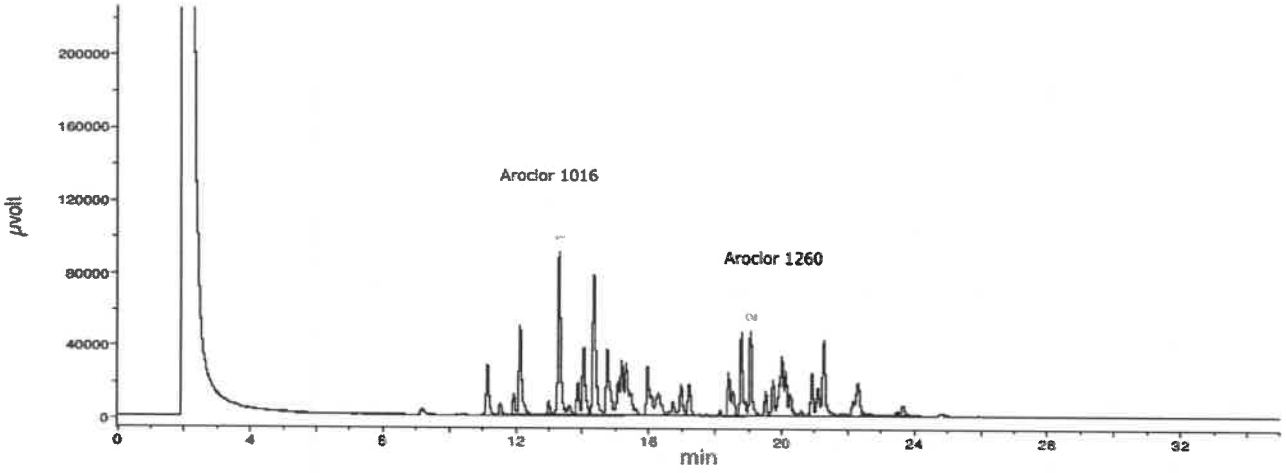
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 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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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

Note: Aroclor 1254 is a mix of isomers.

Formulated By:	Anthony Mahoney	121823 DATE
Reviewed By:	Pedro L. Rentas	121823 DATE

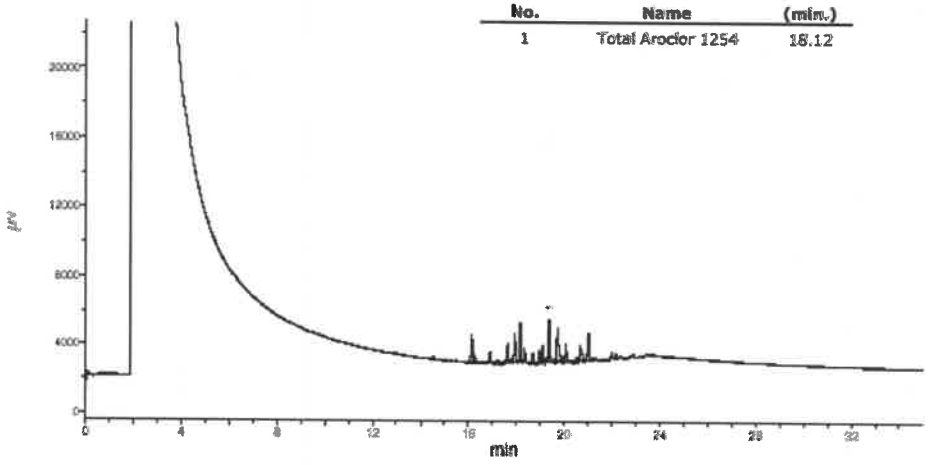
P12956 & P12957 Y.P. 12/20/23

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
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

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



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 → P13357 (10)

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.)

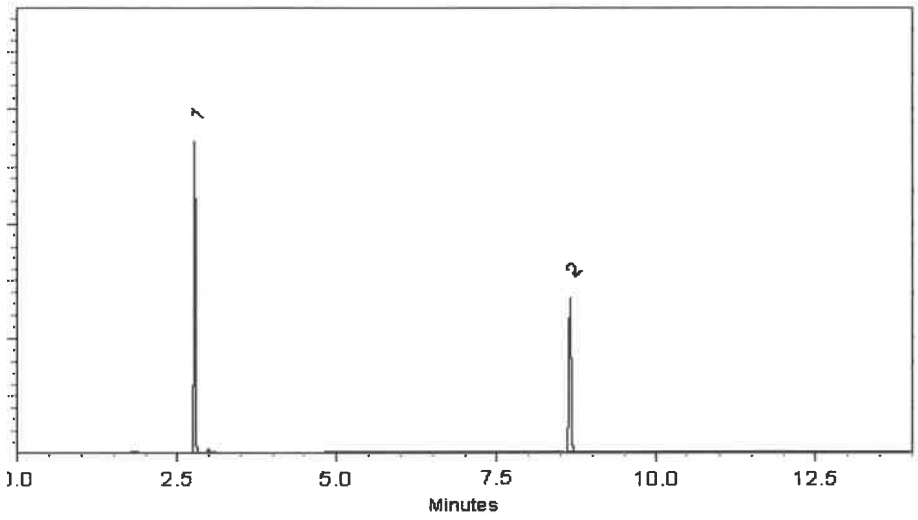
Inj. Temp:
250°C

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

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 → P13357 (10)

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.)

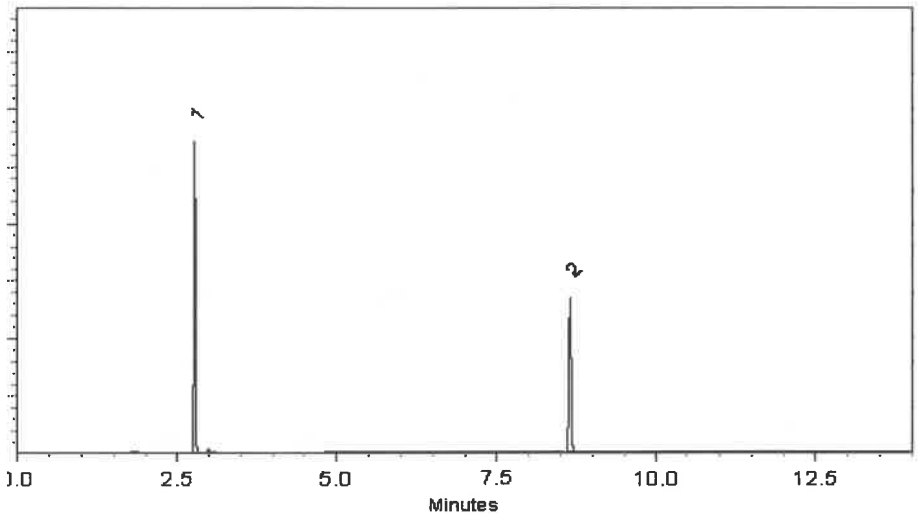
Inj. Temp:
250°C

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

Agilent

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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
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P133f3

AJ
05106124

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

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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**

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Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 32410 **Lot No.:** A0207475

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, 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 1268	11100-14-4	10947000	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13380 (2)
P 13381 (1)
05/6/2024

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.)

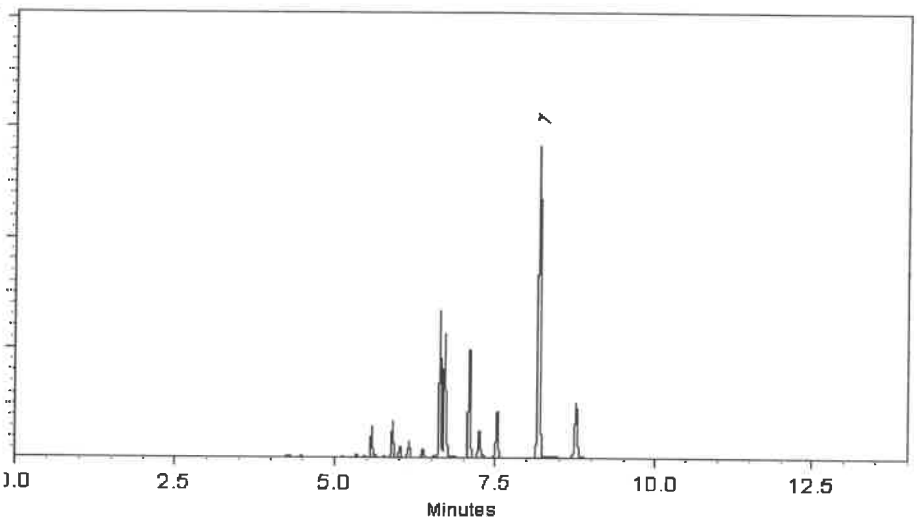
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

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.

Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380 (2)
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P13381
1

05/6/2024

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 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.

P13589
↓
P13590

AJ
10/14/24

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

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1248 Standard
Product Number: PP-342-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006726317
Lot Issue Date: 27-Jan-2023
Expiration Date: 28-Feb-2031

Component Name	Concentration		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 (RM) 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. Purity values are taken from approved vendor raw material certificates.

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 (RM) 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 (RM) 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 (RM) 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.

P13591
↓
P13592

AJ
10/14/2024

Agilent

Trusted Answers

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

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-015.1

ISO 17025

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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** A0210629

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 : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* 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.)

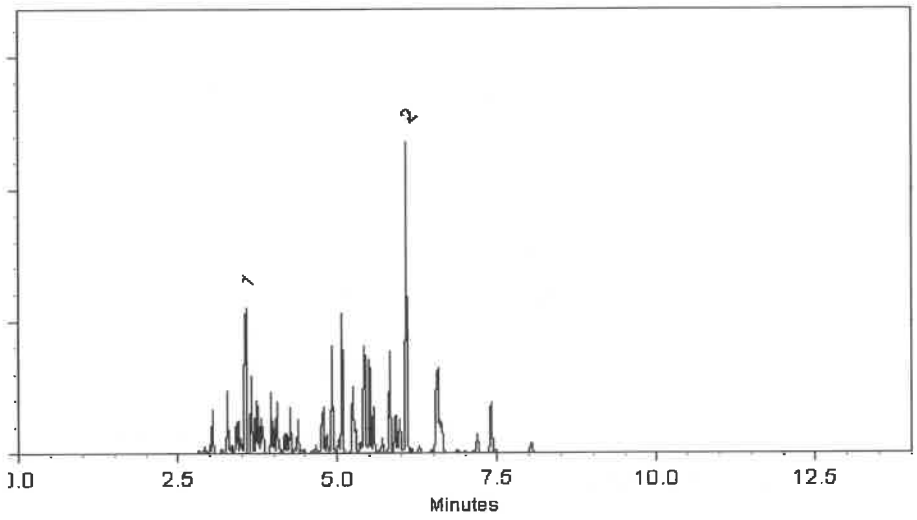
Inj. Temp:
250°C

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: 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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chromatographic plus

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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.:** A0215270

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, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* 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.)

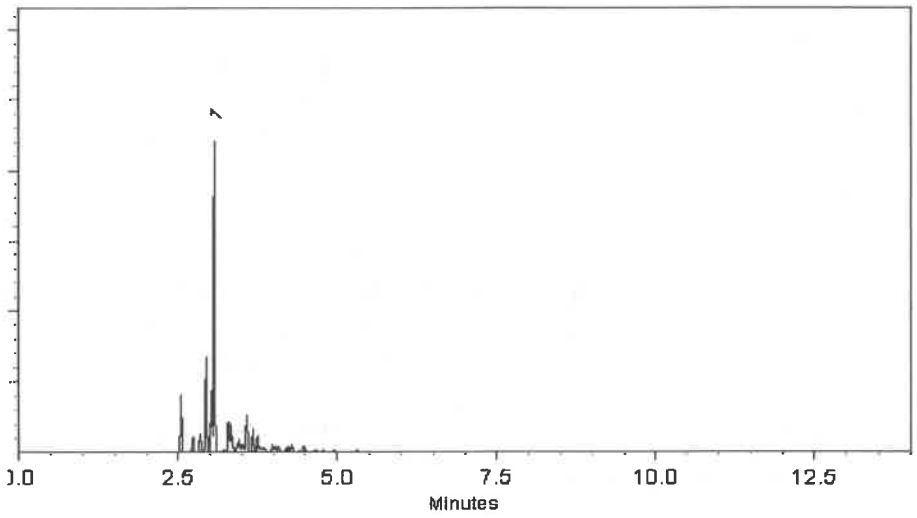
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
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.

Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA 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. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **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 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830
↓
P13832

AJ
12/09/24

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.)

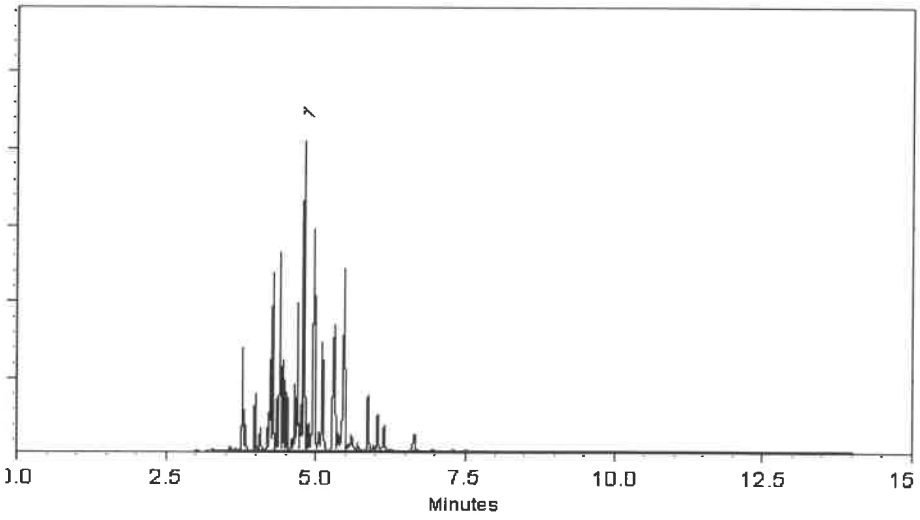
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 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.

Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Reference Material Producer
Certificate #3222.01

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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. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

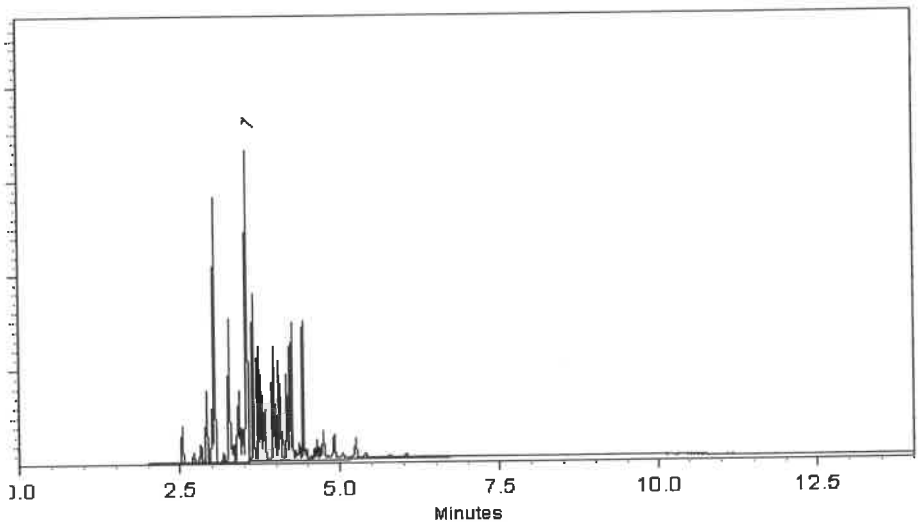
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 32409 **Lot No.:** A0220950

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, 2031 **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 1262	37324-23-5	10849100	----%	1,002.0 µg/mL	+/- 55.6035

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13852
↓
P13853

AJ
01/28/25

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.)

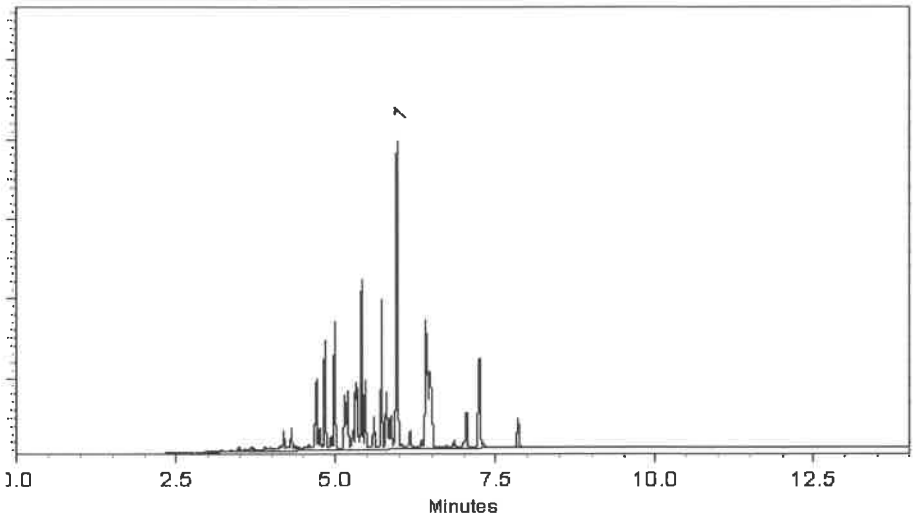
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 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.

Tom Suckar - Mix Technician

Date Mixed: 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-01	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	8:35 3-27-25		8:35 3-27-25	IR Gun #1 2.1°C no Custody Seal Temp Blank present

Q16664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-02	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0855 3/27/25		8:35 3-27-25	IR Gun #1 2.1°C
					No Custody Seal
					Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-002-01	P001-BBDGA-002		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		F	SPLP EPH	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		G	SPLP VOCs	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		0835 3.27.25	IR Gun #1 2.1°C
					No Custody Seal
					No Temp Blank

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-003-01	P001-BBDGA-003		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		F	SPLP EPH	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		G	SPLP VOCs	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3-27-25	IR Gun # 1 2.1°
					No Custody Seal
					Temp Blank present

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-004-01	P001-BBDGA-004		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		F	SPLP EPH	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		G	SPLP VOCs	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0935 3/27/25		0:35 3.27.25	If C-#1 2.1 °C
					No Custody Seal
					Temp Blk present

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-005-01	P001-BBDGA-005		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		F	SPLP EPH	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		G	SPLP VOCs	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3-27-25	IR Gun # 1 2.1 No Custody Seal Trip Blank

01464

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-006-01	P001-BBDGA-006		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		F	SPLP EPH	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		G	SPLP VOCs	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	3/27/25 0835		8:35 3-27-25	IR Gun 1 2.1 C No Custody Seal Intact Temp Blank present

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-007-01	P001-BBDGA-007		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		F	SPLP EPH	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		G	SPLP VOCs	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	3/27/25 0835		0835 3-27-25	IR Gun #1 2.1 C No Custody Seal Temp Blank present

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-008-01	P001-BBDGA-008		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		F	SPLP EPH	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		G	SPLP VOCs	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3.27.25	IR Gun #1 2.1 C no Custody Seal Temp Blank present

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 3/27/2025 10:47:00 AM
Project Name : RFP 905
Receive DateTime : 3/27/2025 8:35:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q1664-01	P001-BBDGA-001-01	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-02	Q1664-01MS	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-03	Q1664-01MSD	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-07	P001-BBDGA-001-02	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-09	P001-BBDGA-002-01	Solid	03/26/2025	09:35						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-11	P001-BBDGA-003-01	Solid	03/26/2025	09:40						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-13	P001-BBDGA-004-01	Solid	03/26/2025	09:45						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-15	P001-BBDGA-005-01	Solid	03/26/2025	09:50						

3 Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 3/27/2025 10:47:00 AM
Project Name : RFP 905
Receive DateTime : 3/27/2025 8:35:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	3 days
Q1664-17	P001-BBDGA-006-01	Solid	03/26/2025	09:55					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-19	P001-BBDGA-007-01	Solid	03/26/2025	10:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-21	P001-BBDGA-008-01	Solid	03/26/2025	10:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 3/27/25 1200

Received By :
Date / Time : 03.27.25 12:00

Storage Area : VOA Refridgerator Room