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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : R36884 - PCB

TETRA TECH, EMI

240 Continental Drive, Suite 200

Newark, DE - 19713

Phone No: 302-738-7551

ORDER ID : Q1573

ATTENTION : Ava Heiss

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1573

Project ID : R36884 - PCB

Client : Tetra Tech, EMI

Lab Sample Number	Client Sample Number
Q1573-01	C0AC4
Q1573-02	C0AC5
Q1573-03	C0AC6
Q1573-04	C0AC8
Q1573-05	C0O29
Q1573-06	C0O30
Q1573-07	C0O31
Q1573-08	C0O32
Q1573-09	C0O33
Q1573-10	C0O34
Q1573-11	C0O35
Q1573-12	C0AC7
Q1573-13	C0O37

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:45 am, Mar 27, 2025

Date: 3/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech, EMI
Project Name: R36884 - PCB
Project # N/A
Chemtech Project # Q1573
Test Name: PCB Group1

A. Number of Samples and Date of Receipt:
11 Solid samples were received on 03/14/2025.
2 Water samples were received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB Group1. This data package contains results for PCB Group1.

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 analysis of PCB Group1s was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for C0AC5 [Decachlorobiphenyl(1) - 31%] as per method one surrogate is allowed to failed, therefore no corrective action was taken.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate 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 .

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E. Additional Comments:

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

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:46 am, Mar 27, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1573 MATRIX: /Water

METHOD: 8082A/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for C0AC5 [Decachlorobiphenyl(1) - 31%] as per method one surrogate is allowed to failed, therefore no corrective action was taken.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD met criteria .			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 8:46 am, Mar 27, 2025

QA REVIEW _____ Date _____

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1573

	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:** 03/20/2025

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LAB CHRONICLE

OrderID:	Q1573	**OrderDate:**	3/14/2025 11:04:00 AM
Client:	Tetra Tech, EMI	**Project:**	R36884 - PCB
Contact:	Ava Heiss	**Location:**	I31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1573-01	**C0AC4**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-02	**C0AC5**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-03	**C0AC6**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/18/25	
Q1573-04	**C0AC8**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-05	**C0O29**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-06	**C0O30**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-07	**C0O31**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-08	**C0O32**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-09	**C0O33**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-10	**C0O34**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/17/25	
Q1573-11	**C0O35**	**SOIL**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/18/25	
Q1573-12	**C0AC7**	**WATER**			**03/12/25**			**03/14/25**

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LAB CHRONICLE

			PCB Group1	8082A		03/17/25	03/18/25	
Q1573-13	**C0O37**	**WATER**			**03/11/25**			**03/14/25**
			PCB Group1	8082A		03/17/25	03/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1573 **Order ID:** Q1573

Client: Tetra Tech, EMI **Project ID:** R36884 - PCB

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0AC4								
Q1573-01	C0AC4	SOIL	Aroclor-1248	65.9		8.20	23.4	ug/kg
Q1573-01	C0AC4	SOIL	Aroclor-1260	23.7	P	4.40	23.4	ug/kg
			Total Concentration:	**89.600**				
Client ID : C0AC5								
Q1573-02	C0AC5	SOIL	Aroclor-1248	85.7		9.30	26.7	ug/kg
Q1573-02	C0AC5	SOIL	Aroclor-1260	32.1		5.10	26.7	ug/kg
			Total Concentration:	**117.800**				
Client ID : C0AC6								
Q1573-03	C0AC6	SOIL	Aroclor-1248	35.2		9.40	27.0	ug/kg
Q1573-03	C0AC6	SOIL	Aroclor-1260	21.8	J	5.10	27.0	ug/kg
			Total Concentration:	**57.000**				
Client ID : C0AC8								
Q1573-04	C0AC8	SOIL	Aroclor-1248	153		10.0	28.7	ug/kg
Q1573-04	C0AC8	SOIL	Aroclor-1260	35.9		5.40	28.7	ug/kg
			Total Concentration:	**188.900**				
Client ID : C0O29								
Q1573-05	C0O29	SOIL	Aroclor-1260	59.9		5.80	30.4	ug/kg
			Total Concentration:	**59.900**				
Client ID : C0O30								
Q1573-06	C0O30	SOIL	Aroclor-1260	24.3	J	4.60	24.4	ug/kg
			Total Concentration:	**24.300**				
Client ID : C0O31								
Q1573-07	C0O31	SOIL	Aroclor-1248	338		8.80	25.2	ug/kg
Q1573-07	C0O31	SOIL	Aroclor-1260	97.8		4.80	25.2	ug/kg
			Total Concentration:	**435.800**				

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Hit Summary Sheet
SW-846

SDG No.: Q1573 **Order ID:** Q1573

Client: Tetra Tech, EMI **Project ID:** R36884 - PCB

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**C0O32**							
Q1573-08	C0O32	SOIL	Aroclor-1248	106		10.7	30.8	ug/kg
Q1573-08	C0O32	SOIL	Aroclor-1260	30.7	J	5.90	30.8	ug/kg
			Total Concentration:	**136.700**				
Client ID :	**C0O33**							
Q1573-09	C0O33	SOIL	Aroclor-1248	204		9.20	26.3	ug/kg
Q1573-09	C0O33	SOIL	Aroclor-1260	176		5.00	26.3	ug/kg
			Total Concentration:	**380.000**				
Client ID :	**C0O34**							
Q1573-10	C0O34	SOIL	Aroclor-1248	45.5		7.20	20.7	ug/kg
Q1573-10	C0O34	SOIL	Aroclor-1260	9.60	J	3.90	20.7	ug/kg
			Total Concentration:	**55.100**				
Client ID :	**C0O35**							
Q1573-11	C0O35	SOIL	Aroclor-1248	25.5		7.60	21.8	ug/kg
Q1573-11	C0O35	SOIL	Aroclor-1260	13.5	J	4.10	21.8	ug/kg
			Total Concentration:	**39.000**				

QC SUMMARY

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

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP070418.D	PIBLK-PP070418.D	Tetrachloro-m-xylene	1	20	22.0	110		60	140
		Decachlorobiphenyl	1	20	23.1	116		60	140
		Tetrachloro-m-xylene	2	20	23.0	115		60	140
		Decachlorobiphenyl	2	20	23.5	117		60	140
I.BLK-PP070593.D	PIBLK-PP070593.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	21.1	106		60	140
		Tetrachloro-m-xylene	2	20	21.4	107		60	140
		Decachlorobiphenyl	2	20	19.8	99		60	140
PB167154BL	PB167154BL	Tetrachloro-m-xylene	1	20	20.5	103		32	144
		Decachlorobiphenyl	1	20	22.4	112		32	175
		Tetrachloro-m-xylene	2	20	23.5	117		32	144
		Decachlorobiphenyl	2	20	20.3	101		32	175
PB167154BS	PB167154BS	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	22.8	114		32	175
		Tetrachloro-m-xylene	2	20	23.0	115		32	144
		Decachlorobiphenyl	2	20	21.3	107		32	175
Q1573-01	C0AC4	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	10.0	50		32	175
		Tetrachloro-m-xylene	2	20	18.8	94		32	144
		Decachlorobiphenyl	2	20	9.81	49		32	175
Q1573-01MS	C0AC4MS	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	12.1	60		32	175
		Tetrachloro-m-xylene	2	20	18.2	91		32	144
		Decachlorobiphenyl	2	20	11.9	60		32	175
Q1573-01MSD	C0AC4MSD	Tetrachloro-m-xylene	1	20	18.7	93		32	144
		Decachlorobiphenyl	1	20	12.4	62		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	12.3	62		32	175
I.BLK-PP070608.D	PIBLK-PP070608.D	Tetrachloro-m-xylene	1	20	19.7	99		60	140
		Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	20.3	101		60	140
Q1573-02	C0AC5	Tetrachloro-m-xylene	1	20	14.8	74		32	144
		Decachlorobiphenyl	1	20	6.12	31	*	32	175
		Tetrachloro-m-xylene	2	20	15.6	78		32	144
		Decachlorobiphenyl	2	20	6.89	34		32	175
Q1573-04	C0AC8	Tetrachloro-m-xylene	1	20	15.7	79		32	144
		Decachlorobiphenyl	1	20	6.80	34		32	175
		Tetrachloro-m-xylene	2	20	17.7	89		32	144
		Decachlorobiphenyl	2	20	7.11	36		32	175
Q1573-05	C0O29	Tetrachloro-m-xylene	1	20	17.5	88		32	144

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Surrogate Summary

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1573-05	C0O29	Decachlorobiphenyl	1	20	11.9	59		32	175
		Tetrachloro-m-xylene	2	20	20.3	101		32	144
		Decachlorobiphenyl	2	20	12.1	60		32	175
Q1573-06	C0O30	Tetrachloro-m-xylene	1	20	17.6	88		32	144
		Decachlorobiphenyl	1	20	9.25	46		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	9.33	47		32	175
Q1573-07	C0O31	Tetrachloro-m-xylene	1	20	19.2	96		32	144
		Decachlorobiphenyl	1	20	10.4	52		32	175
		Tetrachloro-m-xylene	2	20	22.1	111		32	144
		Decachlorobiphenyl	2	20	10.9	54		32	175
Q1573-08	C0O32	Tetrachloro-m-xylene	1	20	19.4	97		32	144
		Decachlorobiphenyl	1	20	13.9	69		32	175
		Tetrachloro-m-xylene	2	20	21.1	106		32	144
		Decachlorobiphenyl	2	20	13.5	67		32	175
Q1573-09	C0O33	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	8.87	44		32	175
		Tetrachloro-m-xylene	2	20	19.2	96		32	144
		Decachlorobiphenyl	2	20	9.20	46		32	175
Q1573-10	C0O34	Tetrachloro-m-xylene	1	20	16.6	83		32	144
		Decachlorobiphenyl	1	20	8.19	41		32	175
		Tetrachloro-m-xylene	2	20	18.1	90		32	144
		Decachlorobiphenyl	2	20	8.50	43		32	175
I.BLK-PP070623.D	PIBLK-PP070623.D	Tetrachloro-m-xylene	1	20	19.9	99		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	21.8	109		60	140
		Decachlorobiphenyl	2	20	21.8	109		60	140
PB167172BL	PB167172BL	Tetrachloro-m-xylene	1	20	19.9	99		16	158
		Decachlorobiphenyl	1	20	19.7	99		10	173
		Tetrachloro-m-xylene	2	20	21.7	108		16	158
		Decachlorobiphenyl	2	20	18.2	91		10	173
PB167172BS	PB167172BS	Tetrachloro-m-xylene	1	20	21.1	106		16	158
		Decachlorobiphenyl	1	20	21.1	105		10	173
		Tetrachloro-m-xylene	2	20	22.0	110		16	158
		Decachlorobiphenyl	2	20	19.3	97		10	173
PB167172BSD	PB167172BSD	Tetrachloro-m-xylene	1	20	21.6	108		16	158
		Decachlorobiphenyl	1	20	22.0	110		10	173
		Tetrachloro-m-xylene	2	20	22.6	113		16	158
		Decachlorobiphenyl	2	20	20.1	100		10	173
Q1573-12	C0AC7	Tetrachloro-m-xylene	1	20	18.4	92		16	158
		Decachlorobiphenyl	1	20	5.85	29		10	173

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Fax : 908 789 8922

Surrogate Summary

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1573-12	C0AC7	Tetrachloro-m-xylene	2	20	19.1	96		16	158
		Decachlorobiphenyl	2	20	6.10	31		10	173
Q1573-13	C0O37	Tetrachloro-m-xylene	1	20	14.2	71		16	158
		Decachlorobiphenyl	1	20	4.10	21		10	173
		Tetrachloro-m-xylene	2	20	15.3	77		16	158
		Decachlorobiphenyl	2	20	3.94	20		10	173
I.BLK-PP070636.D	PIBLK-PP070636.D	Tetrachloro-m-xylene	1	20	19.8	99		60	140
		Decachlorobiphenyl	1	20	20.8	104		60	140
		Tetrachloro-m-xylene	2	20	20.3	101		60	140
		Decachlorobiphenyl	2	20	19.3	96		60	140
I.BLK-PP070642.D	PIBLK-PP070642.D	Tetrachloro-m-xylene	1	20	19.7	99		60	140
		Decachlorobiphenyl	1	20	21.1	106		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
Q1573-03	C0AC6	Tetrachloro-m-xylene	1	20	11.5	58		32	144
		Decachlorobiphenyl	1	20	17.4	87		32	175
		Tetrachloro-m-xylene	2	20	13.1	66		32	144
		Decachlorobiphenyl	2	20	17.2	86		32	175
Q1573-11	C0O35	Tetrachloro-m-xylene	1	20	13.0	65		32	144
		Decachlorobiphenyl	1	20	7.20	36		32	175
		Tetrachloro-m-xylene	2	20	15.2	76		32	144
		Decachlorobiphenyl	2	20	7.49	37		32	175
I.BLK-PP070651.D	PIBLK-PP070651.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	20.6	103		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A **DataFile :** PP070602.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:	**C0AC4MS**											
Q1573-01MS	AR1016	229.4	0	245	ug/kg	107				55	146	
	AR1260	229.4	23.7	201	ug/kg	77				31	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A **DataFile :** PP070603.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:	**C0AC4MSD**											
Q1573-01MSD	AR1016	229.7	0	239	ug/kg	104		3		55	146	20
	AR1260	229.7	23.7	198	ug/kg	76		1		31	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A **Datafile :** PP070595.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167154BS	AR1016	166.6	167	ug/kg	100				71	120	
	AR1260	166.6	159	ug/kg	95				65	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A **Datafile :** PP070627.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167172BS	AR1016	5	4.50	ug/L	90				61	112	
	AR1260	5	4.20	ug/L	84				66	113	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A **Datafile :** PP070628.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167172BSD	AR1016	5	4.50	ug/L	90	0			61	112	20
	AR1260	5	4.40	ug/L	88	5			66	113	20

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167154BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167154BL Lab File ID: PP070594.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 03/17/2025

Date Analyzed (1): 03/17/2025 Date Analyzed (2): 03/17/2025

Time Analyzed (1): 15:22 Time Analyzed (2): 15:22

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167154BS	PB167154BS	PP070595.D	03/17/2025	03/17/2025
C0AC4	Q1573-01	PP070601.D	03/17/2025	03/17/2025
C0AC4MS	Q1573-01MS	PP070602.D	03/17/2025	03/17/2025
C0AC4MSD	Q1573-01MSD	PP070603.D	03/17/2025	03/17/2025
C0AC5	Q1573-02	PP070609.D	03/17/2025	03/17/2025
C0AC8	Q1573-04	PP070611.D	03/17/2025	03/17/2025
C0O29	Q1573-05	PP070612.D	03/17/2025	03/17/2025
C0O30	Q1573-06	PP070613.D	03/17/2025	03/17/2025
C0O31	Q1573-07	PP070614.D	03/17/2025	03/17/2025
C0O32	Q1573-08	PP070615.D	03/17/2025	03/17/2025
C0O33	Q1573-09	PP070616.D	03/17/2025	03/17/2025
C0O34	Q1573-10	PP070617.D	03/17/2025	03/17/2025
C0AC6	Q1573-03	PP070644.D	03/18/2025	03/18/2025
C0O35	Q1573-11	PP070645.D	03/18/2025	03/18/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167172BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167172BL Lab File ID: PP070626.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 03/17/2025

Date Analyzed (1): 03/18/2025 Date Analyzed (2): 03/18/2025

Time Analyzed (1): 01:06 Time Analyzed (2): 01:06

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167172BS	PB167172BS	PP070627.D	03/18/2025	03/18/2025
PB167172BSD	PB167172BSD	PP070628.D	03/18/2025	03/18/2025
C0AC7	Q1573-12	PP070629.D	03/18/2025	03/18/2025
C0037	Q1573-13	PP070630.D	03/18/2025	03/18/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC4	SDG No.:	Q1573
Lab Sample ID:	Q1573-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	72.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070601.D	1	03/17/25 08:35	03/17/25 17:15	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	23.4	U	5.40	23.4	ug/kg
11104-28-2	Aroclor-1221	23.4	U	5.50	23.4	ug/kg
11141-16-5	Aroclor-1232	23.4	U	5.10	23.4	ug/kg
53469-21-9	Aroclor-1242	23.4	U	5.50	23.4	ug/kg
12672-29-6	Aroclor-1248	65.9		8.20	23.4	ug/kg
11097-69-1	Aroclor-1254	23.4	U	4.40	23.4	ug/kg
37324-23-5	Aroclor-1262	23.4	U	6.90	23.4	ug/kg
11100-14-4	Aroclor-1268	23.4	U	5.00	23.4	ug/kg
11096-82-5	Aroclor-1260	23.7	P	4.40	23.4	ug/kg
Total PCBs	Total PCBs	89.6		12.6	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.0		32 - 175	50%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:15
Operator : YP\AJ
Sample : Q1573-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.523	3.826	27120977	18810448	17.437	18.768
2)	SA Decachlor...	10.245	8.873	10656877	9597490	10.031	9.810
	Target Compounds						
21)	L5 AR-1248-1	5.674	4.914	1841859	1675461	53.925m	71.371m#
22)	L5 AR-1248-2	5.946	5.149	6629484	4646781	156.182	148.443
23)	L5 AR-1248-3	6.149	5.191	6554021	4750698	142.020	149.762
24)	L5 AR-1248-4	6.547	5.364	7792656	6628430	134.376	170.077 #
25)	L5 AR-1248-5	6.587	5.758	9902447	6783105	184.447	178.097
31)	L7 AR-1260-1	7.268	6.401	2909322	4295884	49.530	86.290 #
32)	L7 AR-1260-2	7.522	6.589	3931901	3182644	47.925	48.158
33)	L7 AR-1260-3	7.879	6.743	2129434	2524870	32.383	44.143 #
34)	L7 AR-1260-4	8.101	7.216	2433068	2128289	37.235m	41.598
35)	L7 AR-1260-5	8.425	7.455	4214981	4901416	30.839	38.059

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

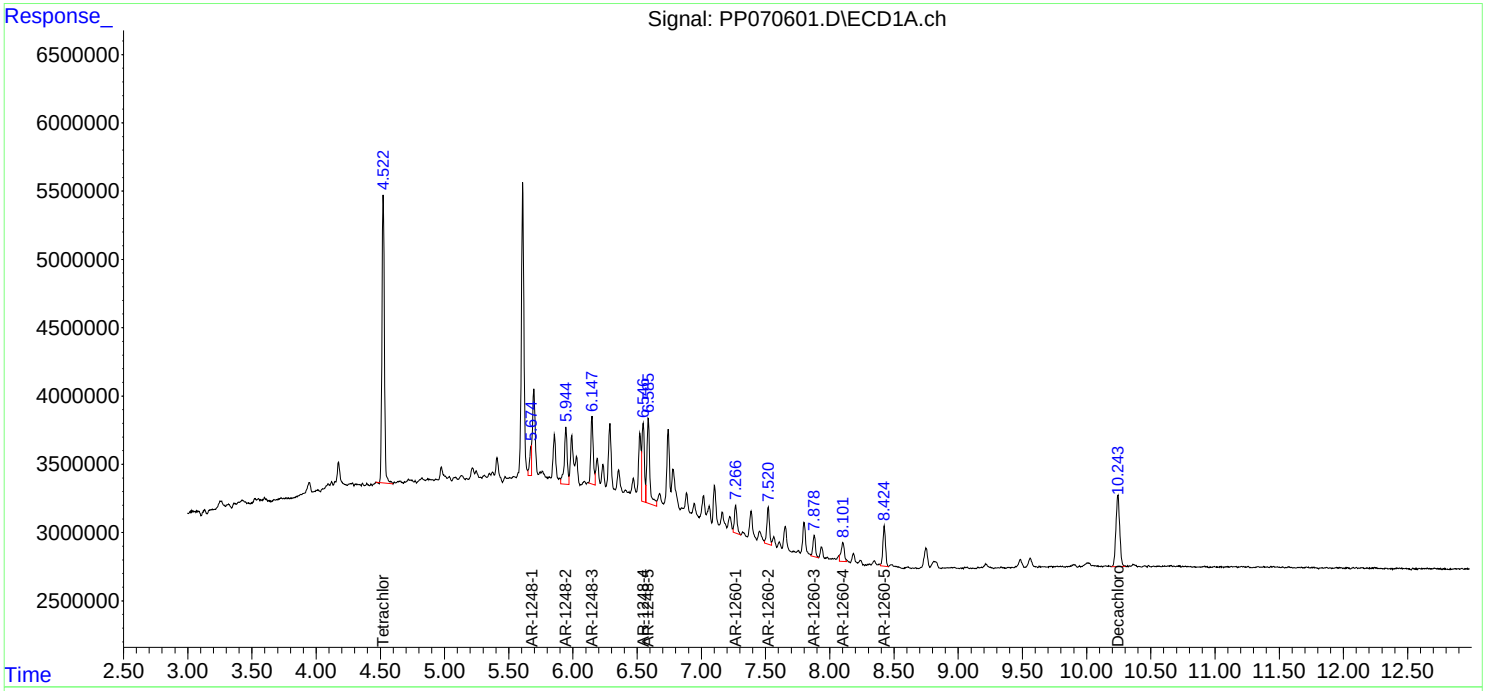
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:15
Operator : YP\AJ
Sample : Q1573-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

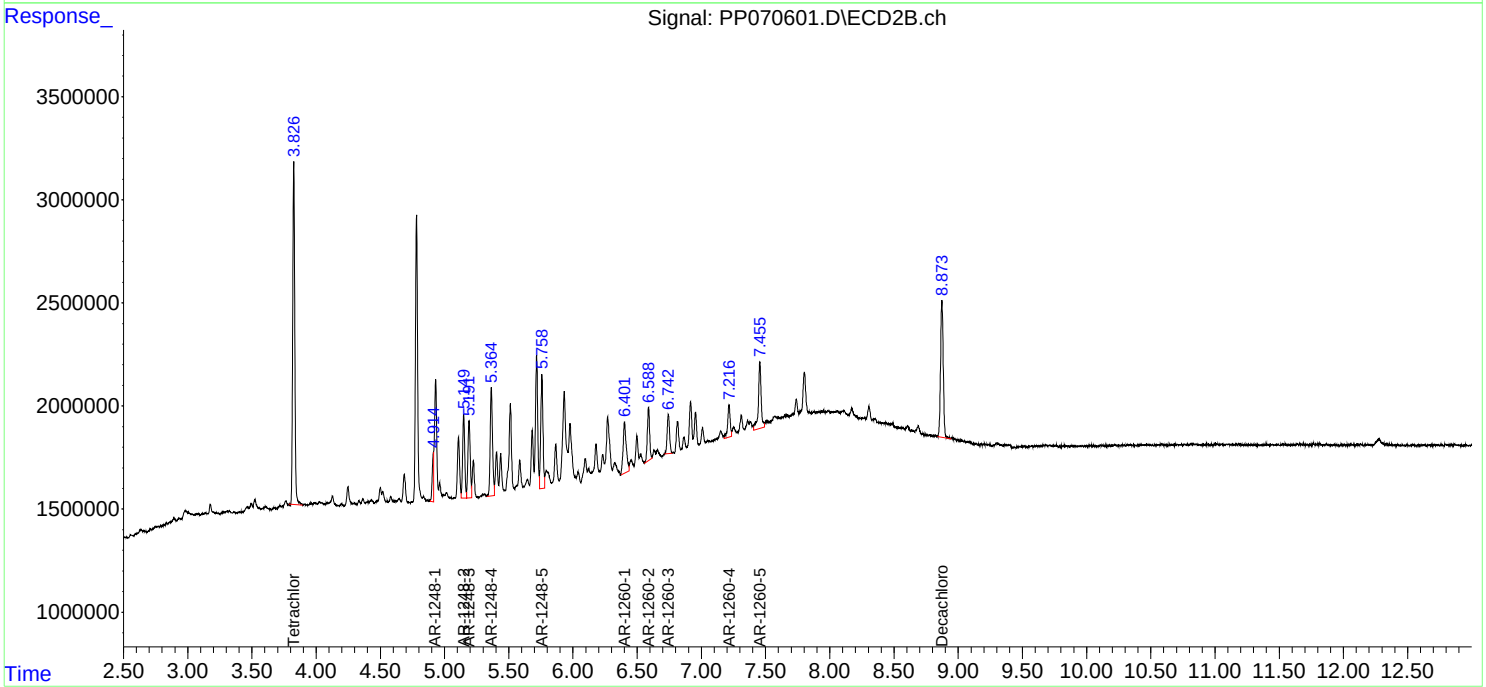
Instrument :
ECD_P
ClientSampleId :
C0AC4

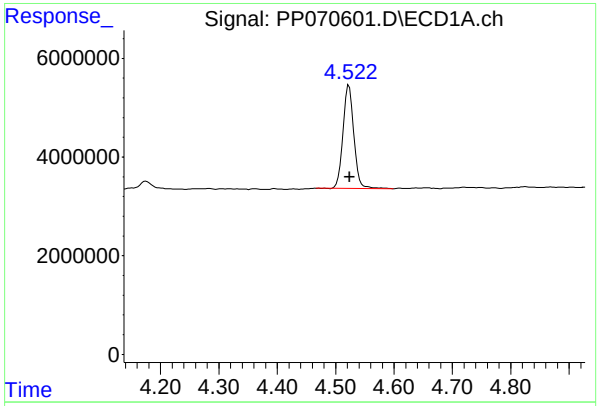
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







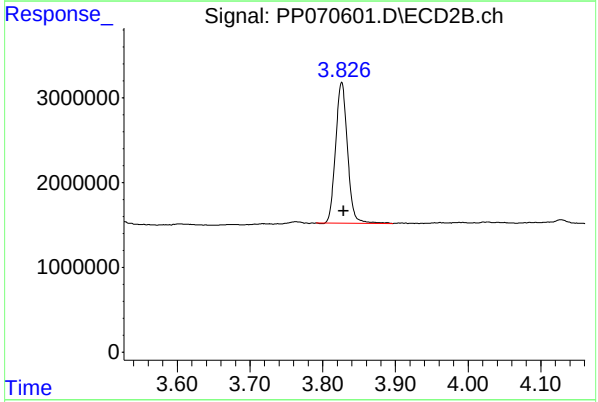
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 27120977
Conc: 17.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4

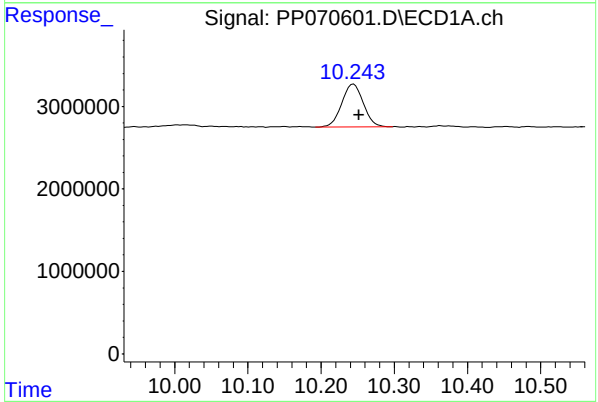
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



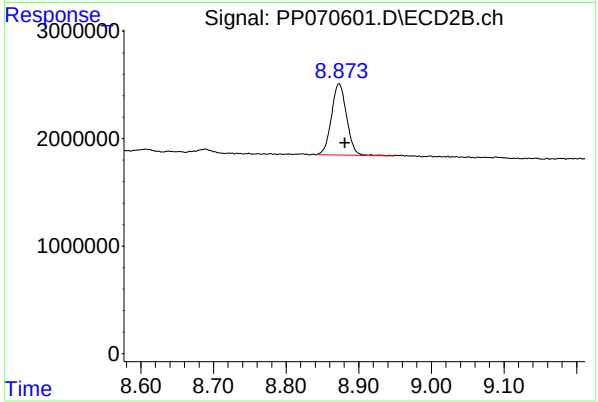
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 18810448
Conc: 18.77 ng/ml



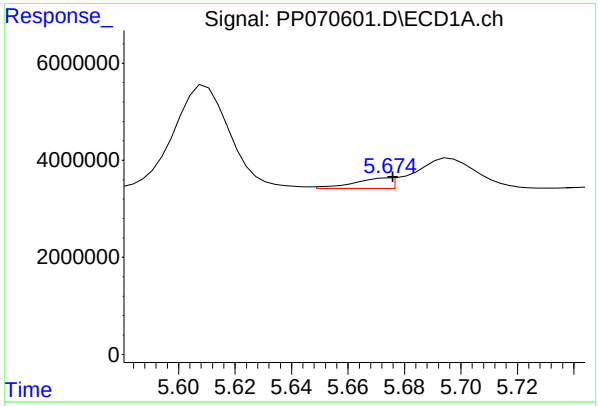
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 10656877
Conc: 10.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.873 min
Delta R.T.: -0.008 min
Response: 9597490
Conc: 9.81 ng/ml



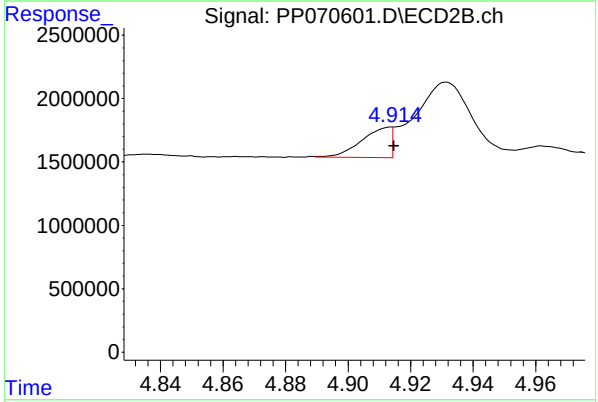
#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 1841859
Conc: 53.92 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC4

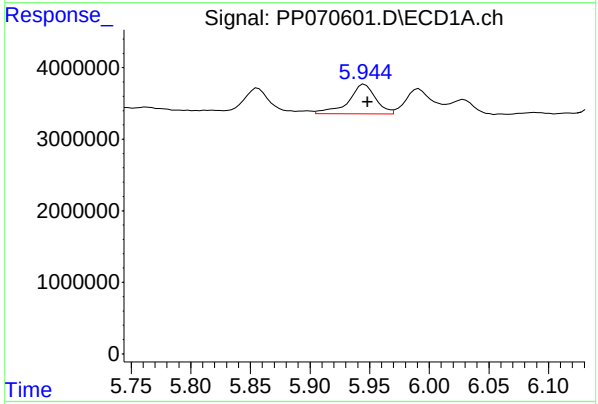
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



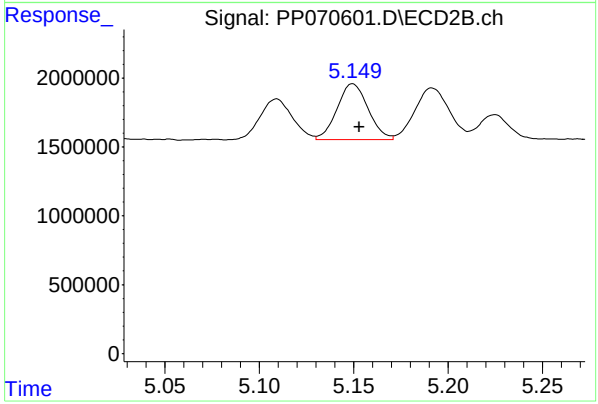
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 1675461
Conc: 71.37 ng/ml m



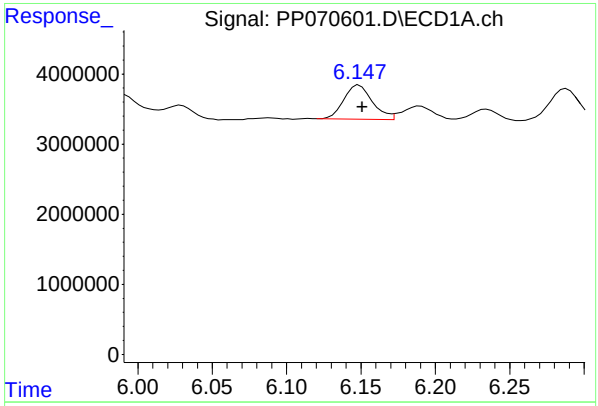
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.003 min
Response: 6629484
Conc: 156.18 ng/ml



#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.003 min
Response: 4646781
Conc: 148.44 ng/ml



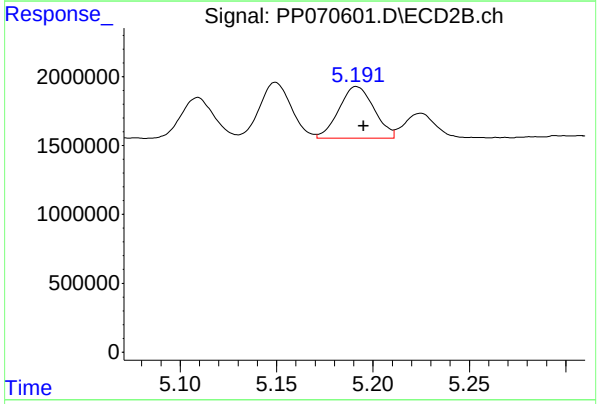
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 6554021
Conc: 142.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4

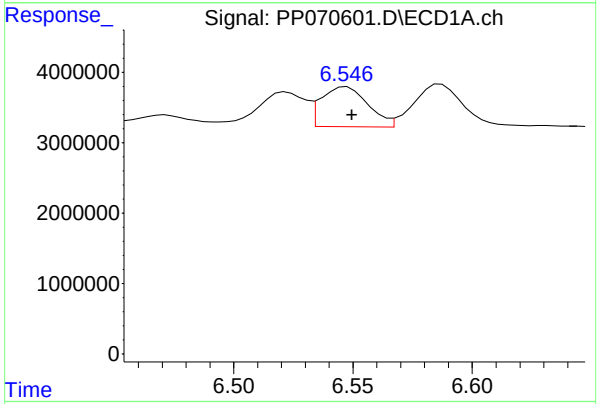
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



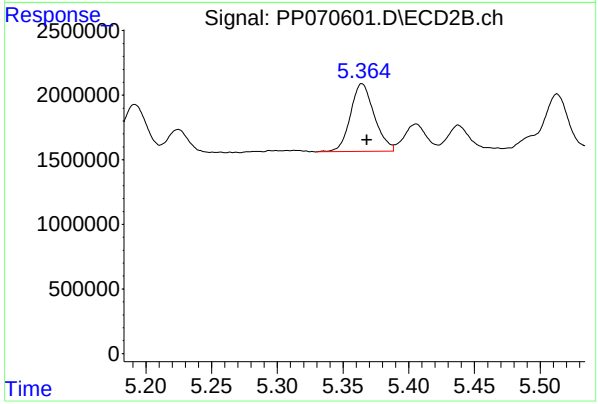
#23 AR-1248-3

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 4750698
Conc: 149.76 ng/ml



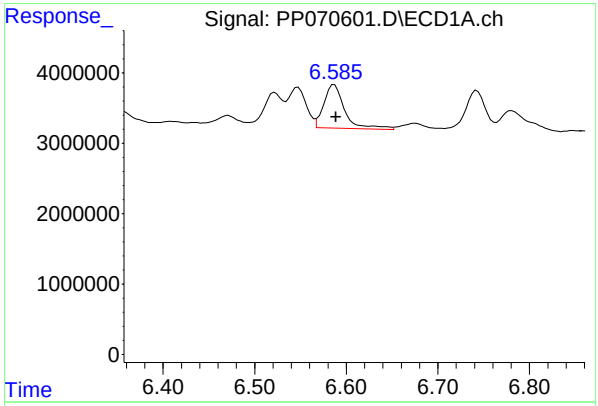
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.002 min
Response: 7792656
Conc: 134.38 ng/ml



#24 AR-1248-4

R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 6628430
Conc: 170.08 ng/ml



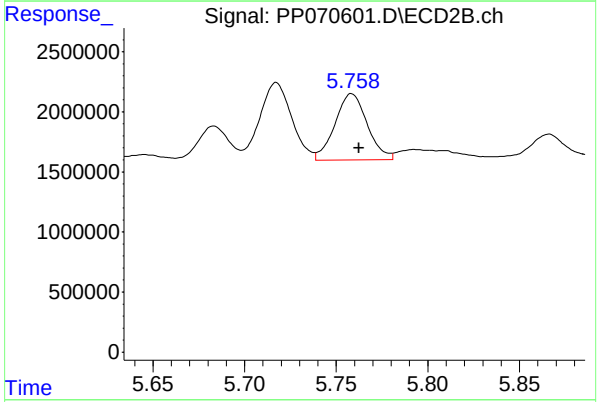
#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 9902447
Conc: 184.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4

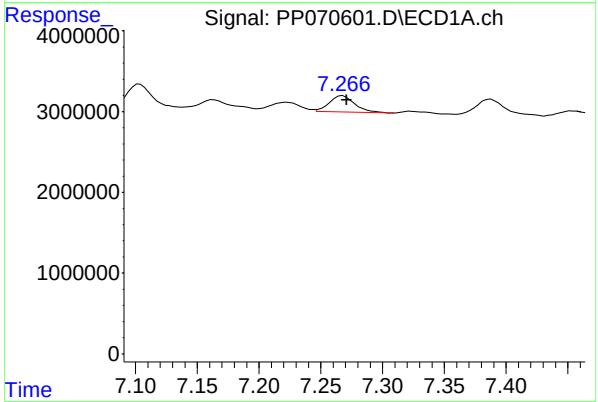
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



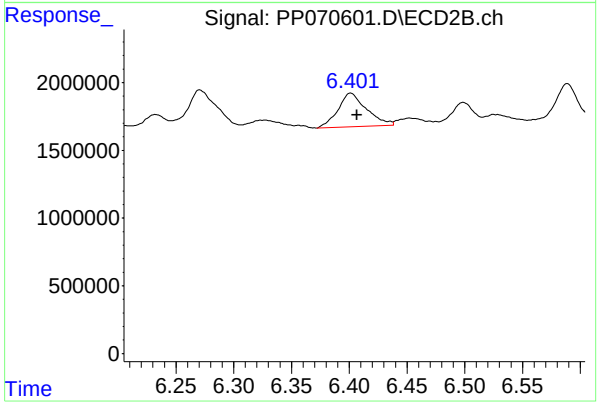
#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 6783105
Conc: 178.10 ng/ml



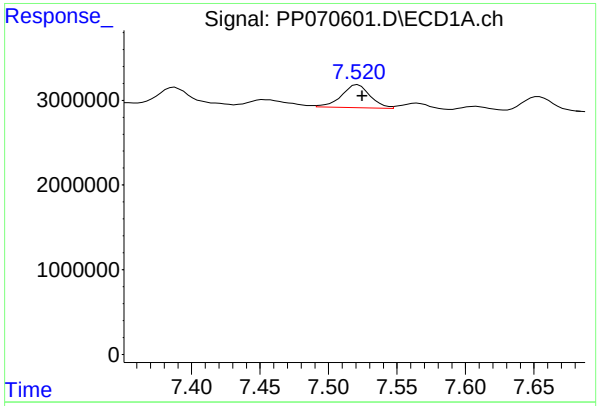
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 2909322
Conc: 49.53 ng/ml



#31 AR-1260-1

R.T.: 6.401 min
Delta R.T.: -0.005 min
Response: 4295884
Conc: 86.29 ng/ml



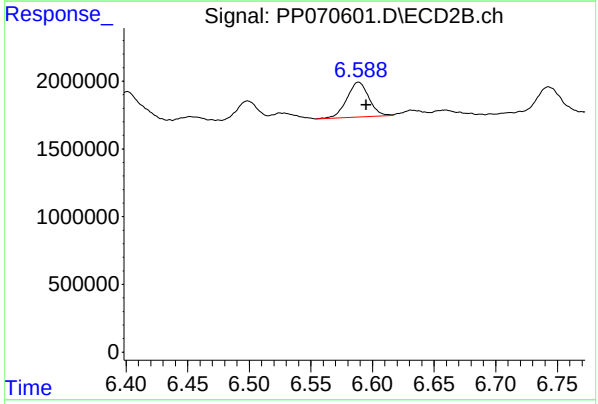
#32 AR-1260-2

R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 3931901
Conc: 47.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4

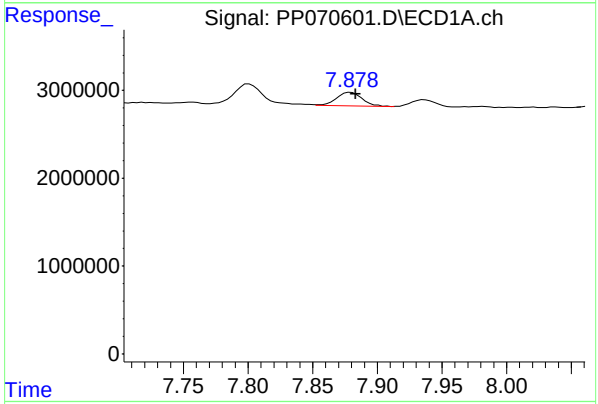
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



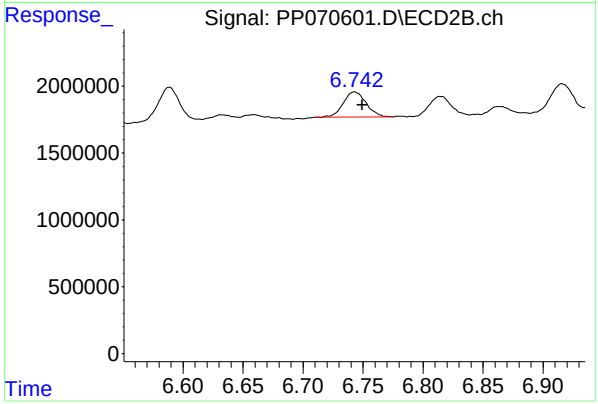
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 3182644
Conc: 48.16 ng/ml



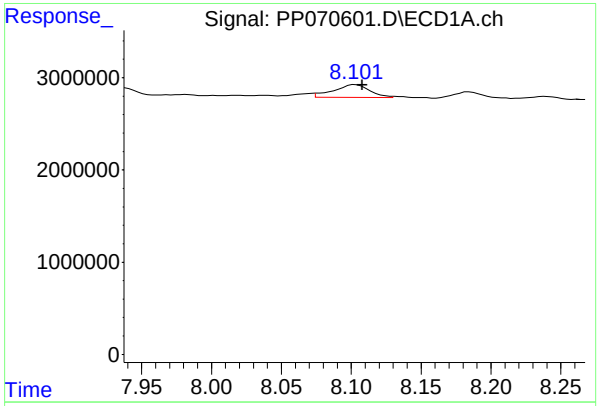
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 2129434
Conc: 32.38 ng/ml



#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 2524870
Conc: 44.14 ng/ml



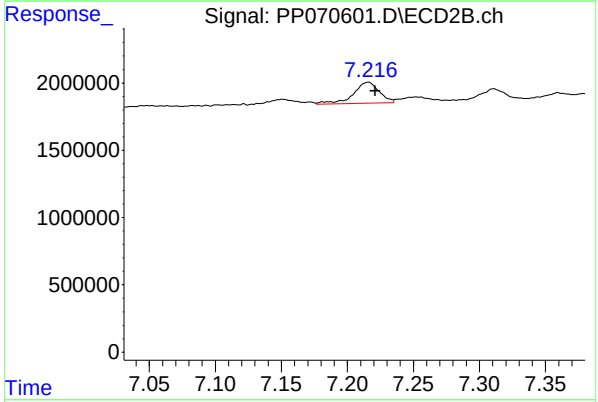
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.006 min
Response: 2433068
Conc: 37.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4

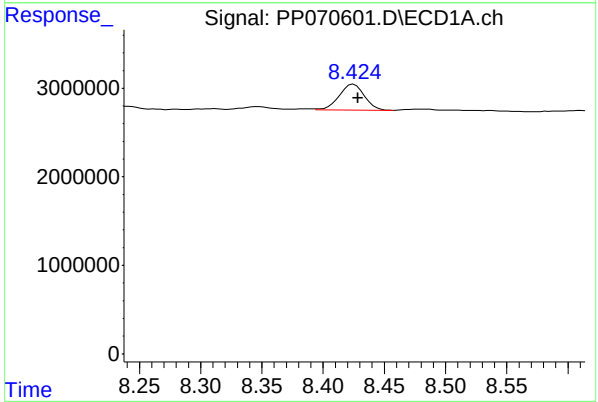
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



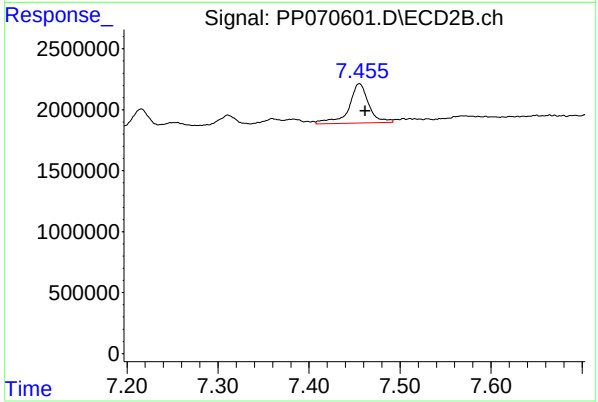
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 2128289
Conc: 41.60 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 4214981
Conc: 30.84 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 4901416
Conc: 38.06 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC5	SDG No.:	Q1573
Lab Sample ID:	Q1573-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	63.5 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070609.D	1	03/17/25 08:35	03/17/25 19:58	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	26.7	U	6.20	26.7	ug/kg
11104-28-2	Aroclor-1221	26.7	U	6.30	26.7	ug/kg
11141-16-5	Aroclor-1232	26.7	U	5.80	26.7	ug/kg
53469-21-9	Aroclor-1242	26.7	U	6.30	26.7	ug/kg
12672-29-6	Aroclor-1248	85.7		9.30	26.7	ug/kg
11097-69-1	Aroclor-1254	26.7	U	5.00	26.7	ug/kg
37324-23-5	Aroclor-1262	26.7	U	7.90	26.7	ug/kg
11100-14-4	Aroclor-1268	26.7	U	5.70	26.7	ug/kg
11096-82-5	Aroclor-1260	32.1		5.10	26.7	ug/kg
Total PCBs	Total PCBs	118		14.4	26.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.6		32 - 144	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.89		32 - 175	34%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:58
Operator : YP\AJ
Sample : Q1573-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	23052779	15643848	14.821	15.608
2)	SA Decachlor...	10.242	8.870	6504537	6745098	6.123	6.894m
	Target Compounds						
21)	L5 AR-1248-1	5.678	4.914	2448331	923736	71.681m	39.349m#
22)	L5 AR-1248-2	5.944	5.148	6016892	4382922	141.750	140.014
23)	L5 AR-1248-3	6.146	5.190	6997408	4820418	151.628	151.960
24)	L5 AR-1248-4	6.546	5.363	10303861	6516530	177.680	167.206
25)	L5 AR-1248-5	6.585	5.756	14816828	10364372	275.984	272.126
31)	L7 AR-1260-1	7.266	6.400	3654466	5406767	62.216	108.604 #
32)	L7 AR-1260-2	7.519	6.587	5054789	3330796	61.611	50.400
33)	L7 AR-1260-3	7.878	6.741	2949699	3219668	44.857	56.291 #
34)	L7 AR-1260-4	8.101	7.213	3949107	2365442	60.437	46.233
35)	L7 AR-1260-5	8.422	7.454	5549769	5822867	40.605	45.214

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

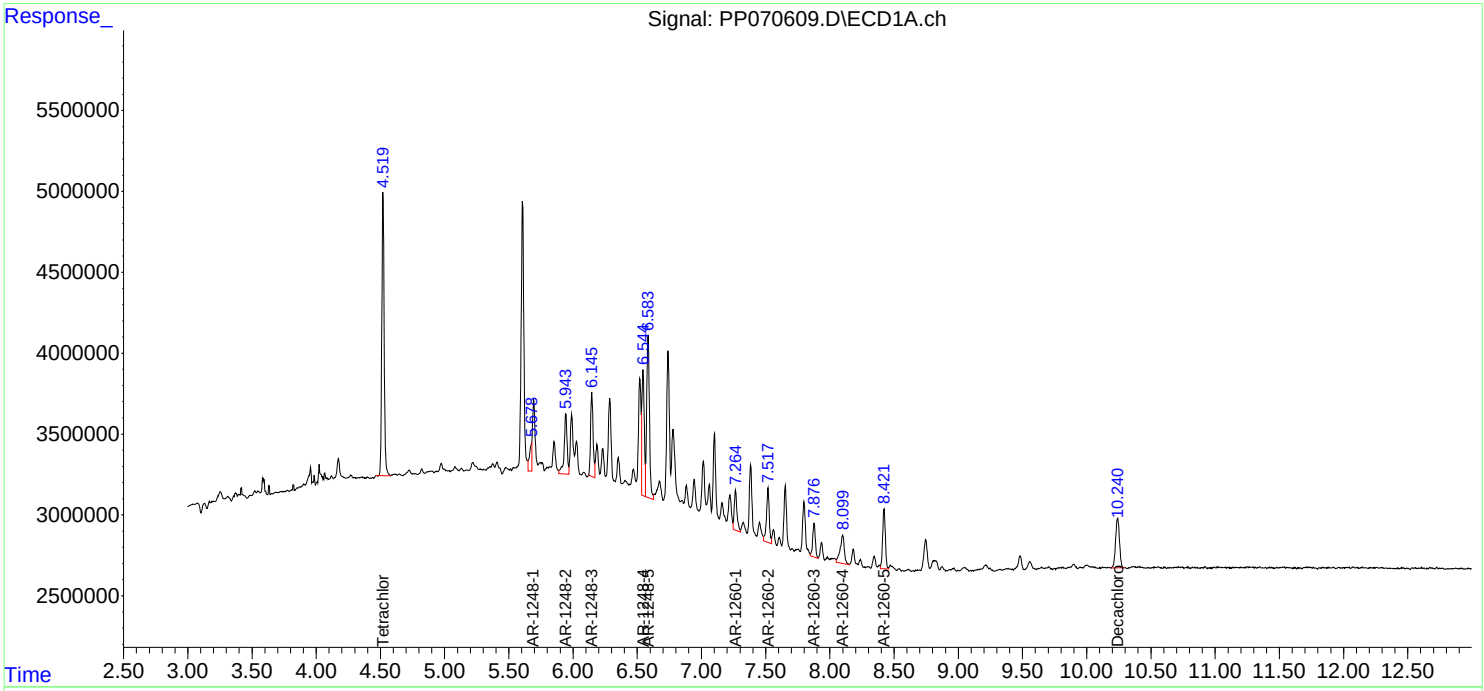
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:58
Operator : YP\AJ
Sample : Q1573-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

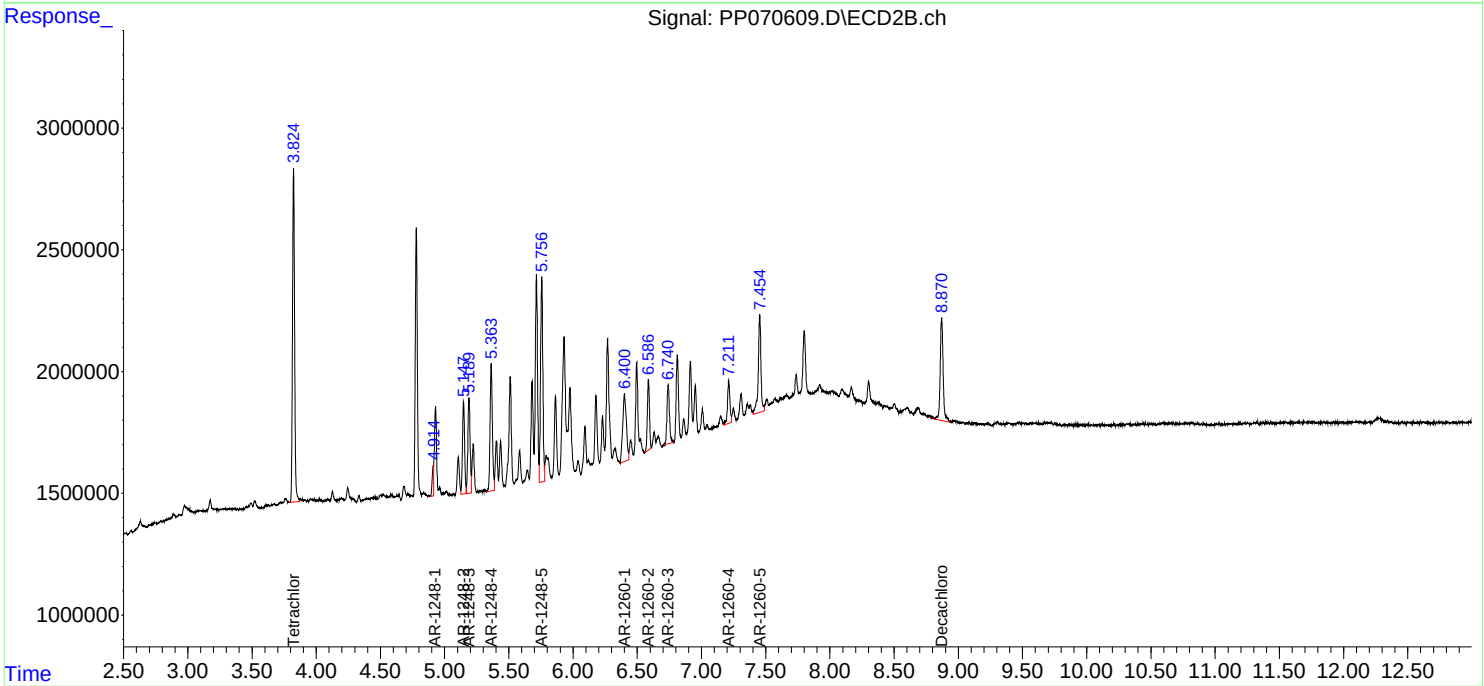
Instrument :
ECD_P
ClientSampleId :
C0AC5

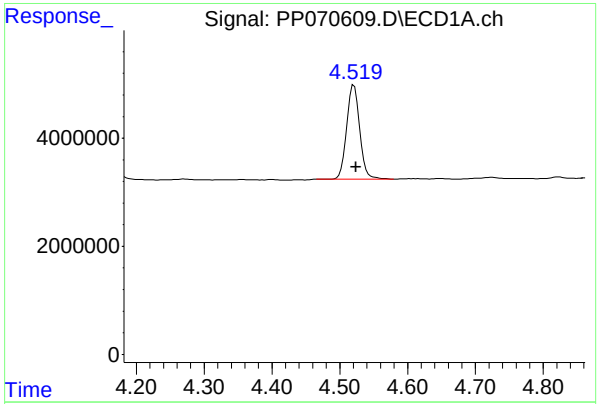
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







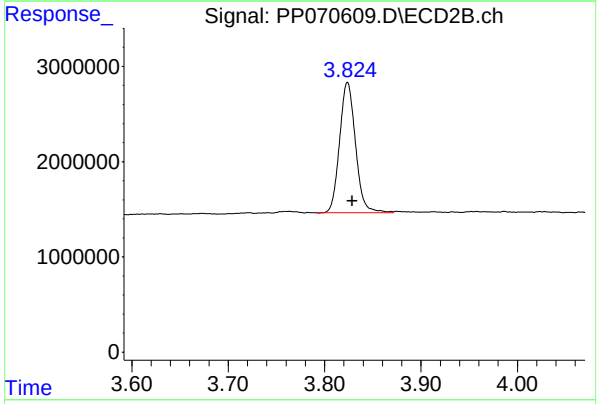
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 23052779
Conc: 14.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC5

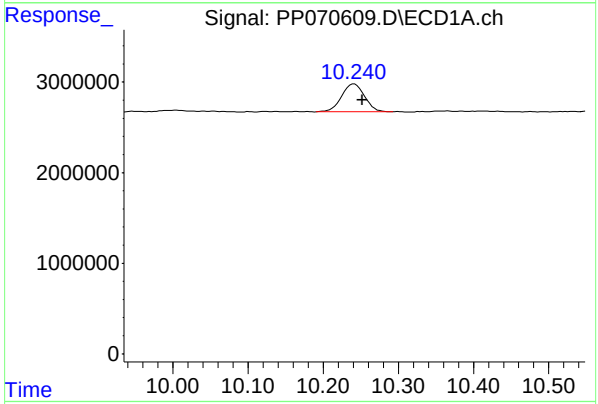
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



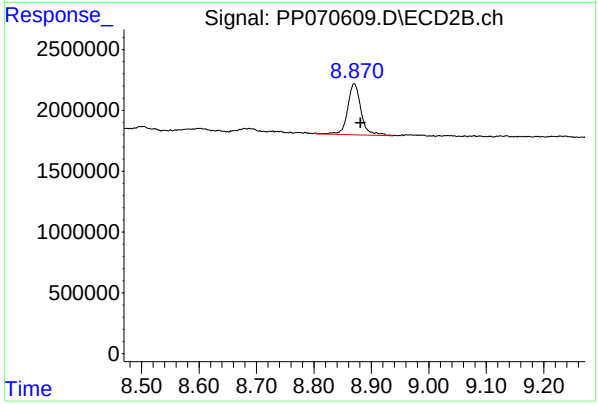
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 15643848
Conc: 15.61 ng/ml



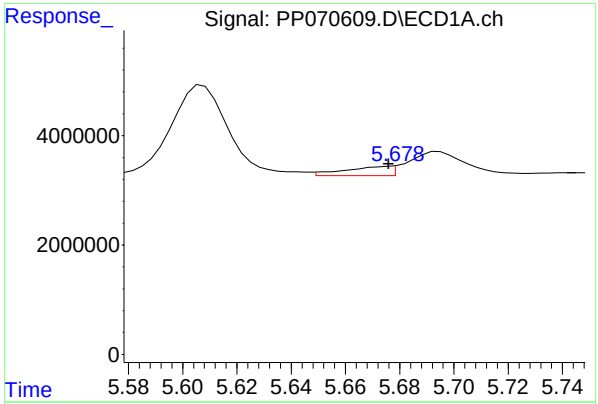
#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 6504537
Conc: 6.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 6745098
Conc: 6.89 ng/ml m



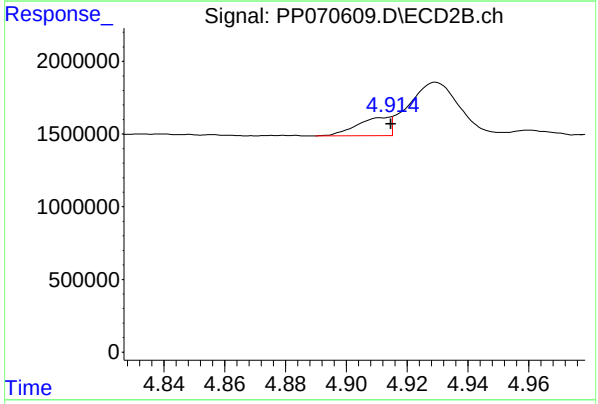
#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 mi
Response: 2448331
Conc: 71.68 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC5

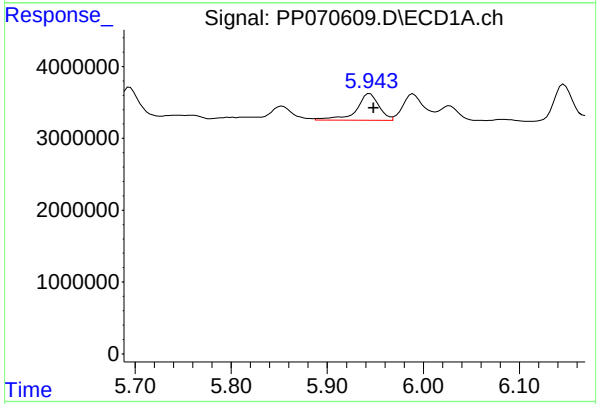
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



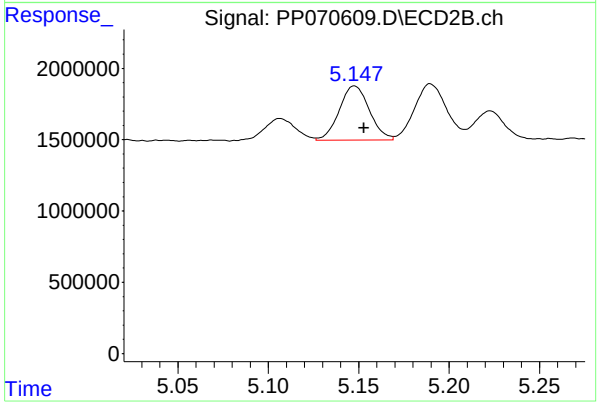
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 923736
Conc: 39.35 ng/ml m



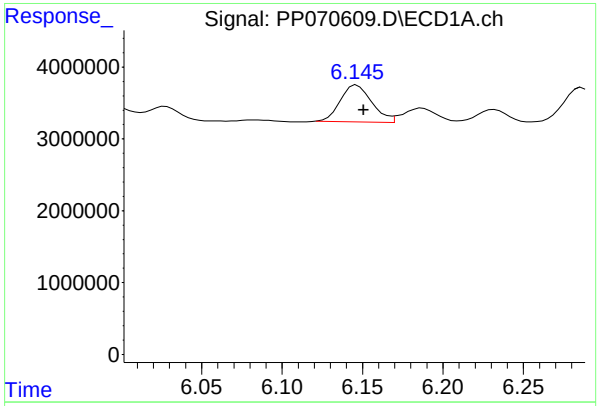
#22 AR-1248-2

R.T.: 5.944 min
Delta R.T.: -0.004 min
Response: 6016892
Conc: 141.75 ng/ml



#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 4382922
Conc: 140.01 ng/ml



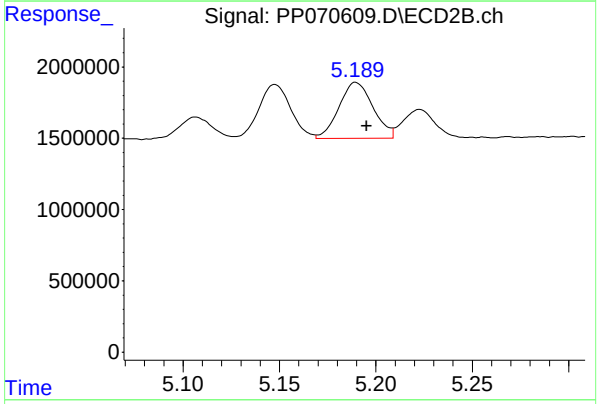
#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.004 min
Response: 6997408
Conc: 151.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC5

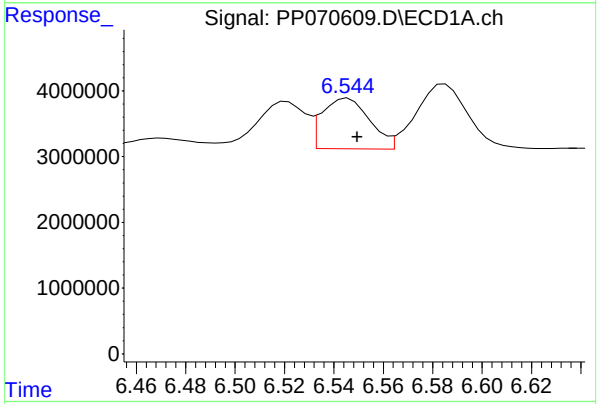
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



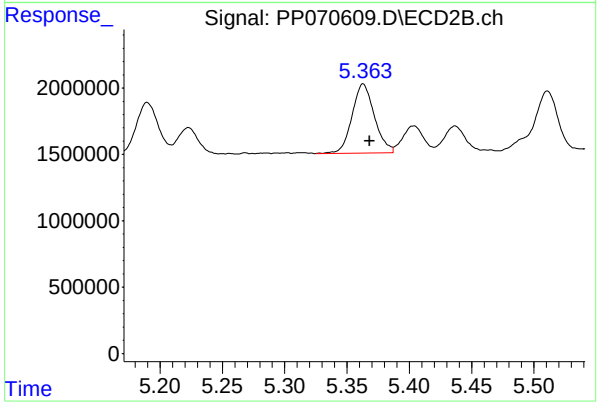
#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.005 min
Response: 4820418
Conc: 151.96 ng/ml



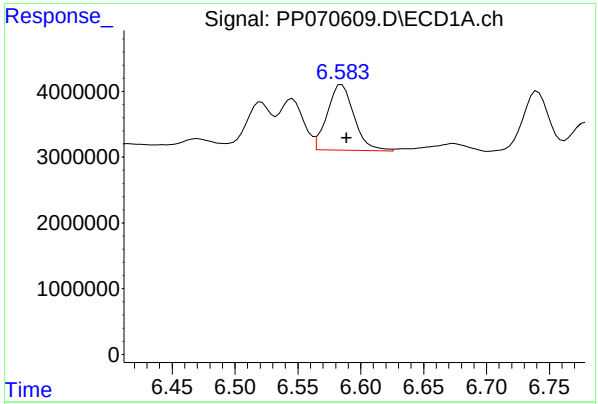
#24 AR-1248-4

R.T.: 6.546 min
Delta R.T.: -0.004 min
Response: 10303861
Conc: 177.68 ng/ml



#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 6516530
Conc: 167.21 ng/ml



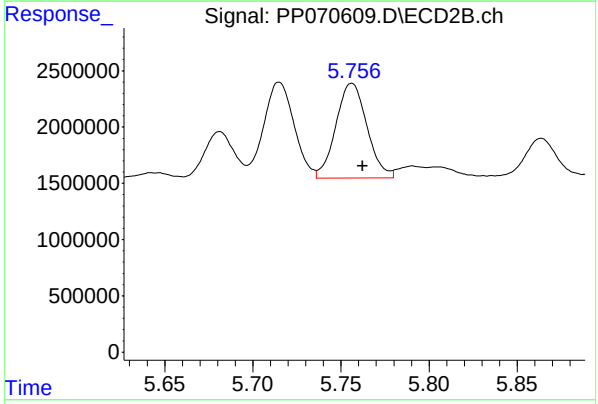
#25 AR-1248-5

R.T.: 6.585 min
Delta R.T.: -0.004 min
Response: 14816828
Conc: 275.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC5

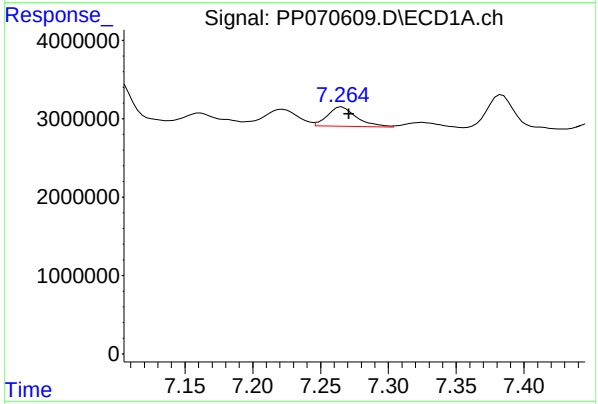
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



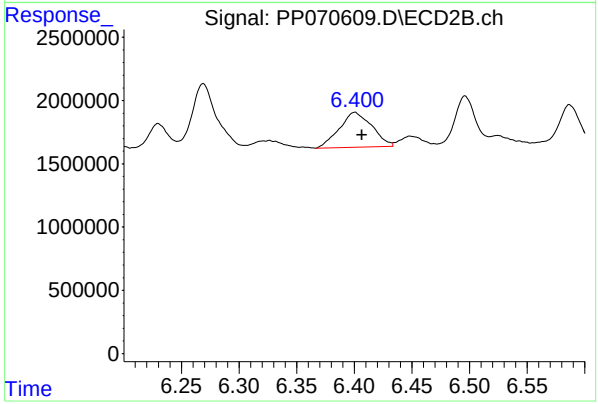
#25 AR-1248-5

R.T.: 5.756 min
Delta R.T.: -0.006 min
Response: 10364372
Conc: 272.13 ng/ml



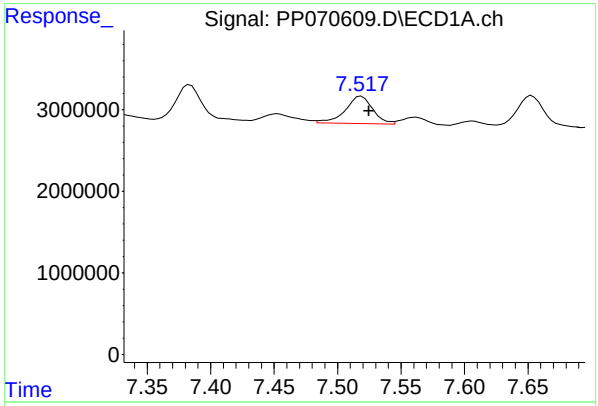
#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 3654466
Conc: 62.22 ng/ml



#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 5406767
Conc: 108.60 ng/ml



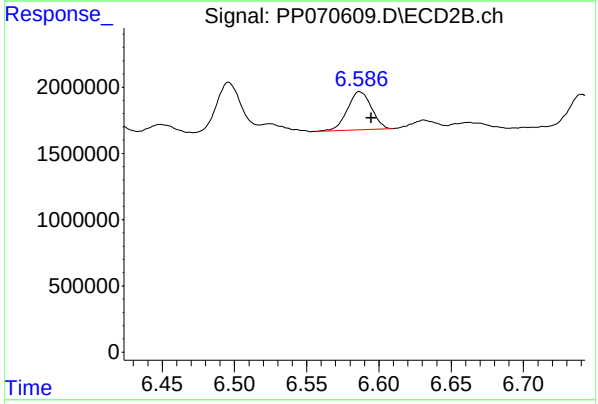
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.006 min
Response: 5054789
Conc: 61.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC5

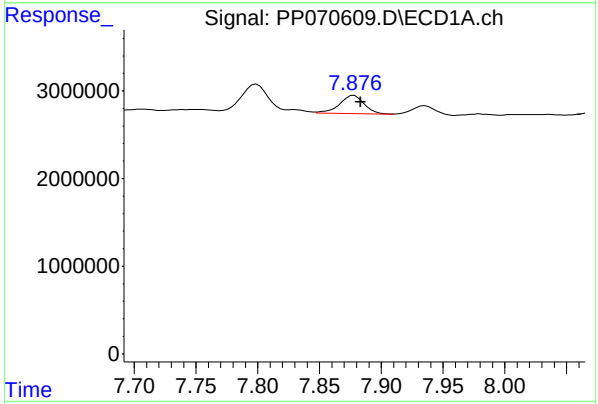
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



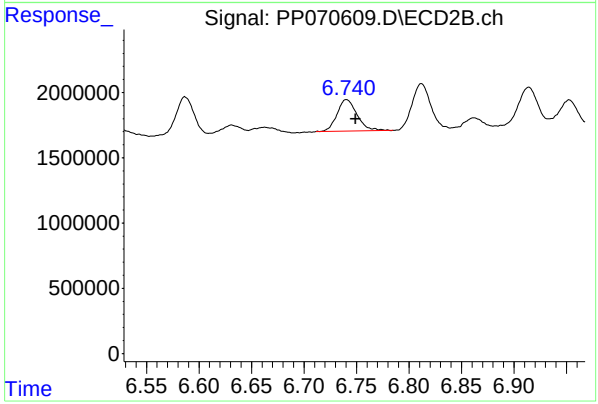
#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 3330796
Conc: 50.40 ng/ml



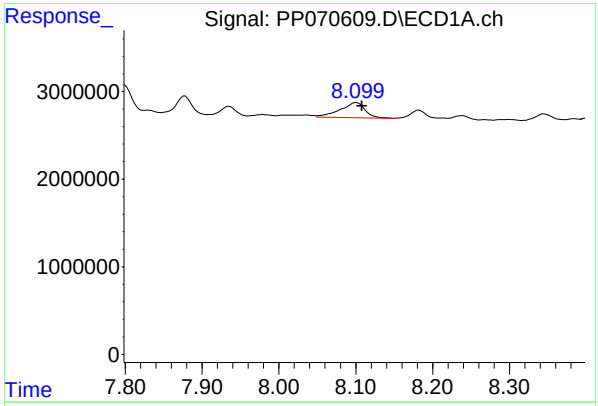
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 2949699
Conc: 44.86 ng/ml



#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 3219668
Conc: 56.29 ng/ml



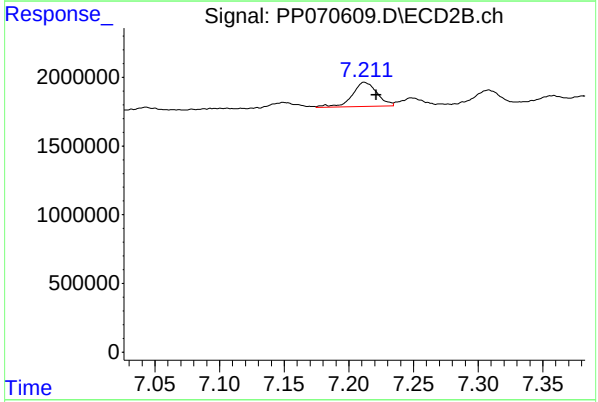
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 3949107
Conc: 60.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC5

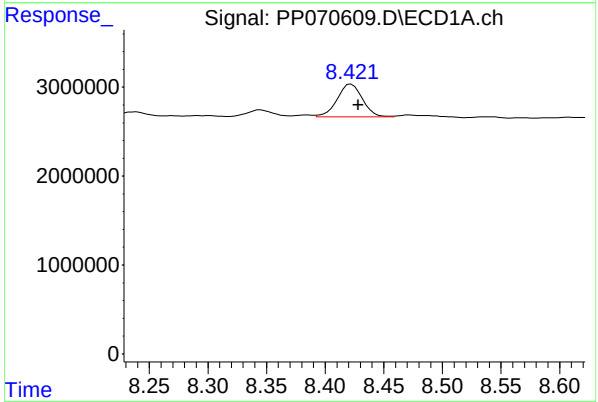
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



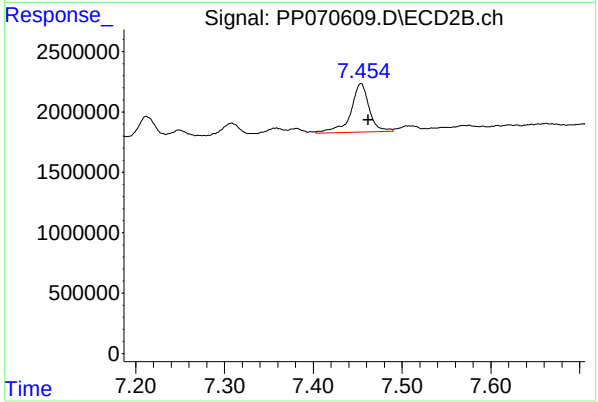
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.009 min
Response: 2365442
Conc: 46.23 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 5549769
Conc: 40.60 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 5822867
Conc: 45.21 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC6	SDG No.:	Q1573
Lab Sample ID:	Q1573-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	62.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070644.D	1	03/17/25 08:35	03/18/25 09:42	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	27.0	U	6.30	27.0	ug/kg
11104-28-2	Aroclor-1221	27.0	U	6.40	27.0	ug/kg
11141-16-5	Aroclor-1232	27.0	U	5.90	27.0	ug/kg
53469-21-9	Aroclor-1242	27.0	U	6.40	27.0	ug/kg
12672-29-6	Aroclor-1248	35.2		9.40	27.0	ug/kg
11097-69-1	Aroclor-1254	27.0	U	5.10	27.0	ug/kg
37324-23-5	Aroclor-1262	27.0	U	8.00	27.0	ug/kg
11100-14-4	Aroclor-1268	27.0	U	5.70	27.0	ug/kg
11096-82-5	Aroclor-1260	21.8	J	5.10	27.0	ug/kg
Total PCBs	Total PCBs	57.0		14.5	27.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.1		32 - 144	66%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 175	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)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:42
Operator : YP\AJ
Sample : Q1573-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC6

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 01:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.822	17920255	13142074	11.521	13.112
2)	SA Decachlor...	10.241	8.868	18453274	16800214	17.370	17.172
	Target Compounds						
21)	L5 AR-1248-1	5.673	4.912	1095092	649289	32.062m	27.658m
22)	L5 AR-1248-2	5.943	5.146	3418082	2196609	80.525	70.171
23)	L5 AR-1248-3	6.146	5.187	2727393	2163586	59.100	68.206
24)	L5 AR-1248-4	6.545	5.360	3195668	2654226	55.106m	68.104
25)	L5 AR-1248-5	6.583	5.754	4652319	3749122	86.656m	98.437
31)	L7 AR-1260-1	7.265	6.397	2921970	3105834	49.746	62.386 #
32)	L7 AR-1260-2	7.519	6.584	3497187	2333431	42.626	35.308
33)	L7 AR-1260-3	7.877	6.740	2031265	1963124	30.890	34.322
34)	L7 AR-1260-4	8.101	7.210	2997180	1947222	45.869	38.059
35)	L7 AR-1260-5	8.421	7.451	4423252	4563471	32.363	35.435

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

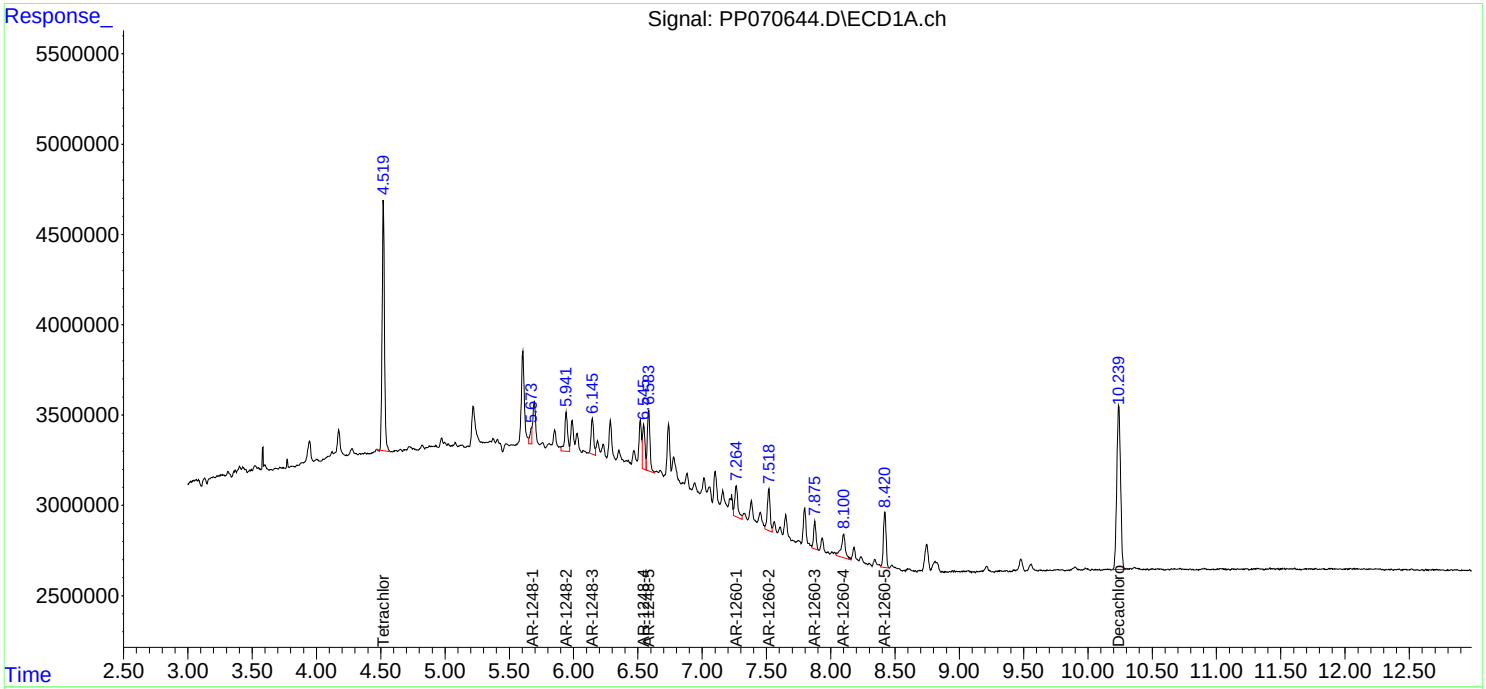
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:42
Operator : YP\AJ
Sample : Q1573-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

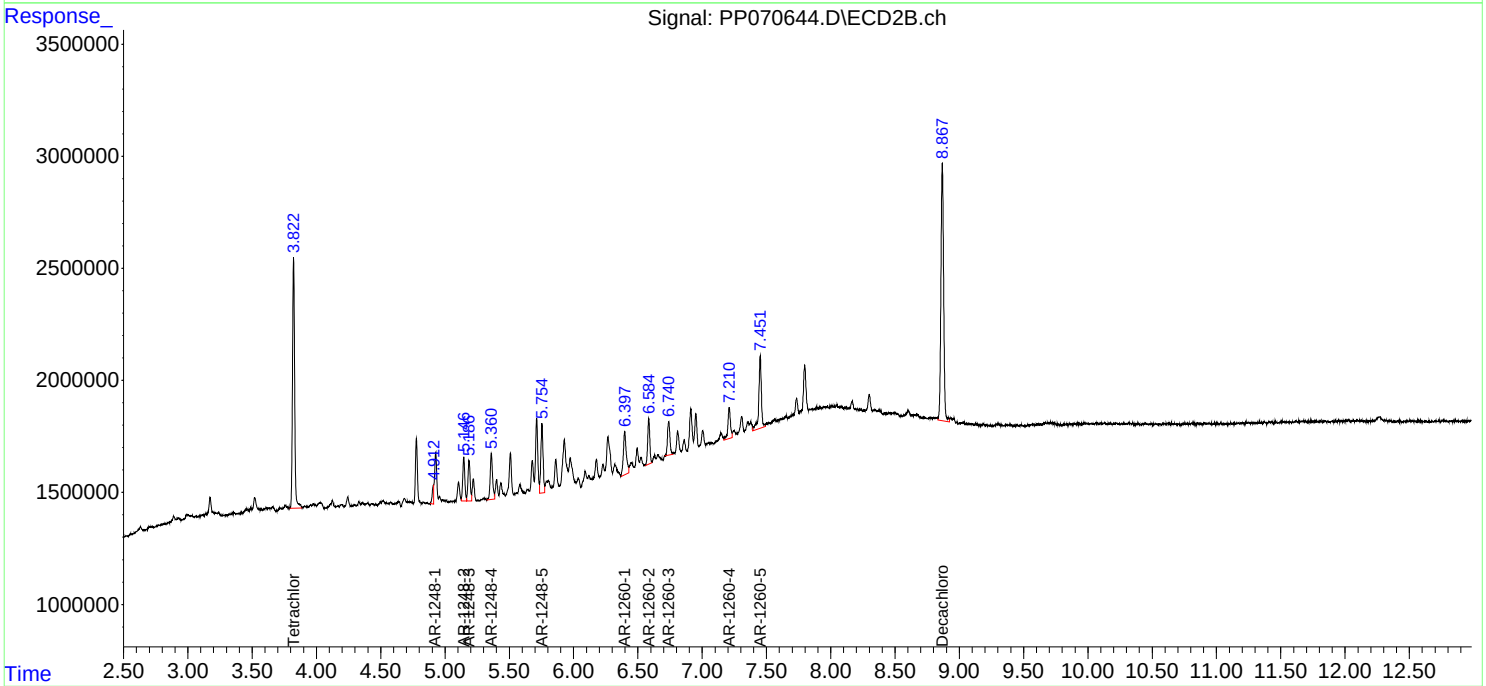
Instrument :
ECD_P
ClientSampleId :
C0AC6

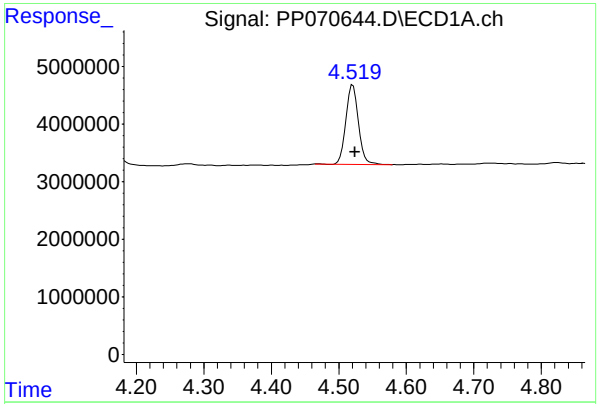
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







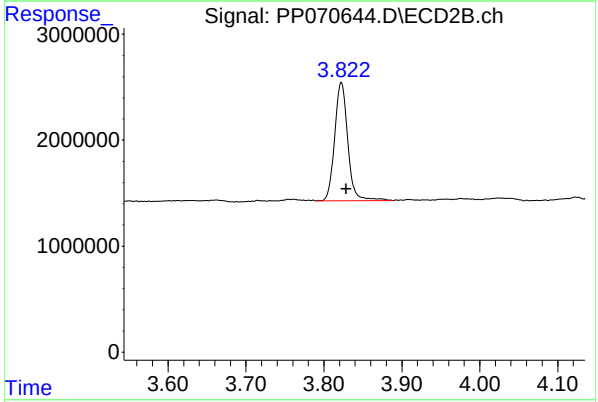
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 17920255
Conc: 11.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC6

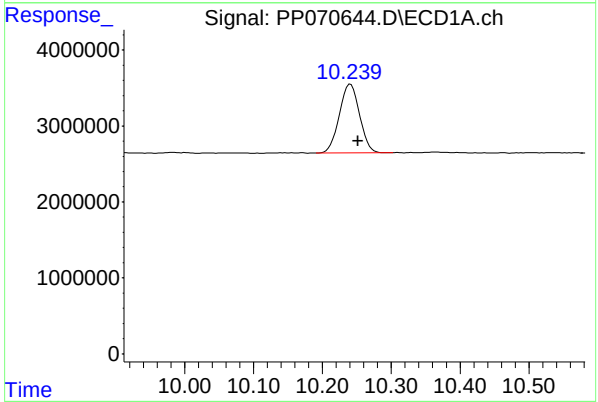
Manual Integrations
APPROVED

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



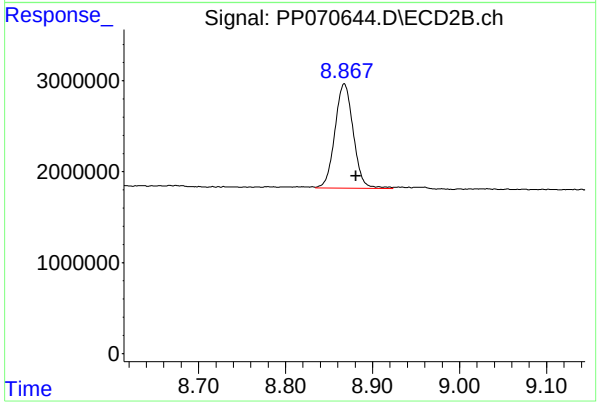
#1 Tetrachloro-m-xylene

R.T.: 3.822 min
Delta R.T.: -0.006 min
Response: 13142074
Conc: 13.11 ng/ml



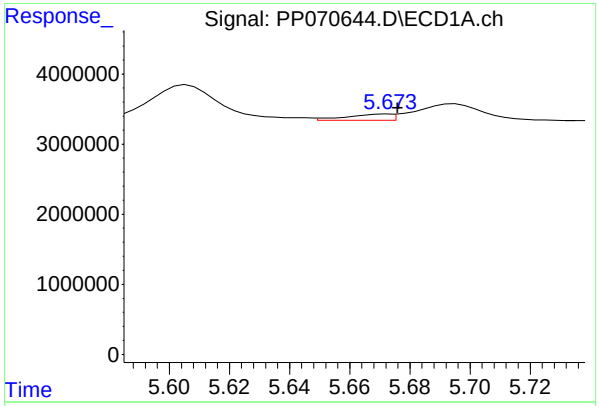
#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 18453274
Conc: 17.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.014 min
Response: 16800214
Conc: 17.17 ng/ml



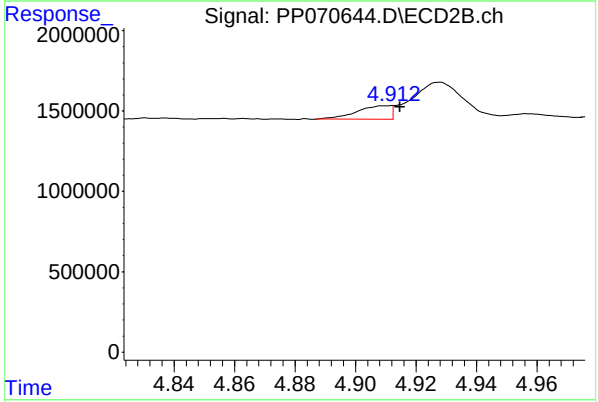
#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.003 min
Response: 1095092
Conc: 32.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC6

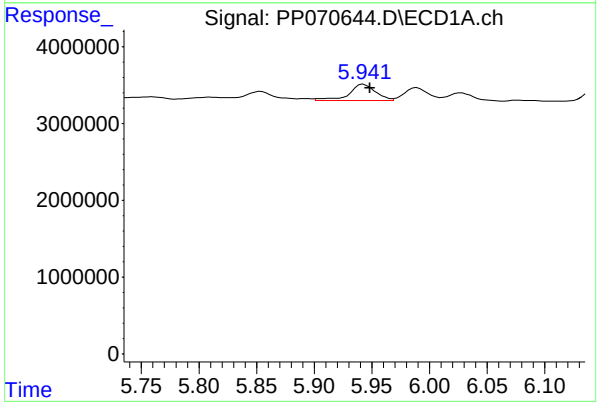
Manual Integrations APPROVED

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



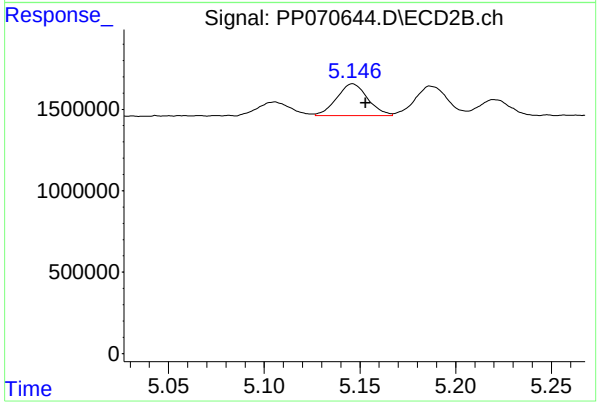
#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 649289
Conc: 27.66 ng/ml m



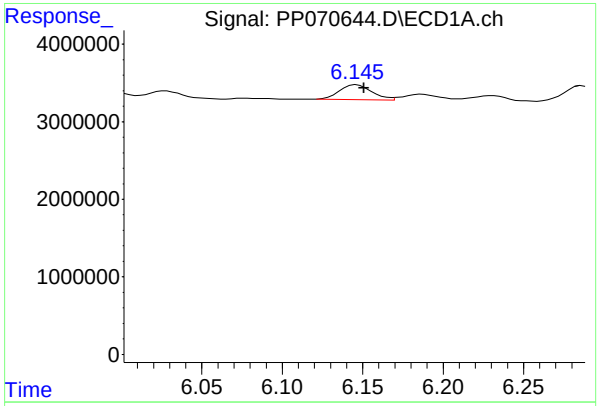
#22 AR-1248-2

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 3418082
Conc: 80.53 ng/ml



#22 AR-1248-2

R.T.: 5.146 min
Delta R.T.: -0.007 min
Response: 2196609
Conc: 70.17 ng/ml



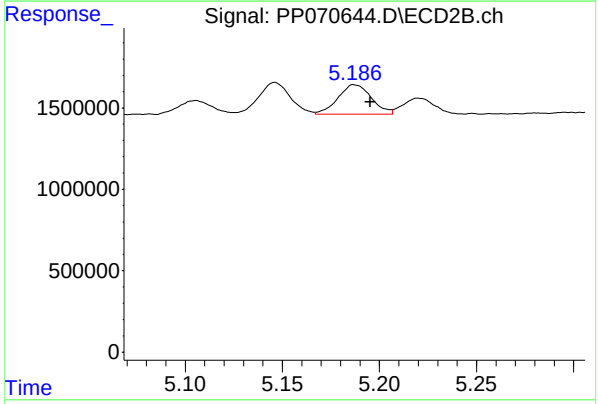
#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.005 mi
Response: 2727393
Conc: 59.10 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC6

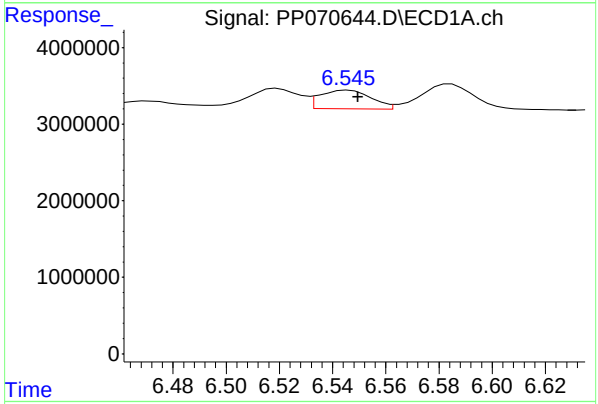
Manual Integrations
APPROVED

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



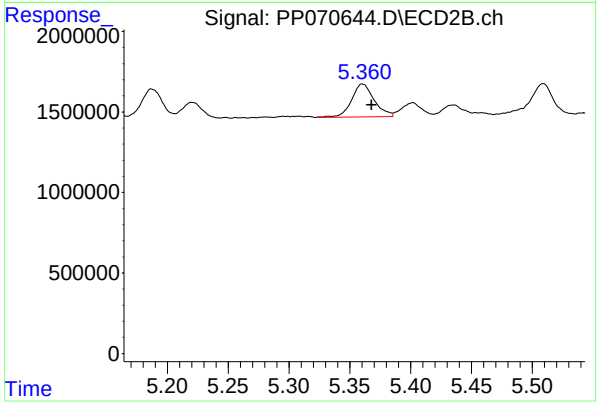
#23 AR-1248-3

R.T.: 5.187 min
Delta R.T.: -0.008 min
Response: 2163586
Conc: 68.21 ng/ml



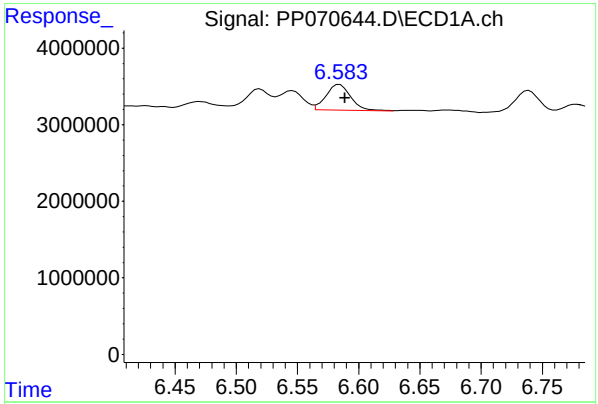
#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.005 min
Response: 3195668
Conc: 55.11 ng/ml m



#24 AR-1248-4

R.T.: 5.360 min
Delta R.T.: -0.008 min
Response: 2654226
Conc: 68.10 ng/ml



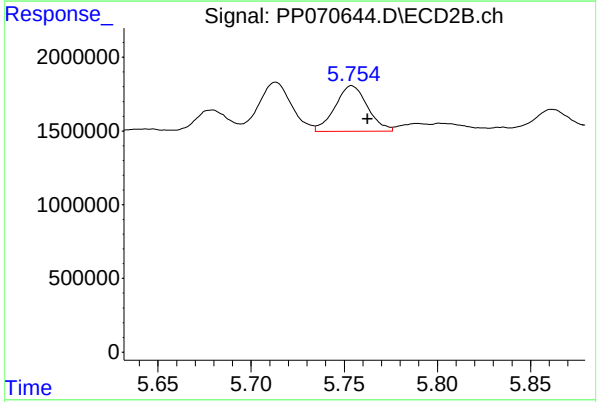
#25 AR-1248-5

R.T.: 6.583 min
Delta R.T.: -0.006 min
Response: 4652319
Conc: 86.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC6

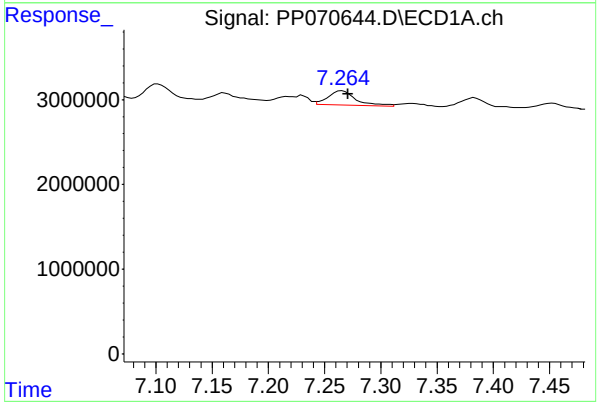
Manual Integrations APPROVED

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



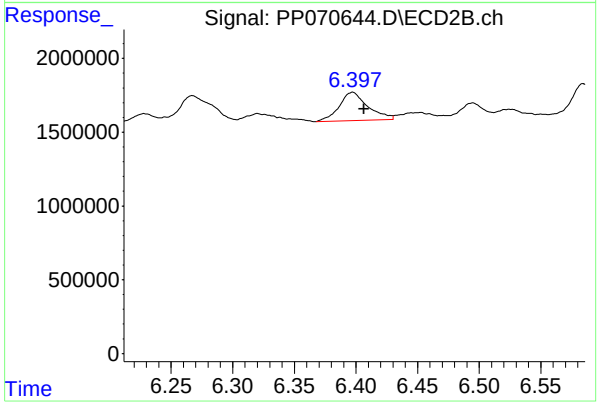
#25 AR-1248-5

R.T.: 5.754 min
Delta R.T.: -0.008 min
Response: 3749122
Conc: 98.44 ng/ml



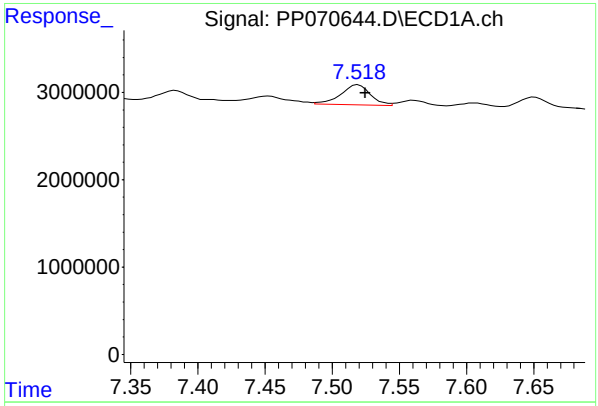
#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 min
Response: 2921970
Conc: 49.75 ng/ml



#31 AR-1260-1

R.T.: 6.397 min
Delta R.T.: -0.009 min
Response: 3105834
Conc: 62.39 ng/ml



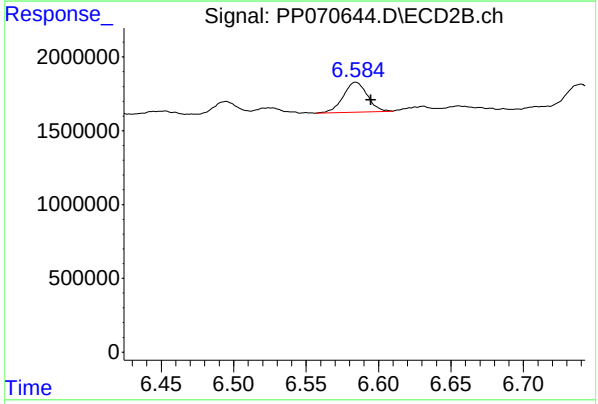
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 min
Response: 3497187
Conc: 42.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC6

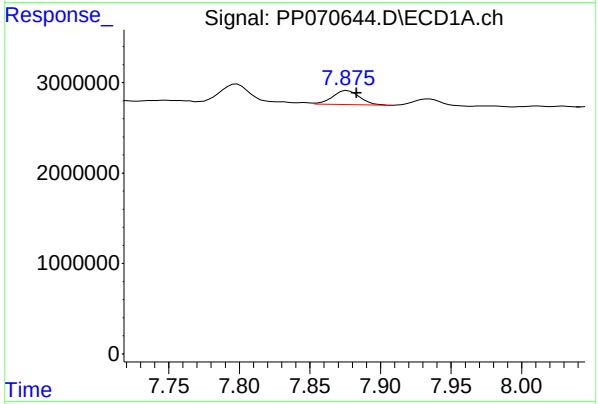
Manual Integrations
APPROVED

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



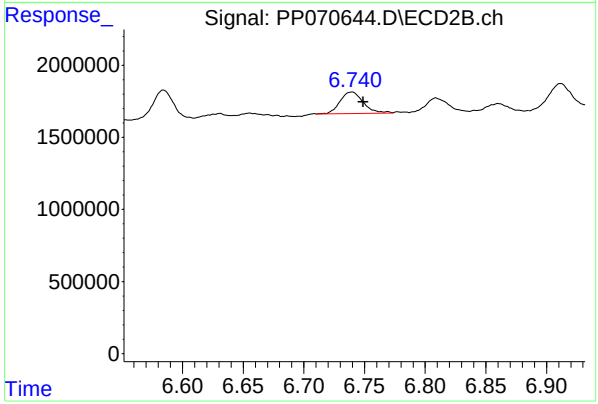
#32 AR-1260-2

R.T.: 6.584 min
Delta R.T.: -0.011 min
Response: 2333431
Conc: 35.31 ng/ml



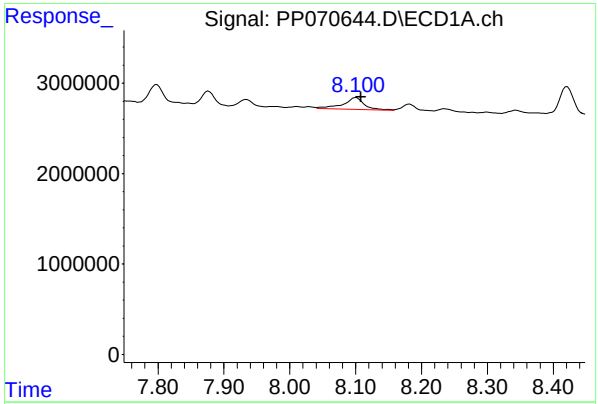
#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.007 min
Response: 2031265
Conc: 30.89 ng/ml



#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 1963124
Conc: 34.32 ng/ml



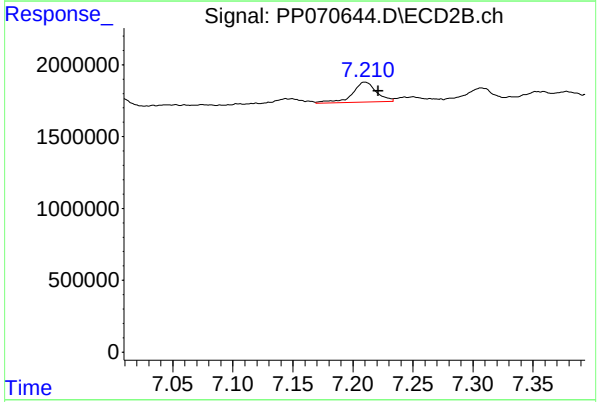
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 2997180
Conc: 45.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC6

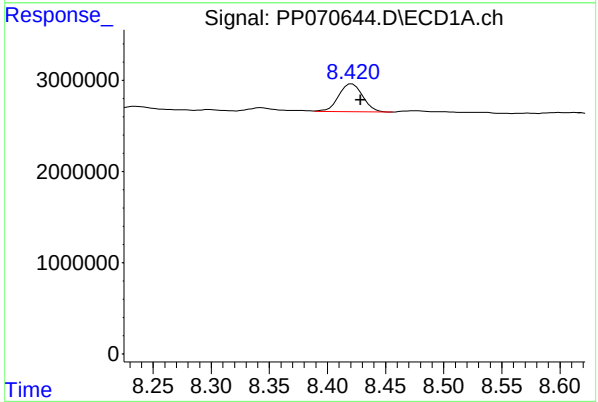
Manual Integrations APPROVED

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



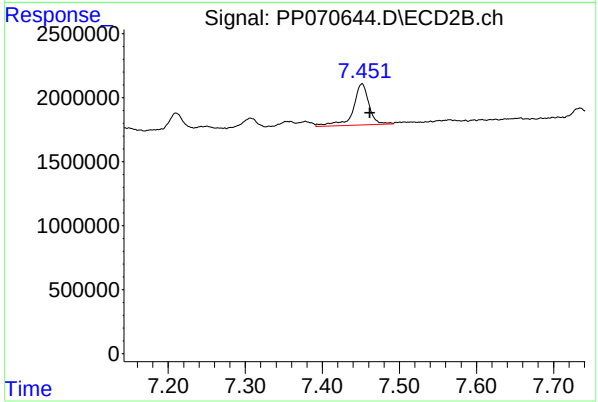
#34 AR-1260-4

R.T.: 7.210 min
Delta R.T.: -0.011 min
Response: 1947222
Conc: 38.06 ng/ml



#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.007 min
Response: 4423252
Conc: 32.36 ng/ml



#35 AR-1260-5

R.T.: 7.451 min
Delta R.T.: -0.010 min
Response: 4563471
Conc: 35.43 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC8	SDG No.:	Q1573
Lab Sample ID:	Q1573-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	59.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070611.D	1	03/17/25 08:35	03/17/25 20:30	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	28.7	U	6.70	28.7	ug/kg
11104-28-2	Aroclor-1221	28.7	U	6.80	28.7	ug/kg
11141-16-5	Aroclor-1232	28.7	U	6.30	28.7	ug/kg
53469-21-9	Aroclor-1242	28.7	U	6.80	28.7	ug/kg
12672-29-6	Aroclor-1248	153		10.0	28.7	ug/kg
11097-69-1	Aroclor-1254	28.7	U	5.40	28.7	ug/kg
37324-23-5	Aroclor-1262	28.7	U	8.50	28.7	ug/kg
11100-14-4	Aroclor-1268	28.7	U	6.10	28.7	ug/kg
11096-82-5	Aroclor-1260	35.9		5.40	28.7	ug/kg
Total PCBs	Total PCBs	188		15.4	28.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		32 - 144	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.11		32 - 175	36%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:30
Operator : YP\AJ
Sample : Q1573-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC8

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	24457767	17751652	15.725	17.711
2)	SA Decachlor...	10.239	8.870	7223905	6959179	6.800	7.113
	Target Compounds						
21)	L5 AR-1248-1	5.673	4.914	2914624	1987170	85.333m	84.649m
22)	L5 AR-1248-2	5.942	5.148	12097899	9349520	285.010	298.674
23)	L5 AR-1248-3	6.145	5.190	11697863	9793672	253.482	308.739
24)	L5 AR-1248-4	6.543	5.363	13236621	10932184	228.252	280.505
25)	L5 AR-1248-5	6.582	5.757	21239414	14659070	395.613	384.887
31)	L7 AR-1260-1	7.264	6.400	4408642	6412553	75.056	128.807 #
32)	L7 AR-1260-2	7.516	6.587	5832082	3412484	71.086	51.636 #
33)	L7 AR-1260-3	7.875	6.741	2565705	3390772	39.018	59.282 #
34)	L7 AR-1260-4	8.099	7.213	3675131	2277647	56.244	44.517
35)	L7 AR-1260-5	8.420	7.454	4756016	4559948	34.797	35.407

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:30
Operator : YP\AJ
Sample : Q1573-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

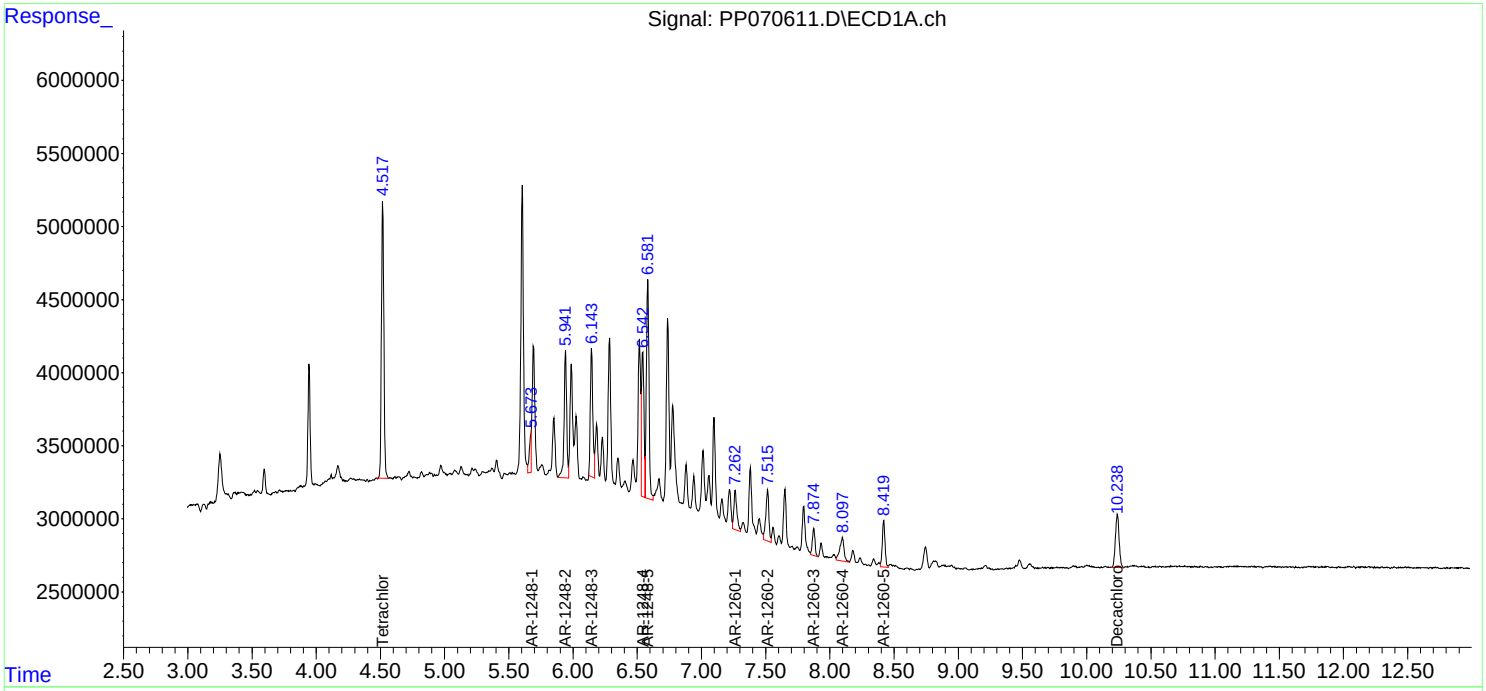
Instrument :
ECD_P
ClientSampleId :
C0AC8

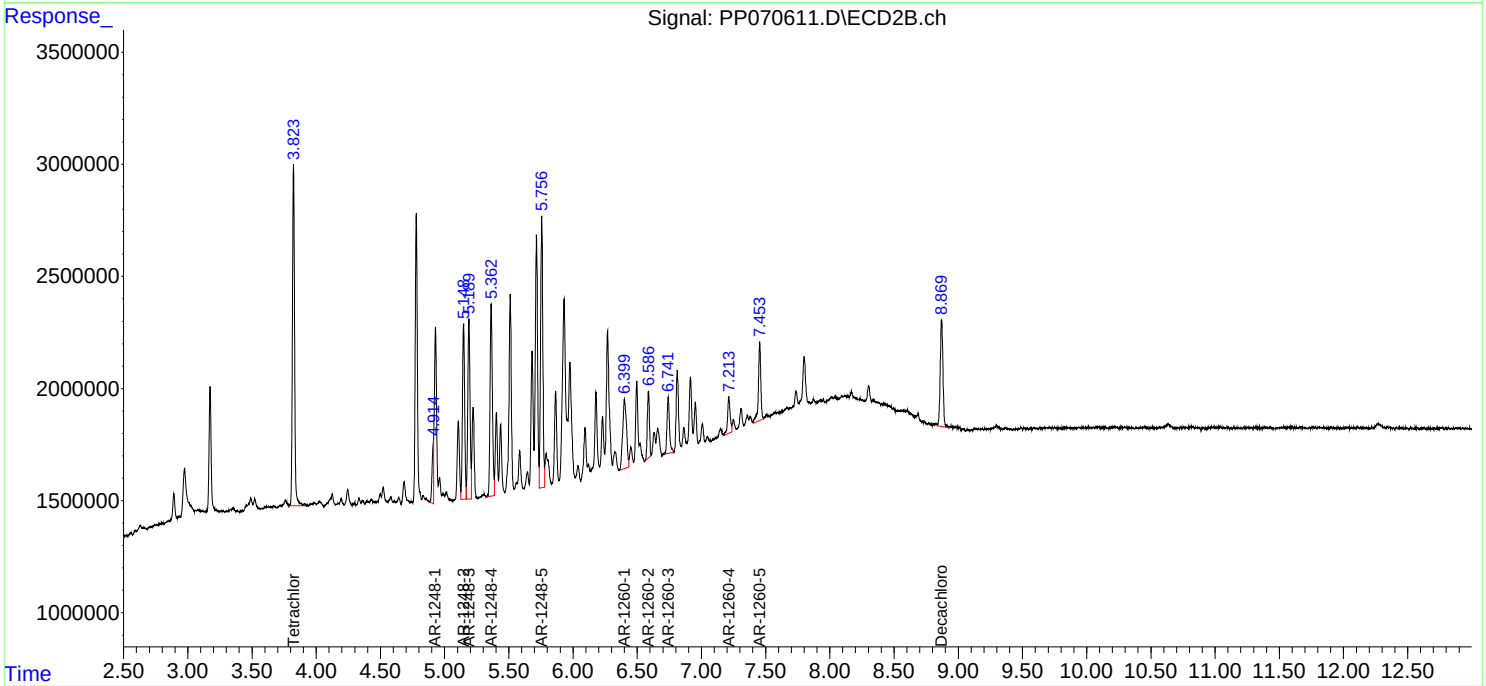
Manual Integrations APPROVED

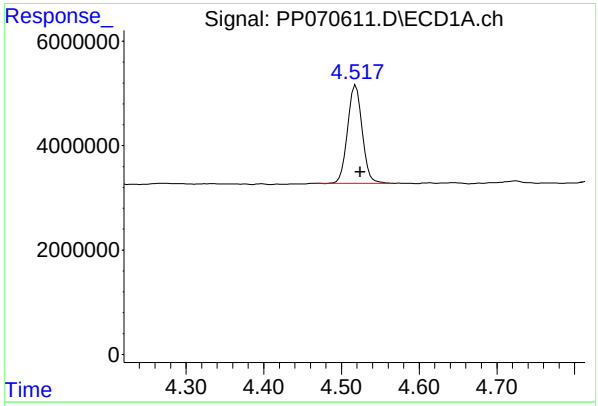
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







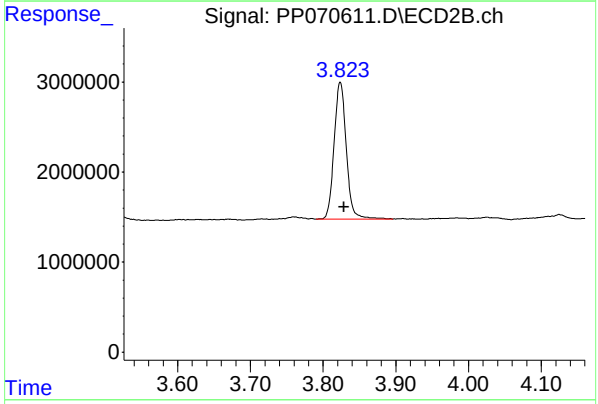
#1 Tetrachloro-m-xylene

R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 24457767
Conc: 15.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC8

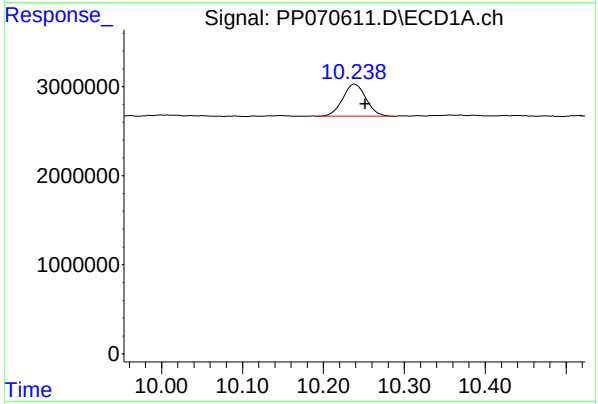
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



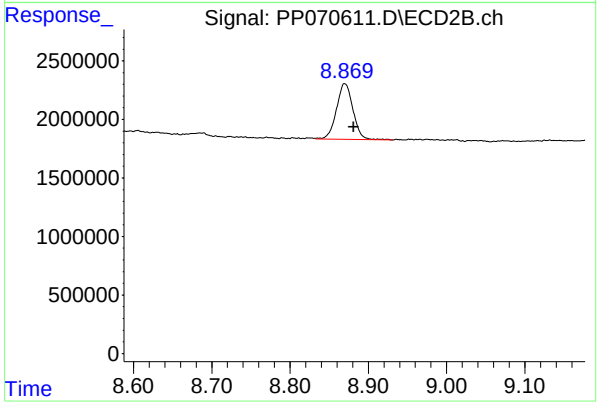
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 17751652
Conc: 17.71 ng/ml



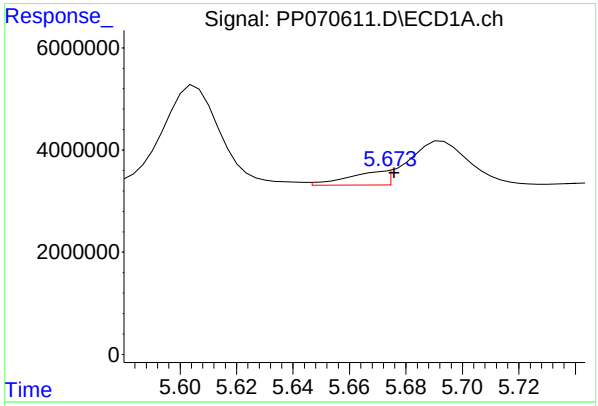
#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 7223905
Conc: 6.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 6959179
Conc: 7.11 ng/ml



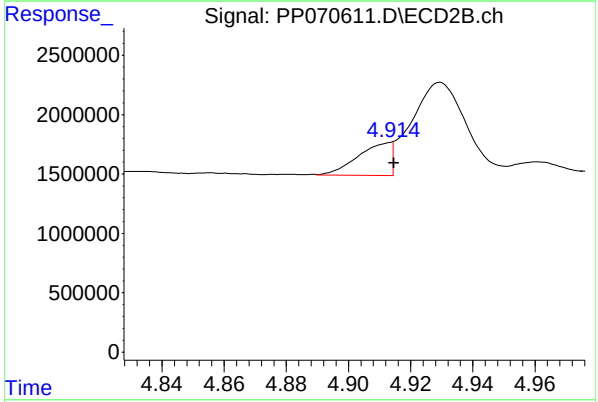
#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.002 mi
Response: 2914624
Conc: 85.33 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC8

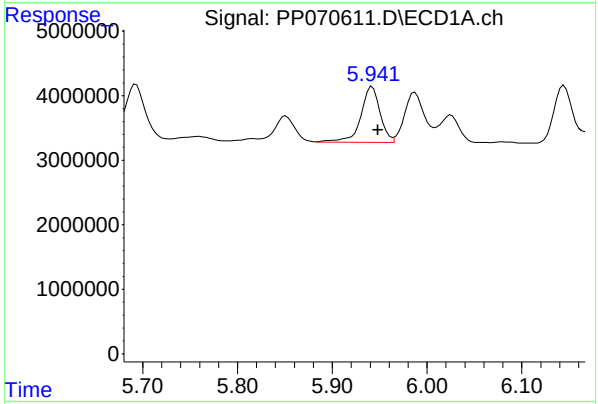
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



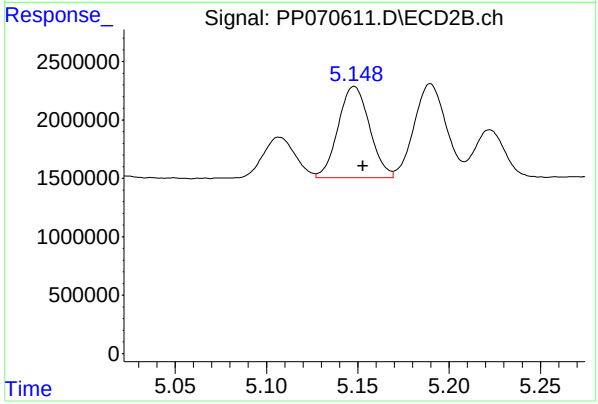
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: -0.001 min
Response: 1987170
Conc: 84.65 ng/ml m



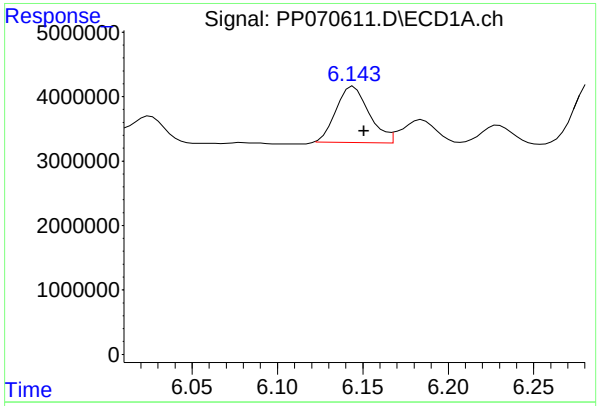
#22 AR-1248-2

R.T.: 5.942 min
Delta R.T.: -0.006 min
Response: 12097899
Conc: 285.01 ng/ml



#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 9349520
Conc: 298.67 ng/ml



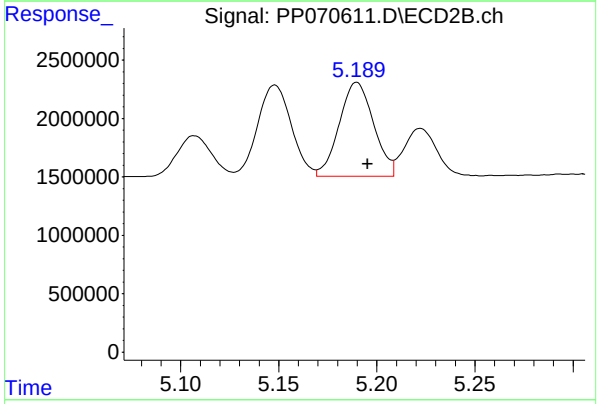
#23 AR-1248-3

R.T.: 6.145 min
Delta R.T.: -0.006 min
Response: 11697863
Conc: 253.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC8

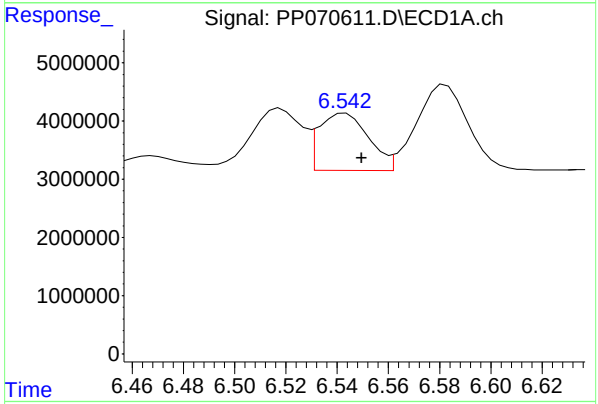
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



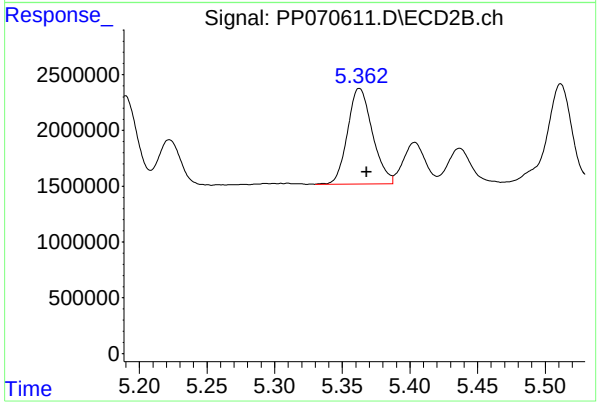
#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.005 min
Response: 9793672
Conc: 308.74 ng/ml



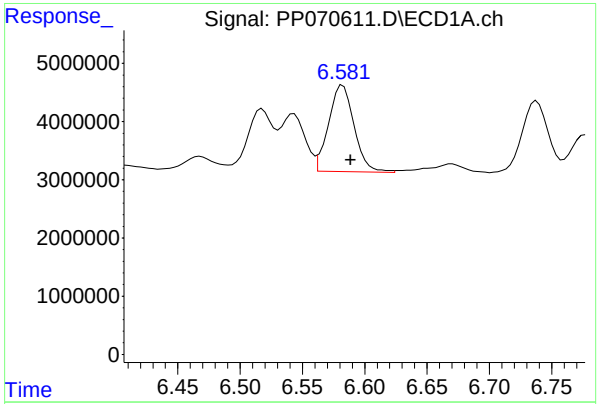
#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: -0.006 min
Response: 13236621
Conc: 228.25 ng/ml



#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 10932184
Conc: 280.51 ng/ml



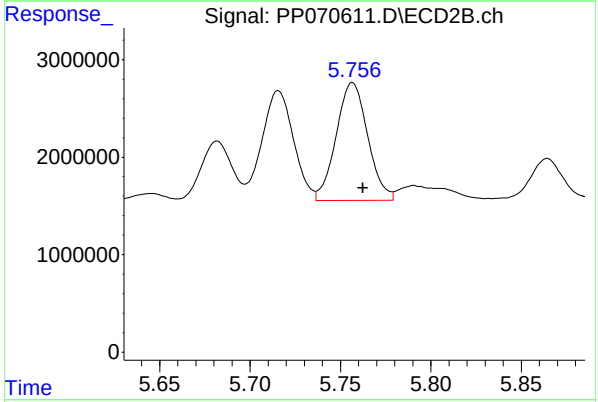
#25 AR-1248-5

R.T.: 6.582 min
Delta R.T.: -0.006 min
Response: 21239414
Conc: 395.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC8

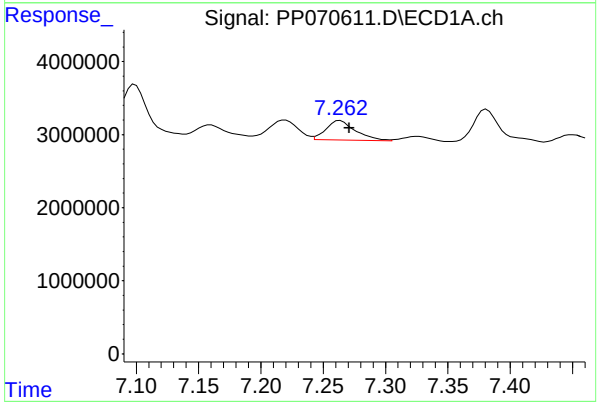
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



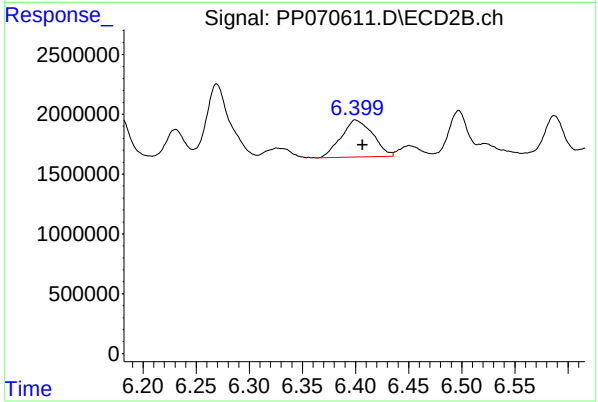
#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.006 min
Response: 14659070
Conc: 384.89 ng/ml



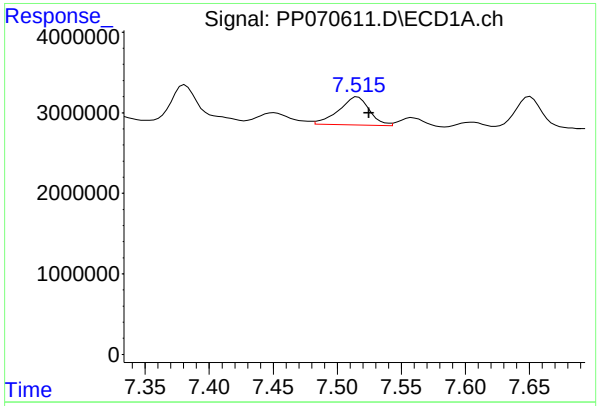
#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 4408642
Conc: 75.06 ng/ml



#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 6412553
Conc: 128.81 ng/ml



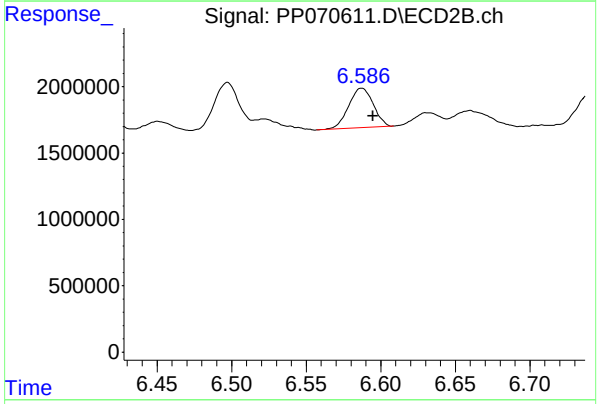
#32 AR-1260-2

R.T.: 7.516 min
Delta R.T.: -0.009 min
Response: 5832082
Conc: 71.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC8

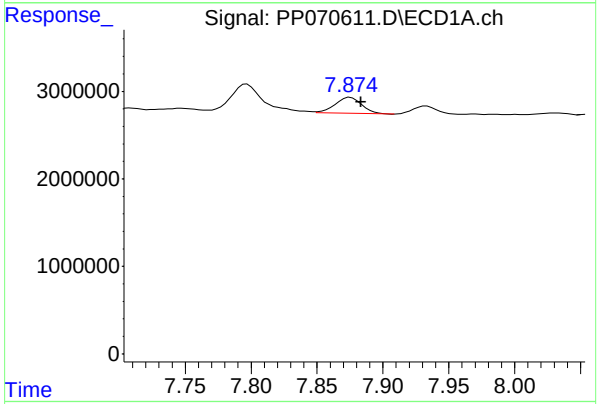
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



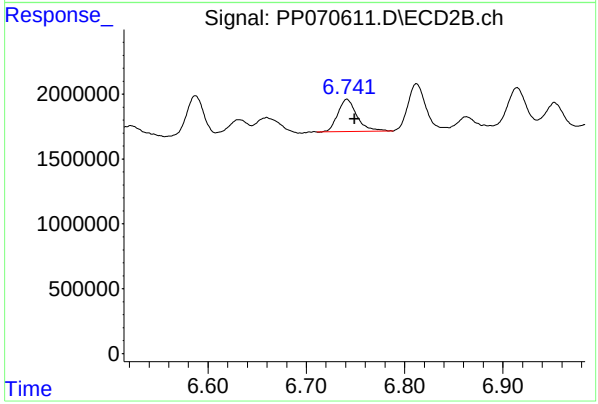
#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 3412484
Conc: 51.64 ng/ml



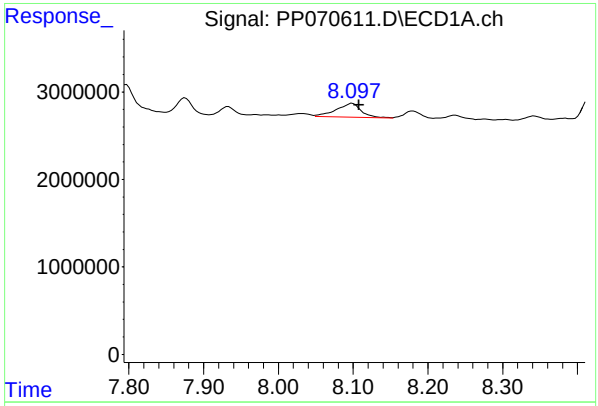
#33 AR-1260-3

R.T.: 7.875 min
Delta R.T.: -0.008 min
Response: 2565705
Conc: 39.02 ng/ml



#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 3390772
Conc: 59.28 ng/ml



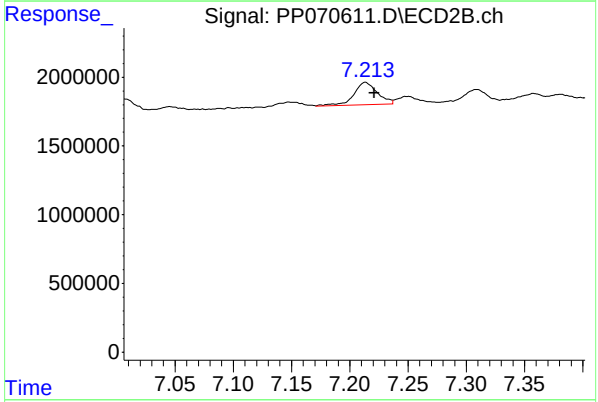
#34 AR-1260-4

R.T.: 8.099 min
Delta R.T.: -0.009 min
Response: 3675131
Conc: 56.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC8

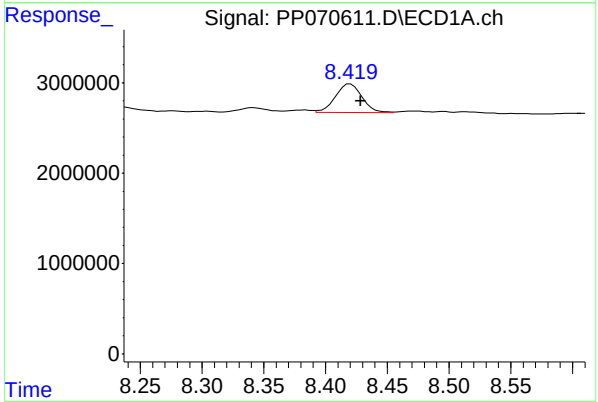
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



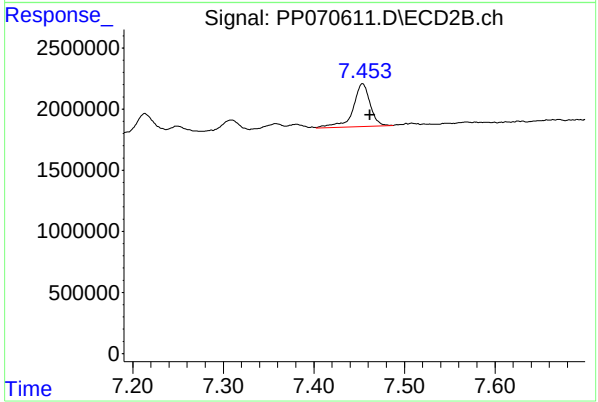
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 2277647
Conc: 44.52 ng/ml



#35 AR-1260-5

R.T.: 8.420 min
Delta R.T.: -0.008 min
Response: 4756016
Conc: 34.80 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 4559948
Conc: 35.41 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O29	SDG No.:	Q1573
Lab Sample ID:	Q1573-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	55.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070612.D	1	03/17/25 08:35	03/17/25 20:47	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	30.4	U	7.10	30.4	ug/kg
11104-28-2	Aroclor-1221	30.4	U	7.20	30.4	ug/kg
11141-16-5	Aroclor-1232	30.4	U	6.70	30.4	ug/kg
53469-21-9	Aroclor-1242	30.4	U	7.20	30.4	ug/kg
12672-29-6	Aroclor-1248	30.4	U	10.6	30.4	ug/kg
11097-69-1	Aroclor-1254	30.4	U	5.70	30.4	ug/kg
37324-23-5	Aroclor-1262	30.4	U	9.00	30.4	ug/kg
11100-14-4	Aroclor-1268	30.4	U	6.40	30.4	ug/kg
11096-82-5	Aroclor-1260	59.9		5.80	30.4	ug/kg
Total PCBs	Total PCBs	59.9		5.80	30.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		32 - 175	60%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:47
Operator : YP\AJ
Sample : Q1573-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O29

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	27282044	20332755	17.540m	20.286
2)	SA Decachlor...	10.243	8.870	12634324	11831143	11.893	12.093
	Target Compounds						
31)	L7 AR-1260-1	7.265	6.399	7167728	4972360	122.028m	99.878m
32)	L7 AR-1260-2	7.520	6.587	9025630	6203842	110.011	93.873m
33)	L7 AR-1260-3	7.879	6.741	5453568	4841391	82.934	84.644m
34)	L7 AR-1260-4	8.103	7.213	7120487	4518653	108.971	88.318
35)	L7 AR-1260-5	8.423	7.454	10696927	10533663	78.264	81.792

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

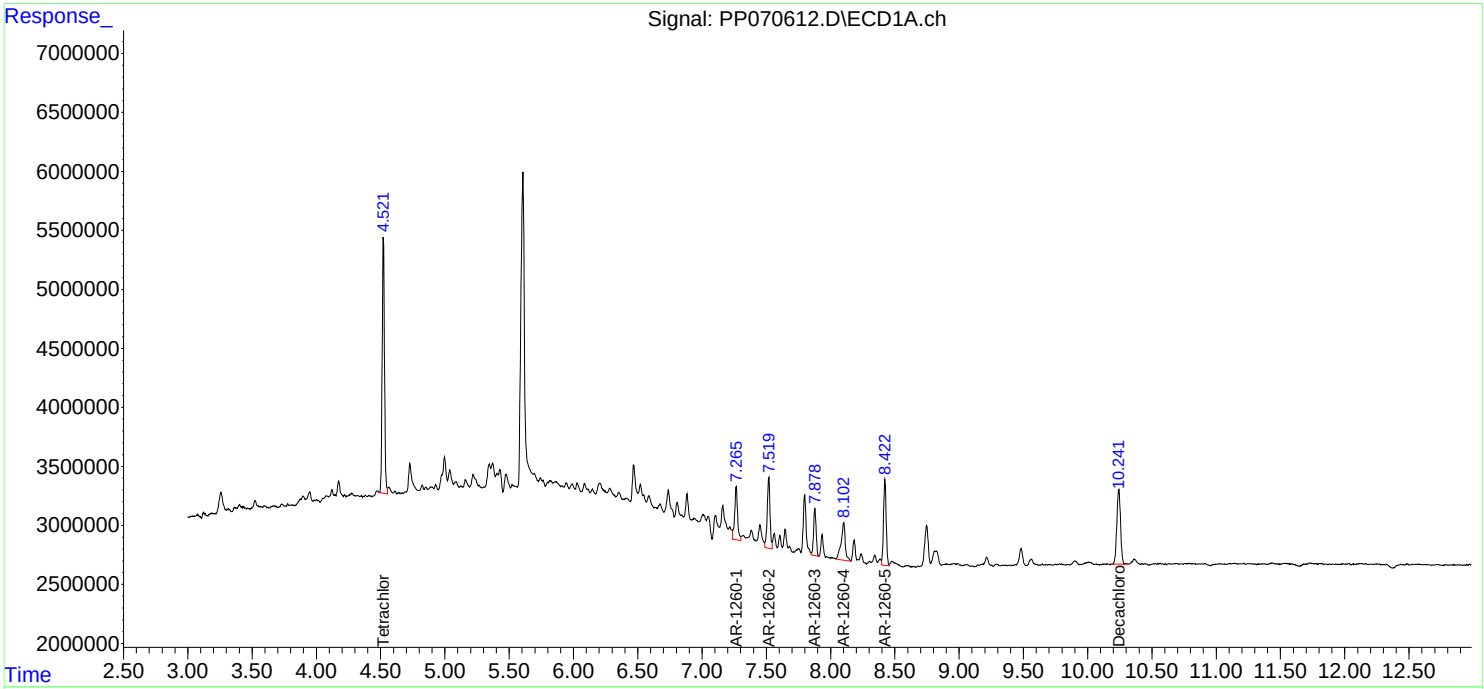
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:47
Operator : YP\AJ
Sample : Q1573-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

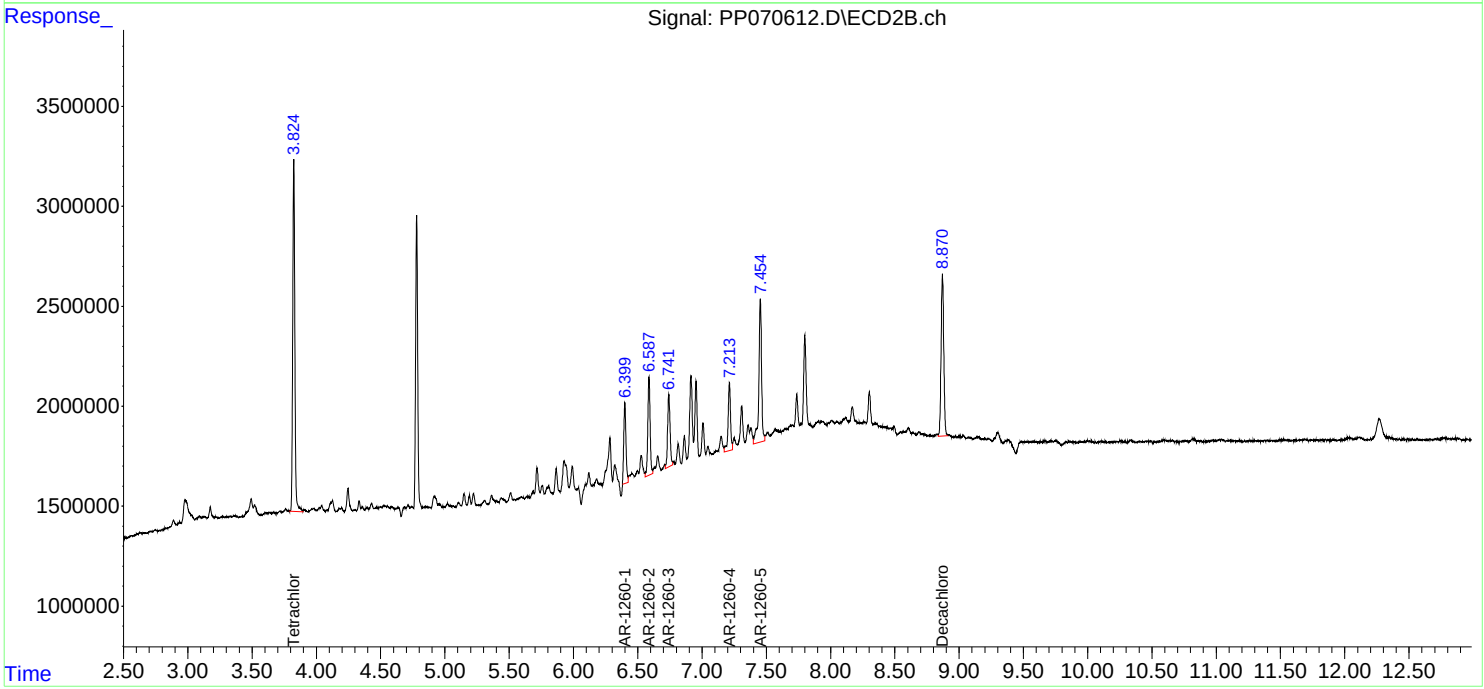
Instrument :
ECD_P
ClientSampleId :
C0O29

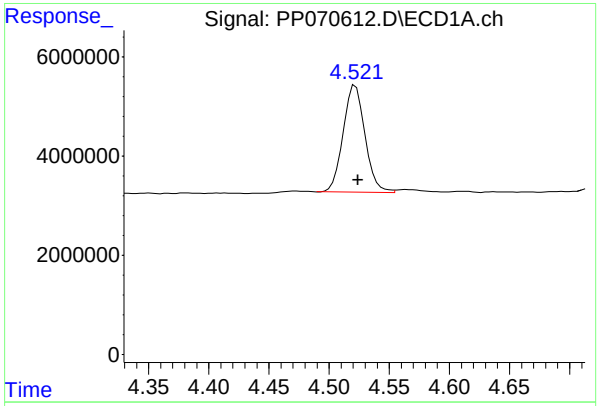
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







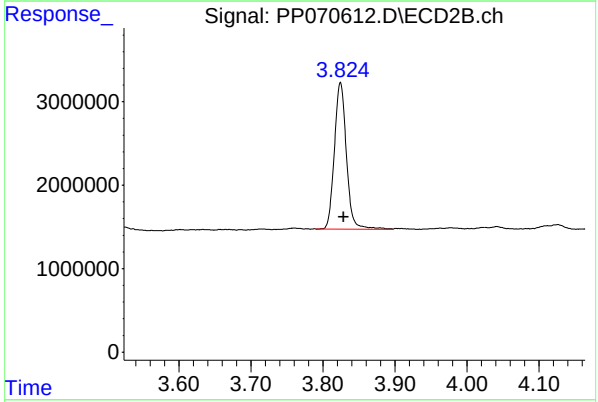
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 27282044
Conc: 17.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O29

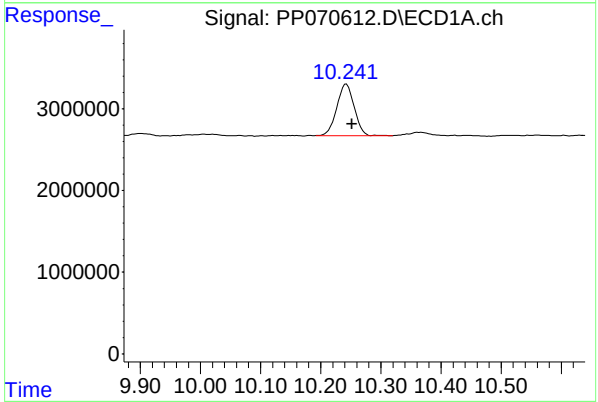
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



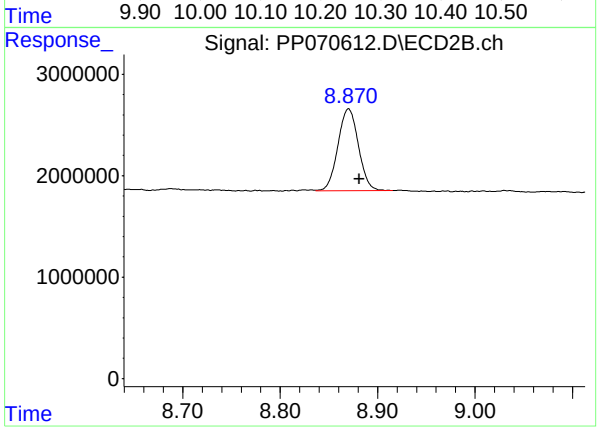
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 20332755
Conc: 20.29 ng/ml



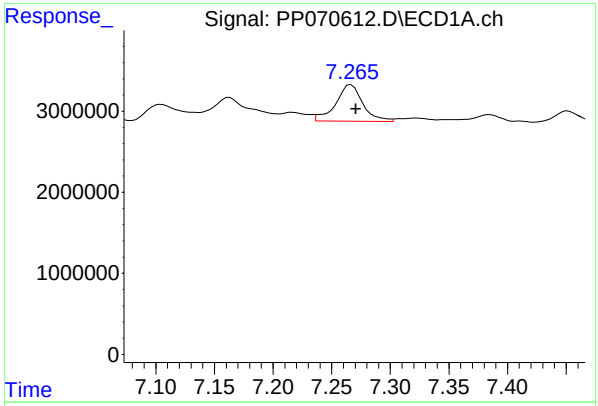
#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 12634324
Conc: 11.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 11831143
Conc: 12.09 ng/ml



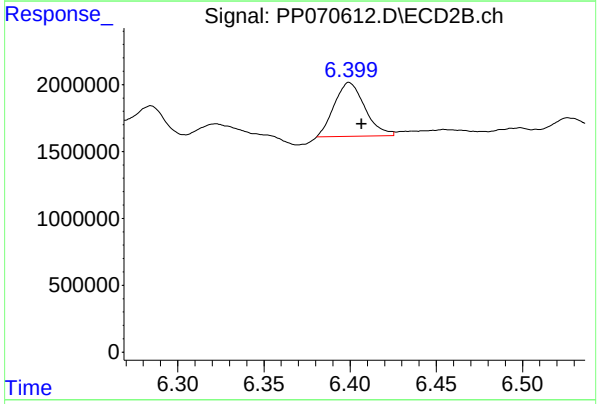
#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 mi
Response: 7167728
Conc: 122.03 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O29

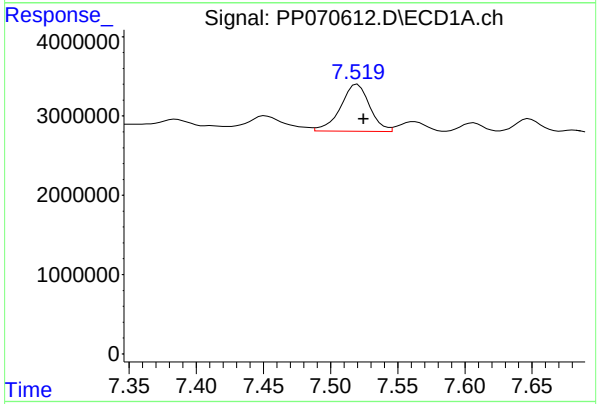
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



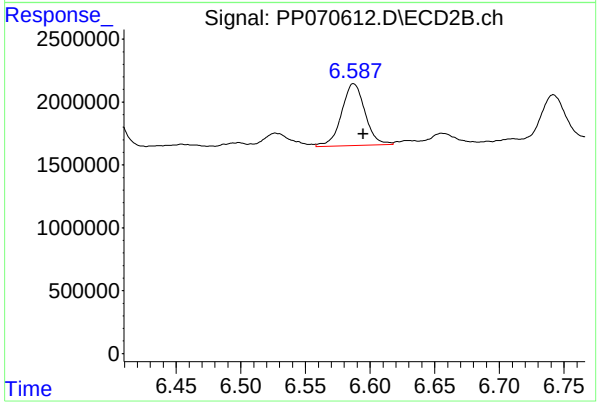
#31 AR-1260-1

R.T.: 6.399 min
Delta R.T.: -0.008 min
Response: 4972360
Conc: 99.88 ng/ml m



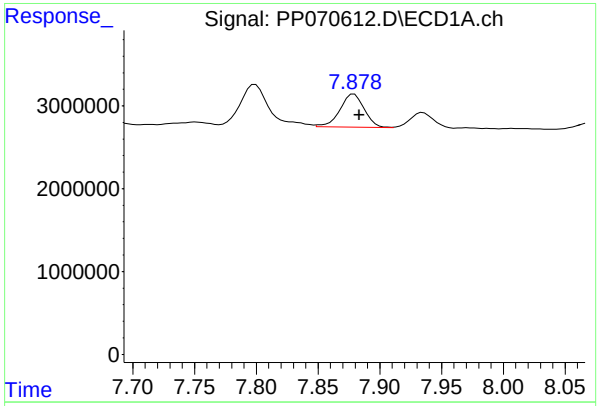
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.005 min
Response: 9025630
Conc: 110.01 ng/ml



#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 6203842
Conc: 93.87 ng/ml m



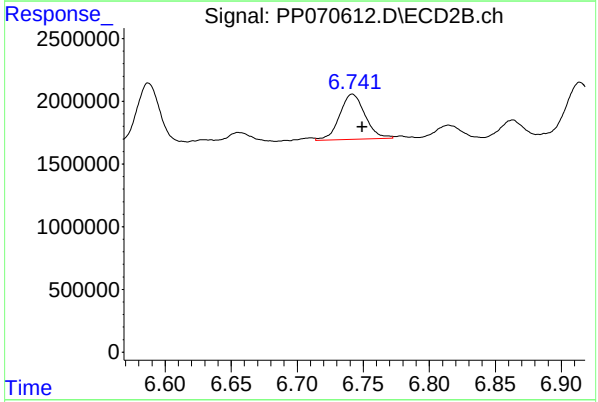
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 mi
Response: 5453568
Conc: 82.93 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O29

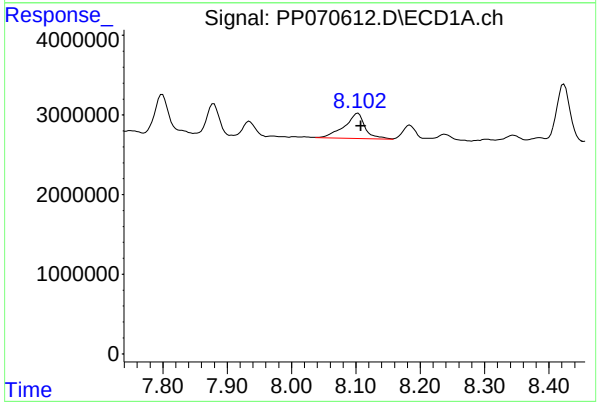
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



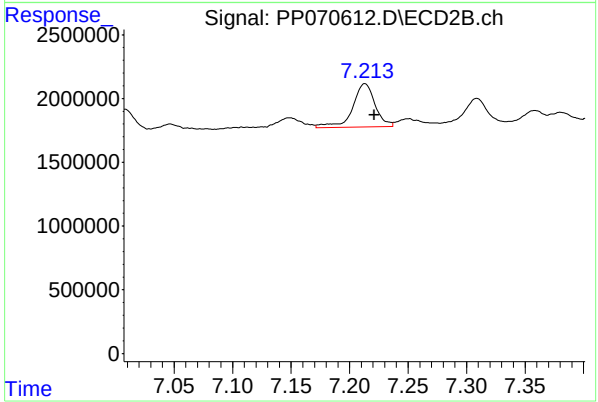
#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 4841391
Conc: 84.64 ng/ml m



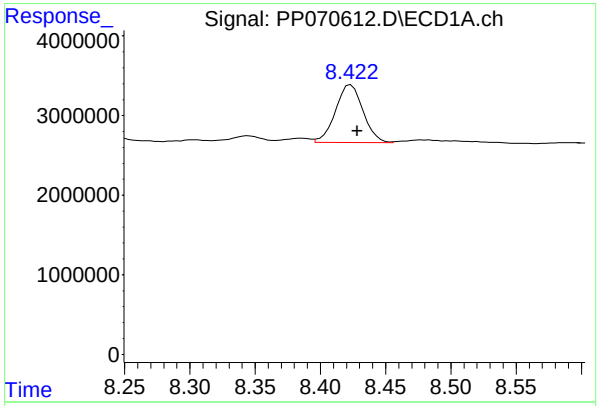
#34 AR-1260-4

R.T.: 8.103 min
Delta R.T.: -0.005 min
Response: 7120487
Conc: 108.97 ng/ml



#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 4518653
Conc: 88.32 ng/ml



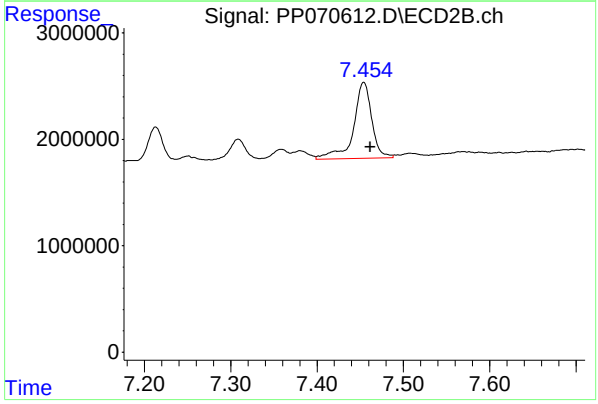
#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 mi
Response: 10696927
Conc: 78.26 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O29

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 10533663
Conc: 81.79 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O30	SDG No.:	Q1573
Lab Sample ID:	Q1573-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	69.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070613.D	1	03/17/25 08:35	03/17/25 21:03	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	24.4	U	5.70	24.4	ug/kg
11104-28-2	Aroclor-1221	24.4	U	5.80	24.4	ug/kg
11141-16-5	Aroclor-1232	24.4	U	5.30	24.4	ug/kg
53469-21-9	Aroclor-1242	24.4	U	5.80	24.4	ug/kg
12672-29-6	Aroclor-1248	24.4	U	8.50	24.4	ug/kg
11097-69-1	Aroclor-1254	24.4	U	4.60	24.4	ug/kg
37324-23-5	Aroclor-1262	24.4	U	7.20	24.4	ug/kg
11100-14-4	Aroclor-1268	24.4	U	5.20	24.4	ug/kg
11096-82-5	Aroclor-1260	24.3	J	4.60	24.4	ug/kg
Total PCBs	Total PCBs	24.3	J	4.60	24.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.33		32 - 175	47%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:03
Operator : YP\AJ
Sample : Q1573-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O30

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	27309207	20119104	17.558	20.073	
2)	SA Decachlor...	10.241	8.870	9822848	9125043	9.246	9.327	
	Target Compounds							
31)	L7 AR-1260-1	7.266	6.399	3899175	3446045	66.382	69.219	
32)	L7 AR-1260-2	7.519	6.588	4256002	3501622	51.875	52.985	
33)	L7 AR-1260-3	7.878	6.742	2356113	2733628	35.830	47.793	#
34)	L7 AR-1260-4	8.102	7.213	3119464	2150991	47.740	42.041	
35)	L7 AR-1260-5	8.422	7.453	4580212	5451787	33.511	42.332	#

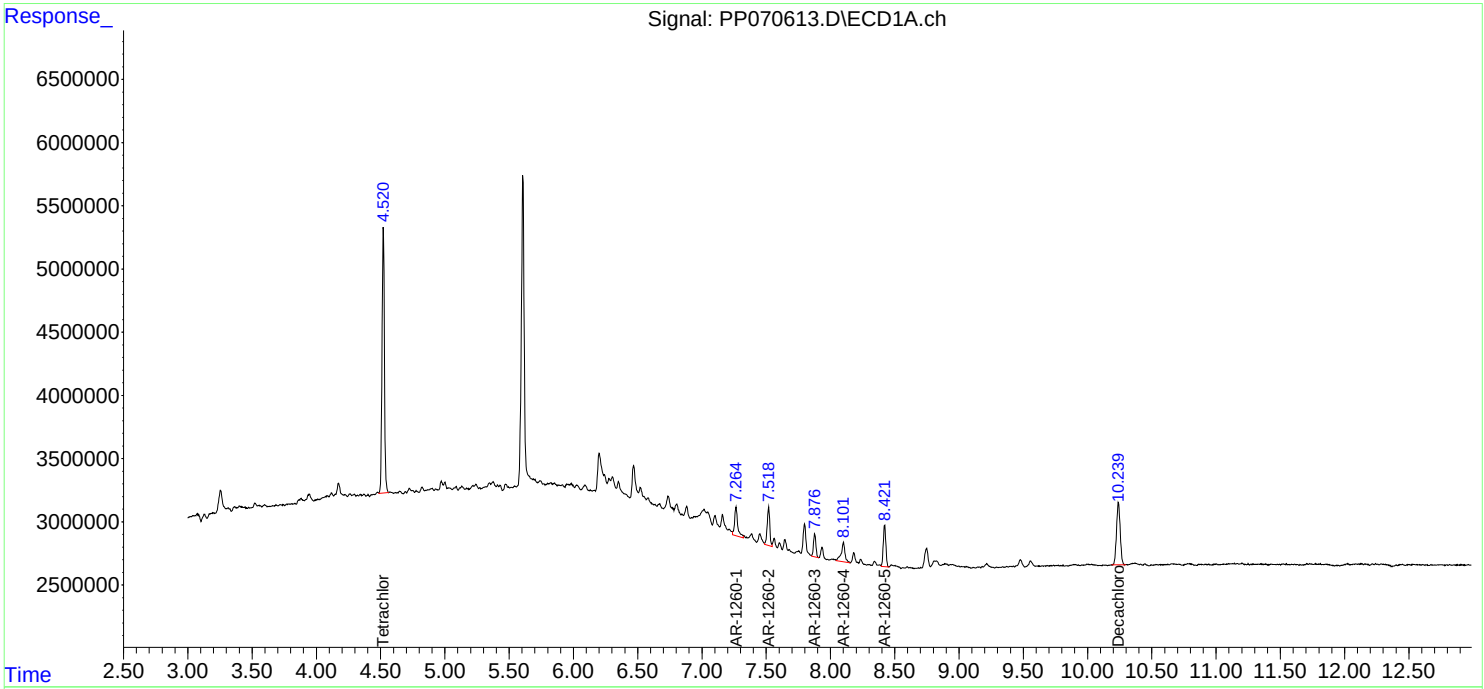
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

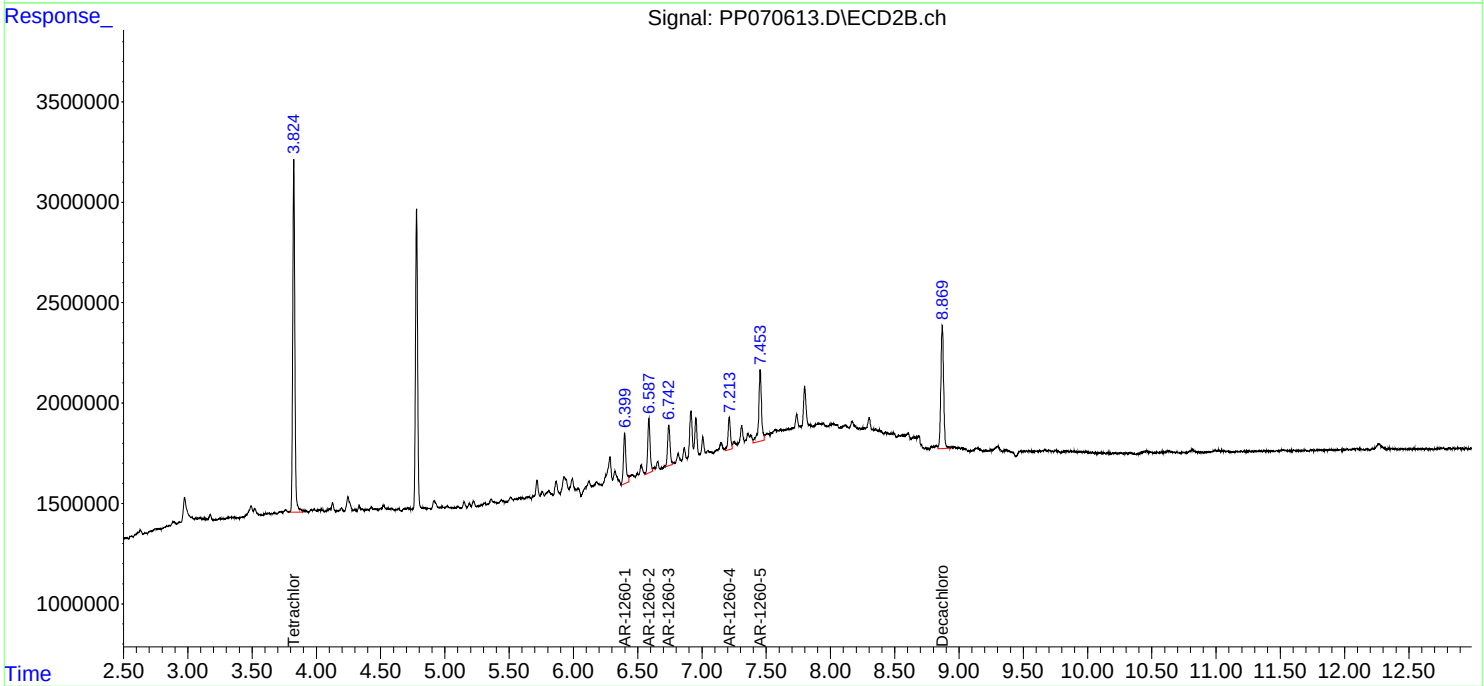
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:03
Operator : YP\AJ
Sample : Q1573-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

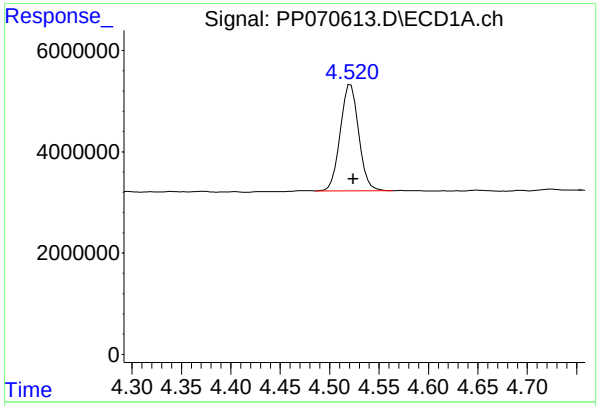
Instrument :
ECD_P
ClientSampleId :
C0O30

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



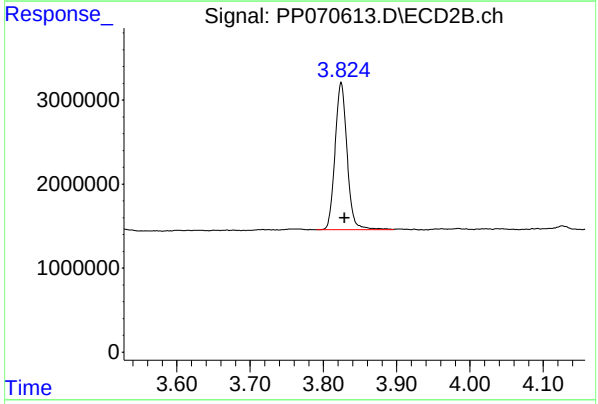




#1 Tetrachloro-m-xylene

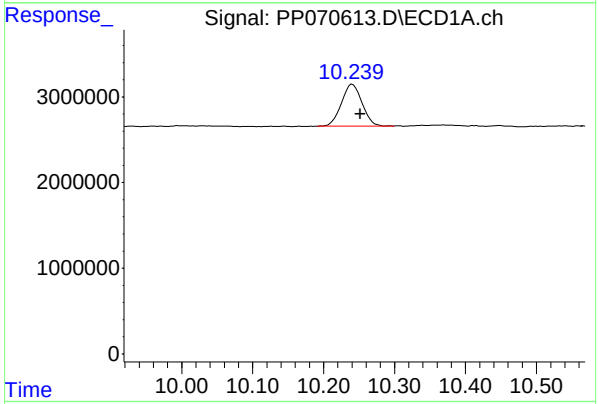
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 27309207
Conc: 17.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O30



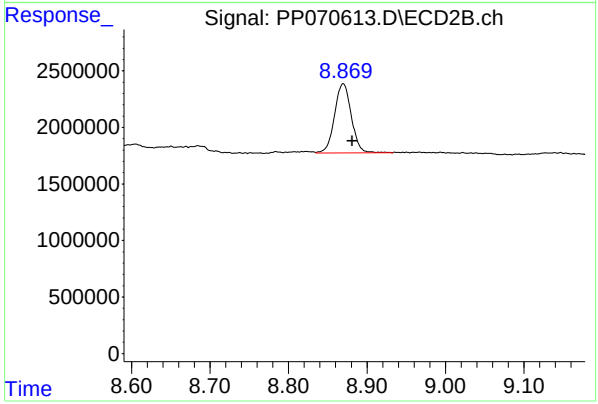
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 20119104
Conc: 20.07 ng/ml



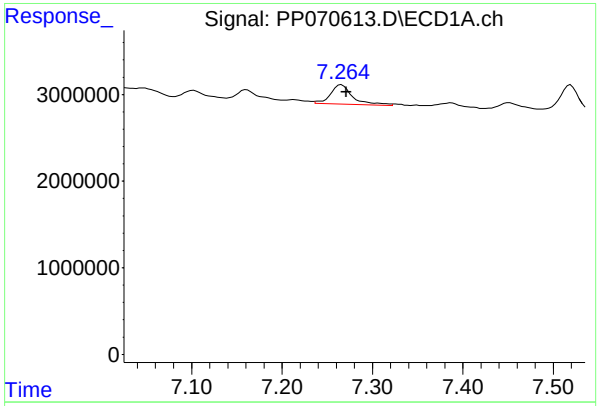
#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 9822848
Conc: 9.25 ng/ml



#2 Decachlorobiphenyl

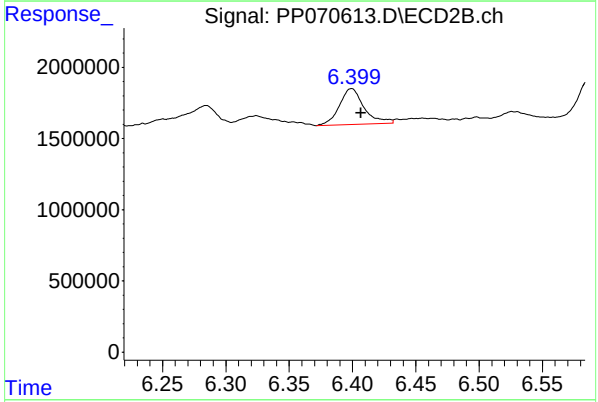
R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 9125043
Conc: 9.33 ng/ml



#31 AR-1260-1

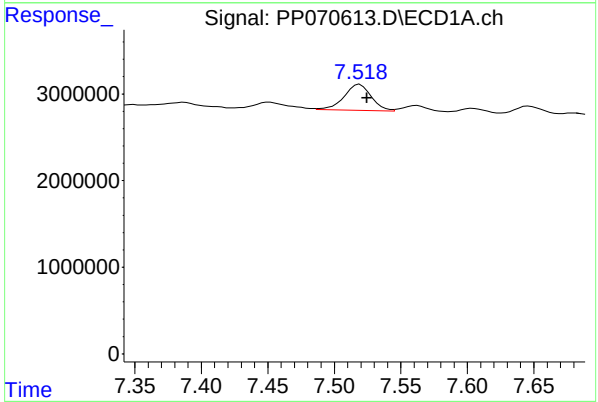
R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 3899175
Conc: 66.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O30



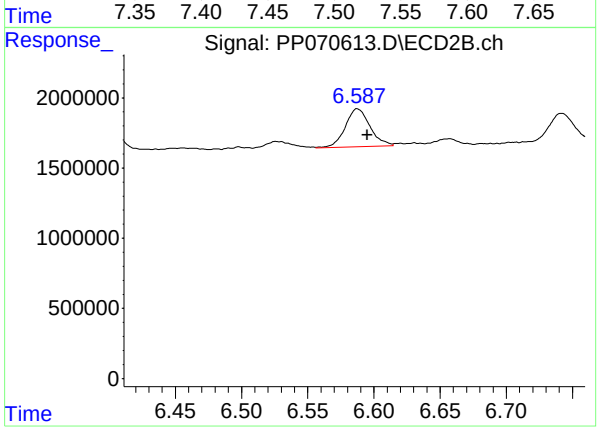
#31 AR-1260-1

R.T.: 6.399 min
Delta R.T.: -0.008 min
Response: 3446045
Conc: 69.22 ng/ml



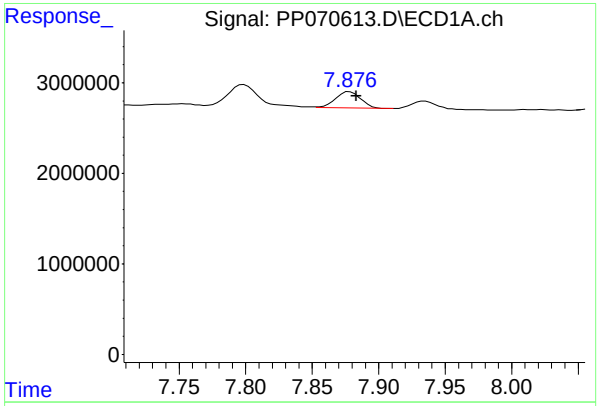
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 min
Response: 4256002
Conc: 51.88 ng/ml



#32 AR-1260-2

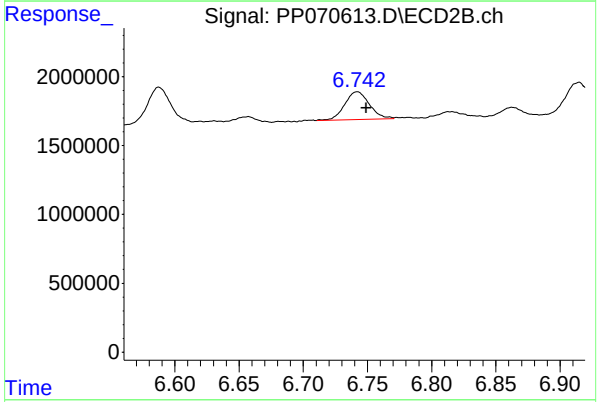
R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 3501622
Conc: 52.98 ng/ml



#33 AR-1260-3

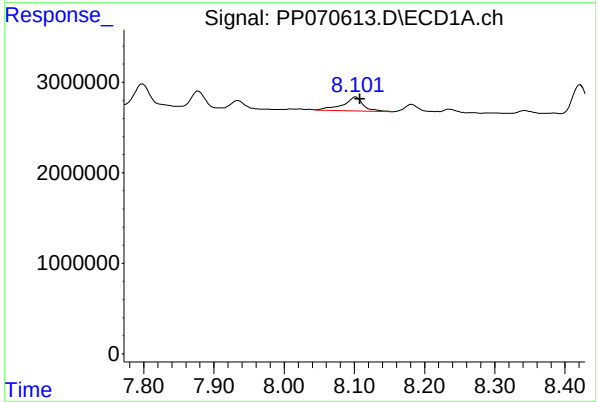
R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 2356113
Conc: 35.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O30



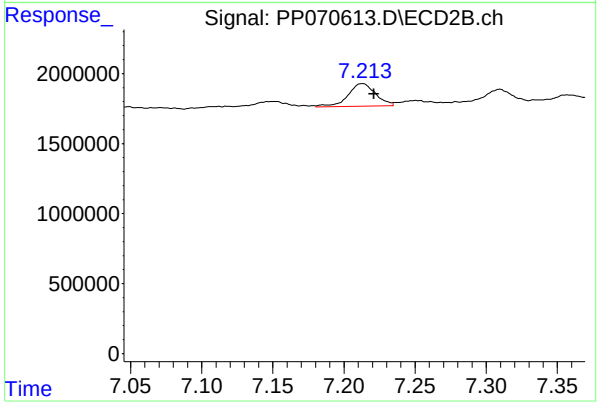
#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 2733628
Conc: 47.79 ng/ml



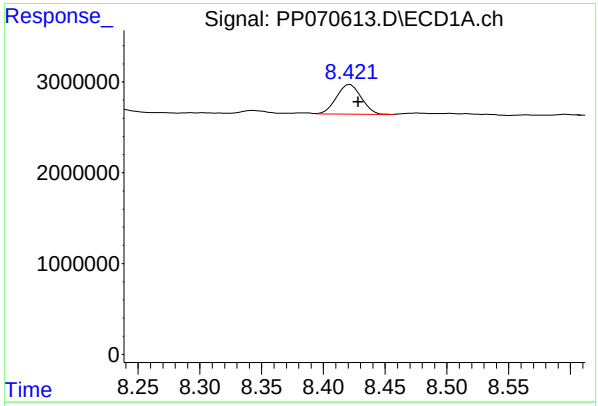
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 3119464
Conc: 47.74 ng/ml



#34 AR-1260-4

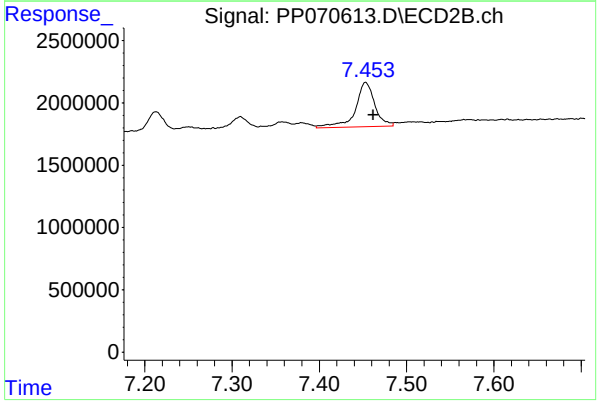
R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 2150991
Conc: 42.04 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 4580212
Conc: 33.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O30



#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 5451787
Conc: 42.33 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O31	SDG No.:	Q1573
Lab Sample ID:	Q1573-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	67.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070614.D	1	03/17/25 08:35	03/17/25 21:19	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	25.2	U	5.80	25.2	ug/kg
11104-28-2	Aroclor-1221	25.2	U	6.00	25.2	ug/kg
11141-16-5	Aroclor-1232	25.2	U	5.50	25.2	ug/kg
53469-21-9	Aroclor-1242	25.2	U	5.90	25.2	ug/kg
12672-29-6	Aroclor-1248	338		8.80	25.2	ug/kg
11097-69-1	Aroclor-1254	25.2	U	4.70	25.2	ug/kg
37324-23-5	Aroclor-1262	25.2	U	7.40	25.2	ug/kg
11100-14-4	Aroclor-1268	25.2	U	5.30	25.2	ug/kg
11096-82-5	Aroclor-1260	97.8		4.80	25.2	ug/kg
Total PCBs	Total PCBs	436		13.6	25.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9		32 - 175	54%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:19
Operator : YP\AJ
Sample : Q1573-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O31

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	29908639	22159322	19.229	22.109	
2)	SA Decachlor...	10.240	8.870	11033092	10662160	10.386	10.898	
	Target Compounds							
21)	L5 AR-1248-1	5.678	4.910	12635064	7295675	369.923m	310.778m	
22)	L5 AR-1248-2	5.945	5.148	34567993	25074100	814.375	801.001	
23)	L5 AR-1248-3	6.147	5.189	35718547	23650483	773.989	745.565	
24)	L5 AR-1248-4	6.545	5.362	38278564	30019646	660.075	770.264	
25)	L5 AR-1248-5	6.585	5.756	43491473	29931199	810.088	785.871	
31)	L7 AR-1260-1	7.266	6.400	12948735	17549714	220.448	352.514	#
32)	L7 AR-1260-2	7.518	6.587	22696079	11601832	276.636	175.553	#
33)	L7 AR-1260-3	7.877	6.740	9608045	10892304	146.113	190.434	#
34)	L7 AR-1260-4	8.101	7.212	11749187	7283984	179.809	142.367	
35)	L7 AR-1260-5	8.422	7.453	18538828	16781888	135.639	130.309	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:19
Operator : YP\AJ
Sample : Q1573-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

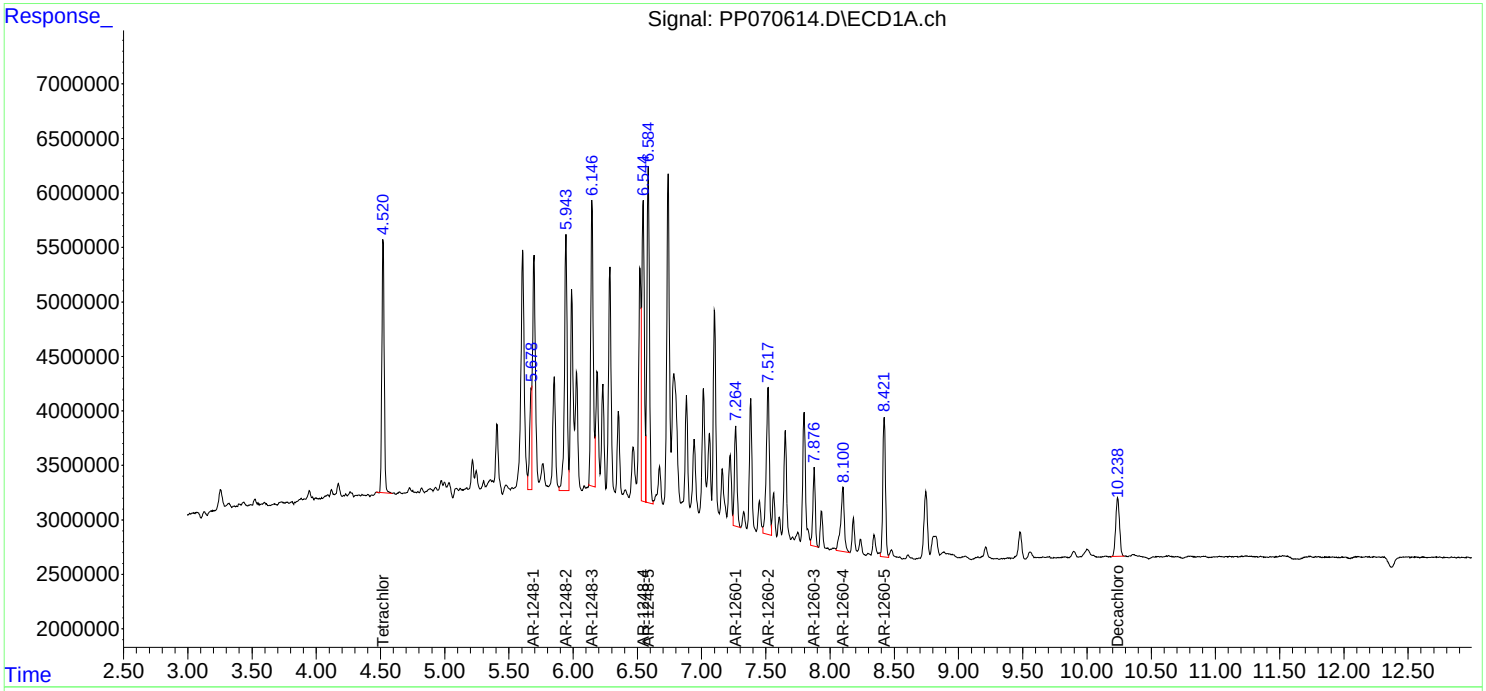
Instrument :
ECD_P
ClientSampleId :
C0O31

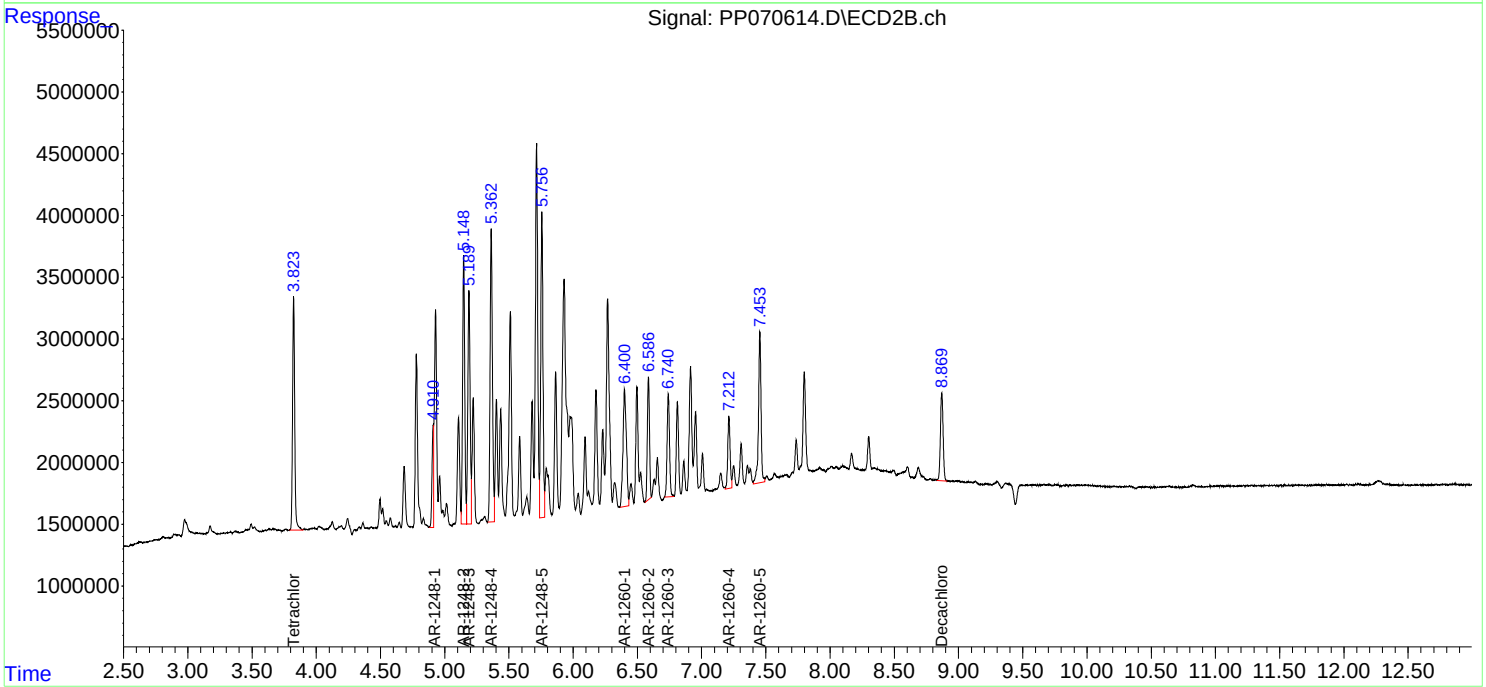
Manual Integrations APPROVED

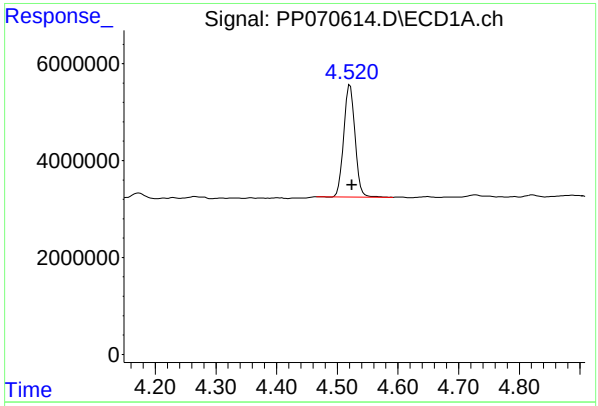
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







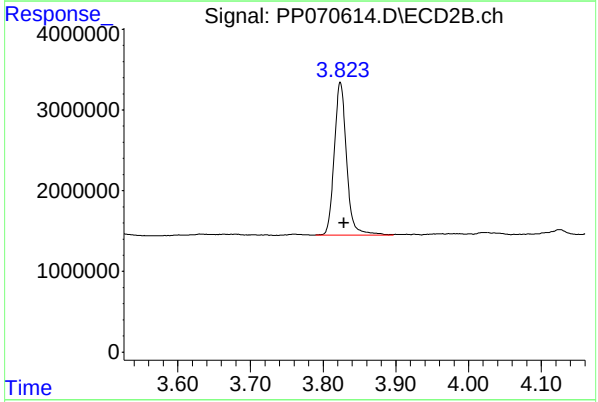
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 29908639
Conc: 19.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O31

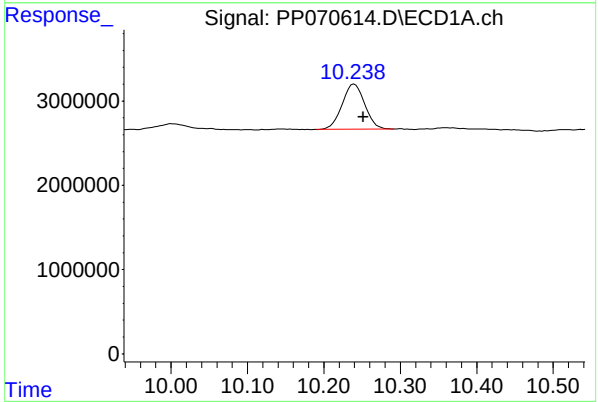
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



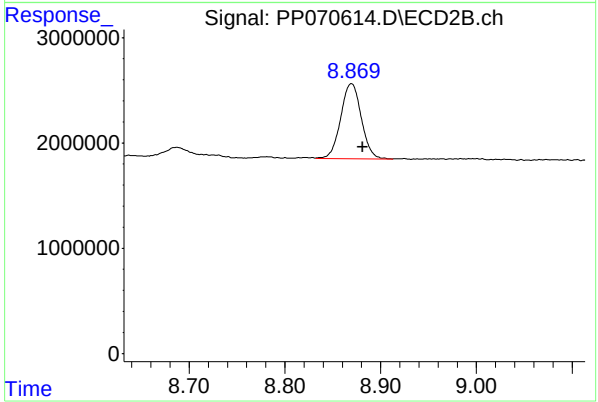
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 22159322
Conc: 22.11 ng/ml



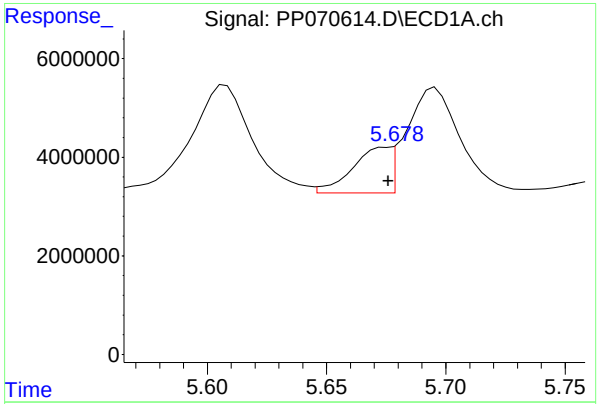
#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 11033092
Conc: 10.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.012 min
Response: 10662160
Conc: 10.90 ng/ml



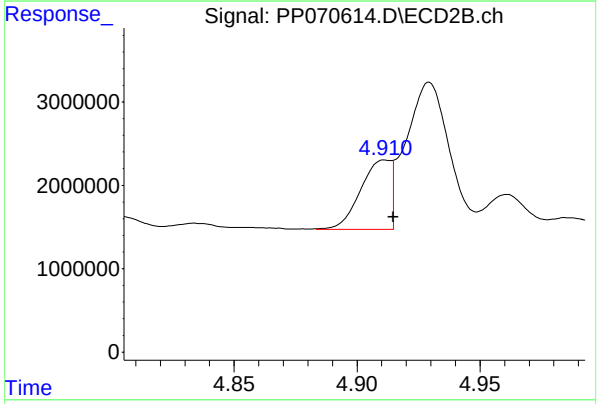
#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 mi
Response: 12635064
Conc: 369.92 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O31

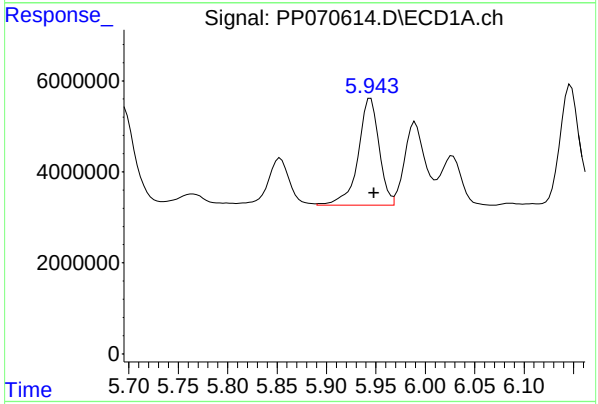
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



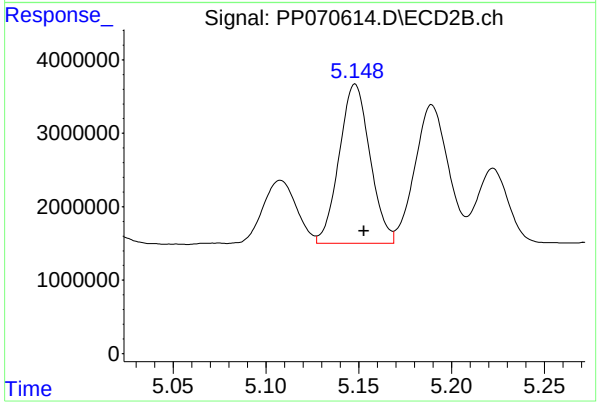
#21 AR-1248-1

R.T.: 4.910 min
Delta R.T.: -0.004 min
Response: 7295675
Conc: 310.78 ng/ml m



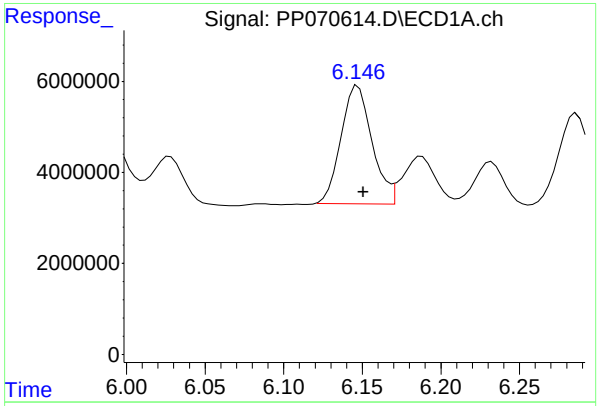
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 34567993
Conc: 814.37 ng/ml



#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 25074100
Conc: 801.00 ng/ml



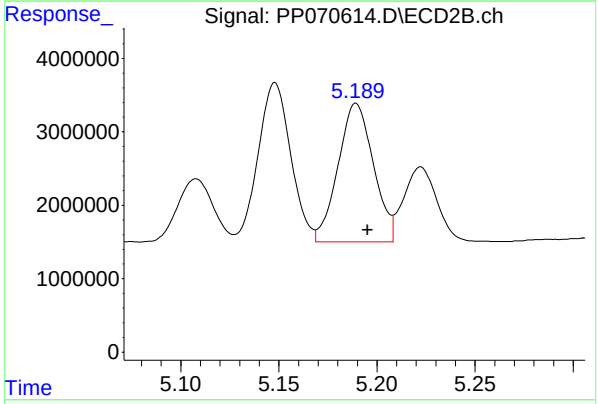
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 35718547
Conc: 773.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O31

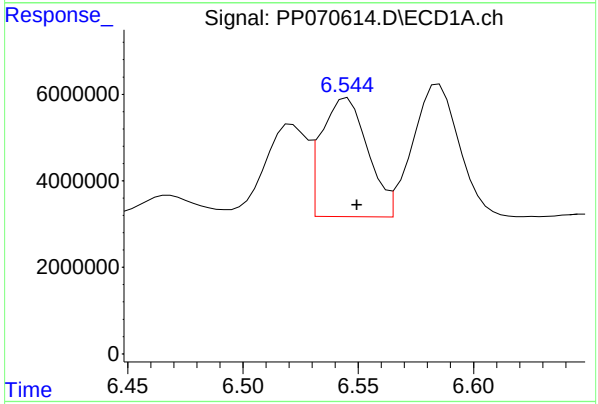
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



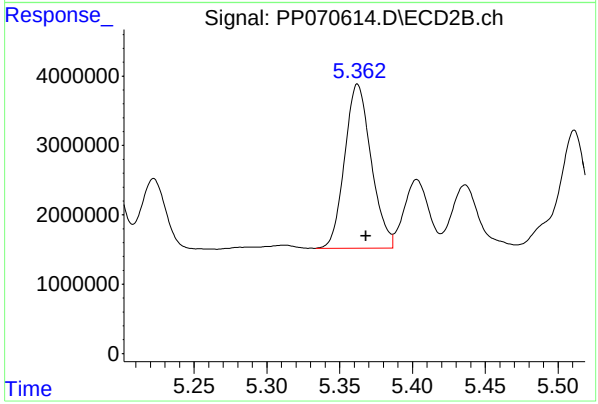
#23 AR-1248-3

R.T.: 5.189 min
Delta R.T.: -0.006 min
Response: 23650483
Conc: 745.56 ng/ml



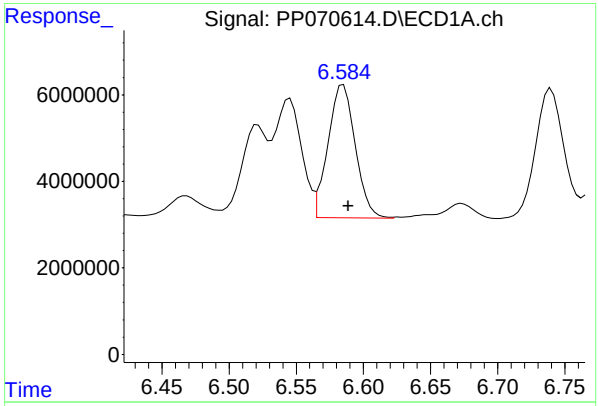
#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 38278564
Conc: 660.07 ng/ml



#24 AR-1248-4

R.T.: 5.362 min
Delta R.T.: -0.006 min
Response: 30019646
Conc: 770.26 ng/ml



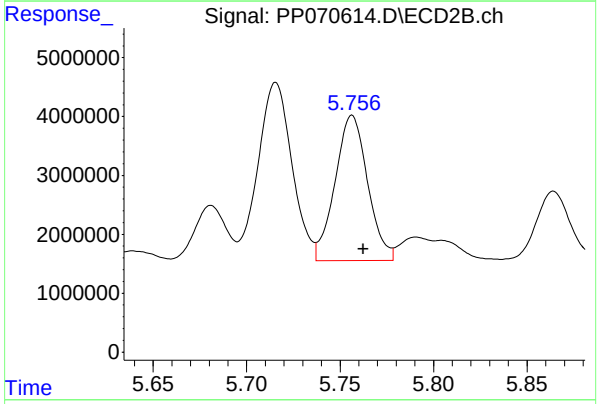
#25 AR-1248-5

R.T.: 6.585 min
Delta R.T.: -0.004 min
Response: 43491473
Conc: 810.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O31

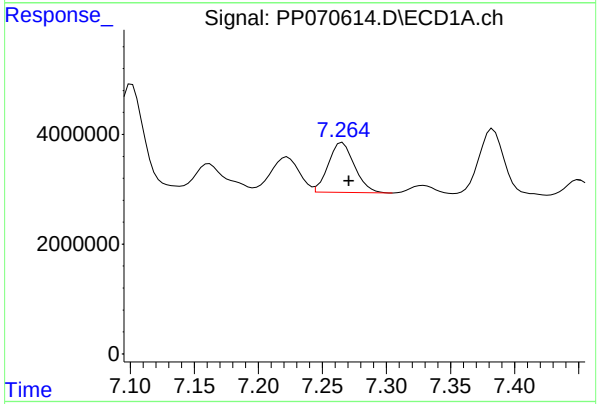
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



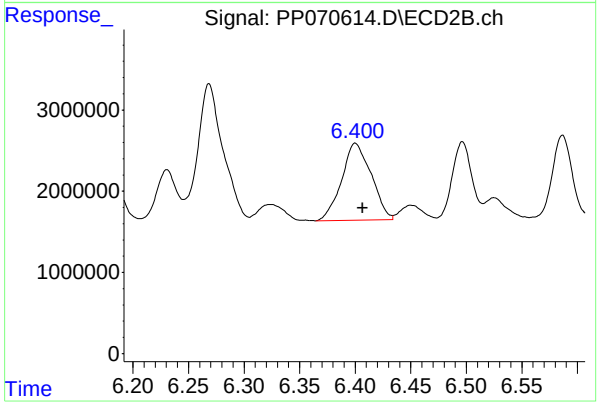
#25 AR-1248-5

R.T.: 5.756 min
Delta R.T.: -0.006 min
Response: 29931199
Conc: 785.87 ng/ml



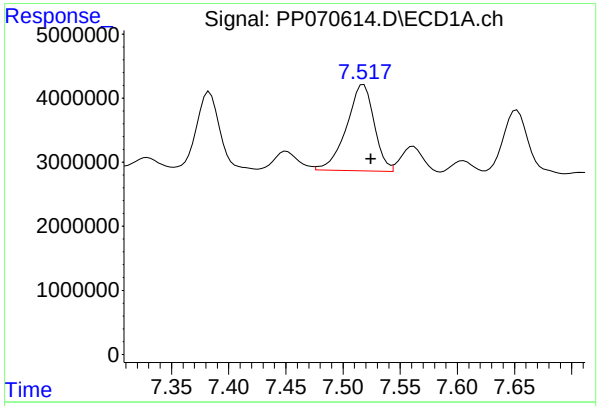
#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 12948735
Conc: 220.45 ng/ml



#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 17549714
Conc: 352.51 ng/ml



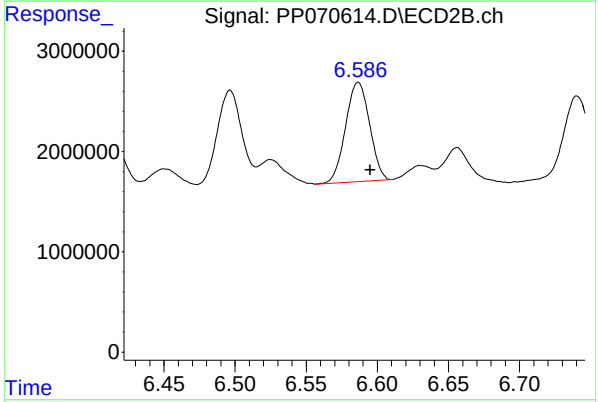
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 min
Response: 22696079
Conc: 276.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O31

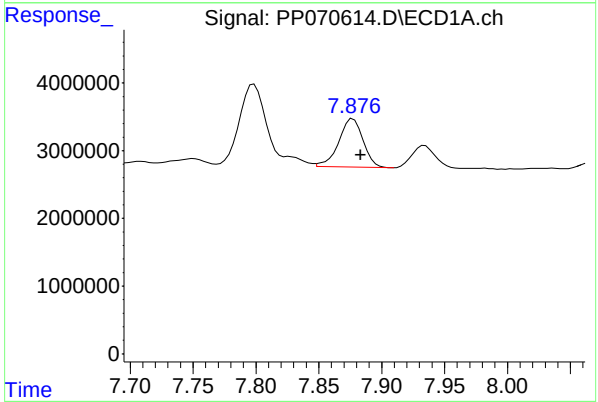
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



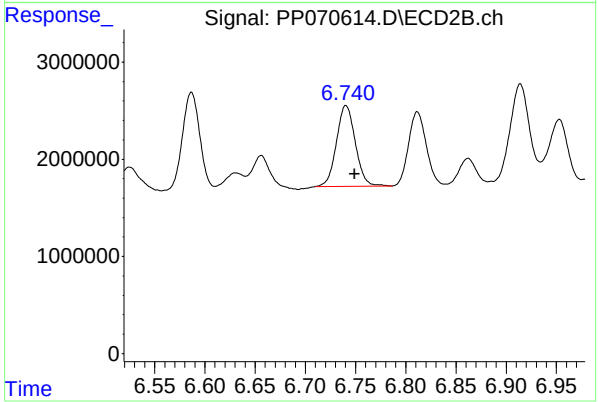
#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 11601832
Conc: 175.55 ng/ml



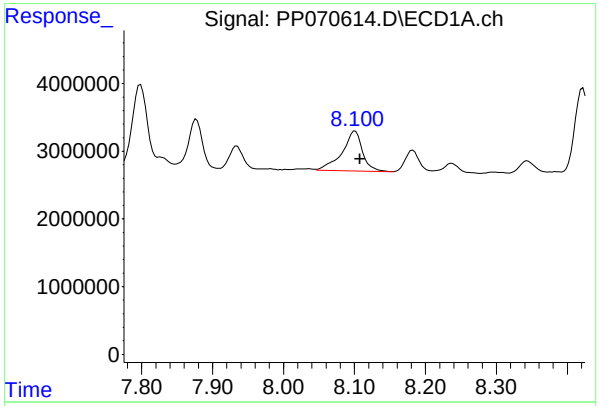
#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.006 min
Response: 9608045
Conc: 146.11 ng/ml



#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.009 min
Response: 10892304
Conc: 190.43 ng/ml



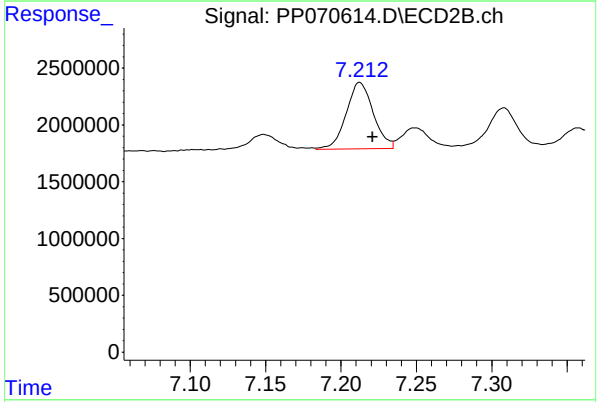
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 11749187
Conc: 179.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O31

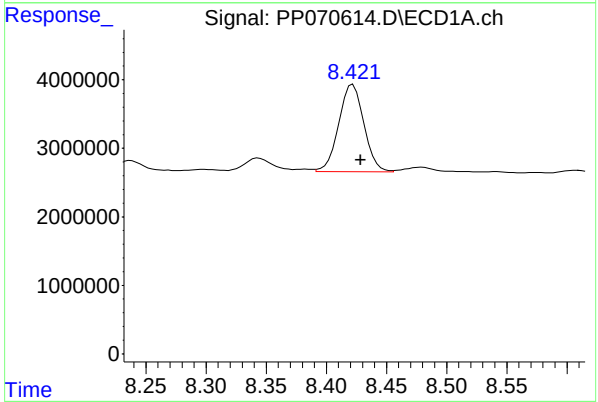
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



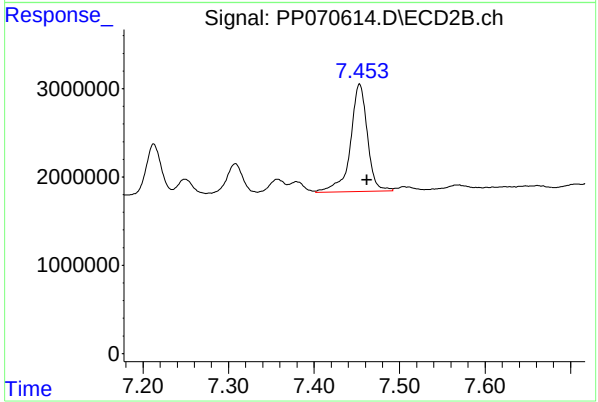
#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.009 min
Response: 7283984
Conc: 142.37 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 18538828
Conc: 135.64 ng/ml



#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.008 min
Response: 16781888
Conc: 130.31 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O32	SDG No.:	Q1573
Lab Sample ID:	Q1573-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	55.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070615.D	1	03/17/25 08:35	03/17/25 21:35	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	30.8	U	7.20	30.8	ug/kg
11104-28-2	Aroclor-1221	30.8	U	7.30	30.8	ug/kg
11141-16-5	Aroclor-1232	30.8	U	6.70	30.8	ug/kg
53469-21-9	Aroclor-1242	30.8	U	7.30	30.8	ug/kg
12672-29-6	Aroclor-1248	106		10.7	30.8	ug/kg
11097-69-1	Aroclor-1254	30.8	U	5.80	30.8	ug/kg
37324-23-5	Aroclor-1262	30.8	U	9.10	30.8	ug/kg
11100-14-4	Aroclor-1268	30.8	U	6.50	30.8	ug/kg
11096-82-5	Aroclor-1260	30.7	J	5.90	30.8	ug/kg
Total PCBs	Total PCBs	137		16.6	30.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		32 - 175	69%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:35
Operator : YP\AJ
Sample : Q1573-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O32

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.522	3.825	30139999	21161967	19.378	21.114	
2)	SA Decachlor...	10.244	8.872	14746038	13184804	13.881	13.476	
	Target Compounds							
21)	L5 AR-1248-1	5.676	4.914	1850101	1140984	54.166m	48.603m	
22)	L5 AR-1248-2	5.946	5.149	8122976	6474486	191.366	206.830	
23)	L5 AR-1248-3	6.149	5.190	6903614	6336980	149.595	199.769	#
24)	L5 AR-1248-4	6.548	5.364	8903923	6550296	153.539	168.072	
25)	L5 AR-1248-5	6.587	5.757	13918242	9659990	259.246	253.632	
31)	L7 AR-1260-1	7.268	6.400	3675871	4390353	62.581	88.187	#
32)	L7 AR-1260-2	7.521	6.589	4161408	2676063	50.722	40.493	
33)	L7 AR-1260-3	7.880	6.742	2038401	2701056	30.999	47.223	#
34)	L7 AR-1260-4	8.102	7.215	3004524	2274648	45.981	44.458	
35)	L7 AR-1260-5	8.425	7.454	3896585	4331599	28.509	33.634	

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

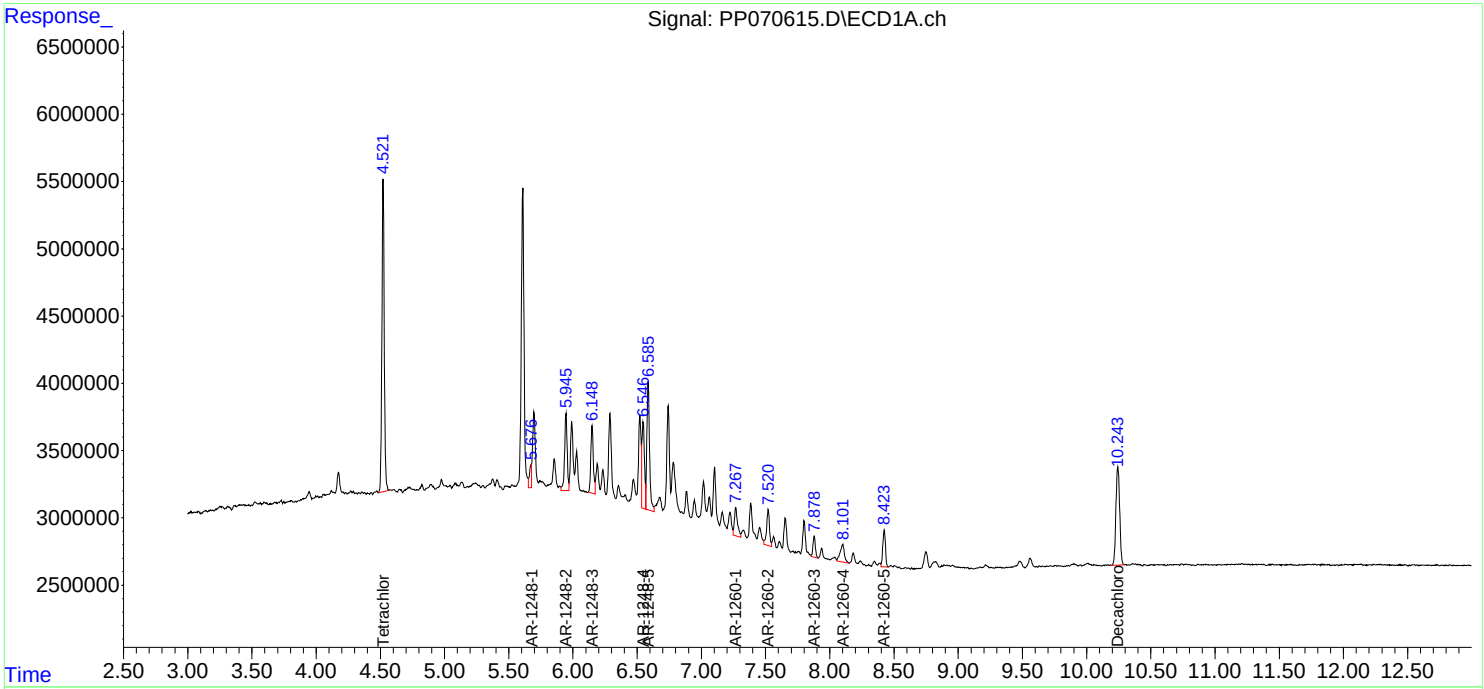
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:35
Operator : YP\AJ
Sample : Q1573-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

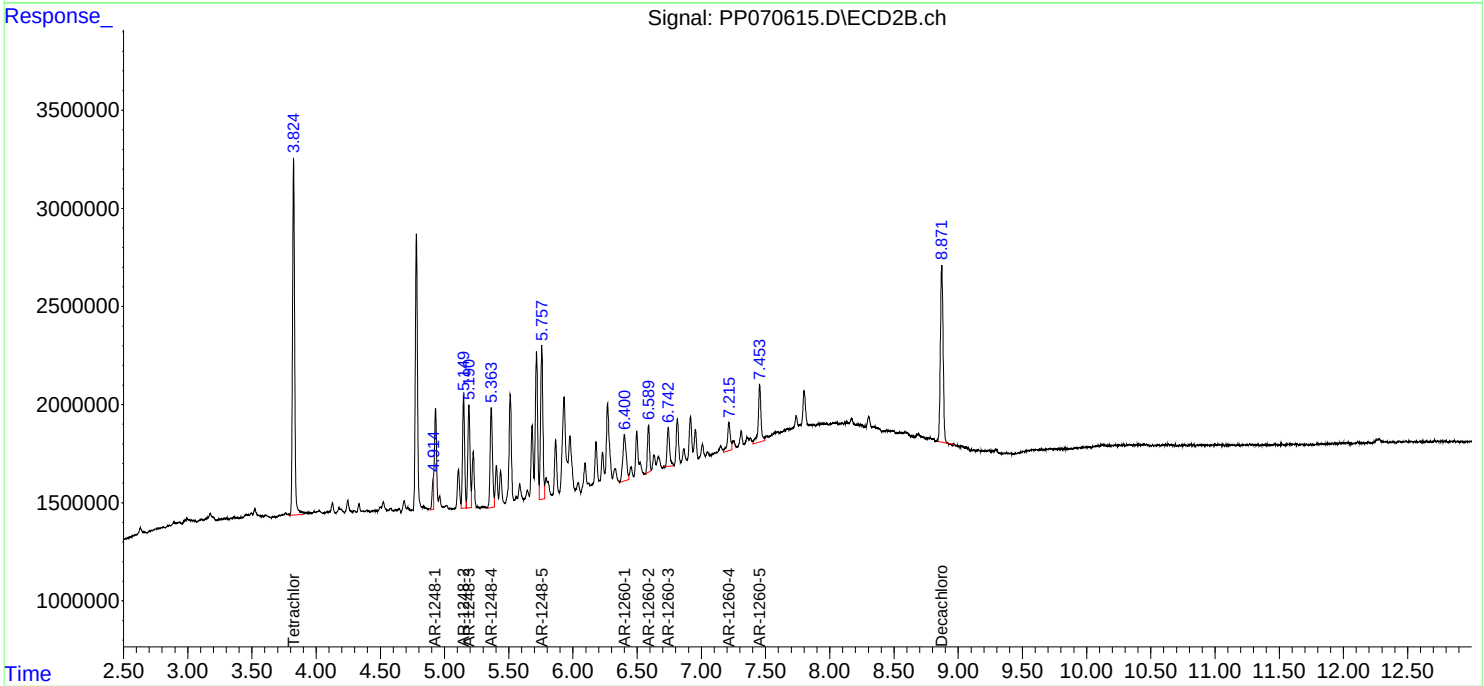
Instrument :
ECD_P
ClientSampleId :
C0O32

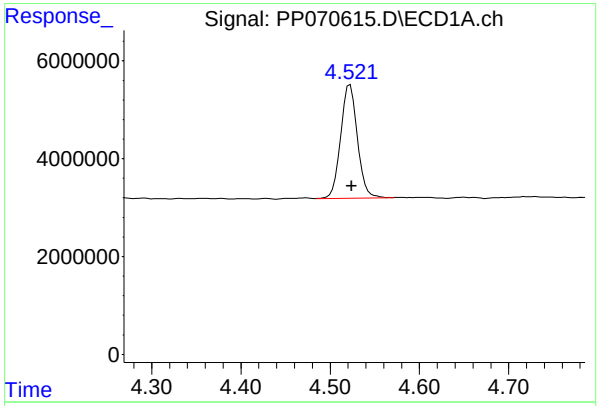
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







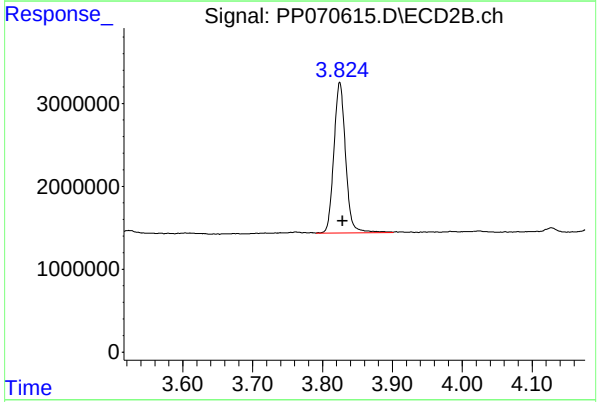
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 30139999
Conc: 19.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O32

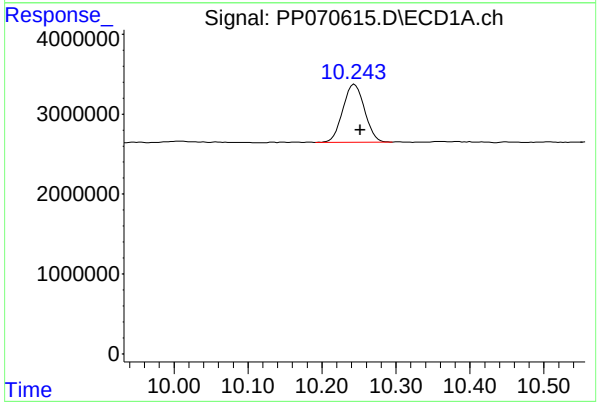
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



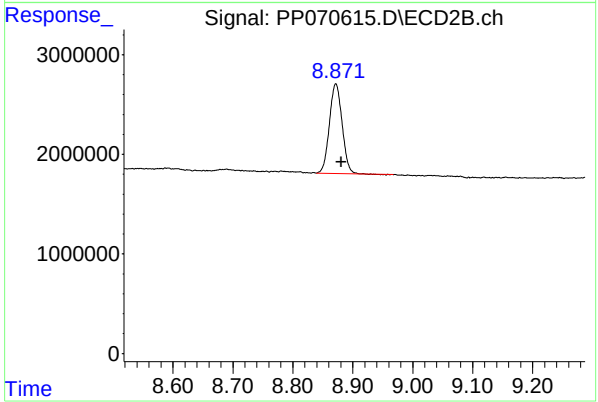
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 21161967
Conc: 21.11 ng/ml



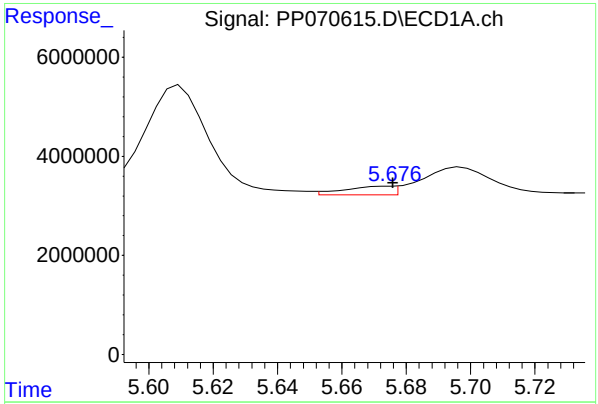
#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.008 min
Response: 14746038
Conc: 13.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 13184804
Conc: 13.48 ng/ml



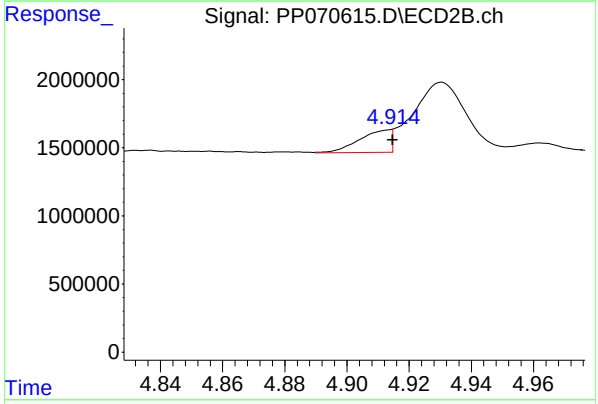
#21 AR-1248-1

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 1850101
Conc: 54.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O32

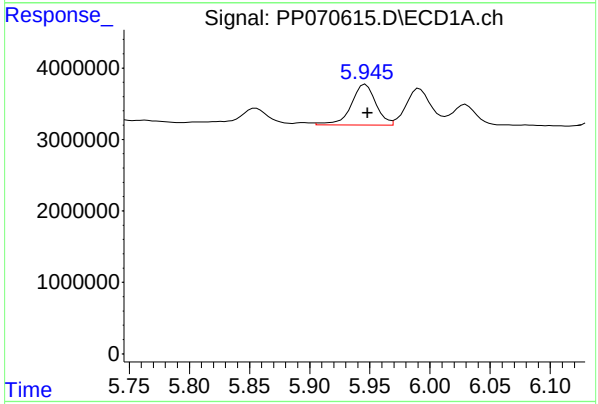
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



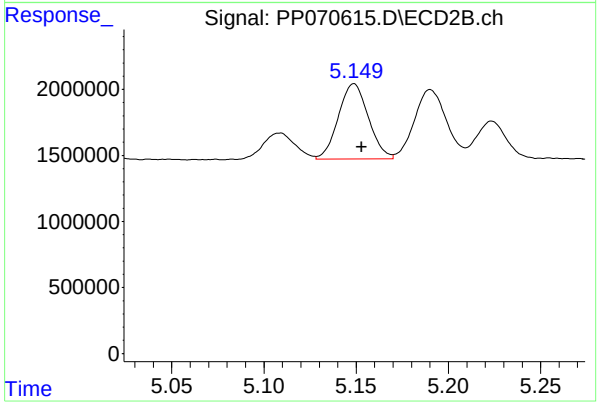
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 1140984
Conc: 48.60 ng/ml m



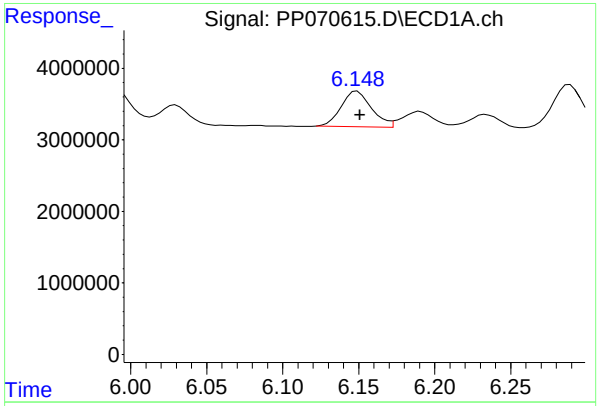
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 8122976
Conc: 191.37 ng/ml



#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.004 min
Response: 6474486
Conc: 206.83 ng/ml



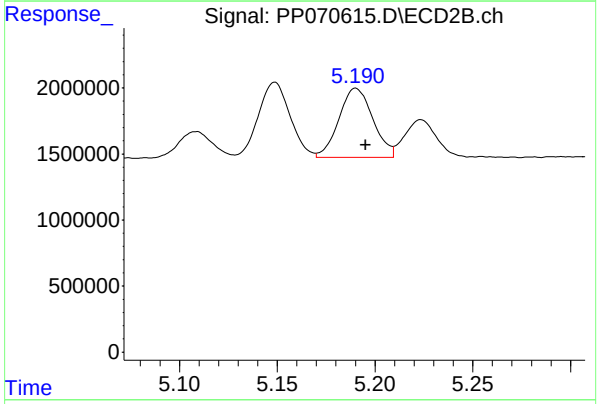
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 6903614
Conc: 149.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O32

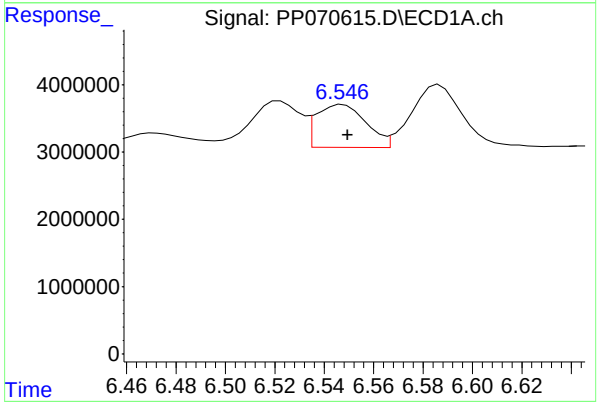
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



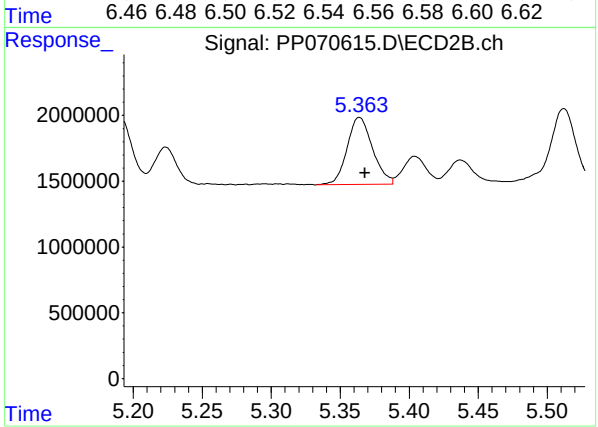
#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.005 min
Response: 6336980
Conc: 199.77 ng/ml



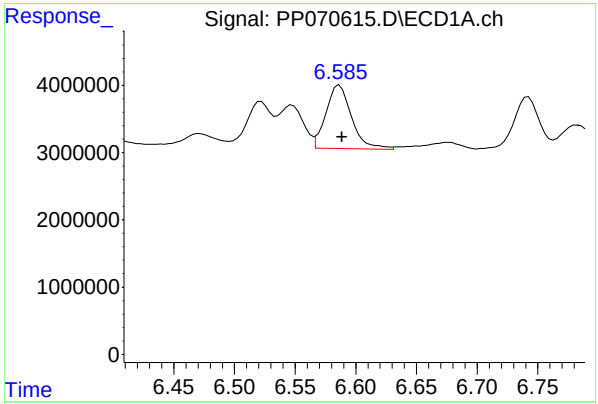
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.002 min
Response: 8903923
Conc: 153.54 ng/ml



#24 AR-1248-4

R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 6550296
Conc: 168.07 ng/ml



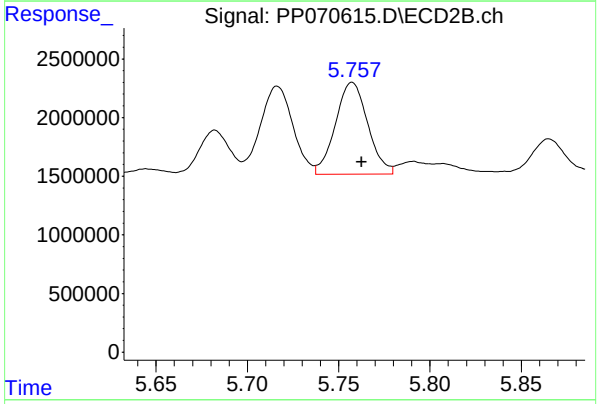
#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 13918242
Conc: 259.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O32

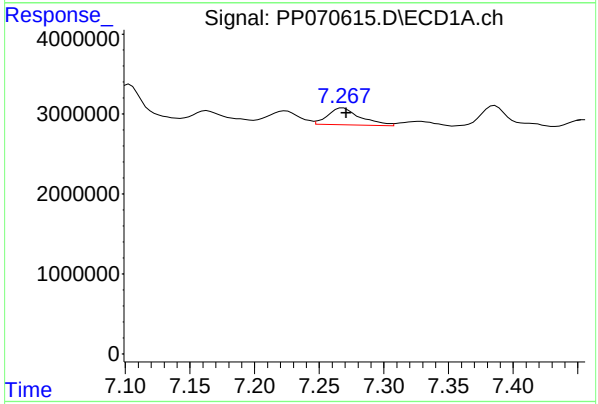
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



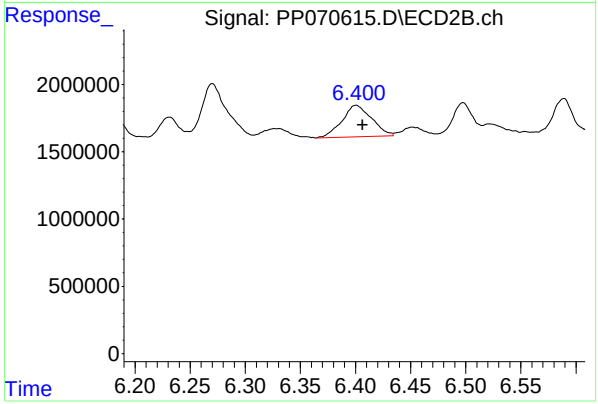
#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.005 min
Response: 9659990
Conc: 253.63 ng/ml



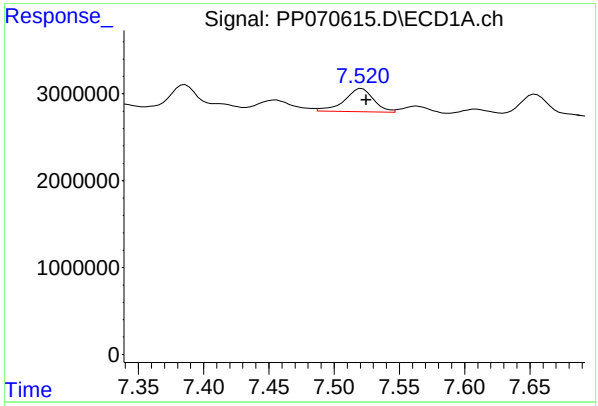
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 3675871
Conc: 62.58 ng/ml



#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 4390353
Conc: 88.19 ng/ml



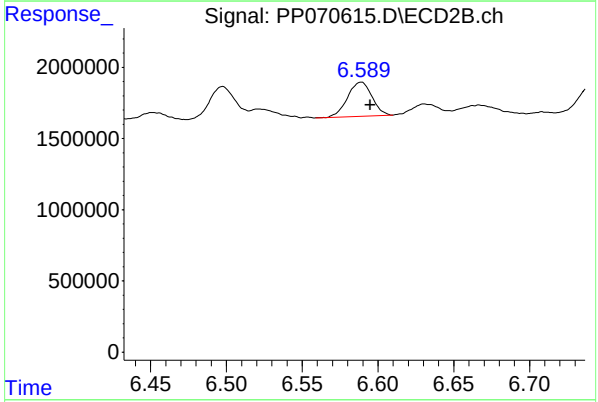
#32 AR-1260-2

R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 4161408
Conc: 50.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O32

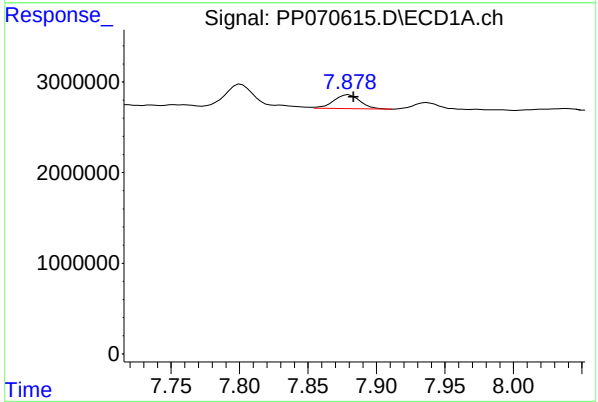
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



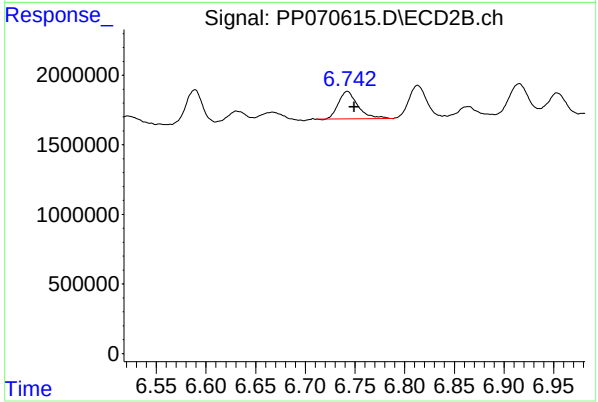
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 2676063
Conc: 40.49 ng/ml



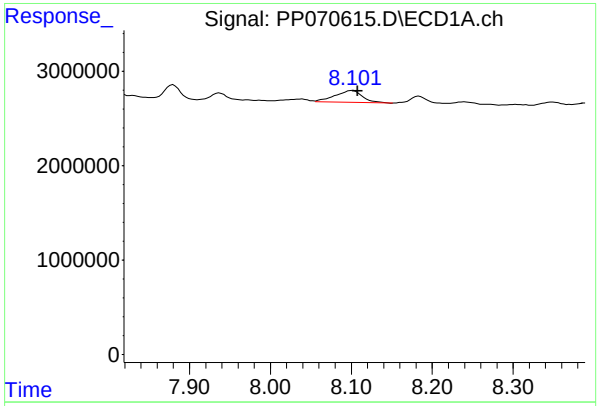
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 2038401
Conc: 31.00 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 2701056
Conc: 47.22 ng/ml



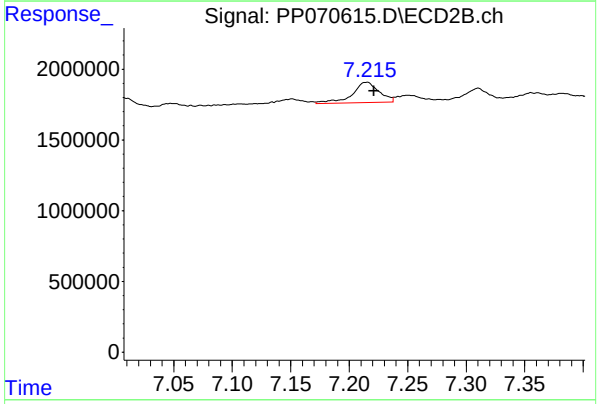
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.005 min
Response: 3004524
Conc: 45.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O32

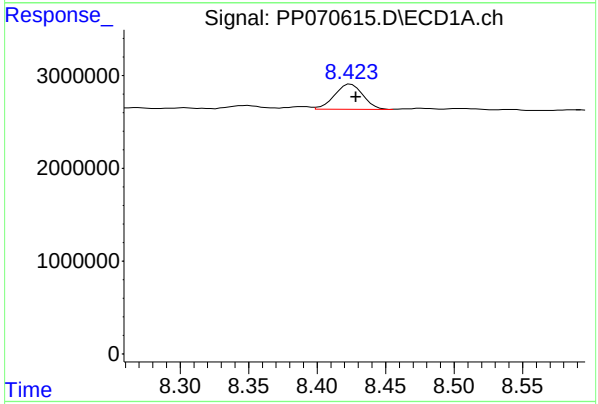
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



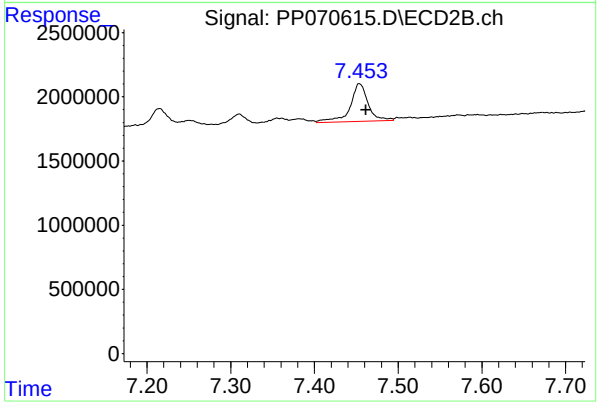
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 2274648
Conc: 44.46 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 3896585
Conc: 28.51 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 4331599
Conc: 33.63 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O33	SDG No.:	Q1573
Lab Sample ID:	Q1573-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	64.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070616.D	1	03/17/25 08:35	03/17/25 21:52	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	26.3	U	6.10	26.3	ug/kg
11104-28-2	Aroclor-1221	26.3	U	6.20	26.3	ug/kg
11141-16-5	Aroclor-1232	26.3	U	5.80	26.3	ug/kg
53469-21-9	Aroclor-1242	26.3	U	6.20	26.3	ug/kg
12672-29-6	Aroclor-1248	204		9.20	26.3	ug/kg
11097-69-1	Aroclor-1254	26.3	U	5.00	26.3	ug/kg
37324-23-5	Aroclor-1262	26.3	U	7.80	26.3	ug/kg
11100-14-4	Aroclor-1268	26.3	U	5.60	26.3	ug/kg
11096-82-5	Aroclor-1260	176		5.00	26.3	ug/kg
Total PCBs	Total PCBs	380		14.2	26.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.20		32 - 175	46%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:52
Operator : YP\AJ
Sample : Q1573-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O33

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.522	3.824	27044622	19227121	17.388	19.183
2)	SA Decachlor...	10.243	8.871	9422115	9003816	8.869	9.203
	Target Compounds						
21)	L5 AR-1248-1	5.678	4.912	7015677	4577872	205.401m	195.006m
22)	L5 AR-1248-2	5.946	5.148	17989212	12903631	423.801	412.211
23)	L5 AR-1248-3	6.148	5.190	19504556	13277416	422.646	418.561
24)	L5 AR-1248-4	6.547	5.363	23296368	16359291	401.722	419.758
25)	L5 AR-1248-5	6.587	5.757	28408180	19815236	529.141	520.267
31)	L7 AR-1260-1	7.267	6.400	20821278	21283618	354.476	427.516
32)	L7 AR-1260-2	7.521	6.588	32863635	23102716	400.566	349.578
33)	L7 AR-1260-3	7.880	6.741	20193393	18305704	307.088	320.045
34)	L7 AR-1260-4	8.102	7.213	21431126	14868980	327.980m	290.617
35)	L7 AR-1260-5	8.424	7.454	43247851	37911725	316.422	294.379

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

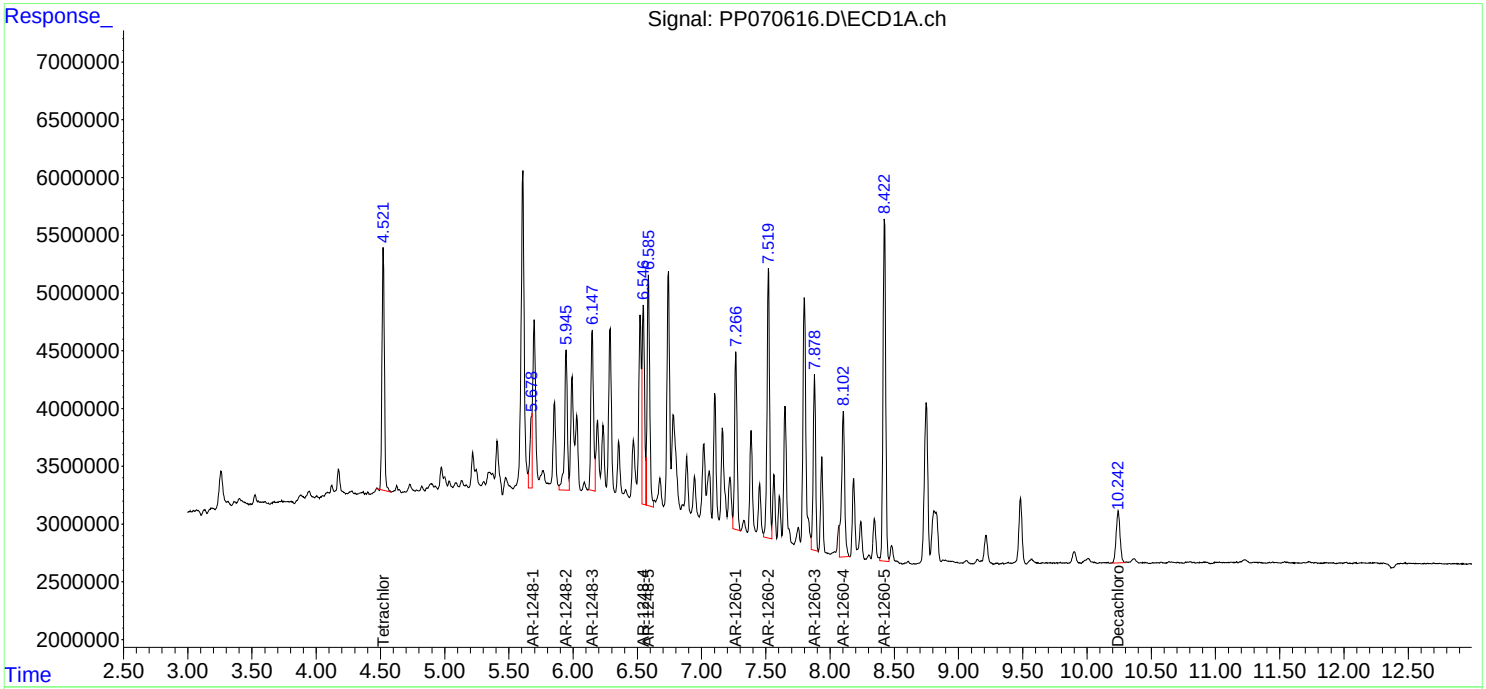
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:52
Operator : YP\AJ
Sample : Q1573-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

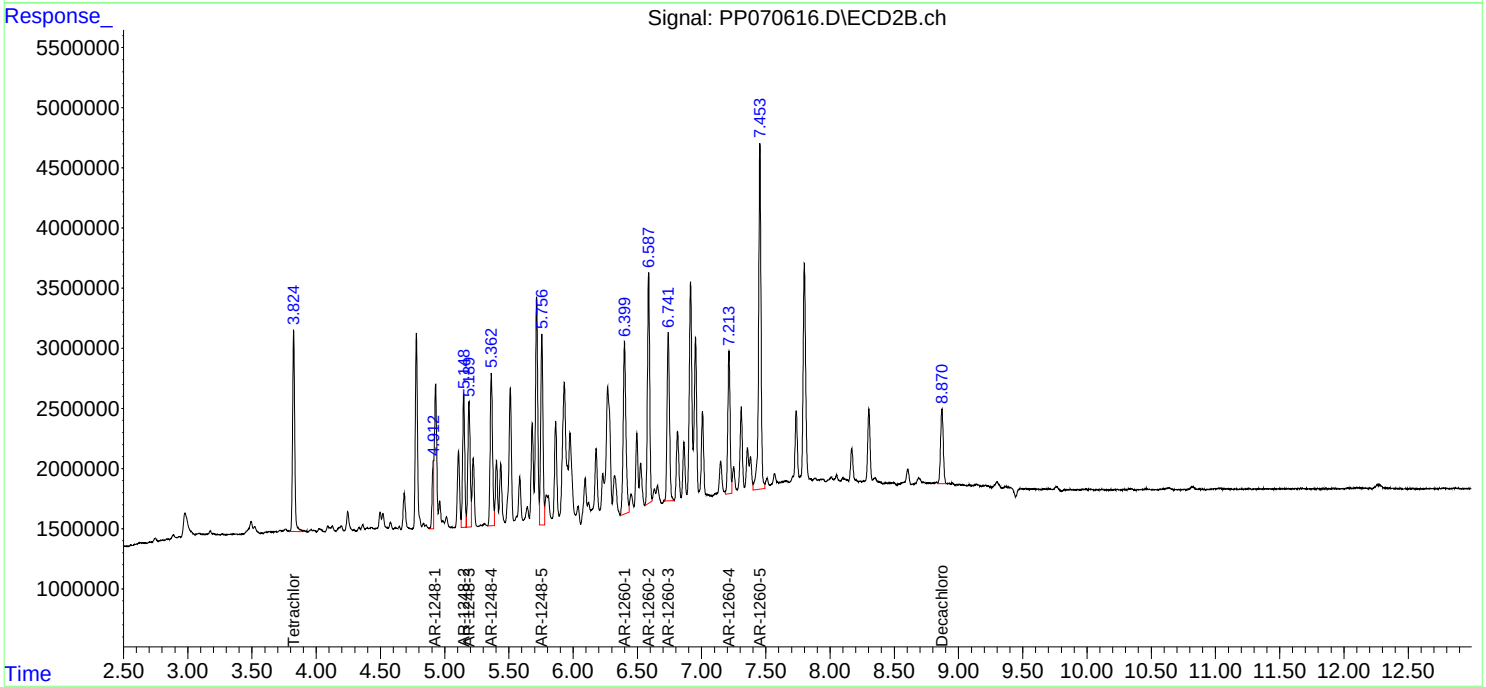
Instrument :
ECD_P
ClientSampleId :
C0O33

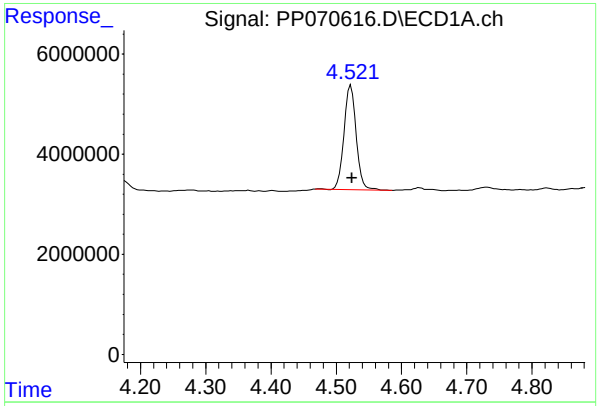
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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.: 4.522 min
Delta R.T.: -0.002 mi
Response: 27044622
Conc: 17.39 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O33

Manual Integrations
APPROVED

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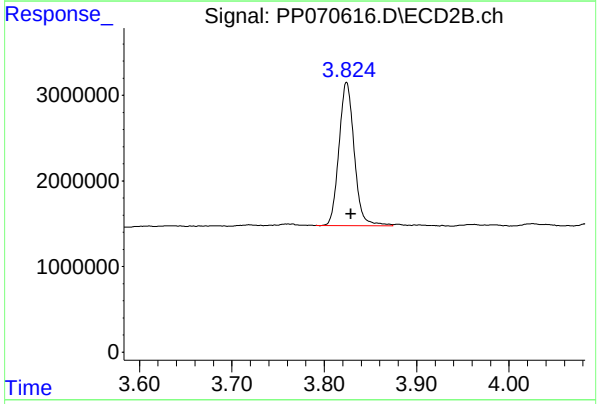
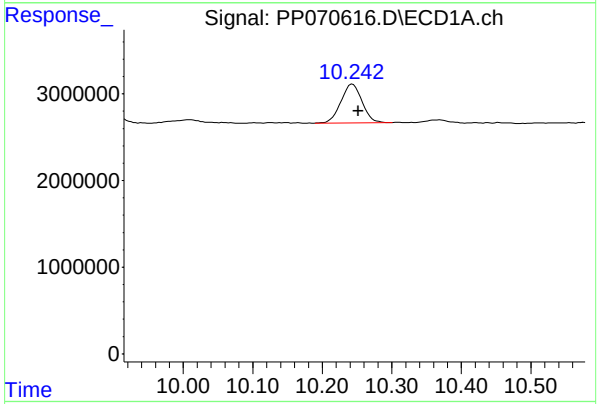


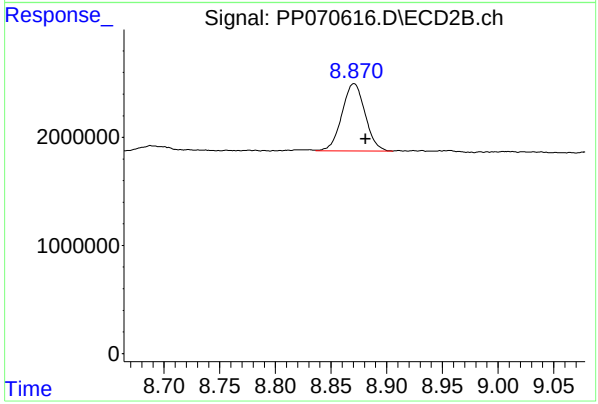
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 19227121
Conc: 19.18 ng/ml



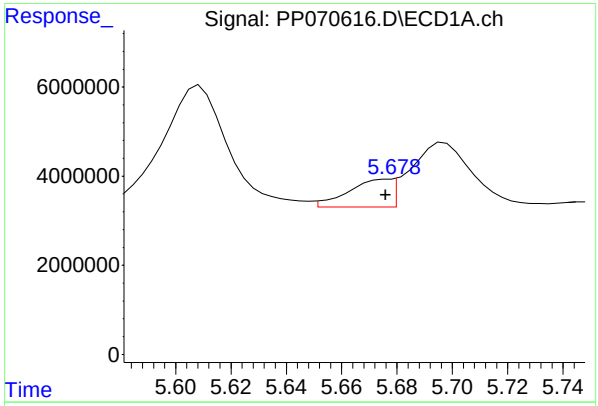
#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.008 min
Response: 9422115
Conc: 8.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 9003816
Conc: 9.20 ng/ml



#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 mi
Response: 7015677
Conc: 205.40 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O33

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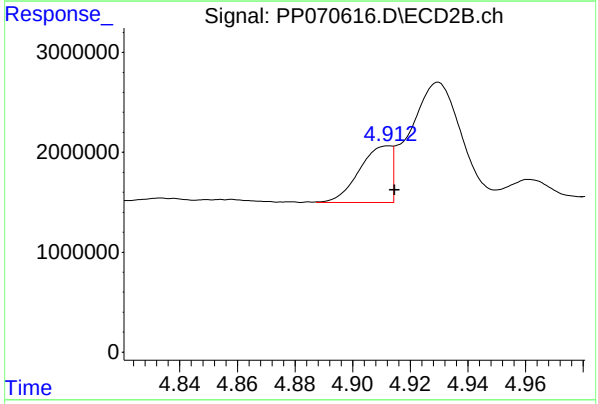
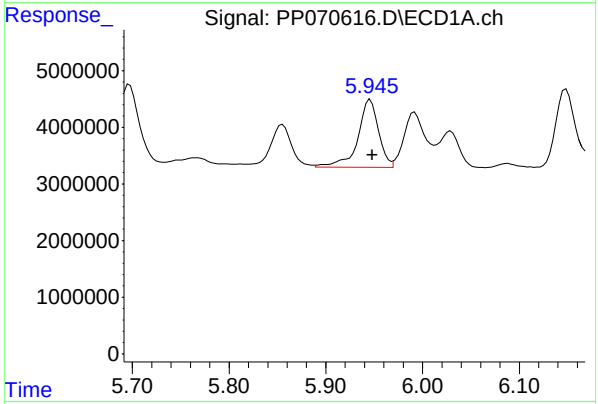


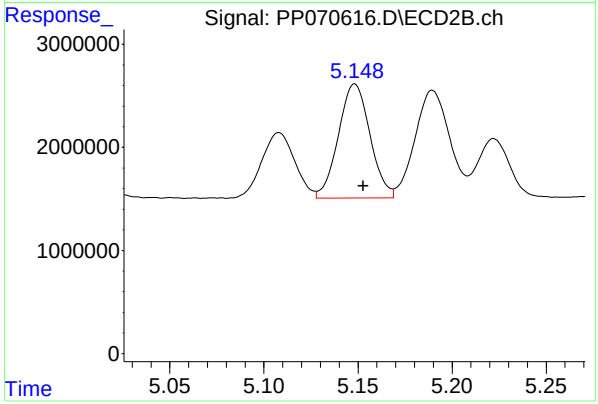
#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 4577872
Conc: 195.01 ng/ml m



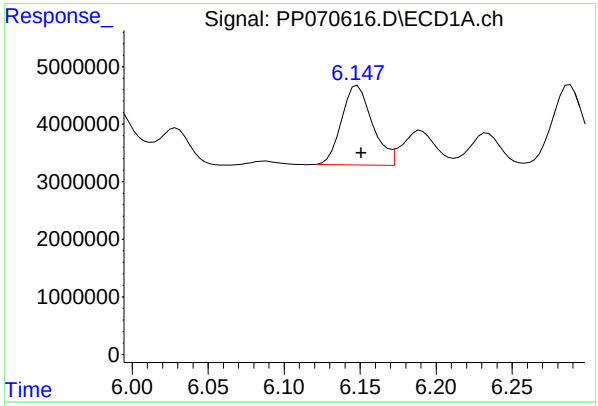
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 17989212
Conc: 423.80 ng/ml



#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 12903631
Conc: 412.21 ng/ml



#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.002 min
Response: 19504556
Conc: 422.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O33

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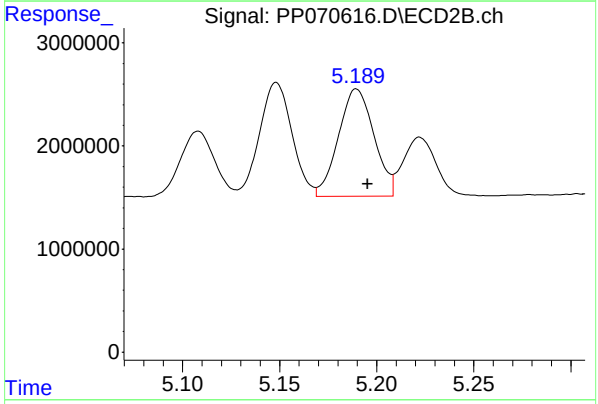
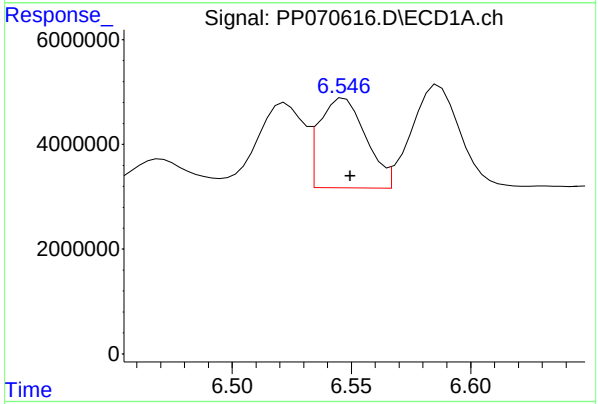


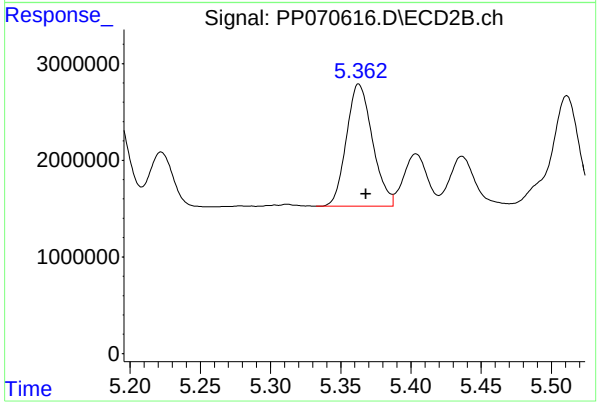
#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.006 min
Response: 13277416
Conc: 418.56 ng/ml



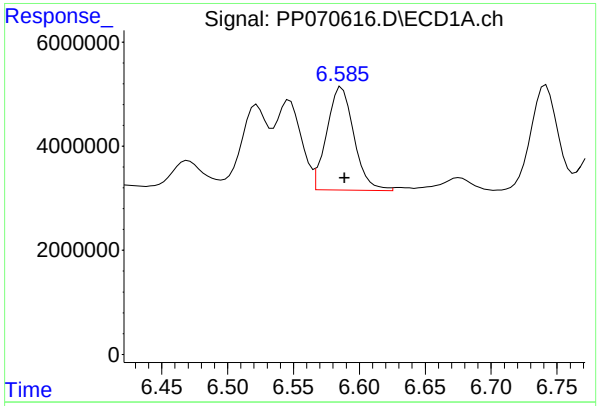
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.003 min
Response: 23296368
Conc: 401.72 ng/ml



#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 16359291
Conc: 419.76 ng/ml



#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 28408180
Conc: 529.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O33

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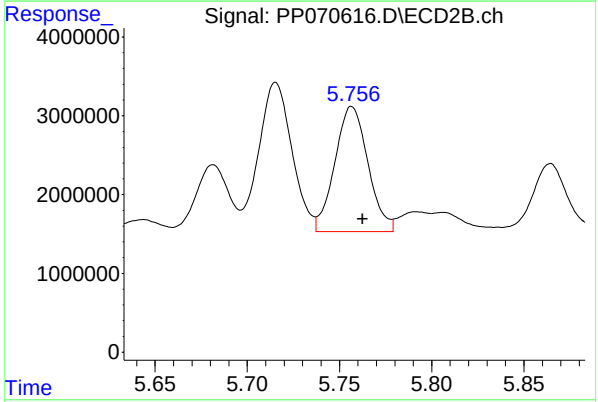
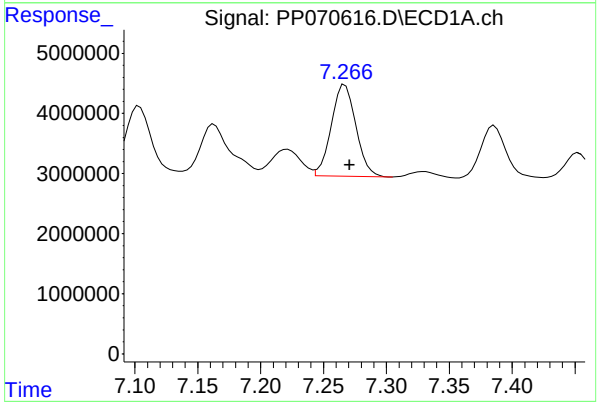


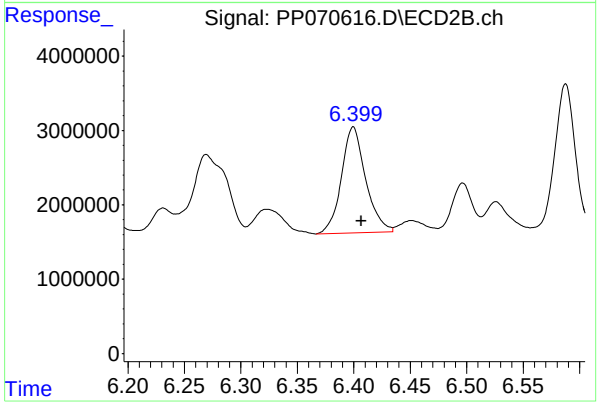
#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.006 min
Response: 19815236
Conc: 520.27 ng/ml



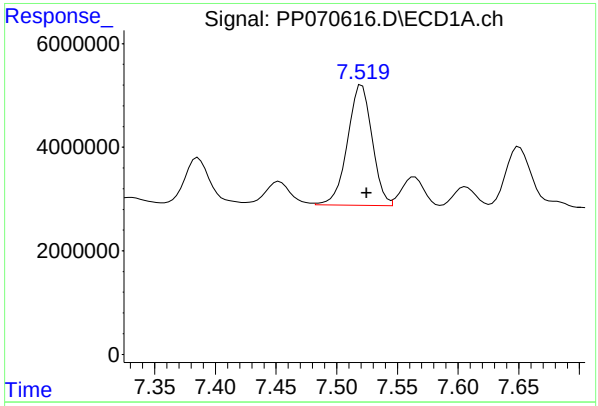
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 20821278
Conc: 354.48 ng/ml



#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 21283618
Conc: 427.52 ng/ml



#32 AR-1260-2

R.T.: 7.521 min
Delta R.T.: -0.004 min
Response: 32863635
Conc: 400.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O33

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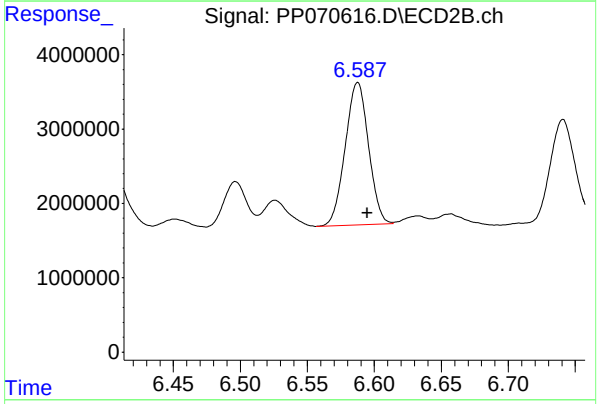
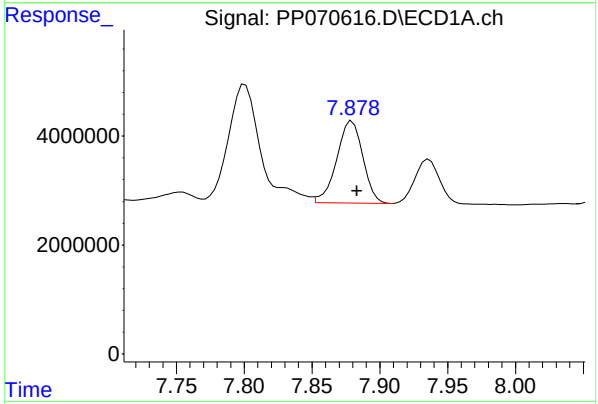


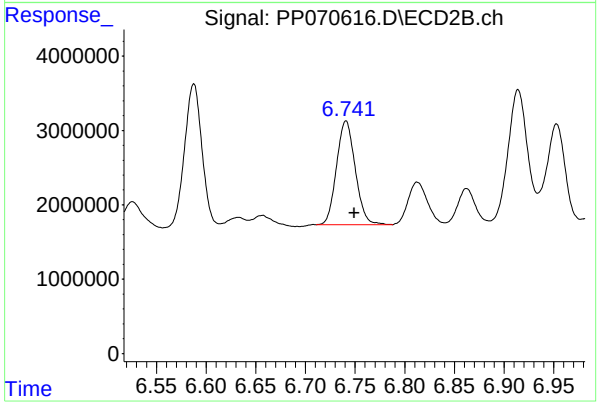
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 23102716
Conc: 349.58 ng/ml



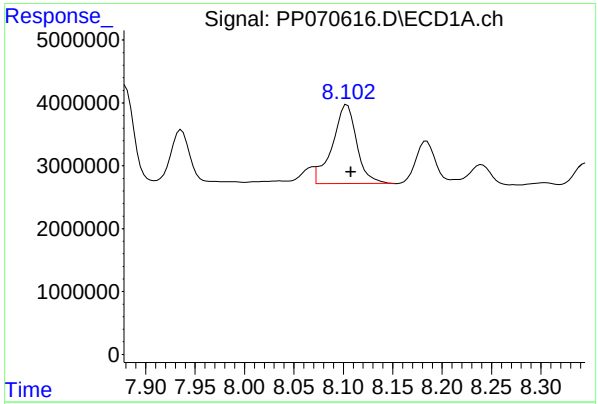
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.004 min
Response: 20193393
Conc: 307.09 ng/ml



#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 18305704
Conc: 320.04 ng/ml



#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.005 min
Response: 21431126
Conc: 327.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O33

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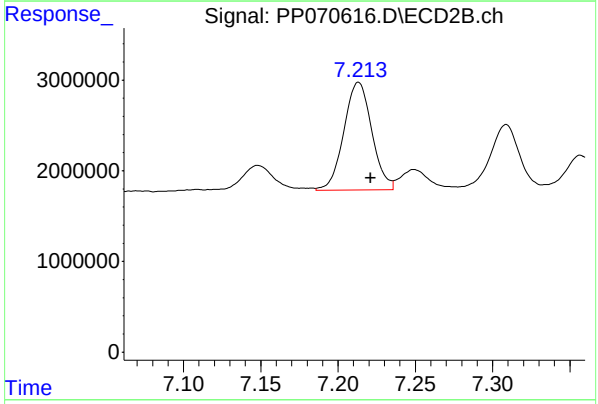
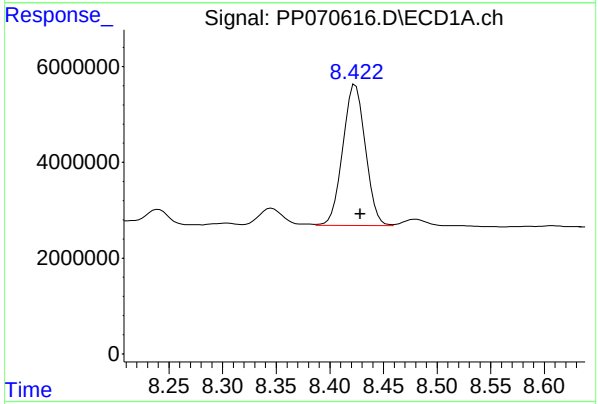


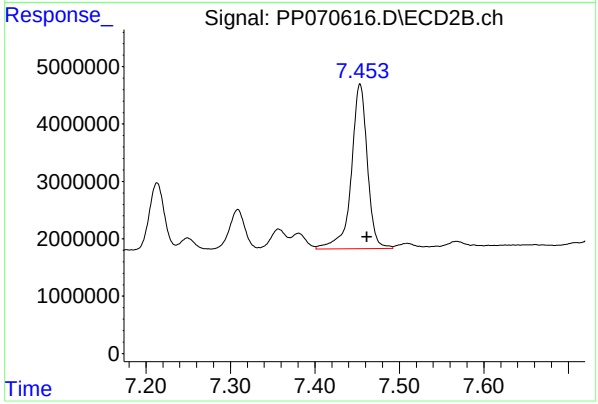
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 14868980
Conc: 290.62 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 min
Response: 43247851
Conc: 316.42 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 37911725
Conc: 294.38 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O34	SDG No.:	Q1573
Lab Sample ID:	Q1573-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070617.D	1	03/17/25 08:35	03/17/25 22:08	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.7	U	4.80	20.7	ug/kg
11104-28-2	Aroclor-1221	20.7	U	4.90	20.7	ug/kg
11141-16-5	Aroclor-1232	20.7	U	4.50	20.7	ug/kg
53469-21-9	Aroclor-1242	20.7	U	4.90	20.7	ug/kg
12672-29-6	Aroclor-1248	45.5		7.20	20.7	ug/kg
11097-69-1	Aroclor-1254	20.7	U	3.90	20.7	ug/kg
37324-23-5	Aroclor-1262	20.7	U	6.10	20.7	ug/kg
11100-14-4	Aroclor-1268	20.7	U	4.40	20.7	ug/kg
11096-82-5	Aroclor-1260	9.60	J	3.90	20.7	ug/kg
Total PCBs	Total PCBs	55.1		11.1	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		32 - 144	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.50		32 - 175	43%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 22:08
Operator : YP\AJ
Sample : Q1573-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O34

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	25830687	18127815	16.607	18.087	
2)	SA Decachlor...	10.240	8.870	8703508	8320233	8.193	8.504	
	Target Compounds							
21)	L5 AR-1248-1	5.668	4.911	2096169	1249727	61.371m	53.235	
22)	L5 AR-1248-2	5.943	5.148	4723810	3362488	111.287	107.416	
23)	L5 AR-1248-3	6.146	5.191	4423779	3206757	95.859	101.091	
24)	L5 AR-1248-4	6.544	5.363	7766018	4346207	133.917	111.518	
25)	L5 AR-1248-5	6.583	5.757	8550072	4982210	159.257	130.812	
31)	L7 AR-1260-1	7.264	6.402	1880012	2174921	32.007	43.687	#
32)	L7 AR-1260-2	7.518	6.588	1805424	1120810	22.006	16.959	
33)	L7 AR-1260-3	7.876	6.742	789810	1335553	12.011	23.350m	#
34)	L7 AR-1260-4	8.085	7.214	1664496	832936	25.473	16.280	#
35)	L7 AR-1260-5	8.420	7.454	1673374	2325359	12.243	18.056	#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 22:08
Operator : YP\AJ
Sample : Q1573-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

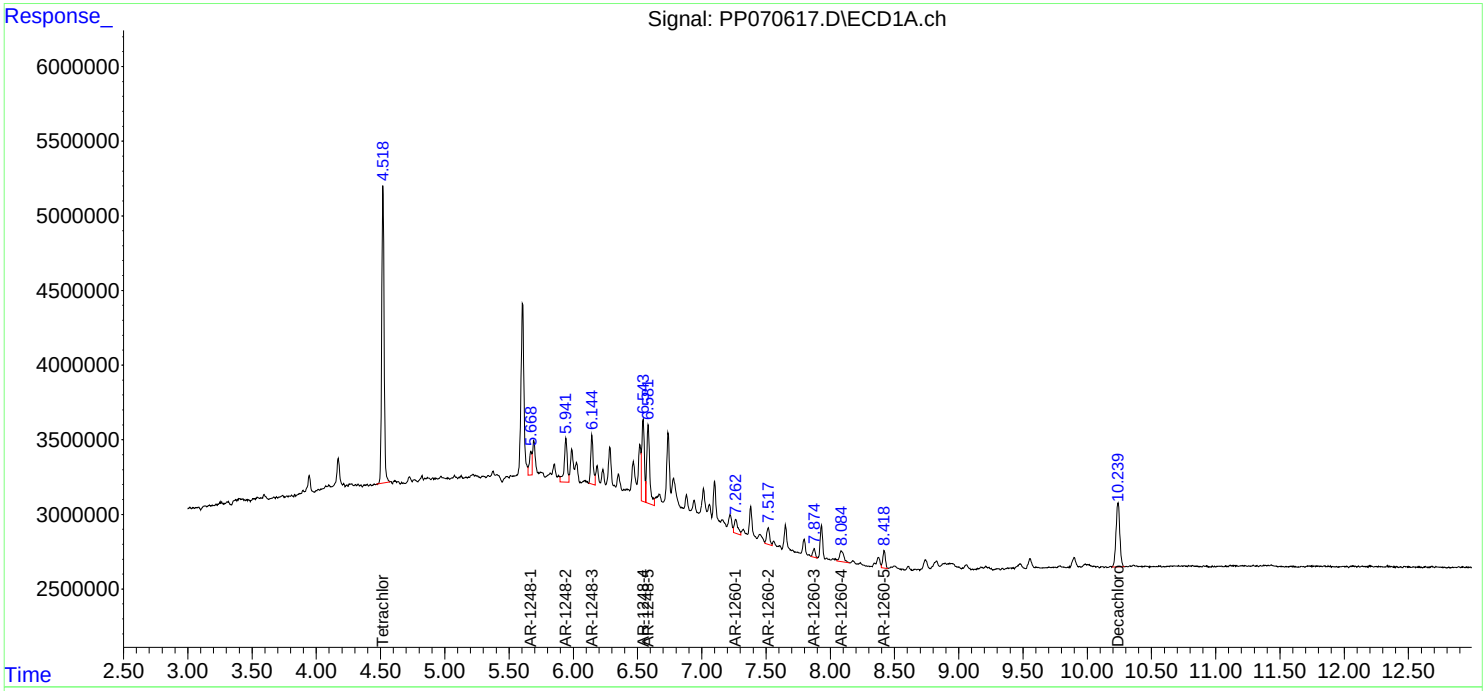
Instrument :
ECD_P
ClientSampleId :
C0O34

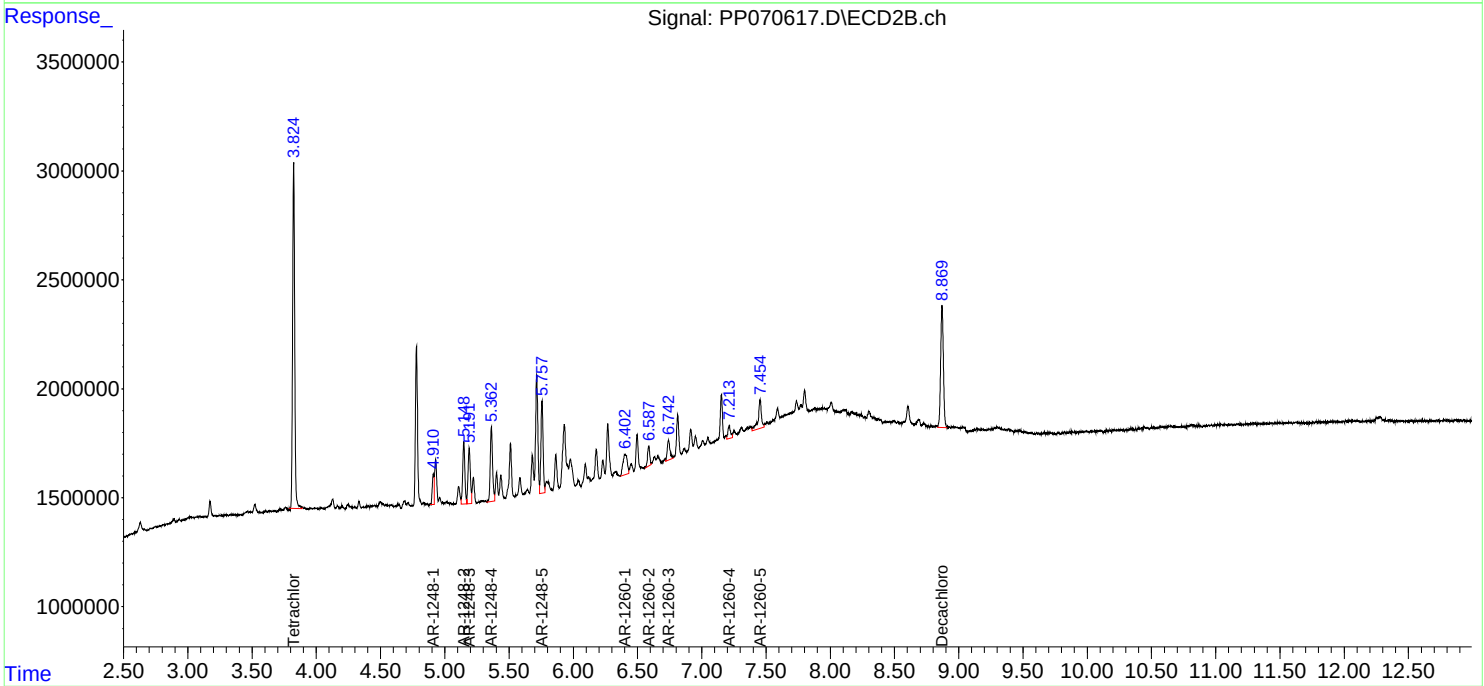
Manual Integrations APPROVED

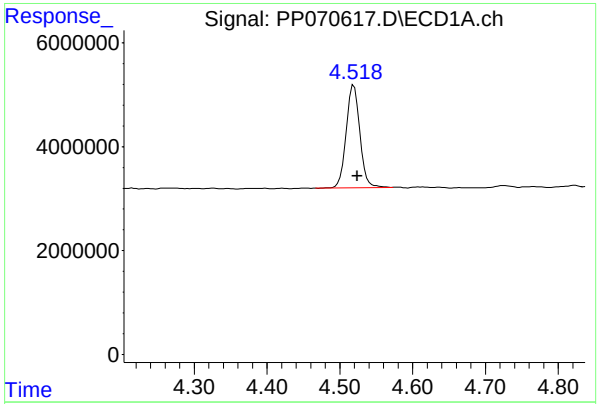
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







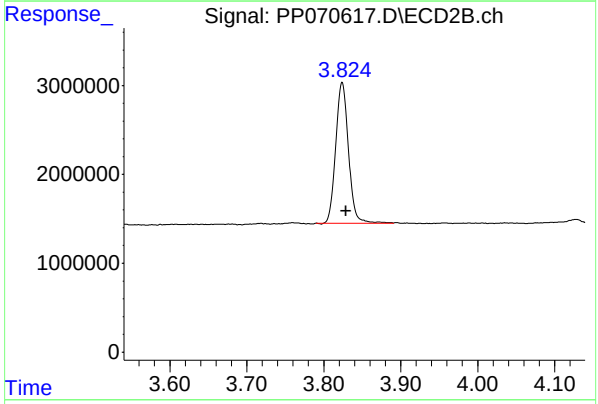
#1 Tetrachloro-m-xylene

R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 25830687
Conc: 16.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O34

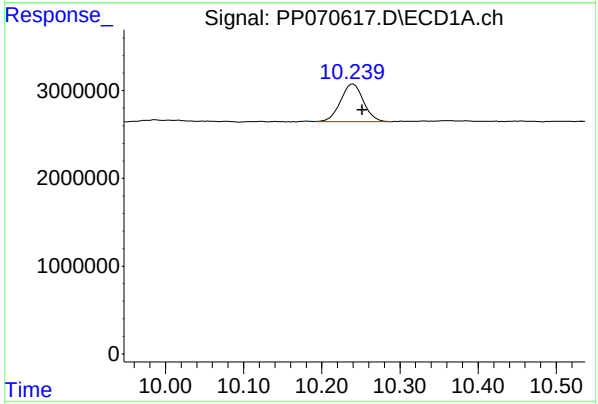
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



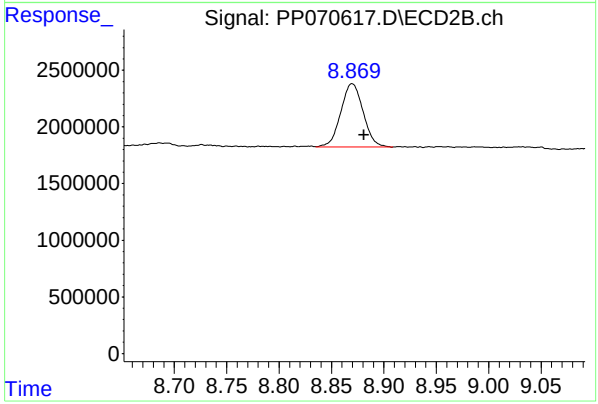
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 18127815
Conc: 18.09 ng/ml



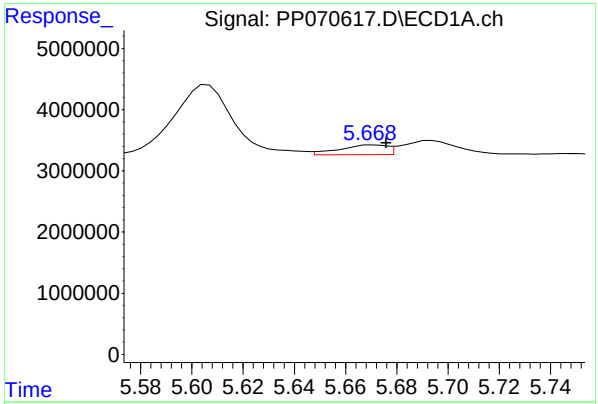
#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.011 min
Response: 8703508
Conc: 8.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 8320233
Conc: 8.50 ng/ml



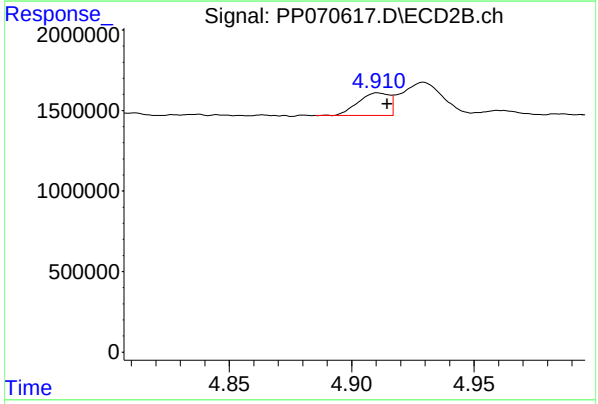
#21 AR-1248-1

R.T.: 5.668 min
Delta R.T.: -0.008 min
Response: 2096169
Conc: 61.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O34

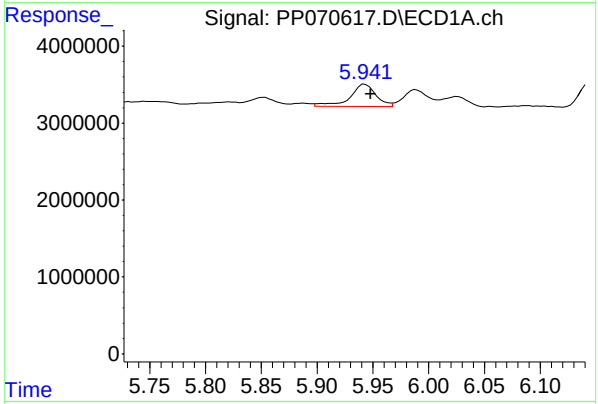
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



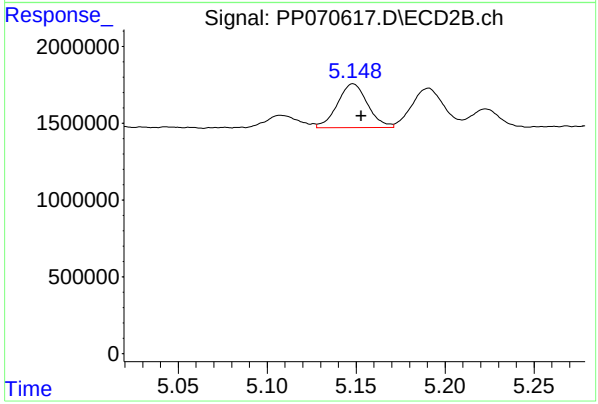
#21 AR-1248-1

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 1249727
Conc: 53.24 ng/ml



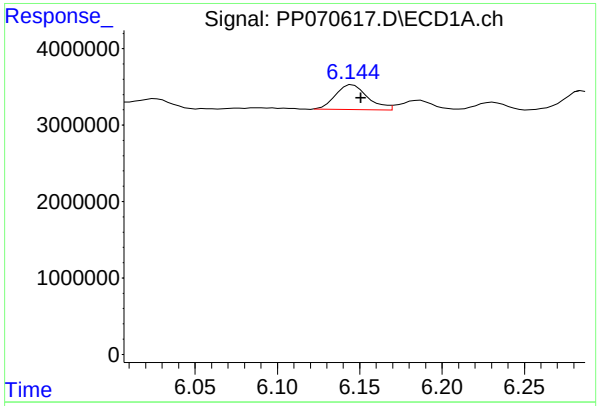
#22 AR-1248-2

R.T.: 5.943 min
Delta R.T.: -0.005 min
Response: 4723810
Conc: 111.29 ng/ml



#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 3362488
Conc: 107.42 ng/ml



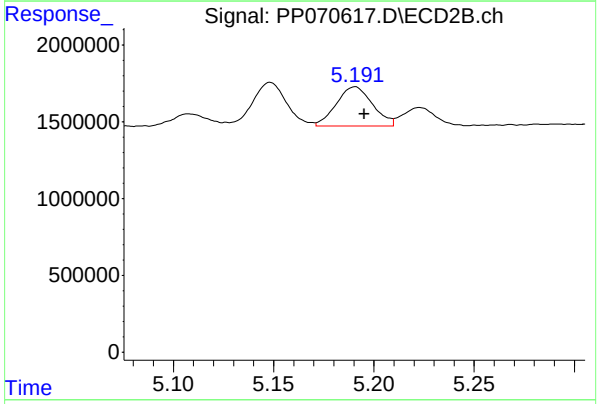
#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.005 min
Response: 4423779
Conc: 95.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O34

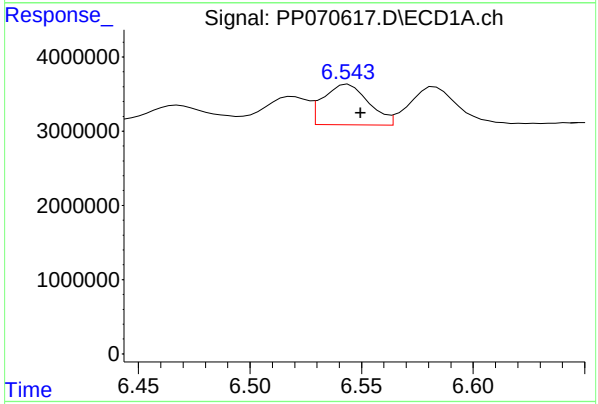
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



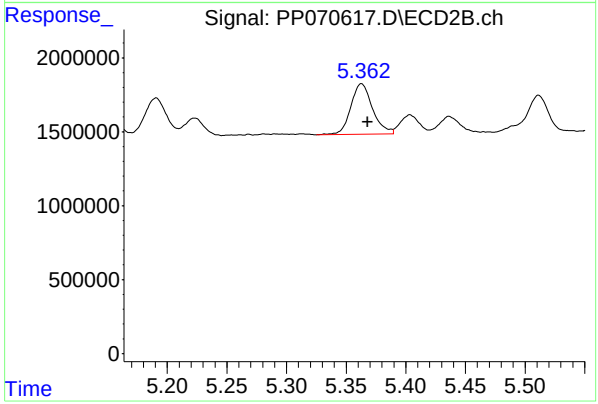
#23 AR-1248-3

R.T.: 5.191 min
Delta R.T.: -0.005 min
Response: 3206757
Conc: 101.09 ng/ml



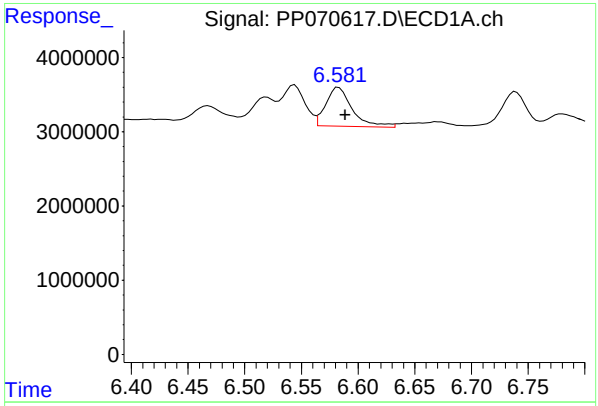
#24 AR-1248-4

R.T.: 6.544 min
Delta R.T.: -0.005 min
Response: 7766018
Conc: 133.92 ng/ml



#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 4346207
Conc: 111.52 ng/ml



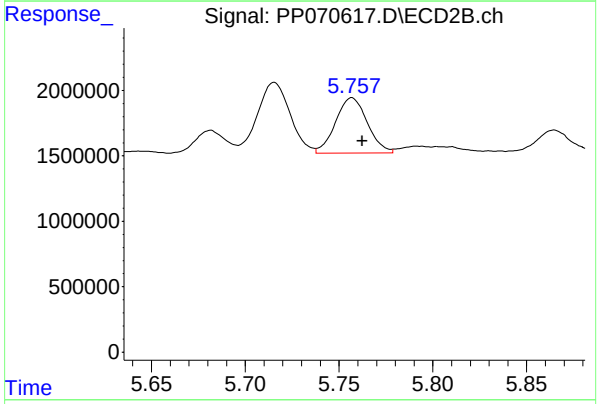
#25 AR-1248-5

R.T.: 6.583 min
Delta R.T.: -0.006 min
Response: 8550072
Conc: 159.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O34

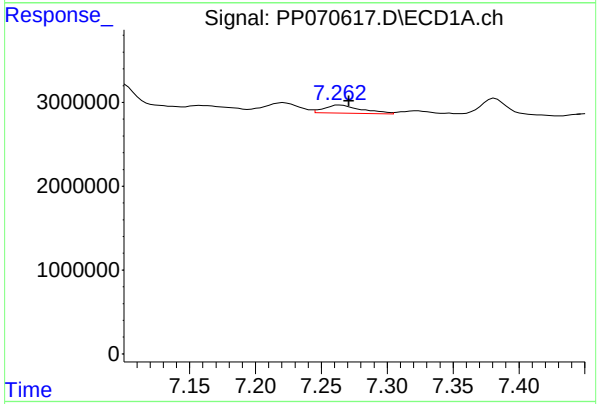
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



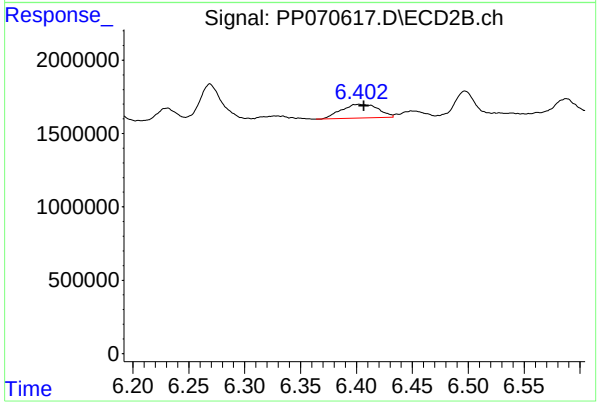
#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.006 min
Response: 4982210
Conc: 130.81 ng/ml



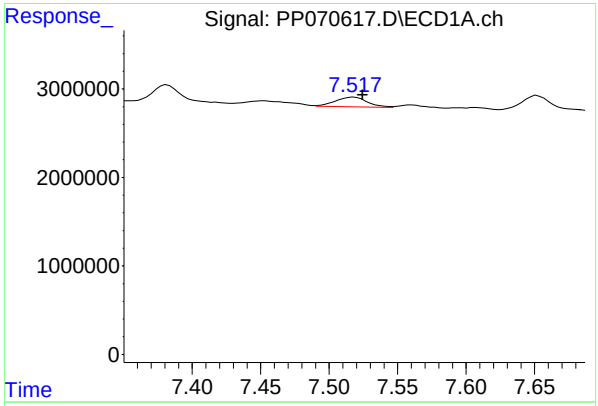
#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 1880012
Conc: 32.01 ng/ml



#31 AR-1260-1

R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 2174921
Conc: 43.69 ng/ml



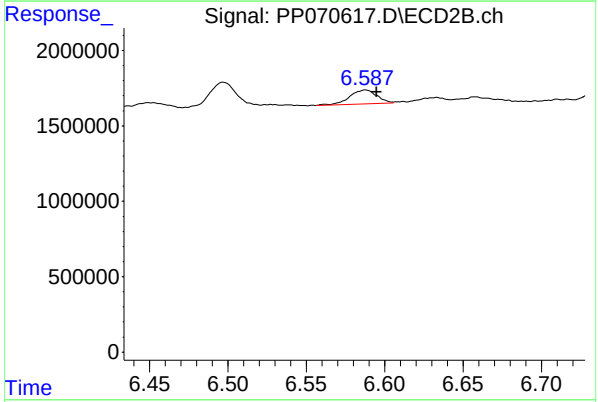
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 min
Response: 1805424
Conc: 22.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O34

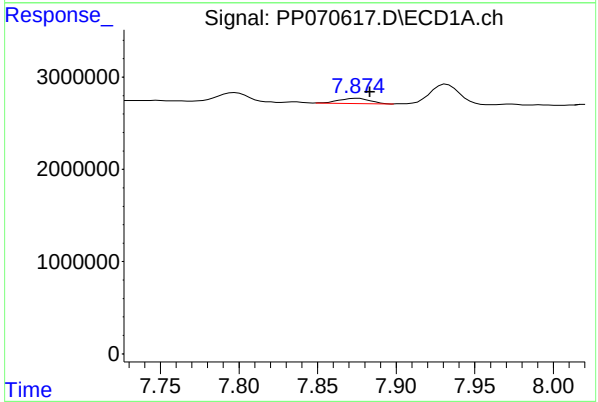
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



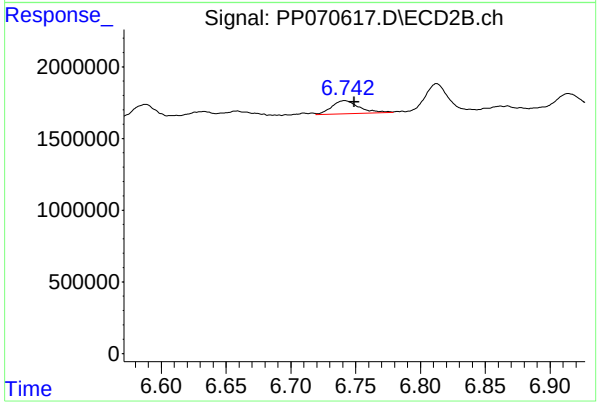
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 1120810
Conc: 16.96 ng/ml



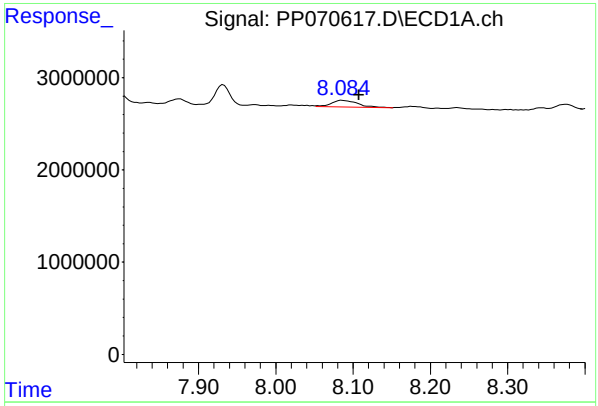
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.008 min
Response: 789810
Conc: 12.01 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.008 min
Response: 1335553
Conc: 23.35 ng/ml m



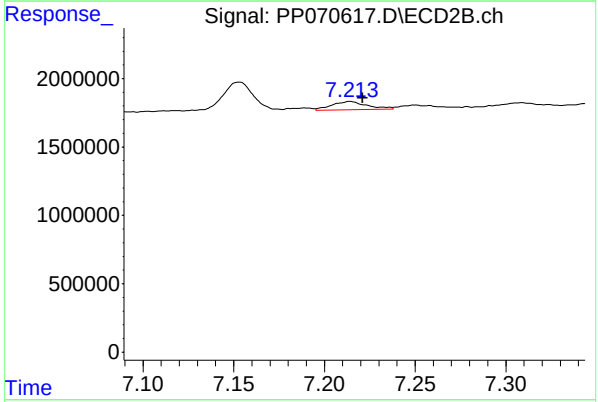
#34 AR-1260-4

R.T.: 8.085 min
Delta R.T.: -0.022 min
Response: 1664496
Conc: 25.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O34

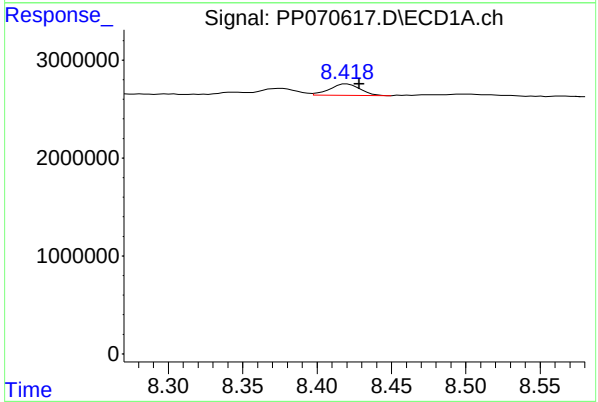
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



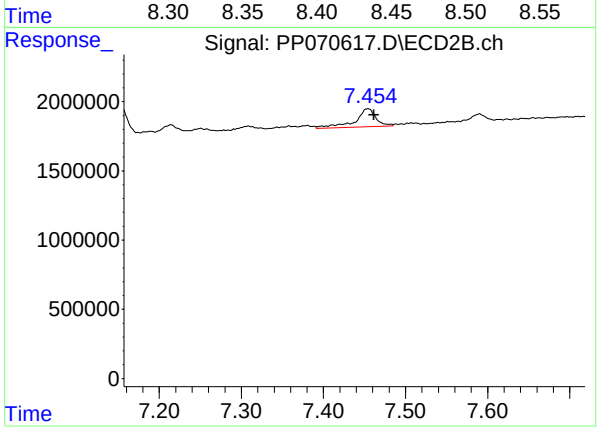
#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 832936
Conc: 16.28 ng/ml



#35 AR-1260-5

R.T.: 8.420 min
Delta R.T.: -0.009 min
Response: 1673374
Conc: 12.24 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 2325359
Conc: 18.06 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O35	SDG No.:	Q1573
Lab Sample ID:	Q1573-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070645.D	1	03/17/25 08:35	03/18/25 10:14	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	21.8	U	5.10	21.8	ug/kg
11104-28-2	Aroclor-1221	21.8	U	5.20	21.8	ug/kg
11141-16-5	Aroclor-1232	21.8	U	4.80	21.8	ug/kg
53469-21-9	Aroclor-1242	21.8	U	5.10	21.8	ug/kg
12672-29-6	Aroclor-1248	25.5		7.60	21.8	ug/kg
11097-69-1	Aroclor-1254	21.8	U	4.10	21.8	ug/kg
37324-23-5	Aroclor-1262	21.8	U	6.40	21.8	ug/kg
11100-14-4	Aroclor-1268	21.8	U	4.60	21.8	ug/kg
11096-82-5	Aroclor-1260	13.5	J	4.10	21.8	ug/kg
Total PCBs	Total PCBs	39.0		11.7	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		32 - 144	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.49		32 - 175	37%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:14
Operator : YP\AJ
Sample : Q1573-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O35

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.528	3.826	20278275	15201686	13.037	15.167
2)	SA Decachlor...	10.255	8.875	7648609	7323519	7.200	7.485
	Target Compounds						
21)	L5 AR-1248-1	5.687	4.912	1497795	845292	43.852m	36.007m
22)	L5 AR-1248-2	5.953	5.151	2420329	1776147	57.020	56.740
23)	L5 AR-1248-3	6.155	5.193	2415771	1849042	52.348	58.290
24)	L5 AR-1248-4	6.552	5.366	3669013	2206824	63.268m	56.624
25)	L5 AR-1248-5	6.592	5.760	4327923	3458486	80.613m	90.806
31)	L7 AR-1260-1	7.274	6.403	2020387	2372701	34.396	47.660 #
32)	L7 AR-1260-2	7.527	6.591	2820925	1975914	34.383	29.898
33)	L7 AR-1260-3	7.885	6.745	1401949	1981844	21.320	34.649m#
34)	L7 AR-1260-4	8.109	7.217	2340760	1265066	35.823	24.726 #
35)	L7 AR-1260-5	8.431	7.457	2251920	2748822	16.476	21.344 #

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

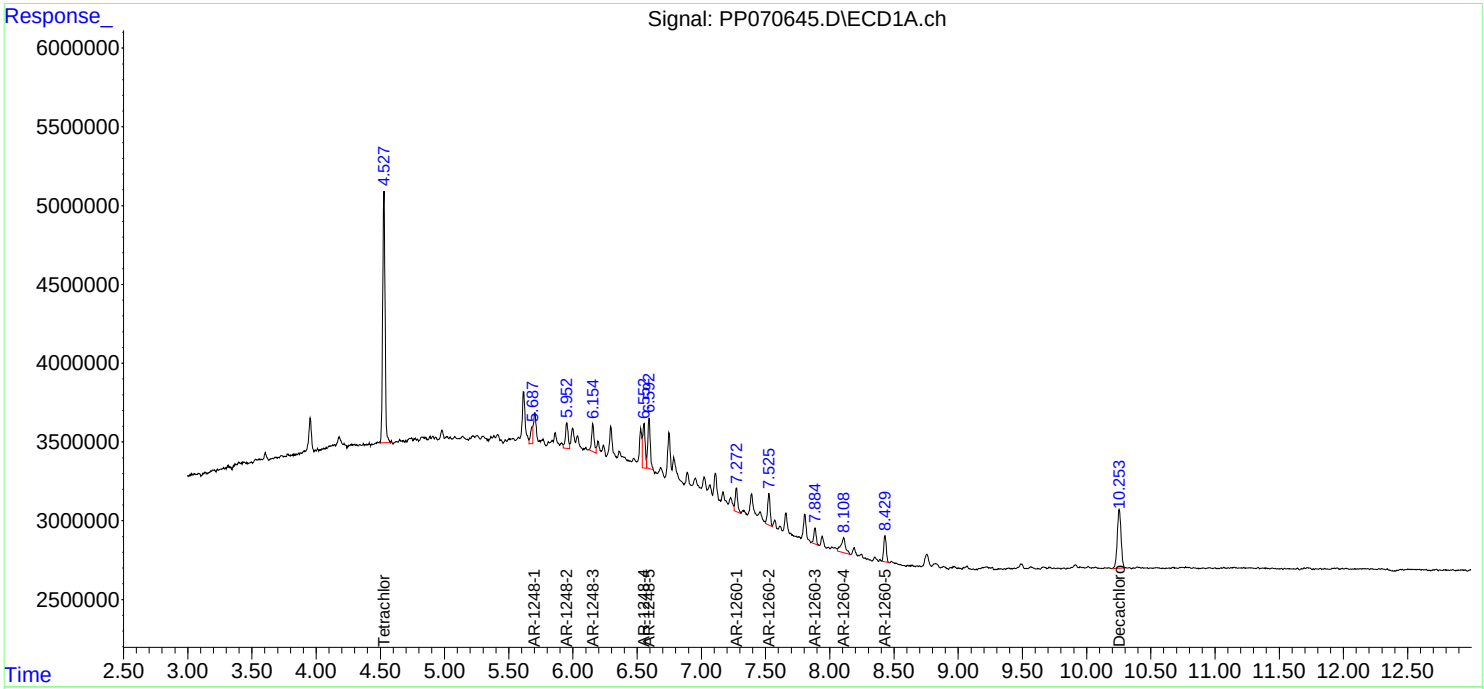
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:14
Operator : YP\AJ
Sample : Q1573-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

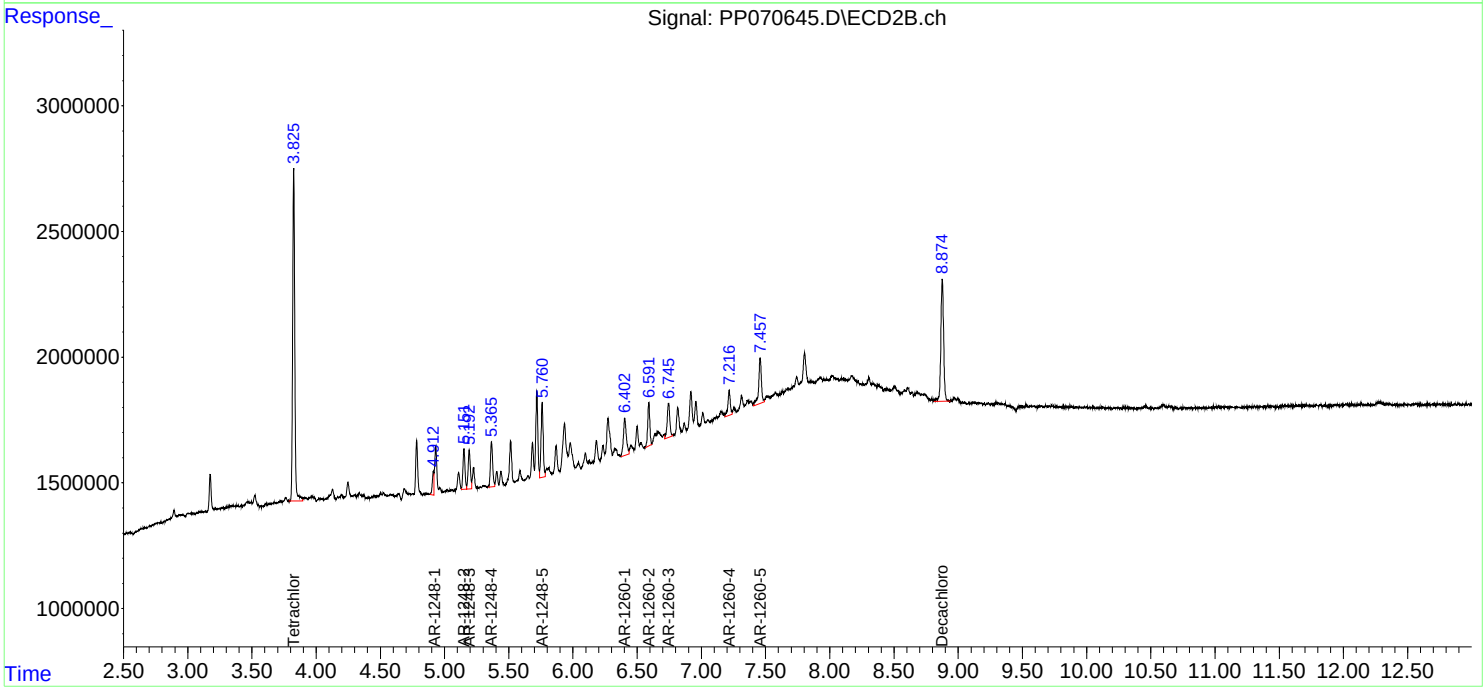
Instrument :
ECD_P
ClientSampleId :
C0O35

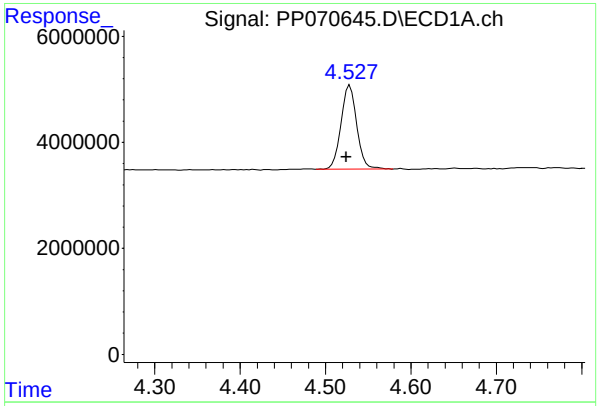
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







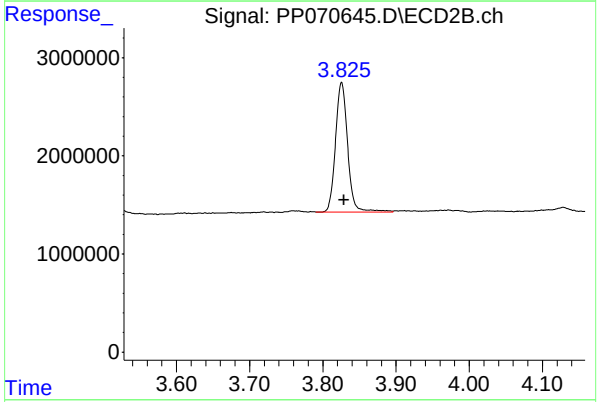
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.004 min
Response: 20278275
Conc: 13.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O35

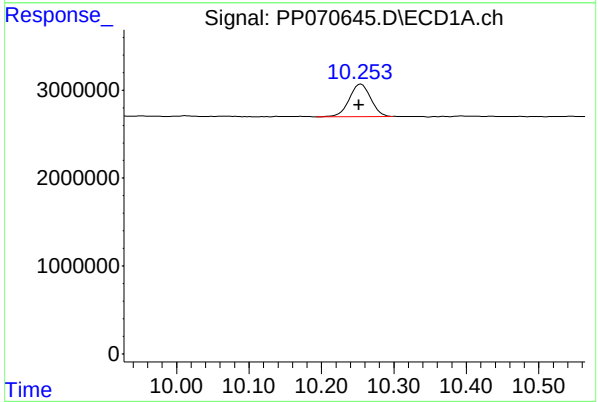
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



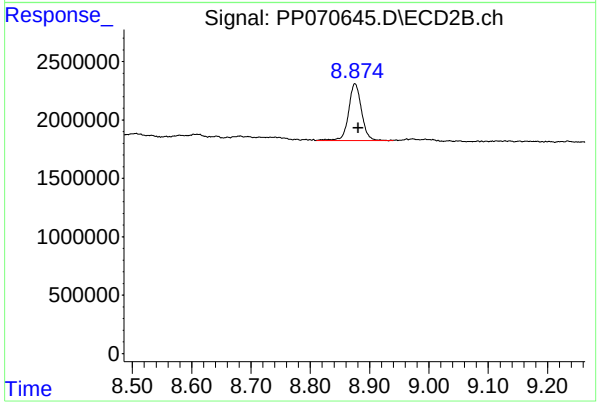
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 15201686
Conc: 15.17 ng/ml



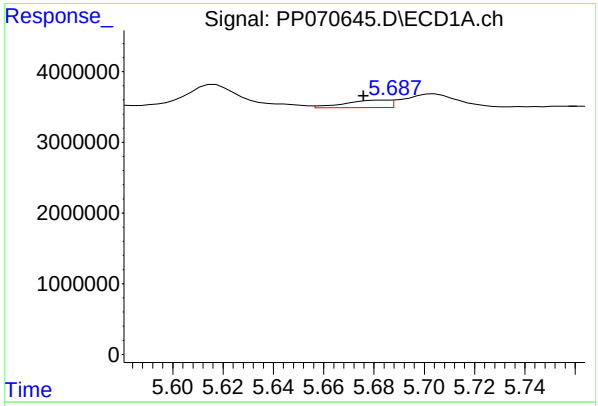
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.003 min
Response: 7648609
Conc: 7.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.875 min
Delta R.T.: -0.006 min
Response: 7323519
Conc: 7.49 ng/ml



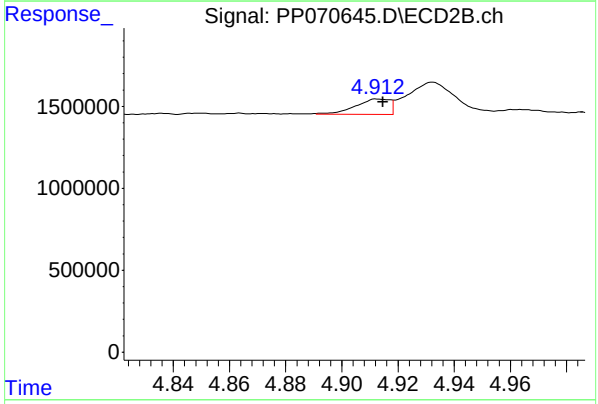
#21 AR-1248-1

R.T.: 5.687 min
Delta R.T.: 0.011 mi
Response: 1497795
Conc: 43.85 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O35

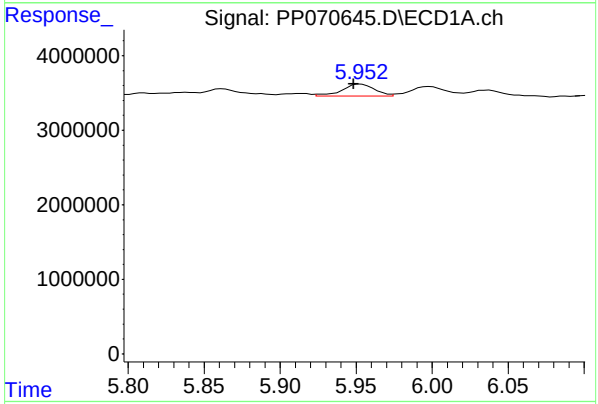
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



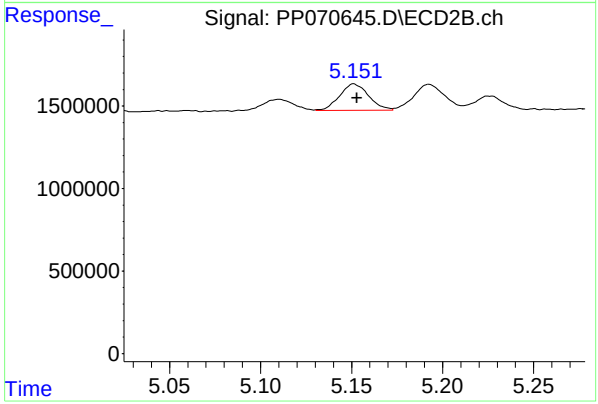
#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 845292
Conc: 36.01 ng/ml m



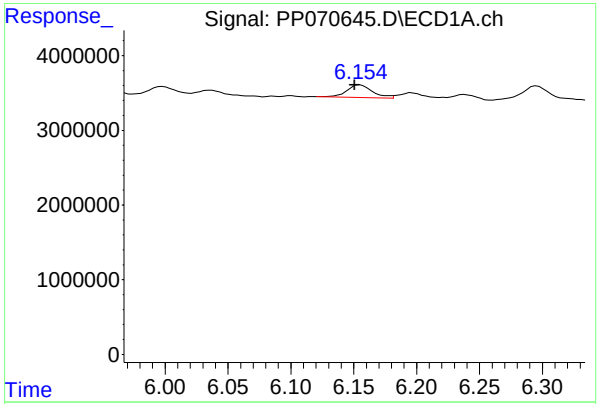
#22 AR-1248-2

R.T.: 5.953 min
Delta R.T.: 0.005 min
Response: 2420329
Conc: 57.02 ng/ml



#22 AR-1248-2

R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 1776147
Conc: 56.74 ng/ml



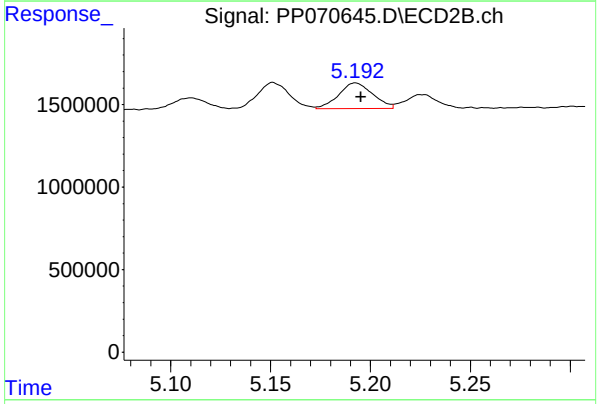
#23 AR-1248-3

R.T.: 6.155 min
Delta R.T.: 0.004 mi
Response: 2415771
Conc: 52.35 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O35

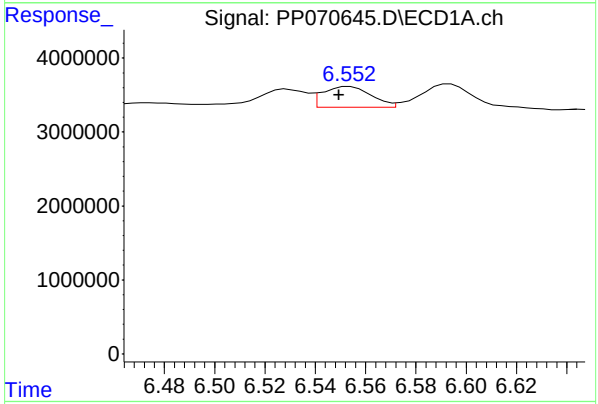
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



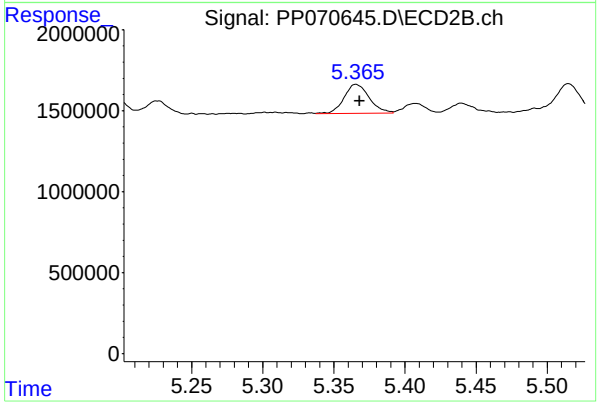
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.003 min
Response: 1849042
Conc: 58.29 ng/ml



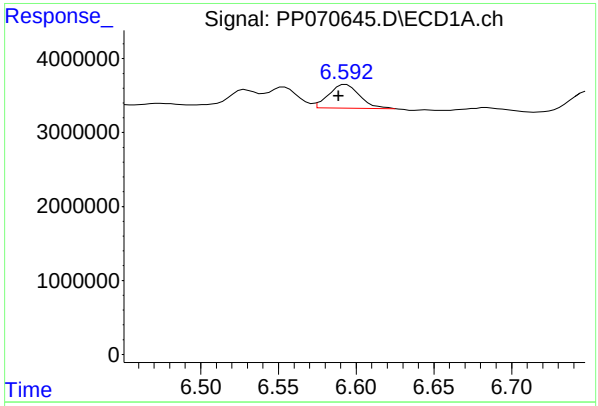
#24 AR-1248-4

R.T.: 6.552 min
Delta R.T.: 0.003 min
Response: 3669013
Conc: 63.27 ng/ml m



#24 AR-1248-4

R.T.: 5.366 min
Delta R.T.: -0.003 min
Response: 2206824
Conc: 56.62 ng/ml



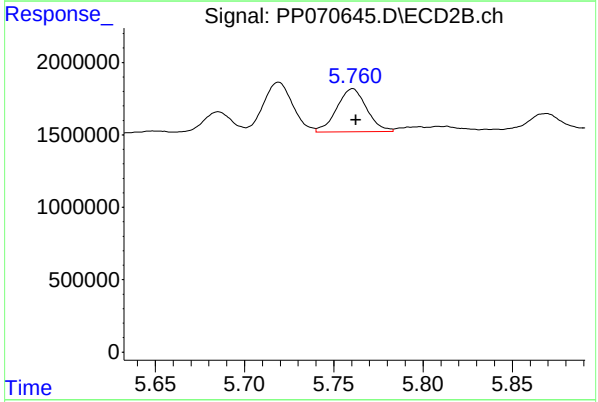
#25 AR-1248-5

R.T.: 6.592 min
Delta R.T.: 0.003 min
Response: 4327923
Conc: 80.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O35

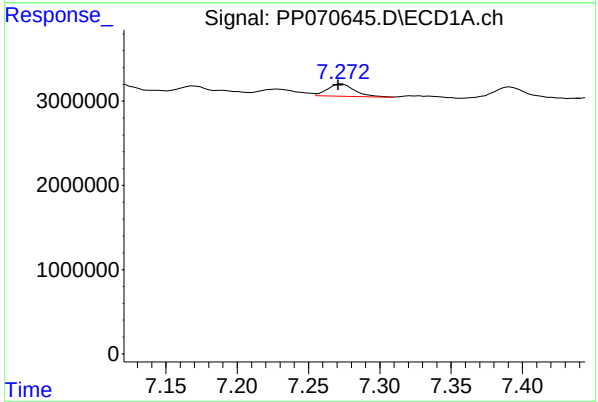
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



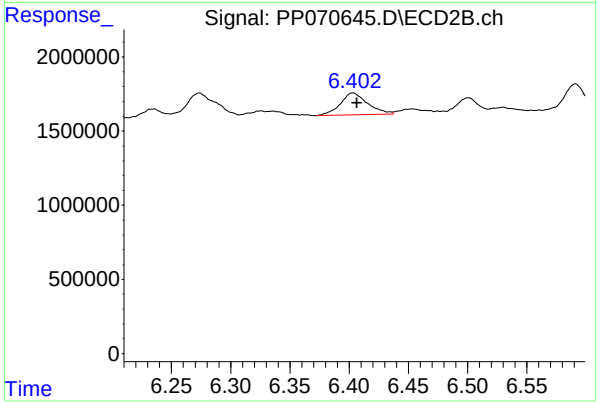
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.002 min
Response: 3458486
Conc: 90.81 ng/ml



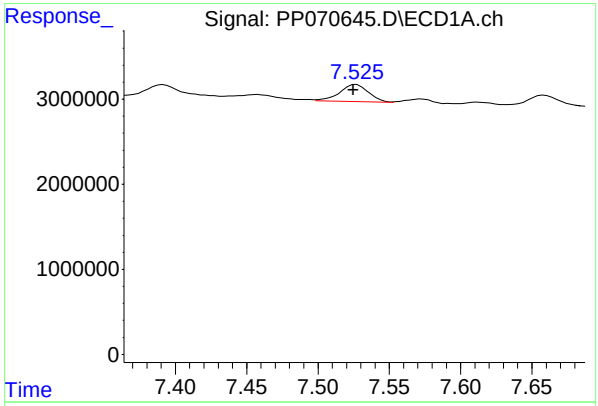
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: 0.003 min
Response: 2020387
Conc: 34.40 ng/ml



#31 AR-1260-1

R.T.: 6.403 min
Delta R.T.: -0.004 min
Response: 2372701
Conc: 47.66 ng/ml



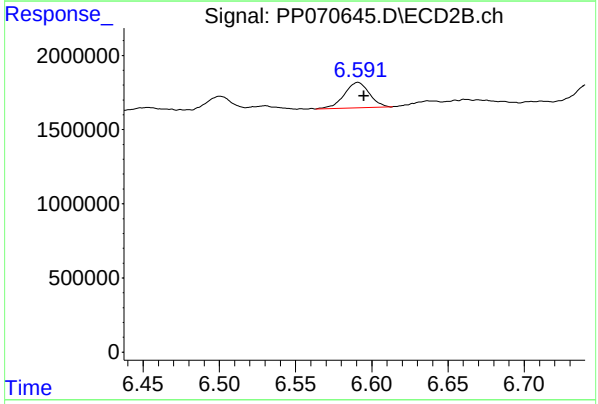
#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.002 mi
Response: 2820925
Conc: 34.38 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O35

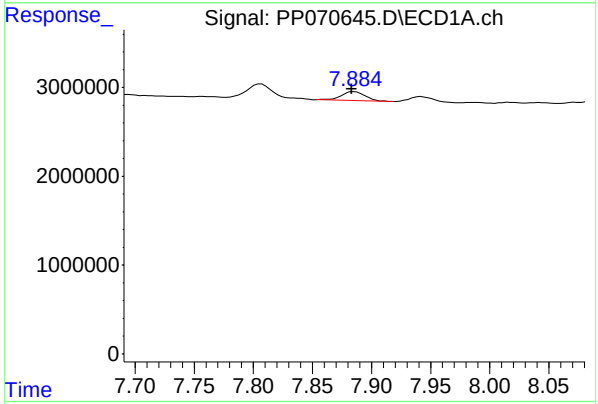
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



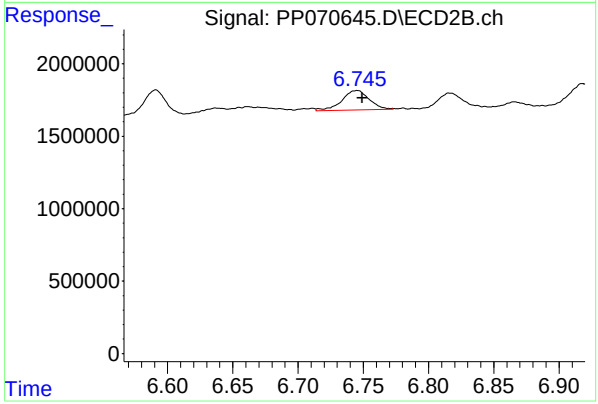
#32 AR-1260-2

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 1975914
Conc: 29.90 ng/ml



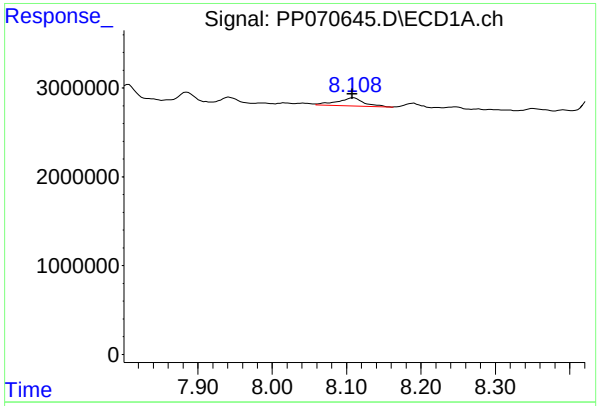
#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.002 min
Response: 1401949
Conc: 21.32 ng/ml



#33 AR-1260-3

R.T.: 6.745 min
Delta R.T.: -0.004 min
Response: 1981844
Conc: 34.65 ng/ml m



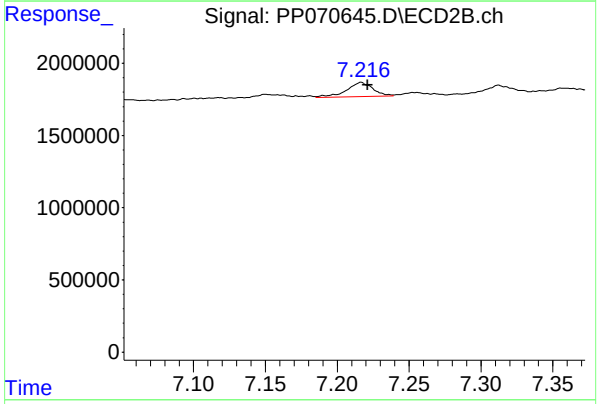
#34 AR-1260-4

R.T.: 8.109 min
Delta R.T.: 0.001 mi
Response: 2340760
Conc: 35.82 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O35

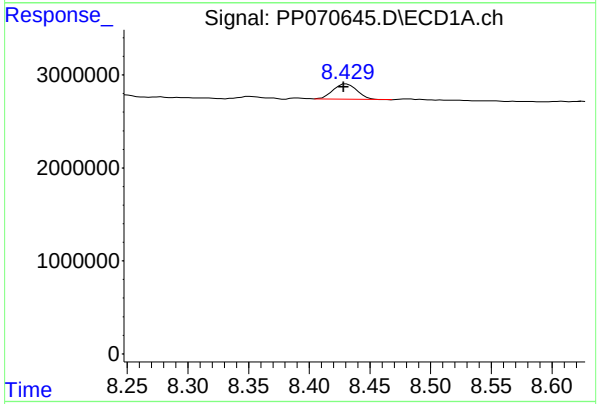
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



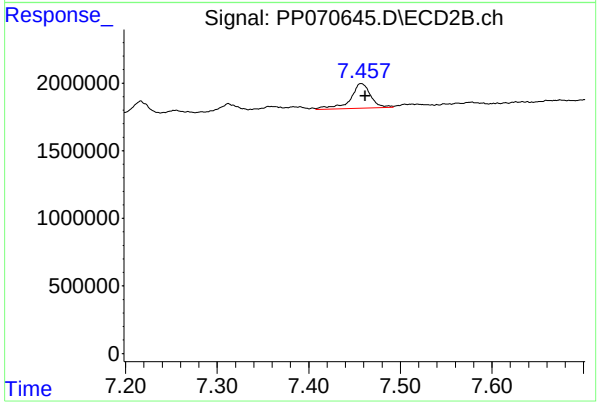
#34 AR-1260-4

R.T.: 7.217 min
Delta R.T.: -0.005 min
Response: 1265066
Conc: 24.73 ng/ml



#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.002 min
Response: 2251920
Conc: 16.48 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.004 min
Response: 2748822
Conc: 21.34 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC7	SDG No.:	Q1573
Lab Sample ID:	Q1573-12	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070629.D	1	03/17/25 09:35	03/18/25 01:55	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.51	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.51	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.51	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.51	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.51	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.51	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.51	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.51	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.51	U	0.083	0.51	ug/L
Total PCBs	Total PCBs	0.51	U	0.14	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		16 - 158	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.10		10 - 173	31%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:55
Operator : YP\AJ
Sample : Q1573-12
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	28550439	19197344	18.356	19.154
2)	SA Decachlor...	10.240	8.868	6211347	5972658	5.847	6.105
	Target Compounds						

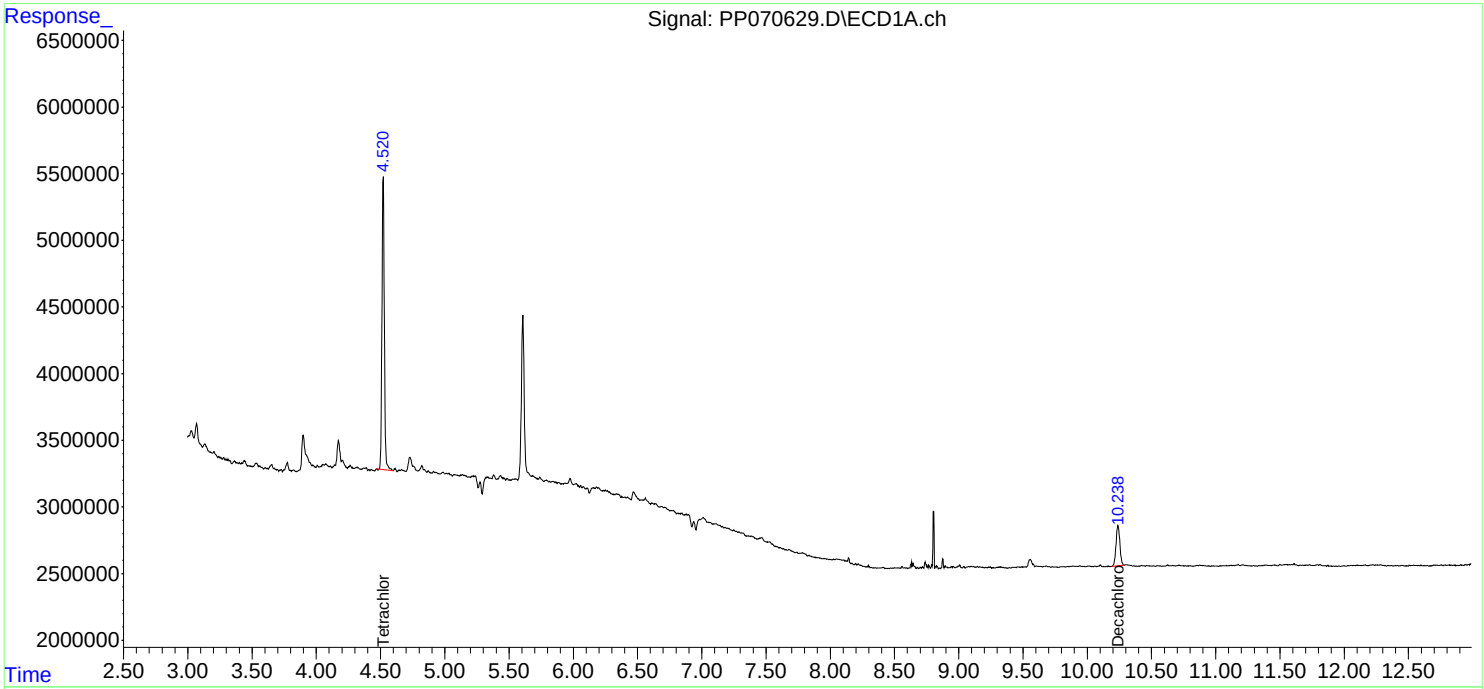
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

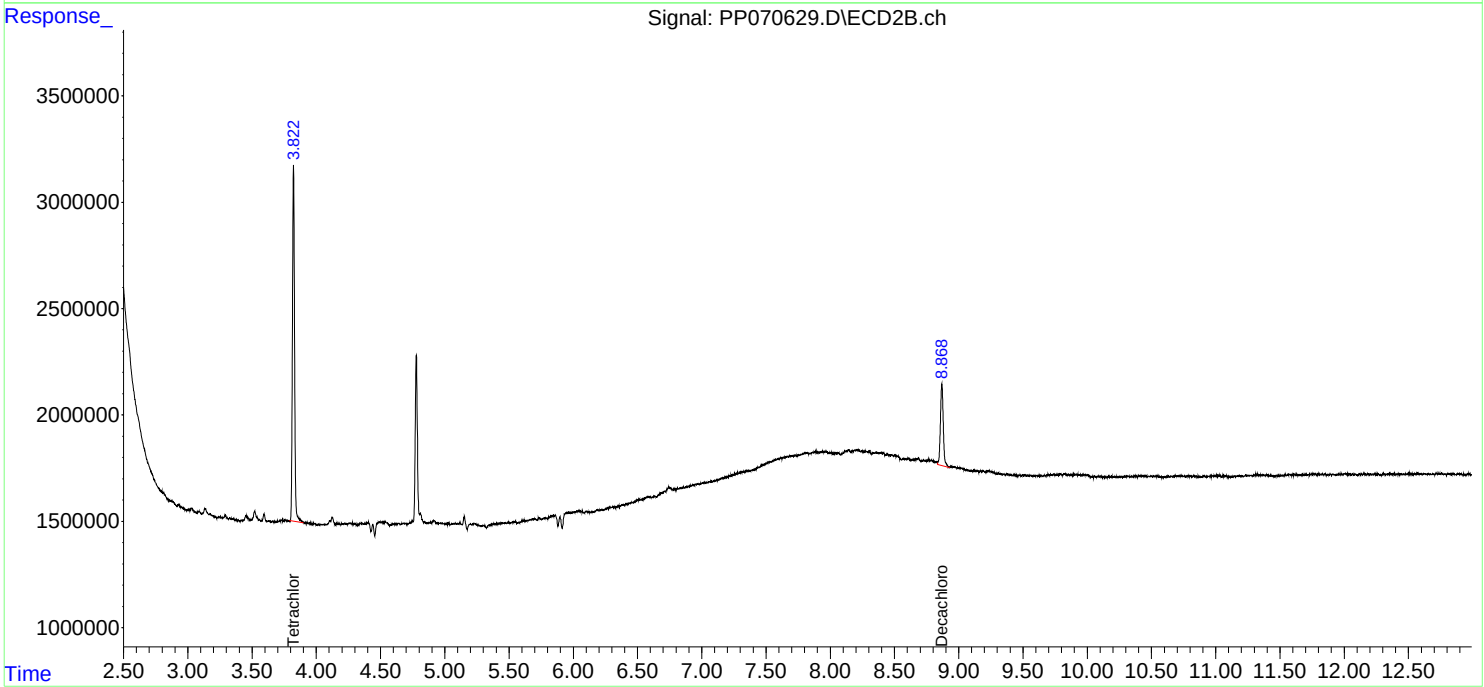
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:55
Operator : YP\AJ
Sample : Q1573-12
Misc :
ALS Vial : 42 Sample Multiplier: 1

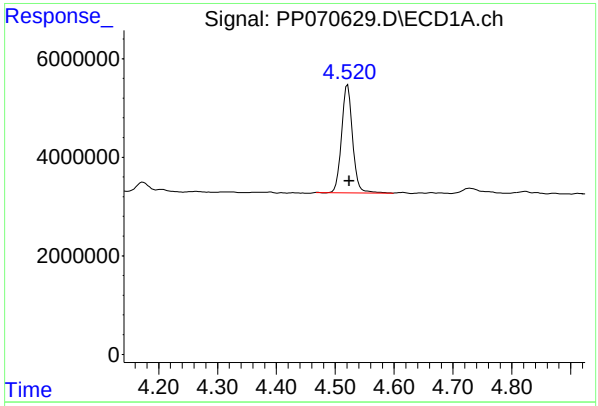
Instrument :
ECD_P
ClientSampleId :
C0AC7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



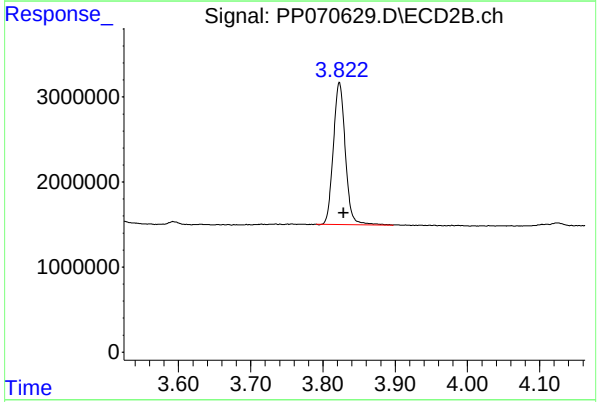




#1 Tetrachloro-m-xylene

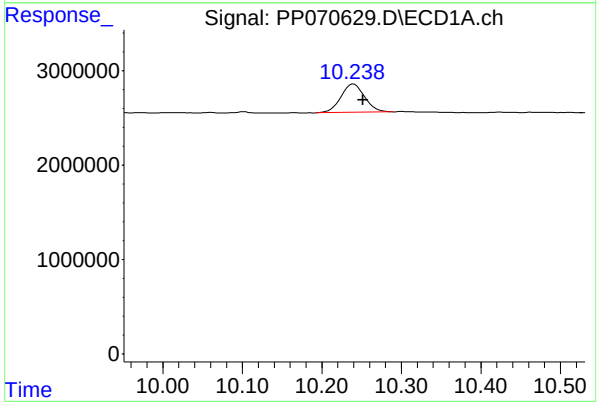
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 28550439
Conc: 18.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC7



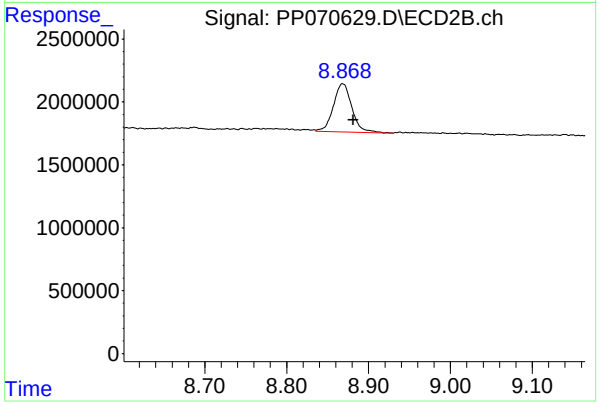
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 19197344
Conc: 19.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 6211347
Conc: 5.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 5972658
Conc: 6.10 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O37	SDG No.:	Q1573
Lab Sample ID:	Q1573-13	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070630.D	1	03/17/25 09:35	03/18/25 02:11	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.52	U	0.10	0.52	ug/L
11104-28-2	Aroclor-1221	0.52	U	0.13	0.52	ug/L
11141-16-5	Aroclor-1232	0.52	U	0.099	0.52	ug/L
53469-21-9	Aroclor-1242	0.52	U	0.12	0.52	ug/L
12672-29-6	Aroclor-1248	0.52	U	0.073	0.52	ug/L
11097-69-1	Aroclor-1254	0.52	U	0.097	0.52	ug/L
37324-23-5	Aroclor-1262	0.52	U	0.14	0.52	ug/L
11100-14-4	Aroclor-1268	0.52	U	0.11	0.52	ug/L
11096-82-5	Aroclor-1260	0.52	U	0.084	0.52	ug/L
Total PCBs	Total PCBs	0.52	U	0.14	0.52	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		16 - 158	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	4.10		10 - 173	21%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 02:11
Operator : YP\AJ
Sample : Q1573-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O37

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.518	3.824	22076497	15350248	14.194	15.315
2)	SA Decachlor...	10.239	8.870	4359155	3854341	4.103	3.940
	Target Compounds						

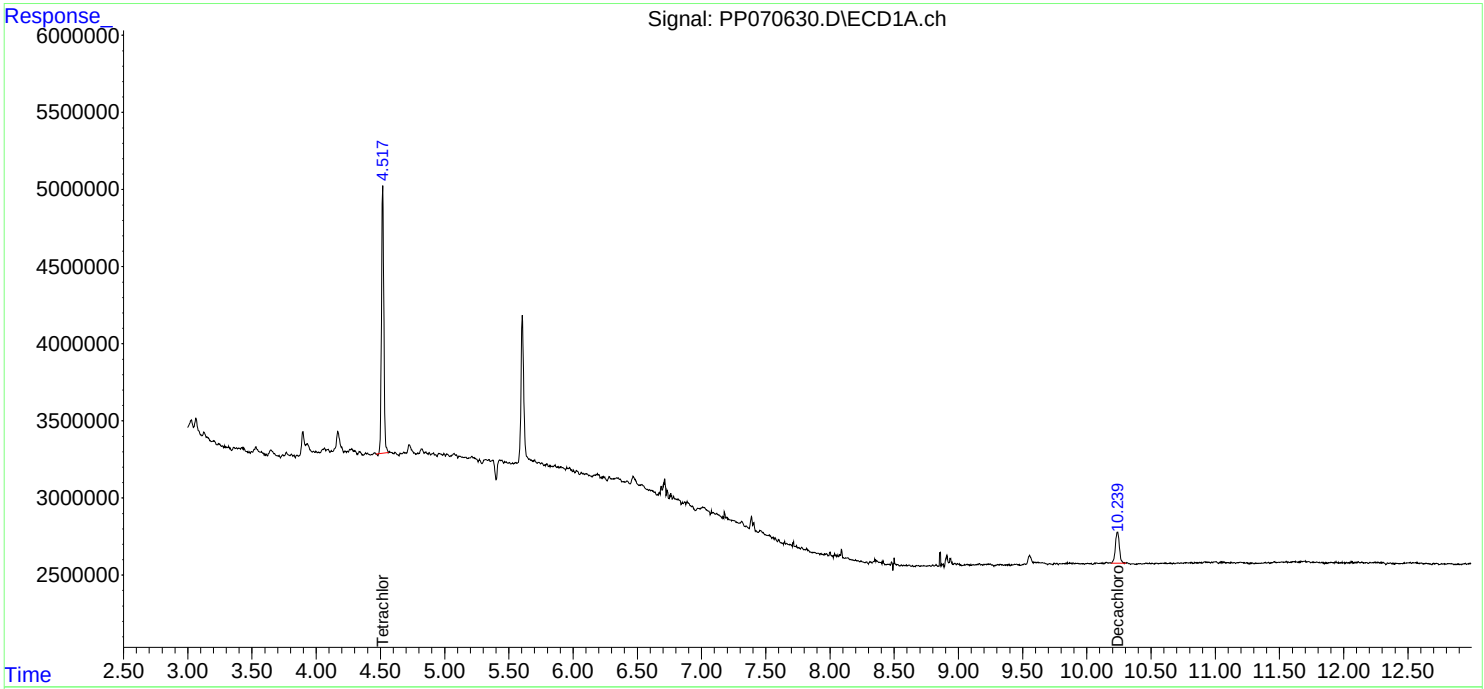
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

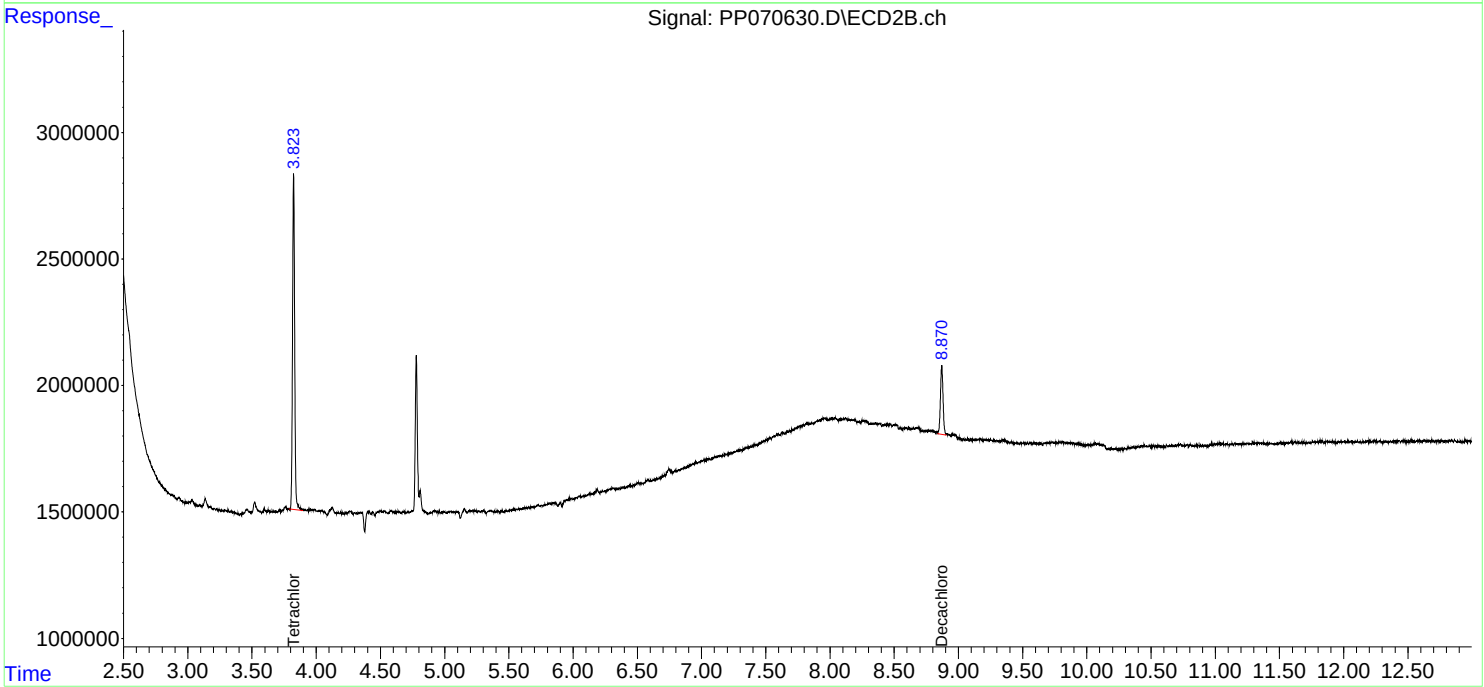
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 02:11
Operator : YP\AJ
Sample : Q1573-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

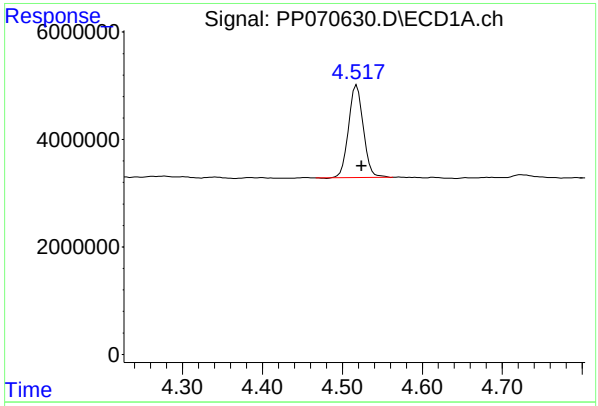
Instrument :
ECD_P
ClientSampleId :
C0O37

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



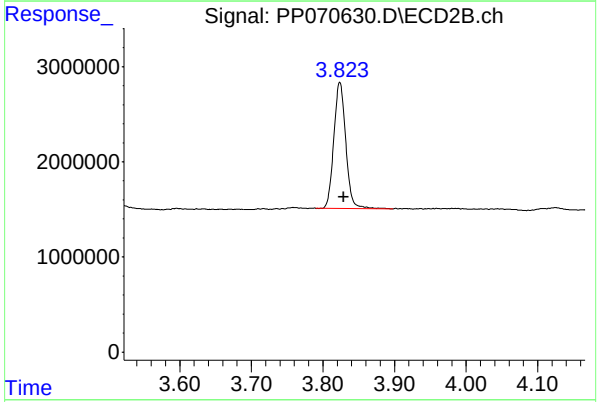




#1 Tetrachloro-m-xylene

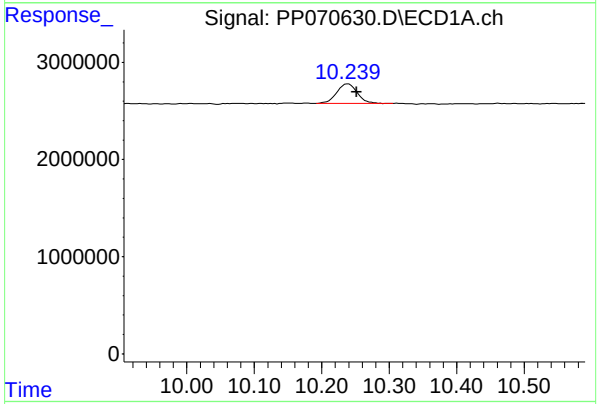
R.T.: 4.518 min
Delta R.T.: -0.006 min
Response: 22076497
Conc: 14.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O37



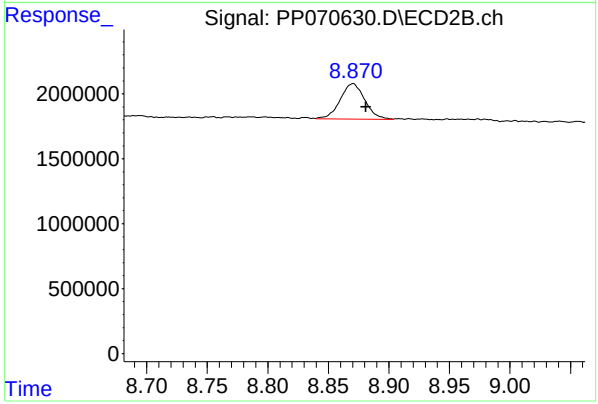
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 15350248
Conc: 15.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.012 min
Response: 4359155
Conc: 4.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 3854341
Conc: 3.94 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

LAB FILE ID: RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3	(3)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1016-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-5	(5)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1260-1	(1)	7.27	7.27	7.27	7.27	7.27	7.27	7.17	7.37
Aroclor-1260-2	(2)	7.53	7.52	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1260-3	(3)	7.89	7.88	7.88	7.89	7.89	7.88	7.78	7.98
Aroclor-1260-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.25	10.25	10.25	10.26	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.52	4.53	4.53	4.53	4.43	4.63
Aroclor-1232-1	(1)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1232-2	(2)	5.41	5.41	5.41	5.41	5.41	5.41	5.31	5.51
Aroclor-1232-3	(3)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1232-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1232-5	(5)	5.95	5.95	5.95	5.95	5.94	5.95	5.85	6.05
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1242-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-3	(3)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1242-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1242-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1248-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1248-2	(2)	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Aroclor-1248-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1248-4	(4)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1248-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Aroclor-1254-1	(1)	6.53	6.53	6.53	6.52	6.53	6.53	6.43	6.63
Aroclor-1254-2	(2)	6.74	6.74	6.75	6.74	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.11	7.11	7.11	7.10	7.11	7.11	7.01	7.21
Aroclor-1254-4	(4)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1254-5	(5)	7.81	7.81	7.81	7.80	7.81	7.81	7.71	7.91

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1268-1	(1)	8.75	8.74	8.74	8.74	8.75	8.74	8.64	8.84
Aroclor-1268-2	(2)	8.84	8.84	8.83	8.83	8.84	8.84	8.74	8.94
Aroclor-1268-3	(3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4	(4)	9.49	9.49	9.49	9.49	9.49	9.49	9.39	9.59
Aroclor-1268-5	(5)	9.91	9.91	9.90	9.91	9.91	9.91	9.81	10.01
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.52	4.52	4.53	4.53	4.43	4.63

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

LAB FILE ID: RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Aroclor-1016-4	(4)	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Aroclor-1016-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1260-1	(1)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-2	(2)	6.59	6.59	6.60	6.59	6.59	6.59	6.49	6.69
Aroclor-1260-3	(3)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Aroclor-1260-4	(4)	7.22	7.22	7.22	7.22	7.22	7.22	7.12	7.32
Aroclor-1260-5	(5)	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1232-1	(1)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1232-2	(2)	4.94	4.94	4.94	4.94	4.93	4.94	4.84	5.04
Aroclor-1232-3	(3)	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Aroclor-1232-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1232-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1242-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.93	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Aroclor-1242-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1242-5	(5)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1248-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1248-2	(2)	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Aroclor-1248-3	(3)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-4	(4)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1248-5	(5)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1254-1	(1)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1254-2	(2)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1254-3	(3)	6.28	6.28	6.27	6.27	6.28	6.28	6.18	6.38
Aroclor-1254-4	(4)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1254-5	(5)	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1268-1	(1)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-2	(2)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-3	(3)	8.02	8.02	8.02	8.01	8.01	8.02	7.92	8.12
Aroclor-1268-4	(4)	8.31	8.31	8.31	8.31	8.31	8.31	8.21	8.41
Aroclor-1268-5	(5)	8.61	8.61	8.61	8.61	8.61	8.61	8.51	8.71
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

LAB FILE ID: **CF 1000 =** PP070419.D **CF 750 =** PP070420.D

CF 500 = PP070421.D **CF 250 =** PP070422.D **CF 050 =** PP070423.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	46284919	48624555	51195480	56320148	56830900	51851200	9
Aroclor-1016-2	(2)	68727144	72260815	75092688	79473188	62170340	71544835	9
Aroclor-1016-3	(3)	41881157	43836071	46346194	49629608	45996640	45537934	6
Aroclor-1016-4	(4)	34693414	37117197	39579046	42287028	41512180	39037773	8
Aroclor-1016-5	(5)	32535779	33720589	35503344	36571056	34779300	34622014	5
Aroclor-1260-1	(1)	55067637	58265401	60660348	63250936	56446720	58738208	6
Aroclor-1260-2	(2)	75483004	79277409	82983970	87347188	85123440	82043002	6
Aroclor-1260-3	(3)	62678610	64989695	68010270	70682128	62427680	65757677	5
Aroclor-1260-4	(4)	60990738	64683661	66152948	69503548	65382940	65342767	5
Aroclor-1260-5	(5)	130557968	135103443	140419232	146528904	130778620	136677633	5
Decachlorobiphenyl		1005446690	1044219213	1084386360	1134008440	1043654800	1062343101	5
Tetrachloro-m-xylene		1462968010	1529300040	1575427920	1661278640	1547936200	1555382162	5
Aroclor-1232-1	(1)	31812517	33409335	34815870	38072588	39676960	35557454	9
Aroclor-1232-2	(2)	16331114	17367928	17709532	17293972	15638140	16868137	5
Aroclor-1232-3	(3)	33685372	35206453	37651060	39178940	37126640	36569693	6
Aroclor-1232-4	(4)	17112653	18207945	18881288	20579940	20189680	18994301	8
Aroclor-1232-5	(5)	12358074	13019340	13596998	11696560	14140280	12962250	7
Decachlorobiphenyl		1007346640	1061633867	1110112680	1150608440	1055455400	1077031405	5
Tetrachloro-m-xylene		1503870440	1587673493	1628432540	1684437880	1564380200	1593758911	4
Aroclor-1242-1	(1)	39253435	41704367	43482132	47856472	49946320	44448545	10
Aroclor-1242-2	(2)	58252556	60113944	62228844	66050560	60258320	61380845	5
Aroclor-1242-3	(3)	35362447	36380501	38652894	41645404	33464760	37101201	9
Aroclor-1242-4	(4)	29479509	30833784	32552722	35082164	32717220	32133080	7
Aroclor-1242-5	(5)	29991669	31404576	32011208	32699504	29130640	31047519	5
Decachlorobiphenyl		1017143570	1063398627	1098678020	1146617040	1019213600	1069010171	5
Tetrachloro-m-xylene		1483500490	1538532373	1587702840	1655080400	1578490200	1568661261	4
Aroclor-1248-1	(1)	30241509	31836707	34371560	37879708	36450300	34155957	9
Aroclor-1248-2	(2)	39839483	41732589	44072986	47187728	39403540	42447265	8
Aroclor-1248-3	(3)	43671743	45535401	47272778	48829472	45433820	46148643	4
Aroclor-1248-4	(4)	52673121	54800967	57547552	61348180	63586480	57991260	8
Aroclor-1248-5	(5)	49495855	52225937	54279376	57435820	54999800	53687358	6
Decachlorobiphenyl		1018745530	1065079280	1110066380	1164168240	1044426200	1080497126	5
Tetrachloro-m-xylene		1464367110	1509550200	1593080400	1654989520	1637278400	1571853126	5
Aroclor-1254-1	(1)	52191144	54776691	58408862	62528540	58393680	57259783	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	76163232	79292283	83746208	89006644	77052340	81052141	7
Aroclor-1254-3	(3)	78867294	81324341	86343146	90140028	84184220	84171806	5
Aroclor-1254-4	(4)	65665428	68036704	71633390	75767876	69582520	70137184	5
Aroclor-1254-5	(5)	65604720	67856063	71049052	74607116	70169360	69857262	5
Decachlorobiphenyl		1051774640	1084735960	1131757040	1190025520	1071423800	1105943392	5
Tetrachloro-m-xylene		1491401080	1547951320	1596952960	1679816880	1638007800	1590826008	5
Aroclor-1268-1	(1)	188529701	191493623	201496426	211079324	198399040	198199623	4
Aroclor-1268-2	(2)	162712211	165423828	173208520	180425992	166812140	169716538	4
Aroclor-1268-3	(3)	139964894	142620983	149835492	155687892	143563980	146334648	4
Aroclor-1268-4	(4)	62601215	63262983	66177076	67604984	59759620	63881176	5
Aroclor-1268-5	(5)	401160937	407647449	423231624	443337256	421401480	419355749	4
Decachlorobiphenyl		1797305300	1841882720	1928545440	2018232880	1865263000	1890245868	5
Tetrachloro-m-xylene		1559644910	1556664040	1644040220	1708675120	1710882200	1635981298	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

LAB FILE ID: **CF 1000 =** PP070419.D **CF 750 =** PP070420.D

CF 500 = PP070421.D **CF 250 =** PP070422.D **CF 050 =** PP070423.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31619052	35012463	36116294	39457560	37557300	35952534	8
Aroclor-1016-2	(2)	44662617	48866077	51001758	55603496	59699380	51966666	11
Aroclor-1016-3	(3)	24906943	27191785	28703256	30683884	30781120	28453398	9
Aroclor-1016-4	(4)	19770953	21670935	22902960	24389748	23214920	22389903	8
Aroclor-1016-5	(5)	25646269	27397575	29268330	32409960	33872260	29718879	11
Aroclor-1260-1	(1)	45267436	47641613	50061678	53643092	52308080	49784380	7
Aroclor-1260-2	(2)	60652513	64073769	66616364	70066968	69027800	66087483	6
Aroclor-1260-3	(3)	52248928	55432315	57823148	61011000	59471320	57197342	6
Aroclor-1260-4	(4)	47067710	49841909	53961982	55559372	49386640	51163523	7
Aroclor-1260-5	(5)	123950775	130046140	135804906	136761852	117362580	128785251	6
Decachlorobiphenyl		935400030	944501173	996009380	1027099200	988797000	978361357	4
Tetrachloro-m-xylene		901898260	976425347	1019517980	1052535320	1061027800	1002280941	7
Aroclor-1232-1	(1)	23977464	25043855	25876362	28218616	28432280	26309715	7
Aroclor-1232-2	(2)	23409194	24148587	25178540	27689696	28634420	25812087	9
Aroclor-1232-3	(3)	12864968	13117912	13753150	14320588	15988100	14008944	9
Aroclor-1232-4	(4)	10909254	11094221	11677434	12331552	12548800	11712252	6
Aroclor-1232-5	(5)	12122932	12663212	13051746	13538632	13963480	13068000	6
Decachlorobiphenyl		923591970	934486067	965069440	1131453800	1083832600	1007686775	9
Tetrachloro-m-xylene		981294310	1023698747	1027014040	1102661240	1188146200	1064562907	8
Aroclor-1242-1	(1)	28374294	28991207	30174104	32528448	32989020	30611415	7
Aroclor-1242-2	(2)	40120133	40663773	41940388	45612680	49650880	43597571	9
Aroclor-1242-3	(3)	22172127	22503904	23797688	25561184	25126720	23832325	6
Aroclor-1242-4	(4)	20777408	21261321	22368954	23941300	21863540	22042505	6
Aroclor-1242-5	(5)	26011255	26949576	28142034	29660872	28841860	27921119	5
Decachlorobiphenyl		890780220	996610280	1018649180	1070124720	1151487200	1025530320	9
Tetrachloro-m-xylene		949681240	969479187	1000171980	1041407720	1043402000	1000828425	4
Aroclor-1248-1	(1)	21916865	22139940	24138102	25281632	23901120	23475532	6
Aroclor-1248-2	(2)	28154371	29147072	31604814	33306732	34304240	31303446	8
Aroclor-1248-3	(3)	29522180	30421332	32954472	34362676	31347200	31721572	6
Aroclor-1248-4	(4)	34974296	35760019	38441344	40862964	44827240	38973173	10
Aroclor-1248-5	(5)	34216861	35543065	38522800	40509348	41641320	38086679	8
Decachlorobiphenyl		933290630	982033680	1000188180	1068098600	1015594400	999841098	5
Tetrachloro-m-xylene		948607640	978544213	1031768560	1070844800	1068084800	1019570003	5
Aroclor-1254-1	(1)	49741488	53083060	56518628	60344088	61926700	56322793	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	43195538	45981229	48525194	52438220	54392240	48906484	9
Aroclor-1254-3	(3)	69004581	72181184	75732026	81417896	78754240	75417985	7
Aroclor-1254-4	(4)	48529875	50966111	53417608	57048936	53797000	52751906	6
Aroclor-1254-5	(5)	63254548	65263447	68912458	73214624	74627960	69054607	7
Decachlorobiphenyl		966187920	982212947	1086993960	1153126680	1151501200	1068004541	8
Tetrachloro-m-xylene		967205180	984098413	1019987640	1086171680	989309800	1009354543	5
Aroclor-1268-1	(1)	168373725	166057156	179047242	187011272	174871700	175072219	5
Aroclor-1268-2	(2)	142006892	140092196	149842434	153490708	144862740	146058994	4
Aroclor-1268-3	(3)	125351560	120465205	129564250	133099628	133160800	128328289	4
Aroclor-1268-4	(4)	54287293	53233979	56809814	58479952	52090820	54980372	5
Aroclor-1268-5	(5)	364151928	362236821	378313444	380892964	354578080	368034647	3
Decachlorobiphenyl		1632116030	1658280453	1742317540	1836812000	1806314000	1735168005	5
Tetrachloro-m-xylene		1019432100	1034489600	1102868440	1184868600	1114308600	1091193468	6

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Date(s) Analyzed:** 03/11/2025 03/11/2025

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	4.73	4.63	4.83	19940100
		2	4.81	4.71	4.91	14608700
		3	4.89	4.79	4.99	44364600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.11	8.01	8.21	81718600
		2	8.43	8.33	8.53	164714000
		3	8.75	8.65	8.85	112164000
		4	8.83	8.73	8.93	83803800
		5	9.49	9.39	9.59	58896200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Date(s) Analyzed:** 03/11/2025 03/11/2025

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	4.04	3.94	4.14	14882500
		2	4.13	4.03	4.23	11429100
		3	4.20	4.10	4.30	33421800
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.96	6.86	7.06	83664000
		2	7.22	7.12	7.32	68729800
		3	7.74	7.64	7.84	65986200
		4	7.81	7.71	7.91	104435000
		5	8.31	8.21	8.41	51550000

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:13
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 11 15:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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...	4.526	3.829	146.3E6	90189826	96.299	93.878
2)	SA Decachlor...	10.254	8.881	100.5E6	93540003	96.223	96.862
	Target Compounds						
3)	L1 AR-1016-1	5.679	4.917	46284919	31619052	949.625	933.606
4)	L1 AR-1016-2	5.700	4.935	68727144	44662617	955.739	933.736
5)	L1 AR-1016-3	5.763	5.112	41881157	24906943	949.392	929.187
6)	L1 AR-1016-4	5.860	5.154	34693414	19770953	934.220	926.606
7)	L1 AR-1016-5	6.153	5.369	32535779	25646269	956.384	934.042
31)	L7 AR-1260-1	7.273	6.406	55067637	45267436	951.674	949.709
32)	L7 AR-1260-2	7.526	6.594	75483004	60652513	952.665	953.140
33)	L7 AR-1260-3	7.886	6.748	62678610	52248928	959.203	949.358
34)	L7 AR-1260-4	8.110	7.221	60990738	47067710	959.399	931.760
35)	L7 AR-1260-5	8.431	7.462	130.6E6	124.0E6	963.609	954.364

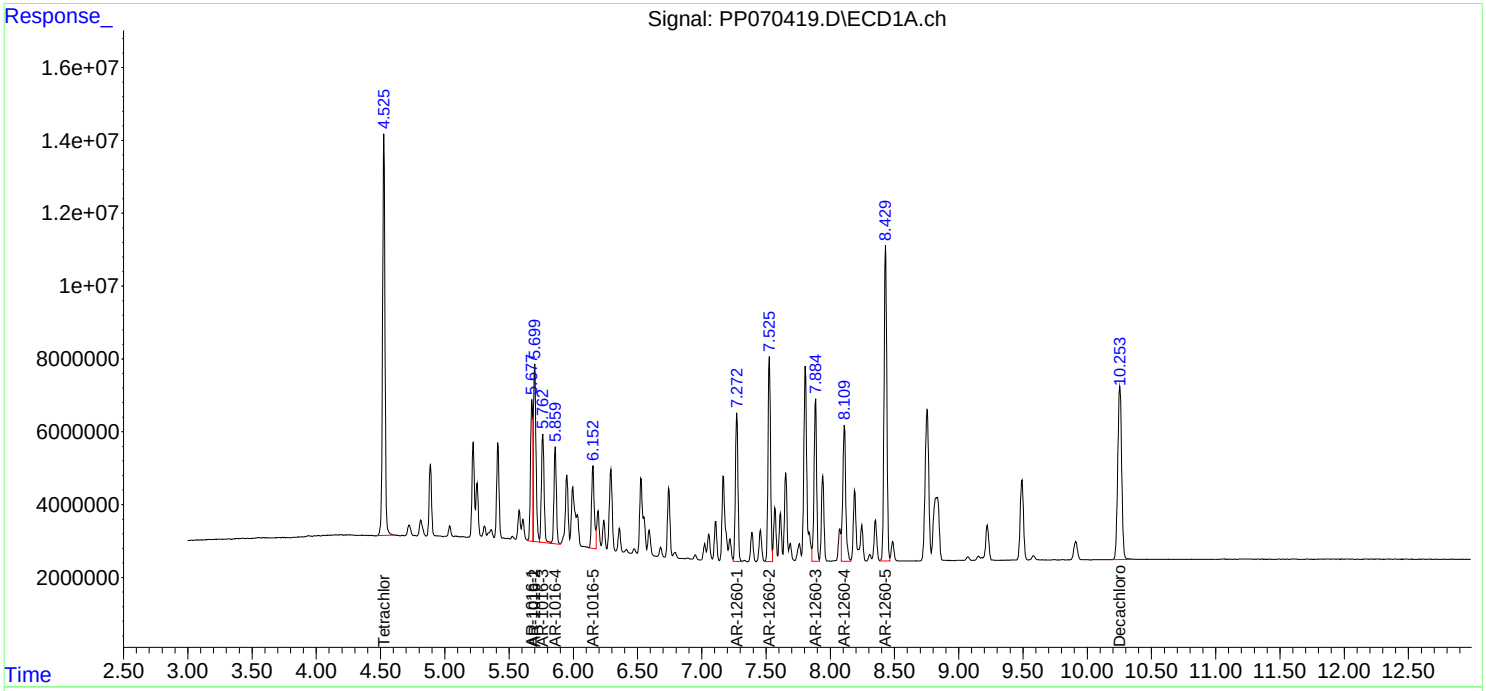
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

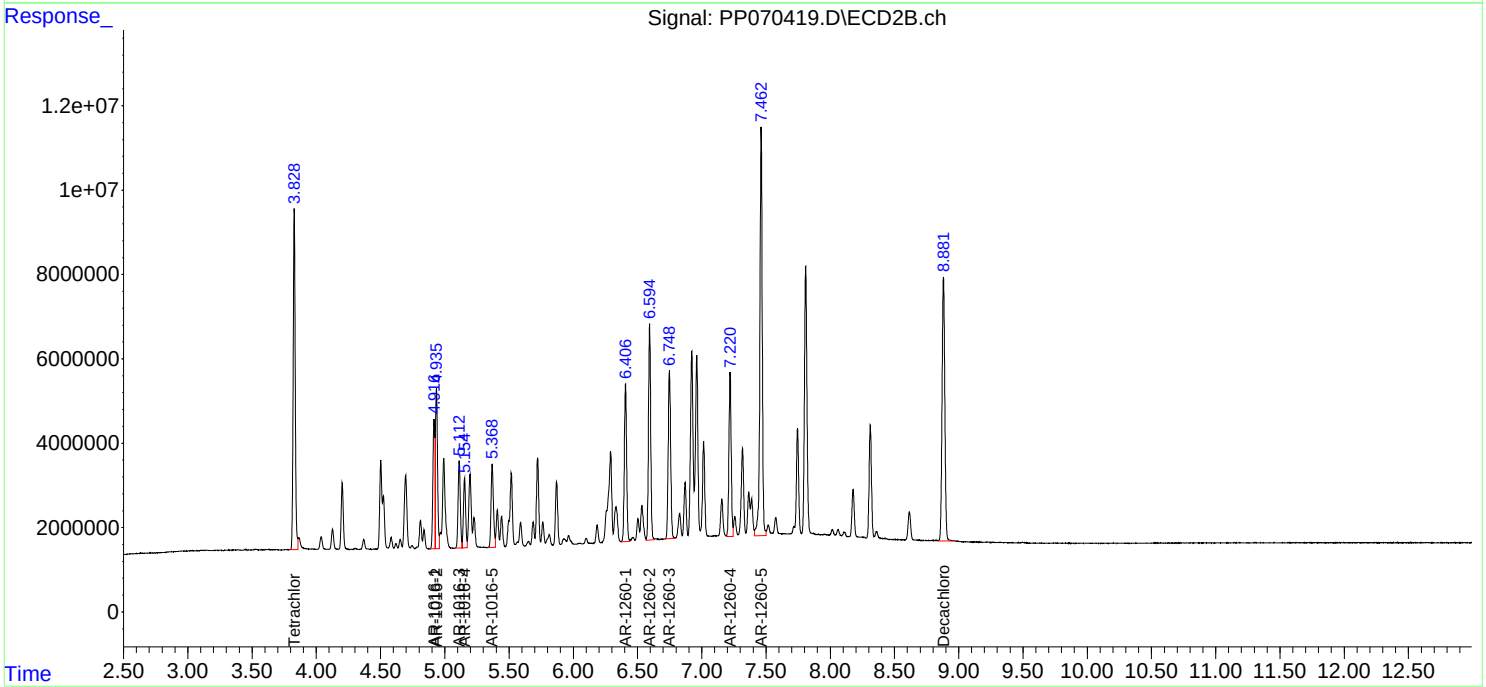
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:13
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

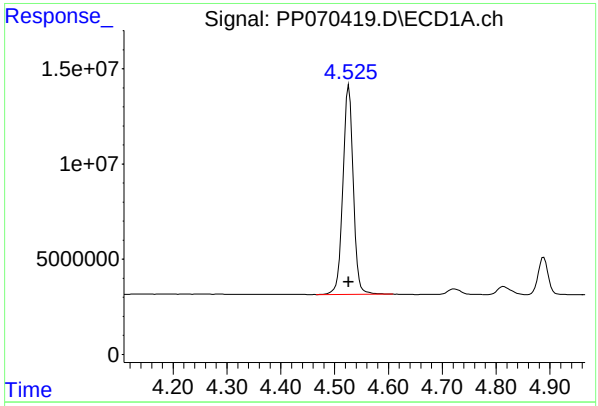
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 15:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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



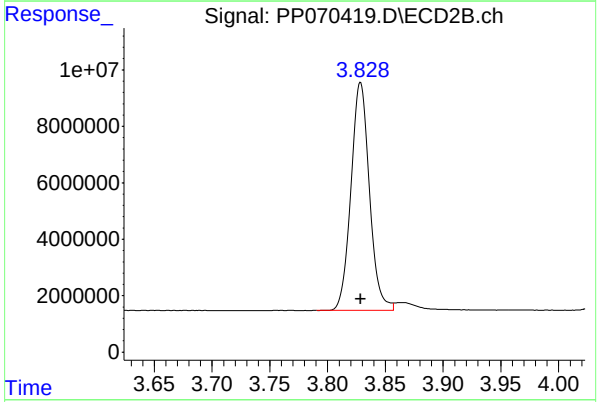




#1 Tetrachloro-m-xylene

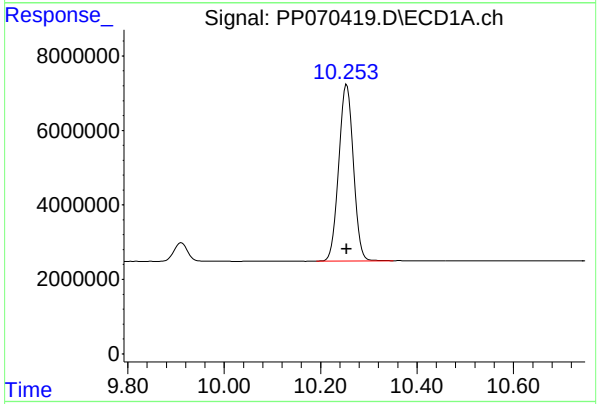
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 146296801
Conc: 96.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



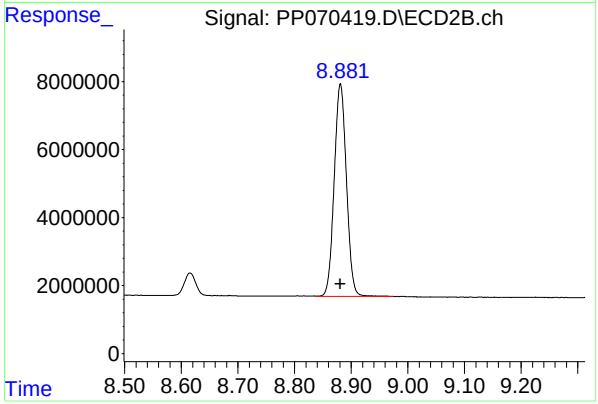
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 90189826
Conc: 93.88 ng/ml



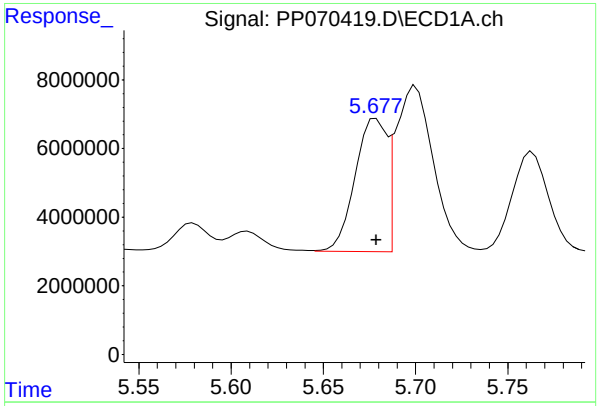
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.000 min
Response: 100544669
Conc: 96.22 ng/ml



#2 Decachlorobiphenyl

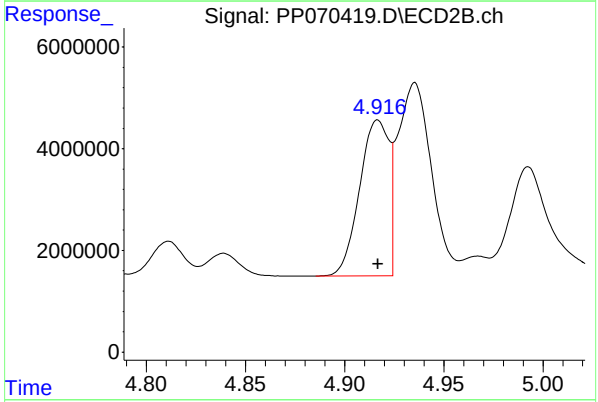
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 93540003
Conc: 96.86 ng/ml



#3 AR-1016-1

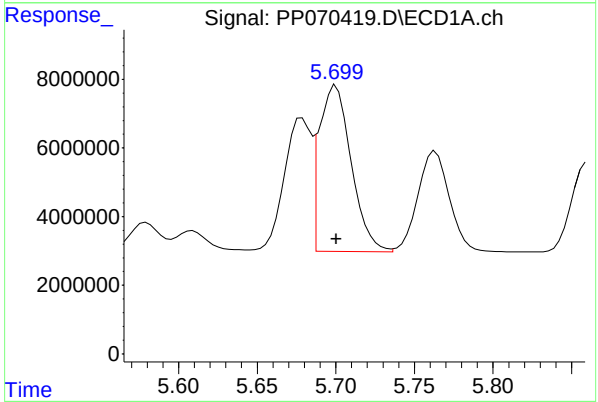
R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 46284919
Conc: 949.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



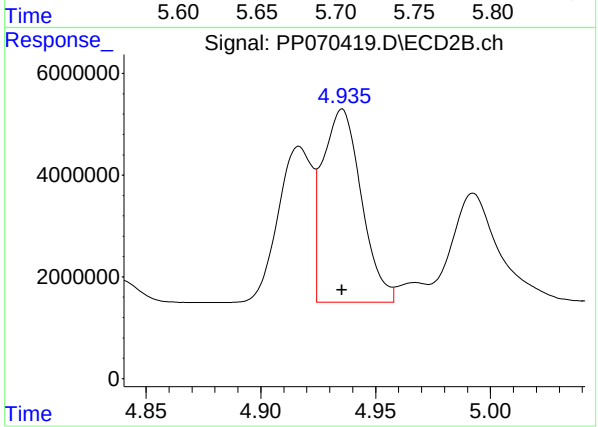
#3 AR-1016-1

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 31619052
Conc: 933.61 ng/ml



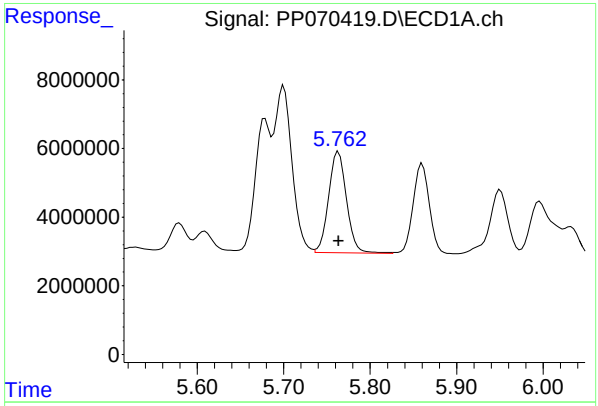
#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 68727144
Conc: 955.74 ng/ml



#4 AR-1016-2

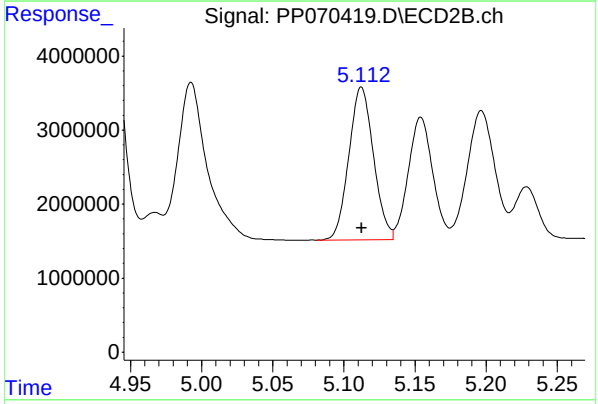
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 44662617
Conc: 933.74 ng/ml



#5 AR-1016-3

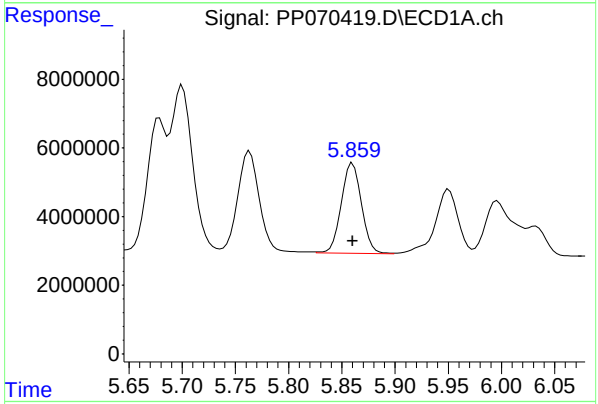
R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 41881157
Conc: 949.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



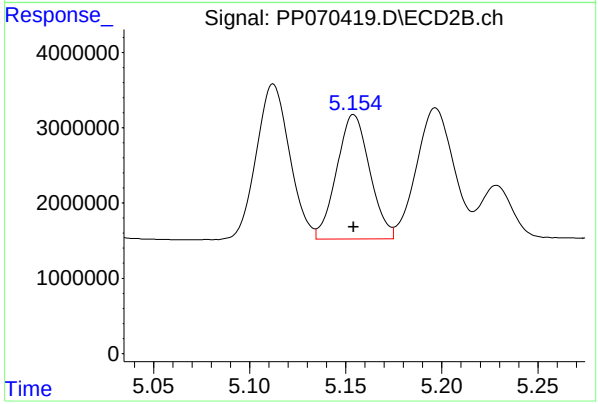
#5 AR-1016-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 24906943
Conc: 929.19 ng/ml



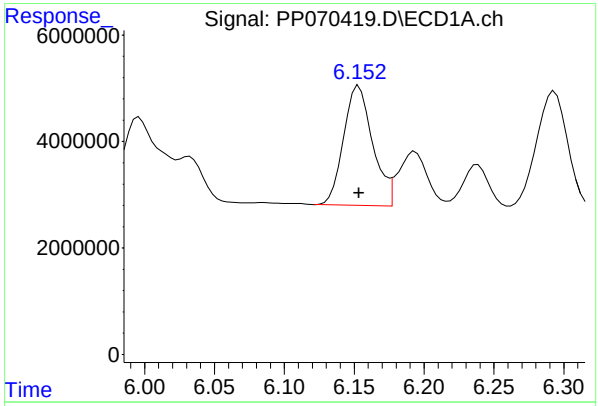
#6 AR-1016-4

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 34693414
Conc: 934.22 ng/ml



#6 AR-1016-4

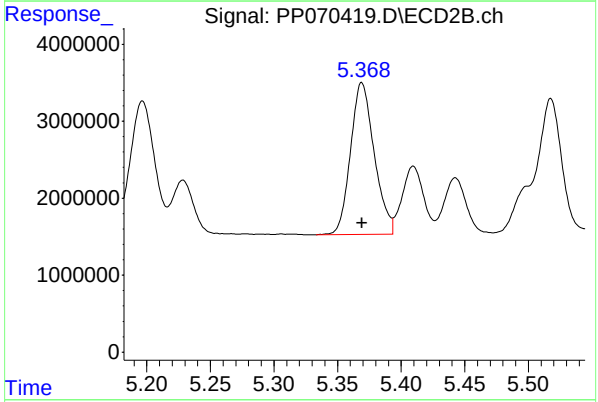
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 19770953
Conc: 926.61 ng/ml



#7 AR-1016-5

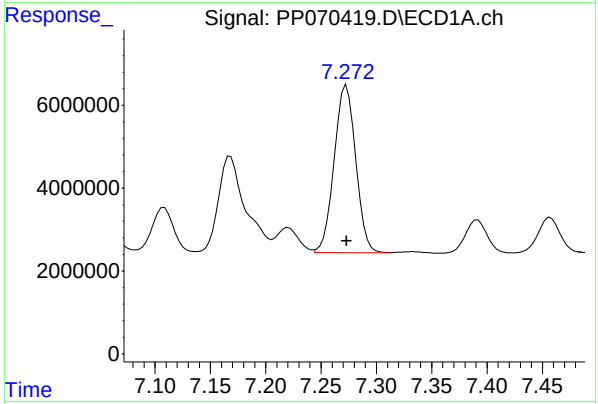
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 32535779
Conc: 956.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



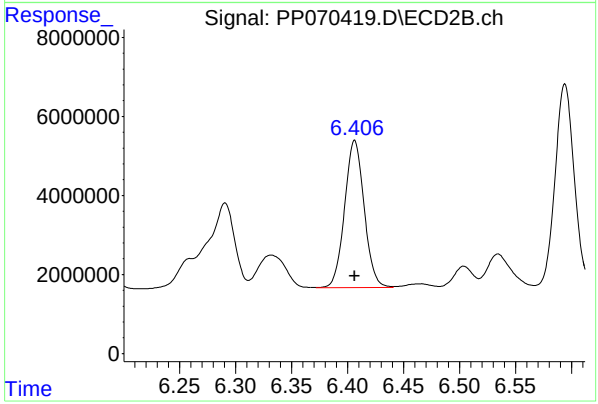
#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 25646269
Conc: 934.04 ng/ml



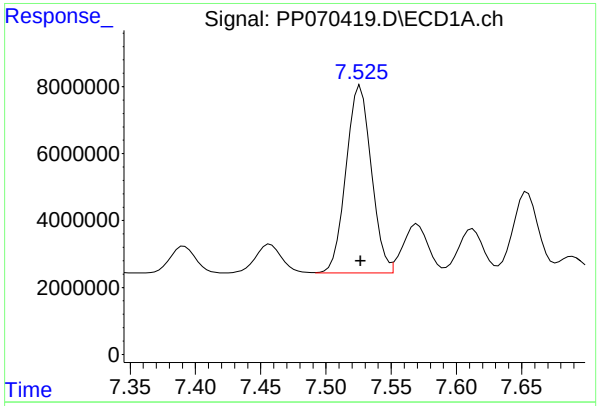
#31 AR-1260-1

R.T.: 7.273 min
Delta R.T.: 0.000 min
Response: 55067637
Conc: 951.67 ng/ml



#31 AR-1260-1

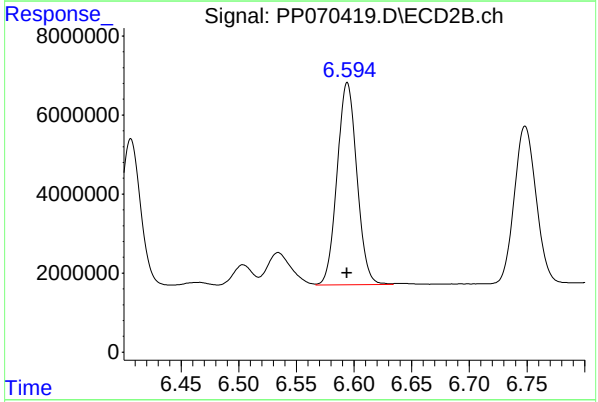
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 45267436
Conc: 949.71 ng/ml



#32 AR-1260-2

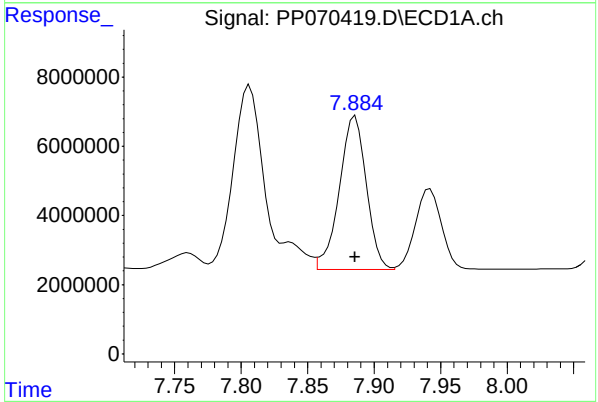
R.T.: 7.526 min
Delta R.T.: 0.000 min
Response: 75483004
Conc: 952.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



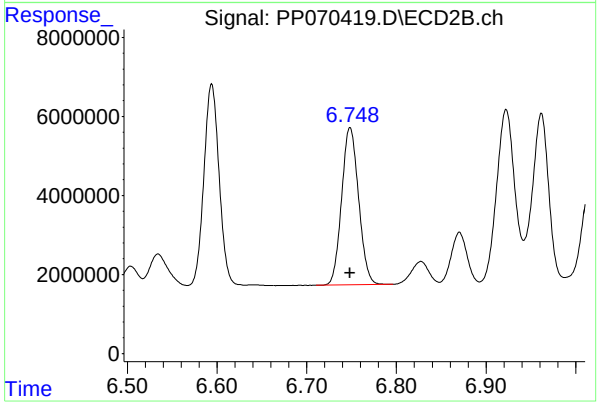
#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 60652513
Conc: 953.14 ng/ml



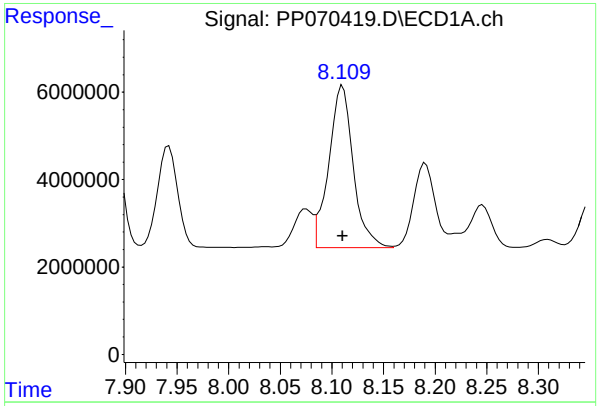
#33 AR-1260-3

R.T.: 7.886 min
Delta R.T.: 0.000 min
Response: 62678610
Conc: 959.20 ng/ml



#33 AR-1260-3

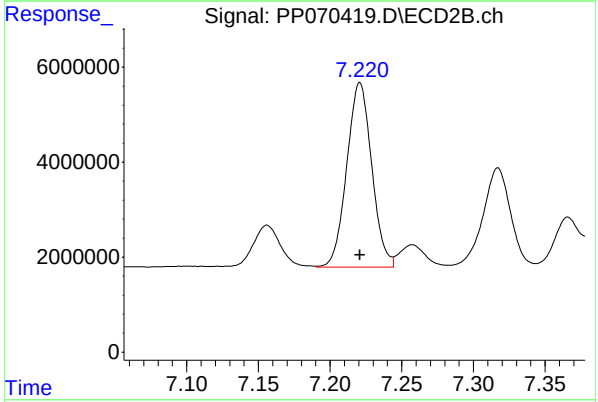
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 52248928
Conc: 949.36 ng/ml



#34 AR-1260-4

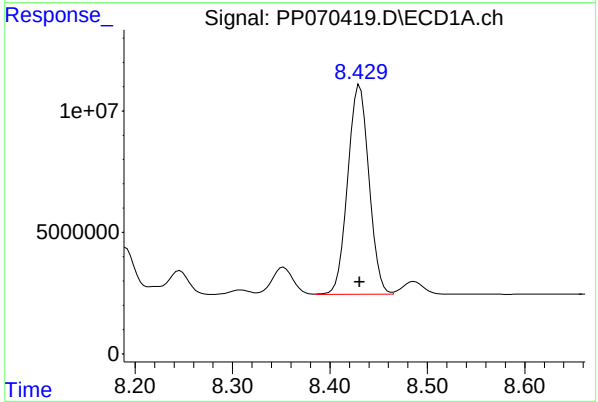
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 60990738
Conc: 959.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



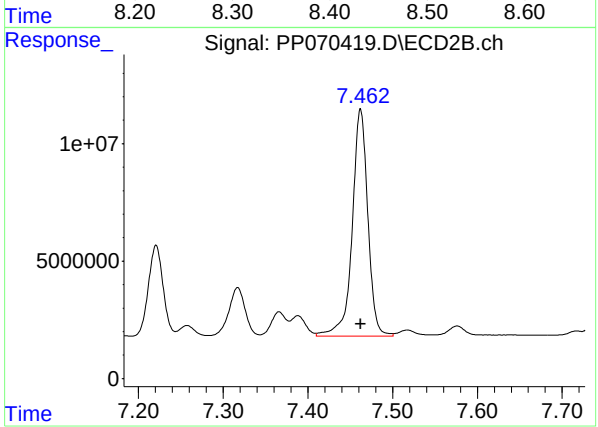
#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 47067710
Conc: 931.76 ng/ml



#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.000 min
Response: 130557968
Conc: 963.61 ng/ml



#35 AR-1260-5

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 123950775
Conc: 954.36 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:29
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 11 16:02:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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...	4.524	3.829	114.7E6	73231901	75.332	75.814
2)	SA Decachlor...	10.251	8.881	78316441	70837588	74.967	73.894
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.916	36468416	26259347	748.813	766.713
4)	L1 AR-1016-2	5.699	4.935	54195611	36649558	752.436	760.730
5)	L1 AR-1016-3	5.761	5.112	32877053	20393839	746.847	757.178
6)	L1 AR-1016-4	5.858	5.154	27837898	16253201	749.744	757.786
7)	L1 AR-1016-5	6.151	5.369	25290442	20548181	745.593	748.912
31)	L7 AR-1260-1	7.270	6.405	43699051	35731210	753.461	749.759
32)	L7 AR-1260-2	7.524	6.594	59458057	48055327	750.277	753.444
33)	L7 AR-1260-3	7.882	6.748	48742271	41574236	747.281	753.592
34)	L7 AR-1260-4	8.108	7.221	48512746	37381432	758.694	743.310
35)	L7 AR-1260-5	8.428	7.461	101.3E6	97534605	748.577	750.648

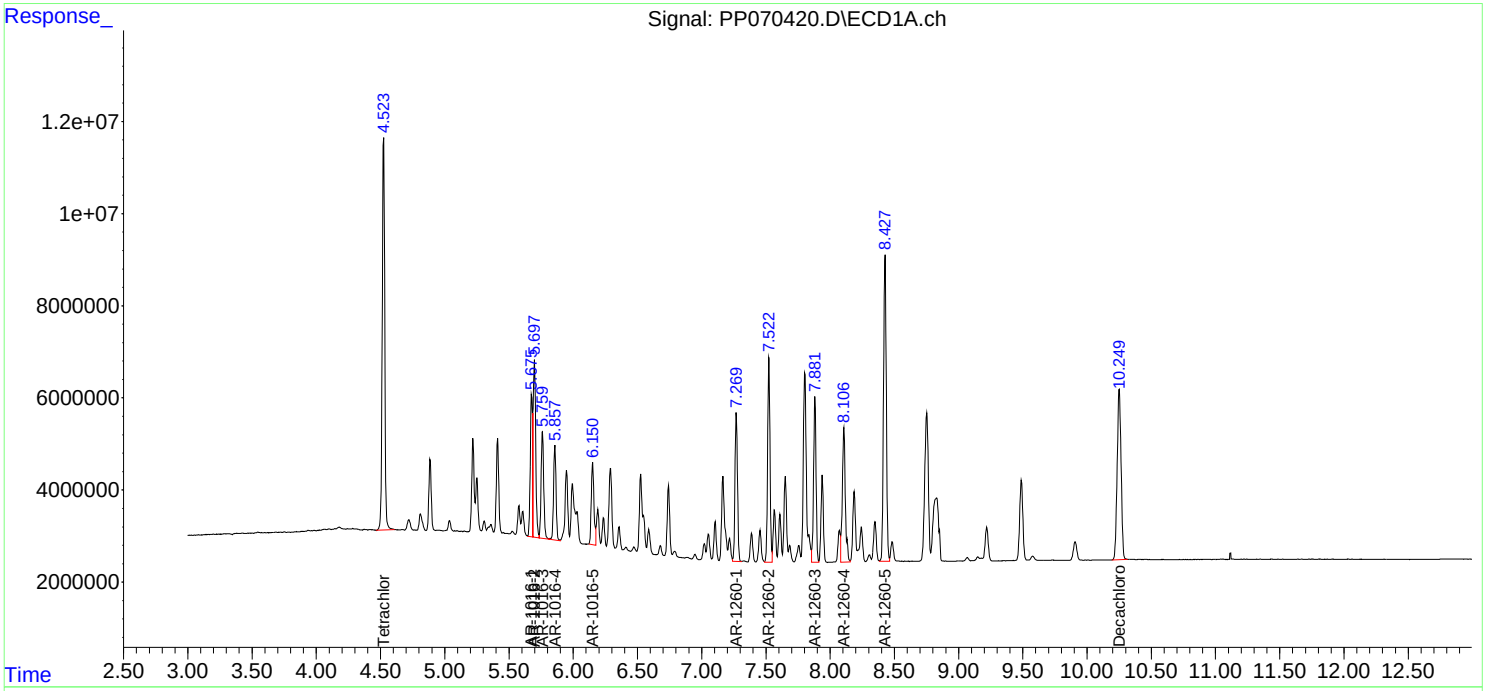
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

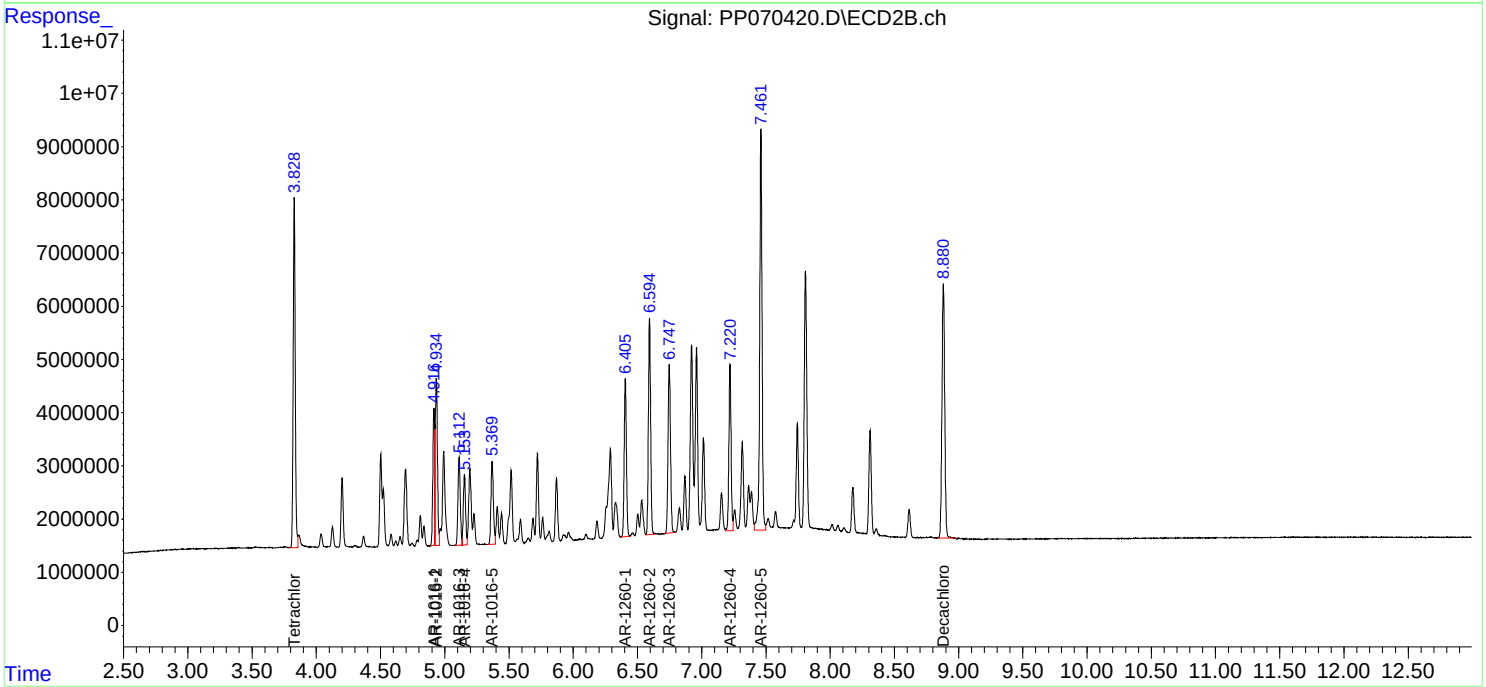
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:29
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

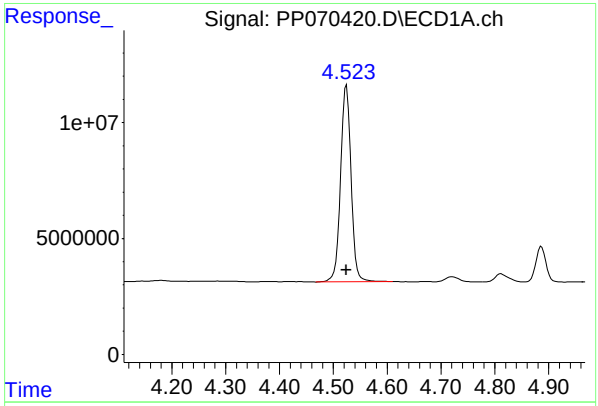
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:02:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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



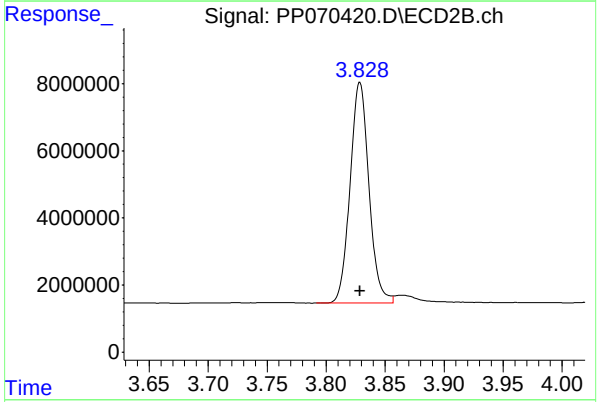




#1 Tetrachloro-m-xylene

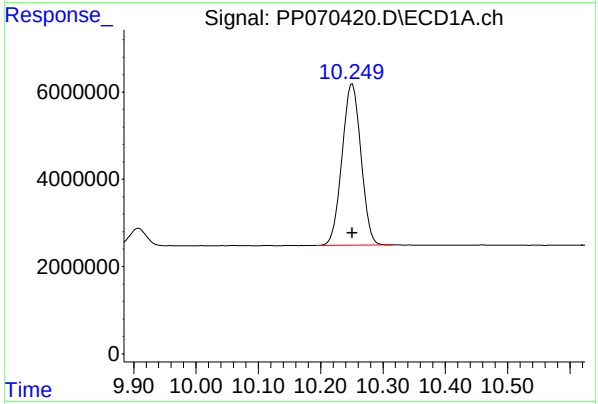
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 114697503
Conc: 75.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



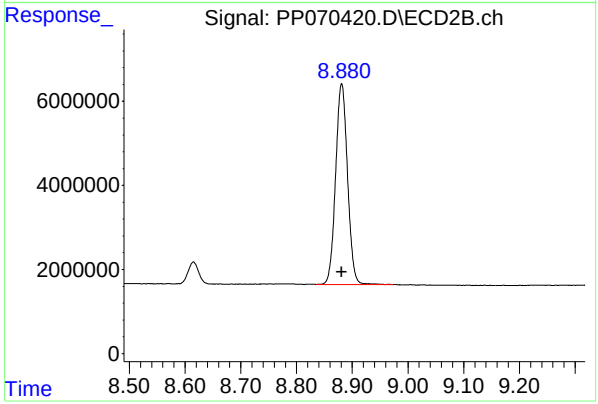
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 73231901
Conc: 75.81 ng/ml



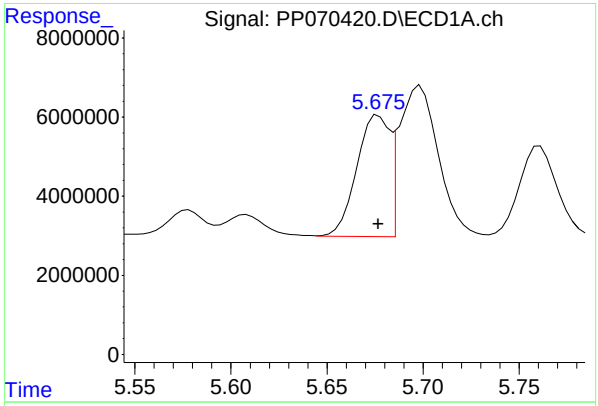
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 78316441
Conc: 74.97 ng/ml



#2 Decachlorobiphenyl

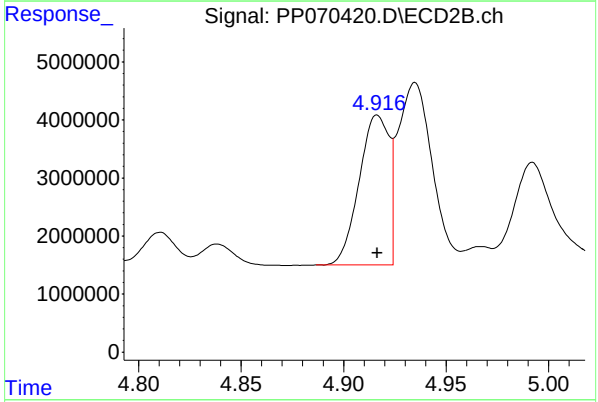
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 70837588
Conc: 73.89 ng/ml



#3 AR-1016-1

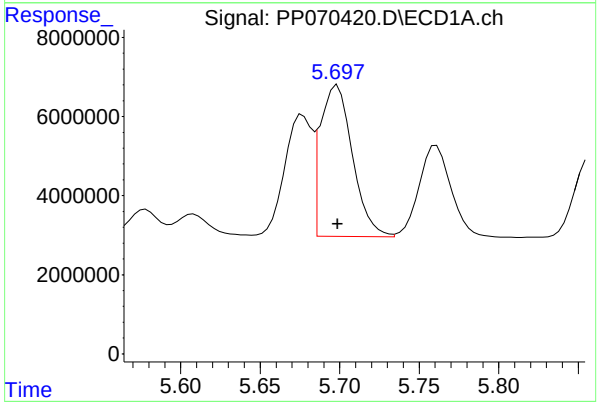
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 36468416
Conc: 748.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



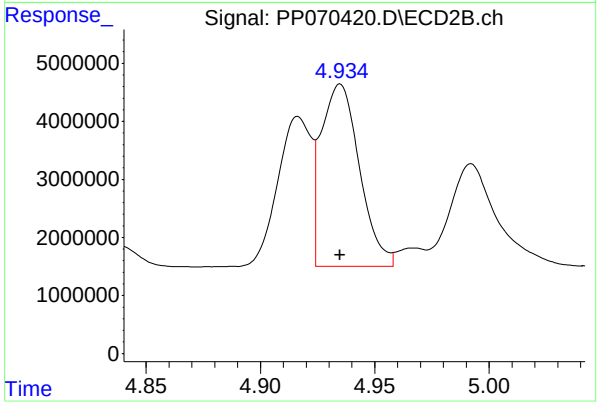
#3 AR-1016-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 26259347
Conc: 766.71 ng/ml



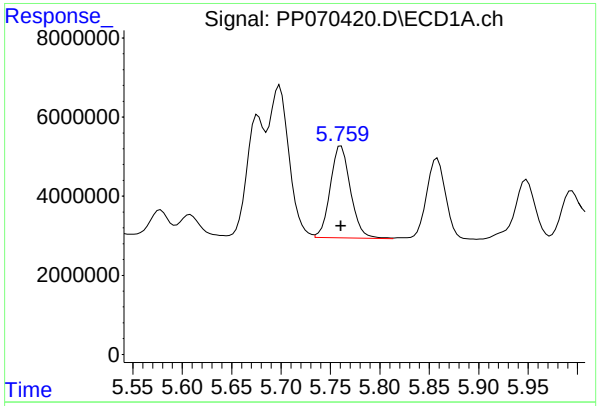
#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 54195611
Conc: 752.44 ng/ml



#4 AR-1016-2

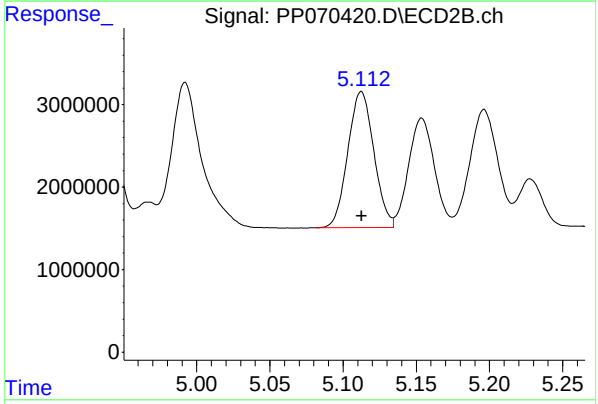
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 36649558
Conc: 760.73 ng/ml



#5 AR-1016-3

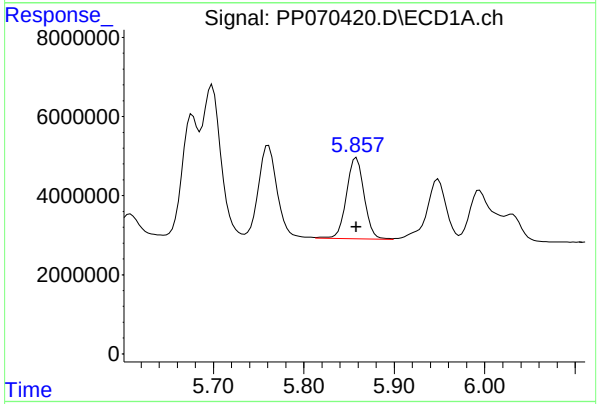
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 32877053
Conc: 746.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



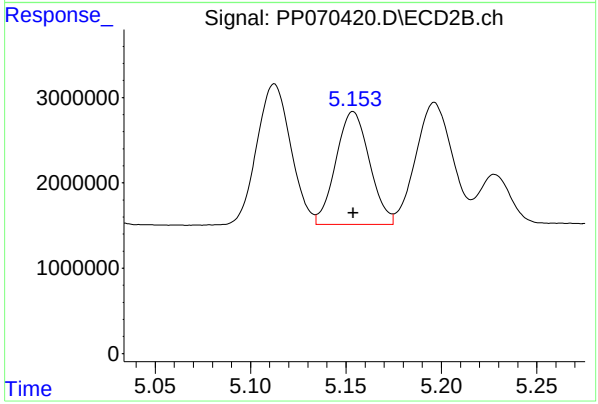
#5 AR-1016-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 20393839
Conc: 757.18 ng/ml



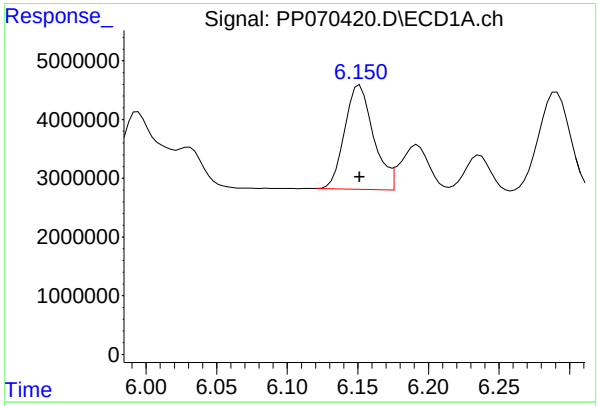
#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 27837898
Conc: 749.74 ng/ml



#6 AR-1016-4

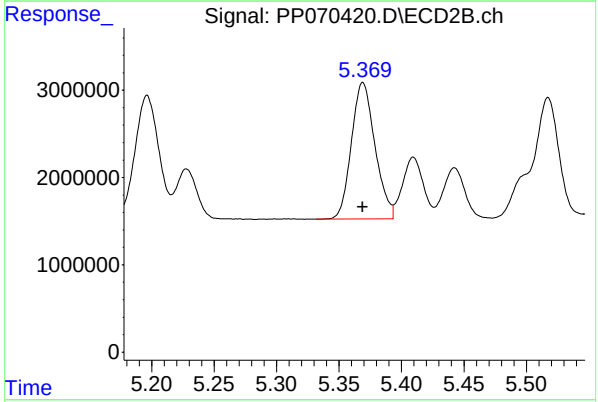
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 16253201
Conc: 757.79 ng/ml



#7 AR-1016-5

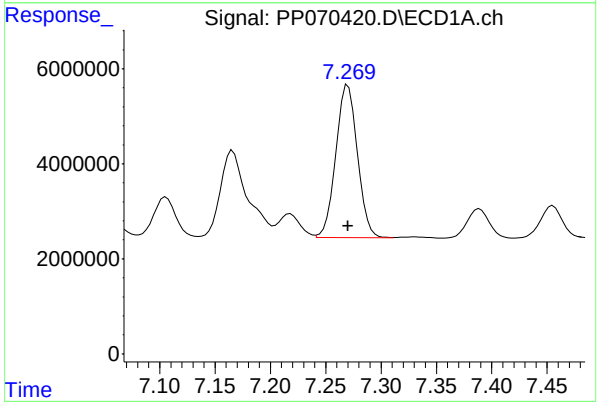
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 25290442
Conc: 745.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



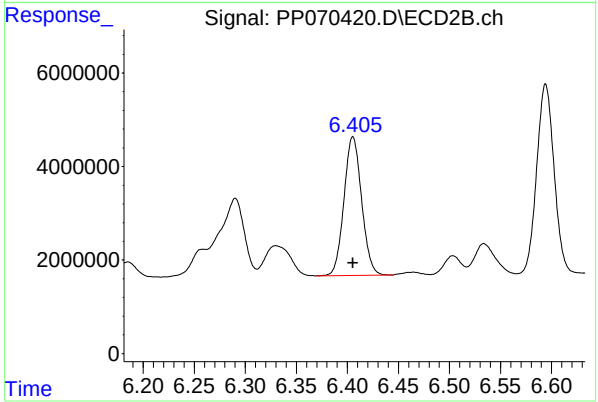
#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 20548181
Conc: 748.91 ng/ml



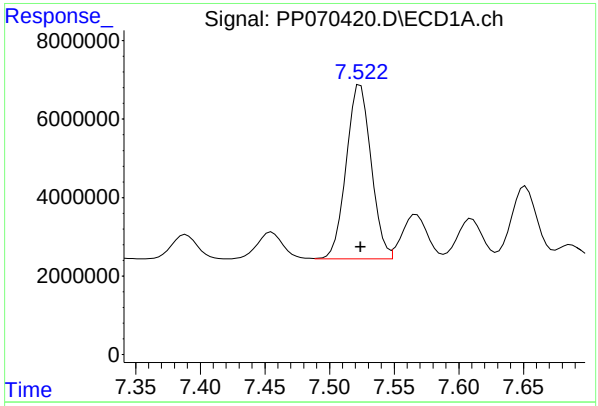
#31 AR-1260-1

R.T.: 7.270 min
Delta R.T.: 0.000 min
Response: 43699051
Conc: 753.46 ng/ml



#31 AR-1260-1

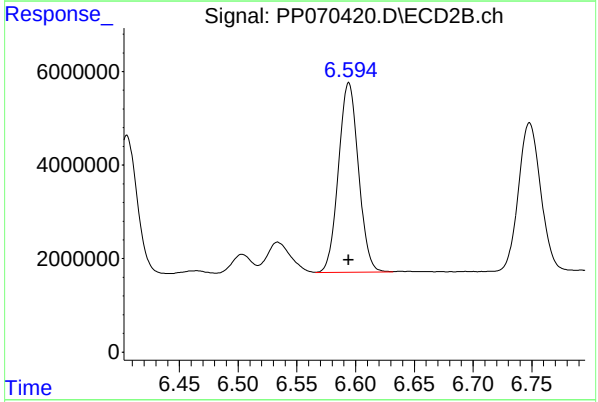
R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 35731210
Conc: 749.76 ng/ml



#32 AR-1260-2

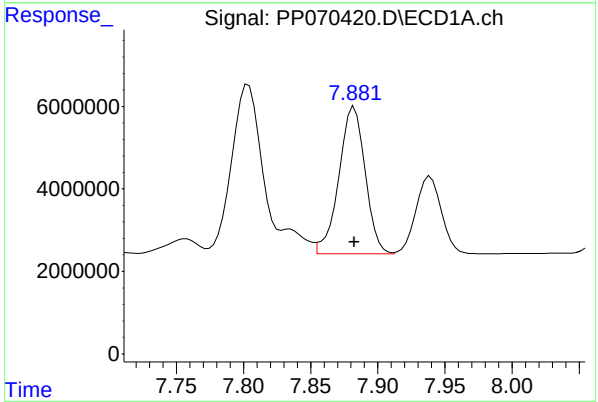
R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 59458057
Conc: 750.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



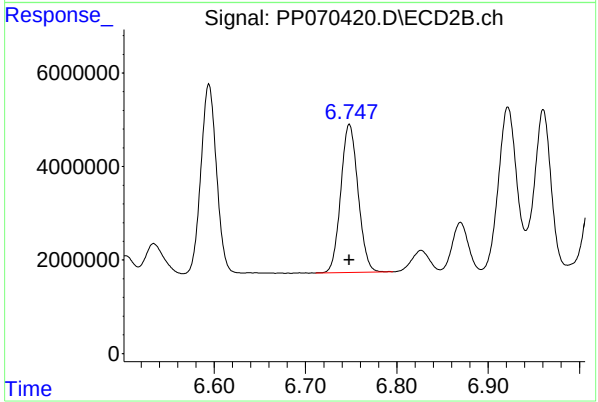
#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 48055327
Conc: 753.44 ng/ml



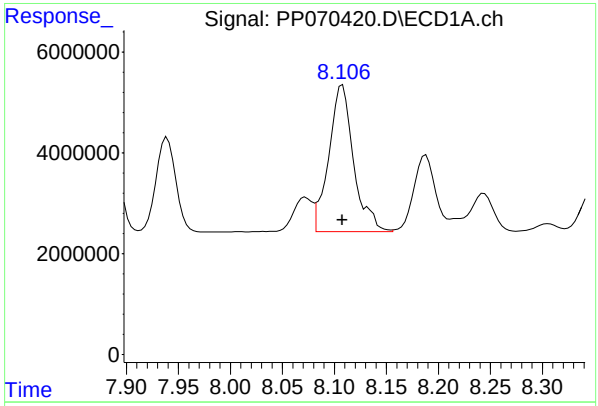
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 48742271
Conc: 747.28 ng/ml



#33 AR-1260-3

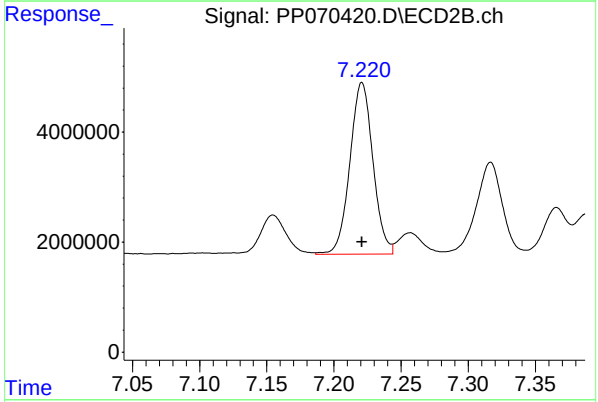
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 41574236
Conc: 753.59 ng/ml



#34 AR-1260-4

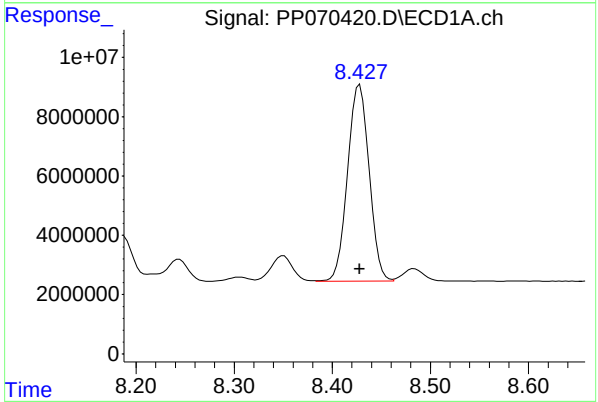
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 48512746
Conc: 758.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



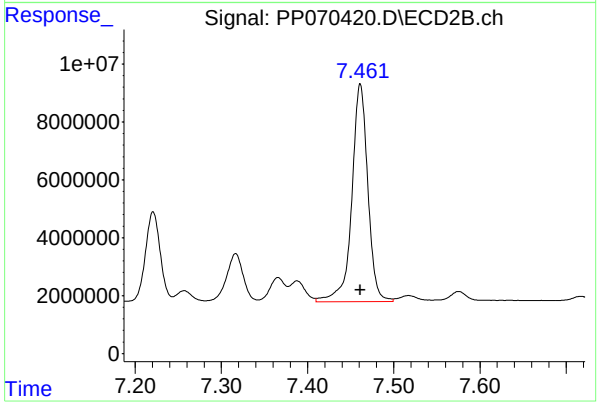
#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 37381432
Conc: 743.31 ng/ml



#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 101327582
Conc: 748.58 ng/ml



#35 AR-1260-5

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 97534605
Conc: 750.65 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:46
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 11 15:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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...	4.524	3.829	78771396	50975899	50.000	50.000
2)	SA Decachlor...	10.252	8.881	54219318	49800469	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.917	25597740	18058147	500.000	500.000
4)	L1 AR-1016-2	5.699	4.936	37546344	25500879	500.000	500.000
5)	L1 AR-1016-3	5.761	5.113	23173097	14351628	500.000	500.000
6)	L1 AR-1016-4	5.858	5.154	19789523	11451480	500.000	500.000
7)	L1 AR-1016-5	6.151	5.370	17751672	14634165	500.000	500.000
31)	L7 AR-1260-1	7.271	6.407	30330174	25030839	500.000	500.000
32)	L7 AR-1260-2	7.525	6.595	41491985	33308182	500.000	500.000
33)	L7 AR-1260-3	7.883	6.749	34005135	28911574	500.000	500.000
34)	L7 AR-1260-4	8.108	7.221	33076474	26980991	500.000	500.000
35)	L7 AR-1260-5	8.428	7.462	70209616	67902453	500.000	500.000

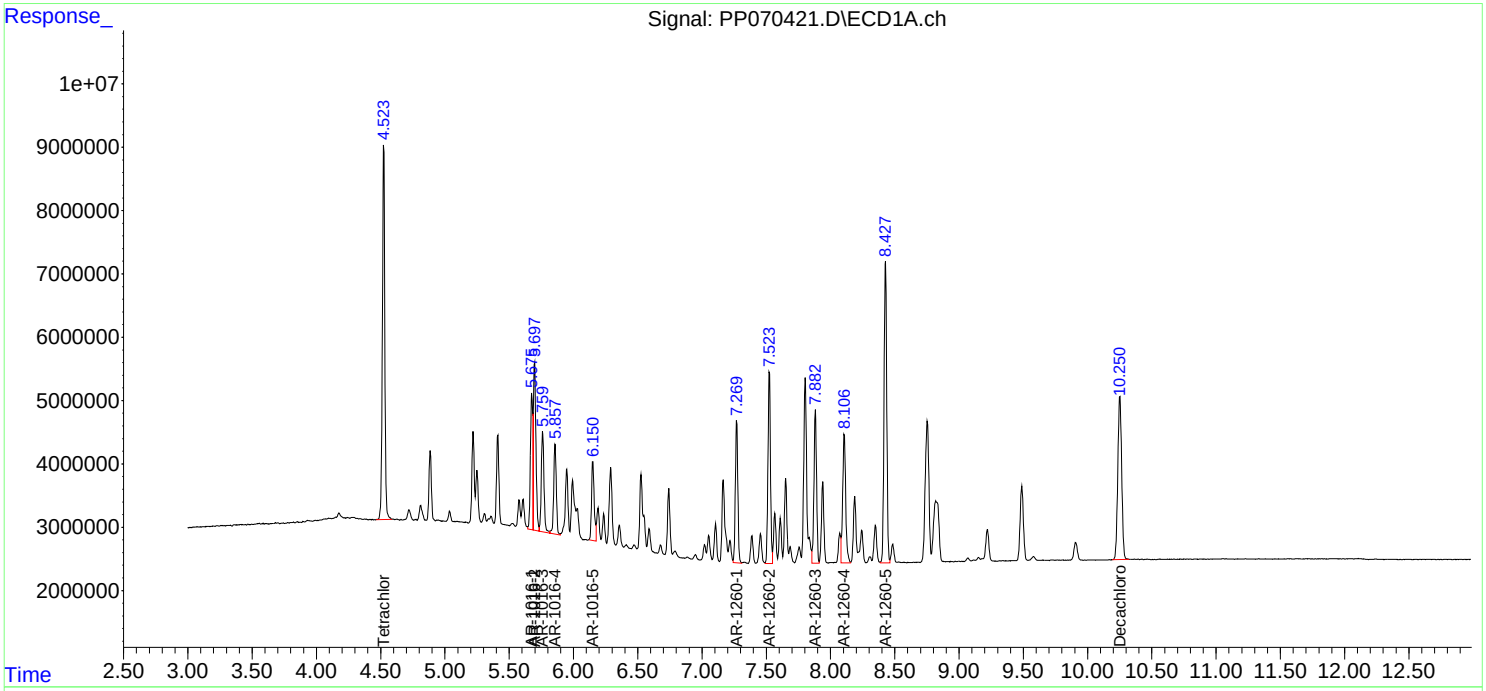
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

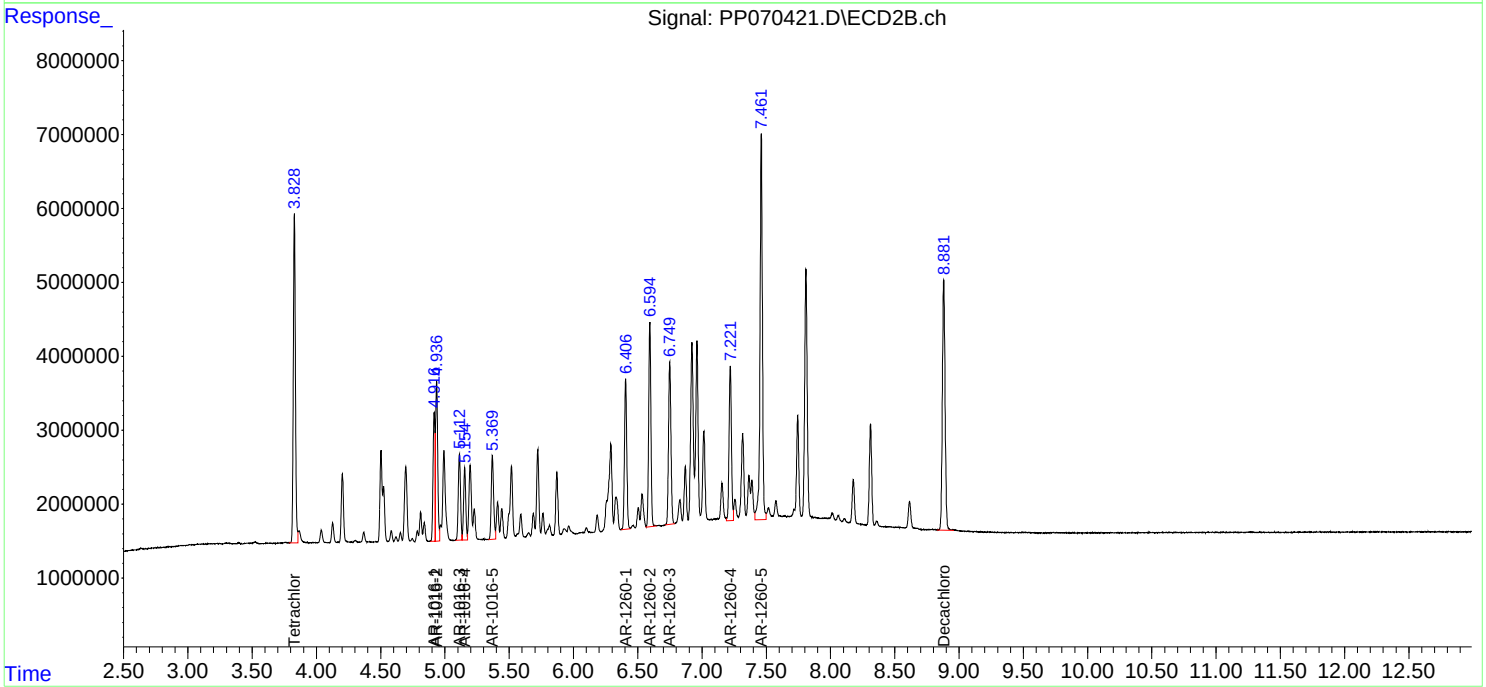
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:46
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

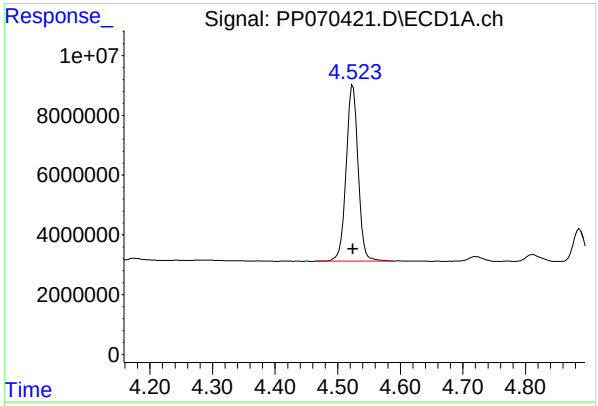
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 15:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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



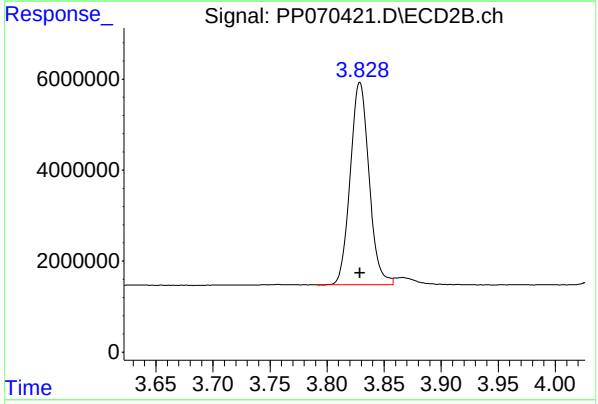




#1 Tetrachloro-m-xylene

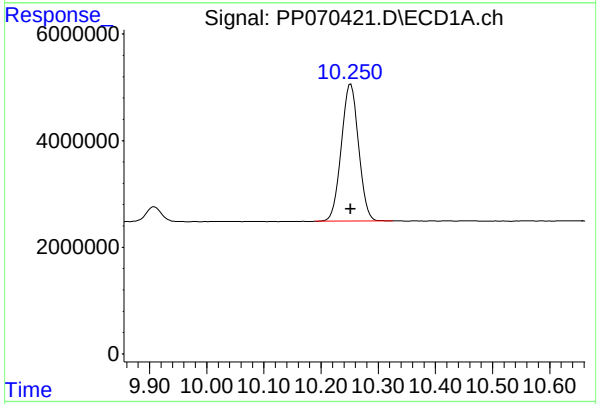
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 78771396
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



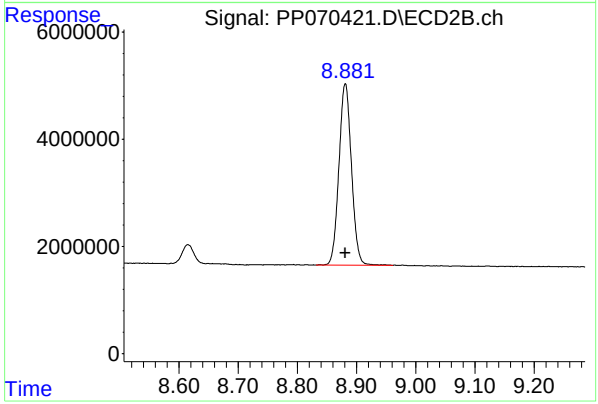
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 50975899
Conc: 50.00 ng/ml



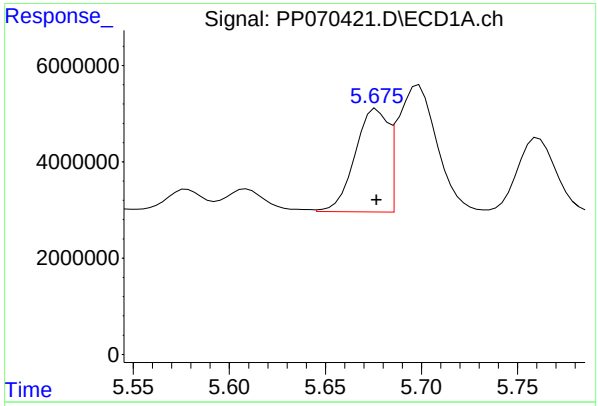
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 54219318
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

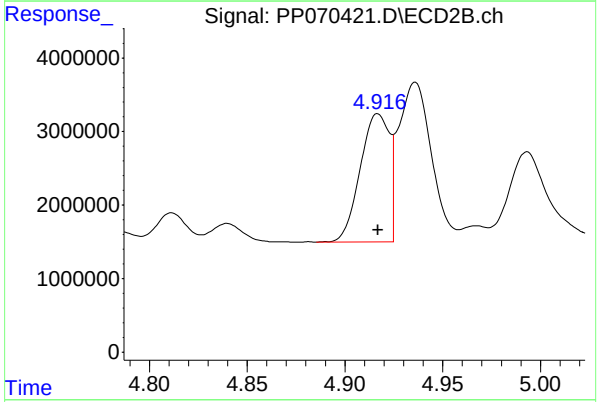
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 49800469
Conc: 50.00 ng/ml



#3 AR-1016-1

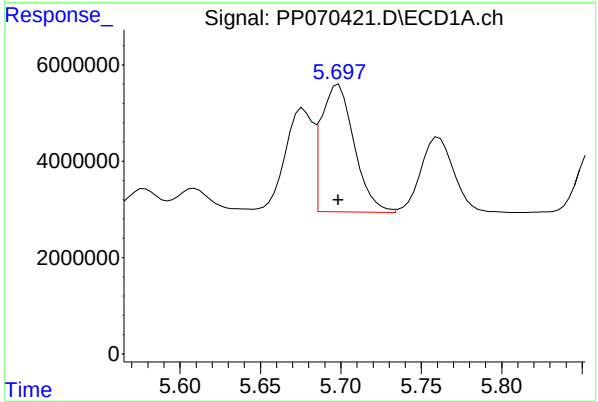
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 25597740
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



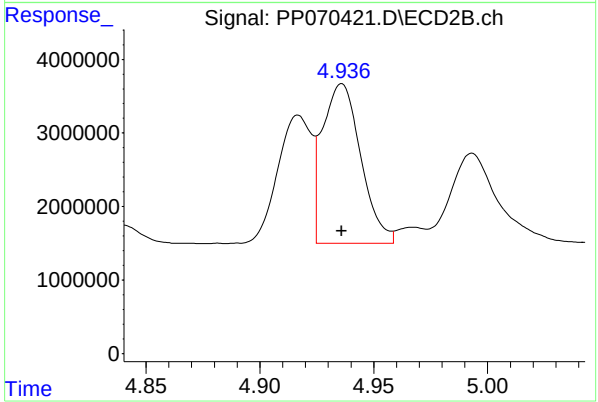
#3 AR-1016-1

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 18058147
Conc: 500.00 ng/ml



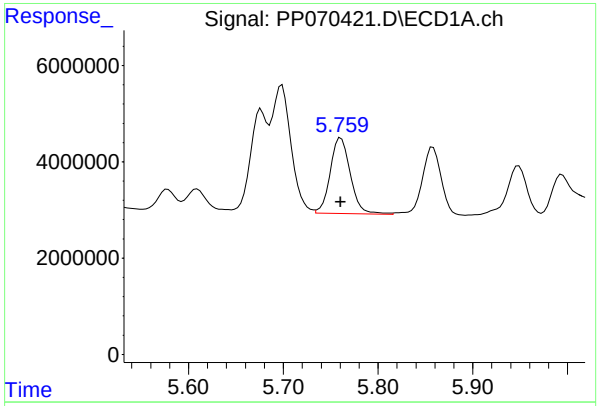
#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 37546344
Conc: 500.00 ng/ml



#4 AR-1016-2

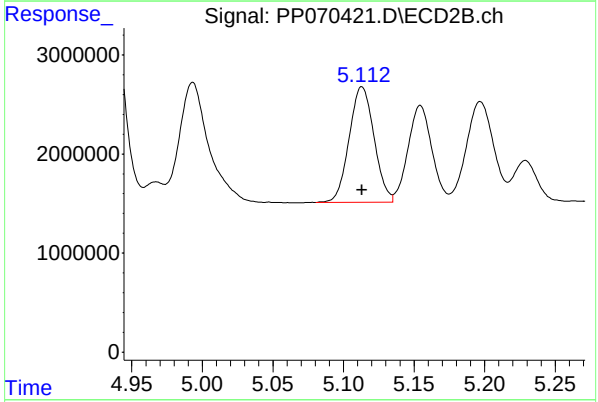
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 25500879
Conc: 500.00 ng/ml



#5 AR-1016-3

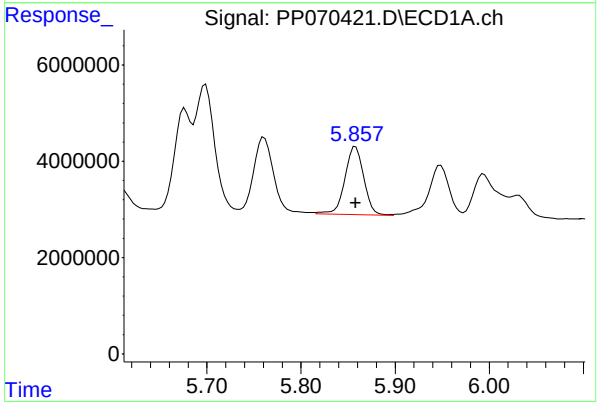
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 23173097
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



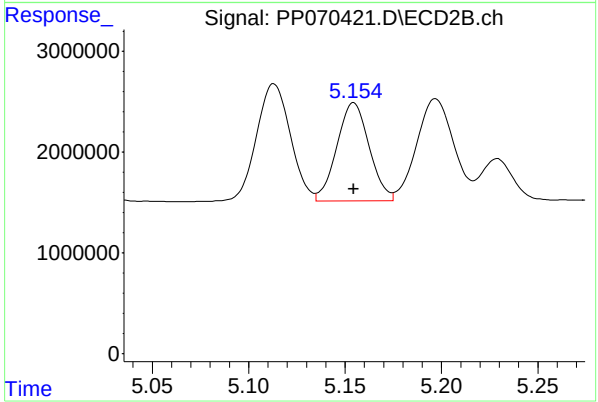
#5 AR-1016-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 14351628
Conc: 500.00 ng/ml



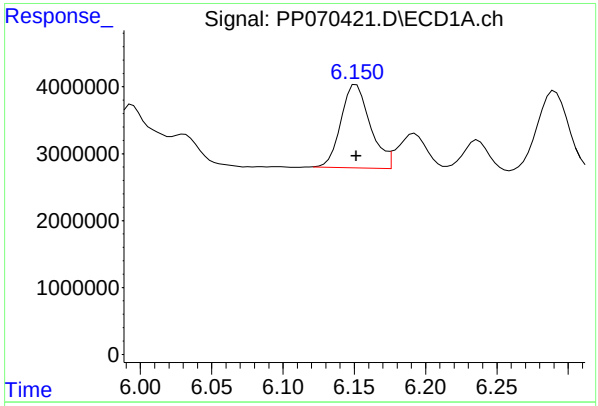
#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 19789523
Conc: 500.00 ng/ml



#6 AR-1016-4

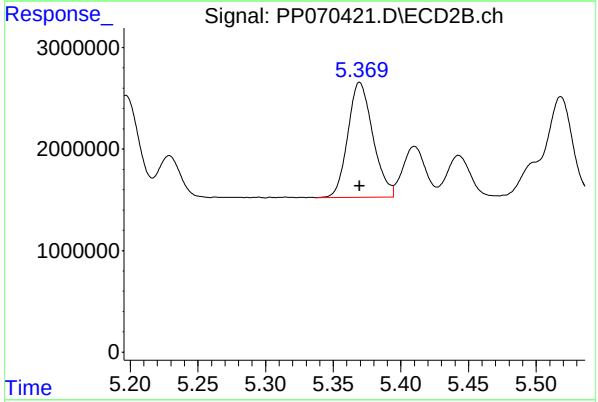
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 11451480
Conc: 500.00 ng/ml



#7 AR-1016-5

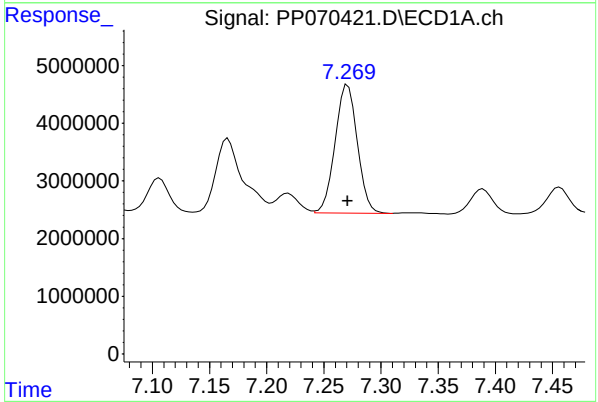
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 17751672
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



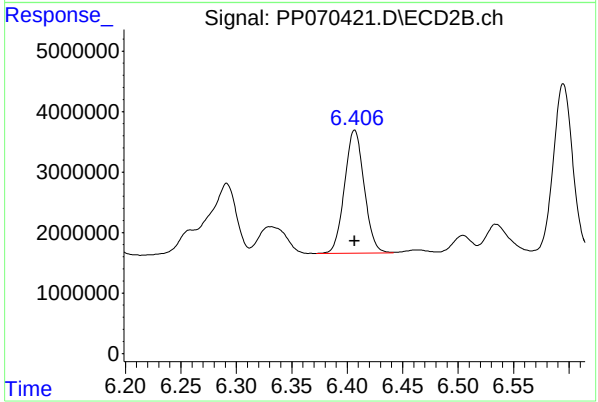
#7 AR-1016-5

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 14634165
Conc: 500.00 ng/ml



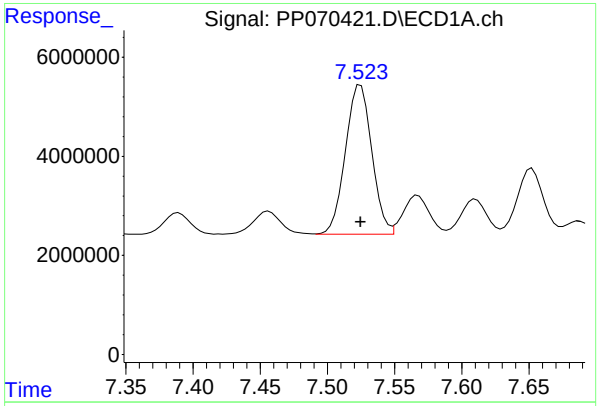
#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: 0.000 min
Response: 30330174
Conc: 500.00 ng/ml



#31 AR-1260-1

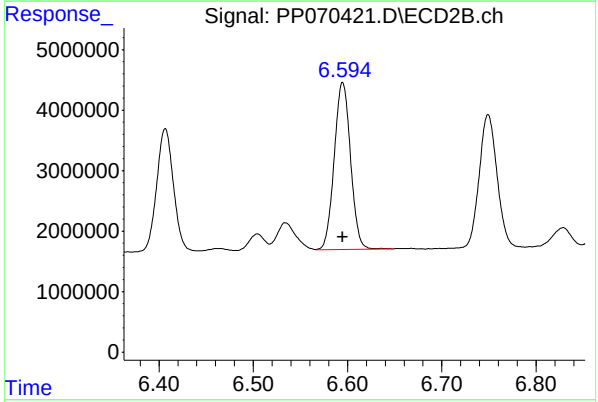
R.T.: 6.407 min
Delta R.T.: 0.000 min
Response: 25030839
Conc: 500.00 ng/ml



#32 AR-1260-2

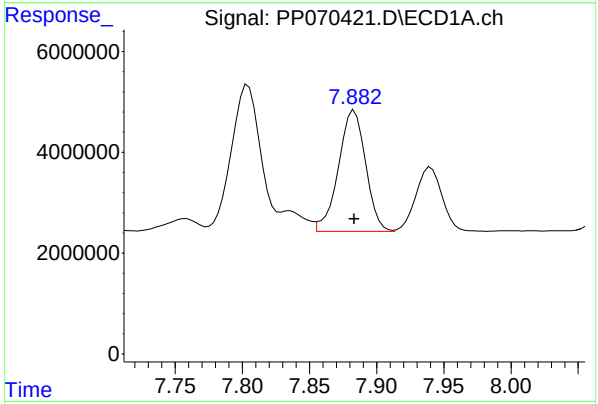
R.T.: 7.525 min
Delta R.T.: 0.000 min
Response: 41491985
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



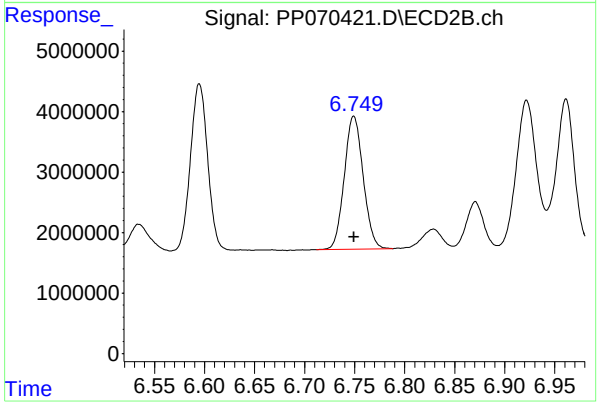
#32 AR-1260-2

R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 33308182
Conc: 500.00 ng/ml



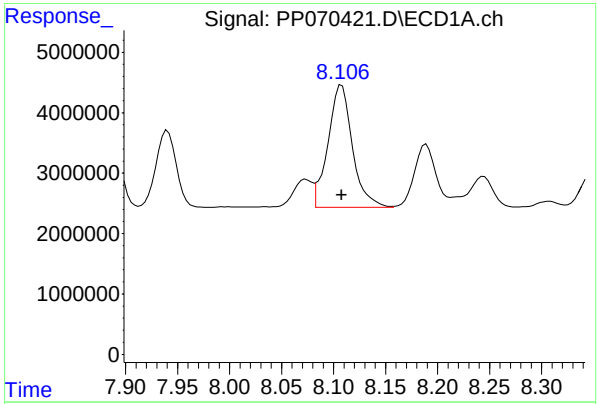
#33 AR-1260-3

R.T.: 7.883 min
Delta R.T.: 0.000 min
Response: 34005135
Conc: 500.00 ng/ml



#33 AR-1260-3

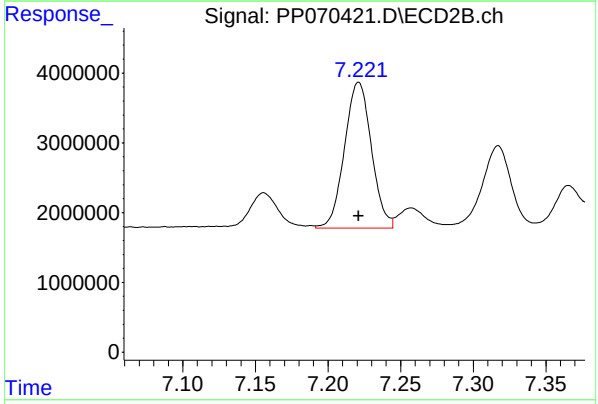
R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 28911574
Conc: 500.00 ng/ml



#34 AR-1260-4

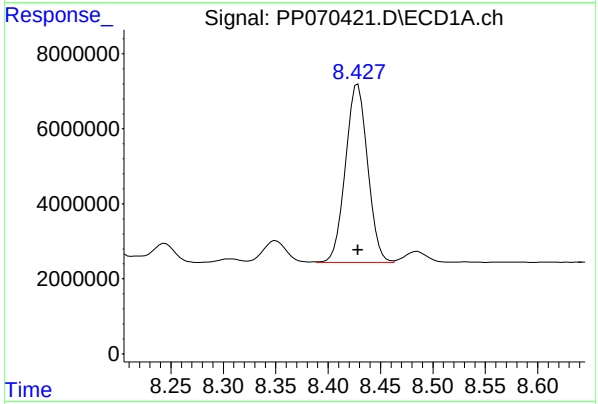
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 33076474
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



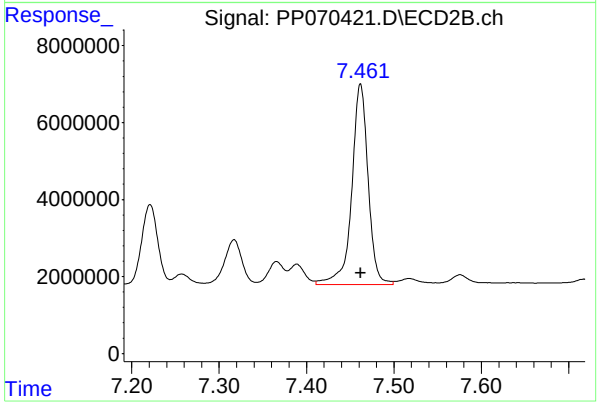
#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 26980991
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 70209616
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 67902453
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:02
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:15:10 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...	4.526	3.828	41531966	26313383	26.670	26.644
2)	SA Decachlor...	10.255	8.880	28350211	25677480	26.570	26.327m
	Target Compounds						
3)	L1 AR-1016-1	5.678	4.916	14080037	9864390	278.227	277.469
4)	L1 AR-1016-2	5.700	4.935	19868297	13900874	268.896	277.831
5)	L1 AR-1016-3	5.762	5.112	12407402	7670971	273.151	275.227
6)	L1 AR-1016-4	5.859	5.154	10571757	6097437	275.169	274.862
7)	L1 AR-1016-5	6.153	5.369	9142764	8102490	264.374	282.508
31)	L7 AR-1260-1	7.272	6.406	15812734	13410773	266.607	272.835
32)	L7 AR-1260-2	7.526	6.594	21836797	17516742	268.685	268.035
33)	L7 AR-1260-3	7.885	6.749	17670532	15252750	265.362	269.346
34)	L7 AR-1260-4	8.110	7.220	17375887	13889843	265.960	269.143
35)	L7 AR-1260-5	8.430	7.461	36632226	34190463	265.158	259.725

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:02
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

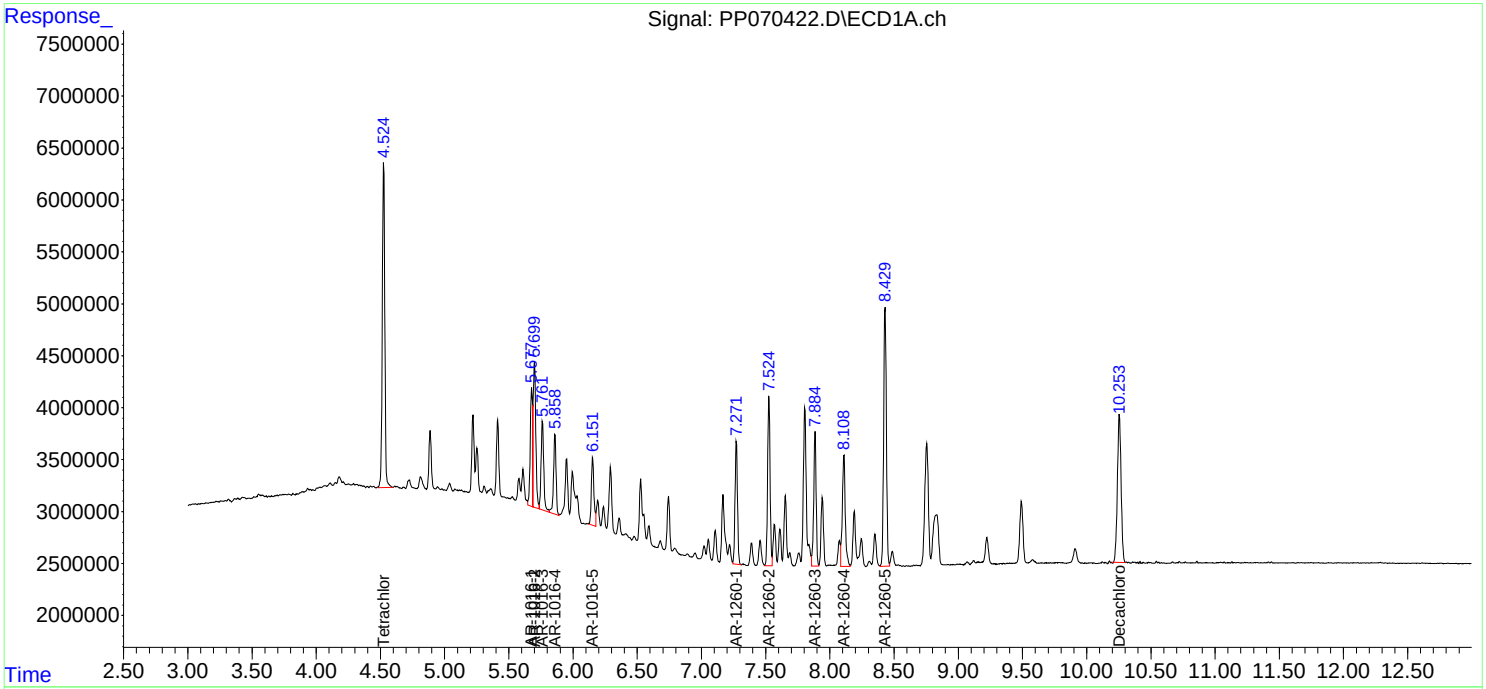
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

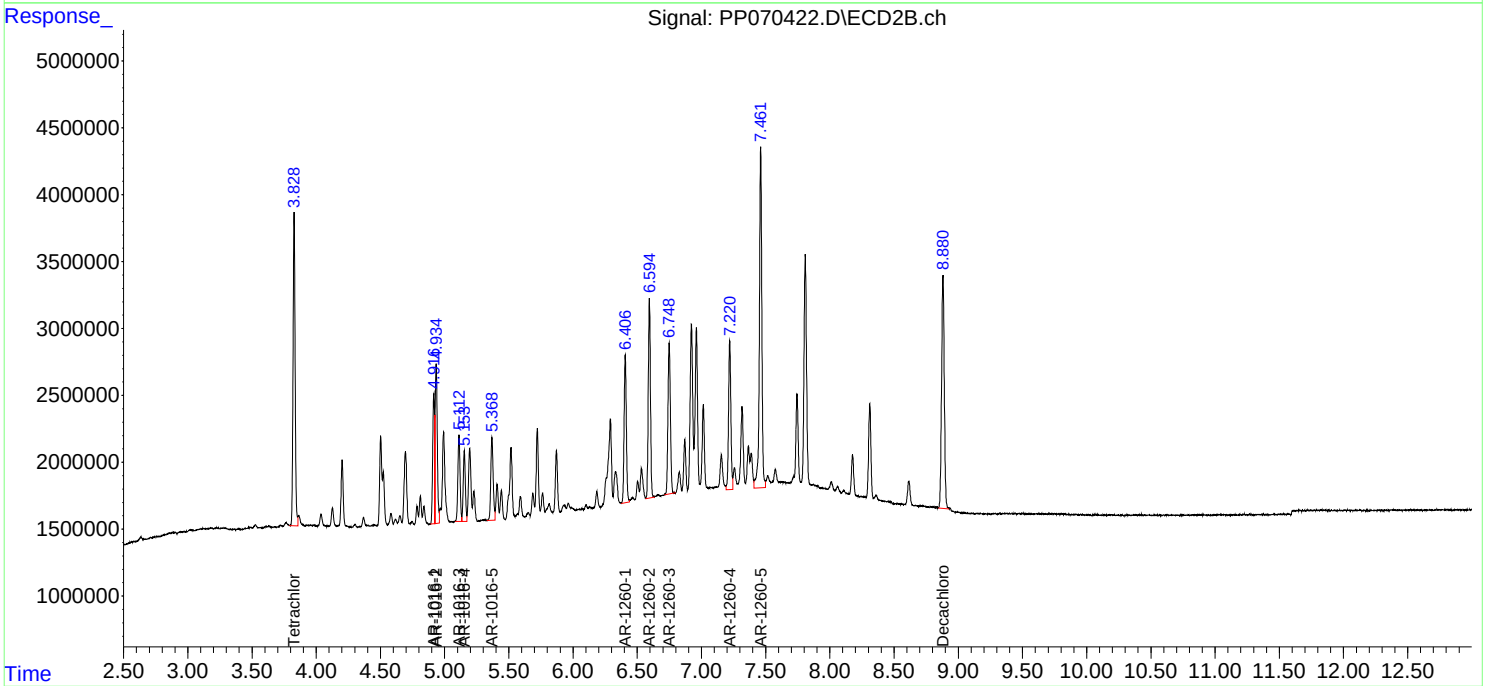
Manual Integrations APPROVED

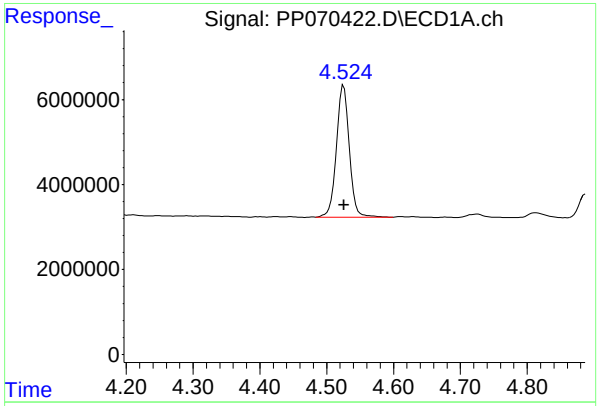
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:15:10 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







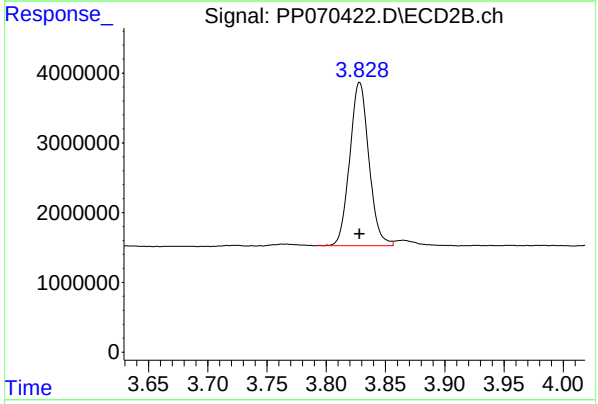
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.000 mi
Response: 41531966
Conc: 26.67 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

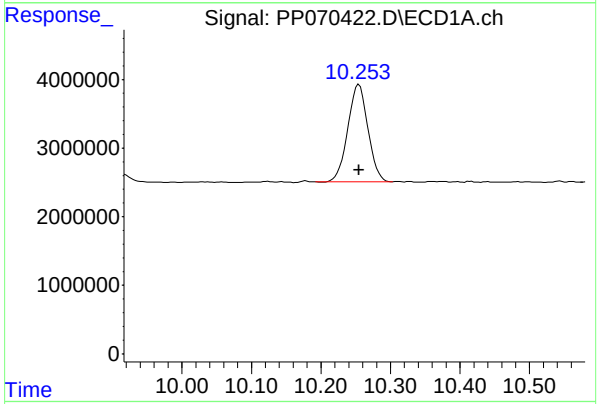
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



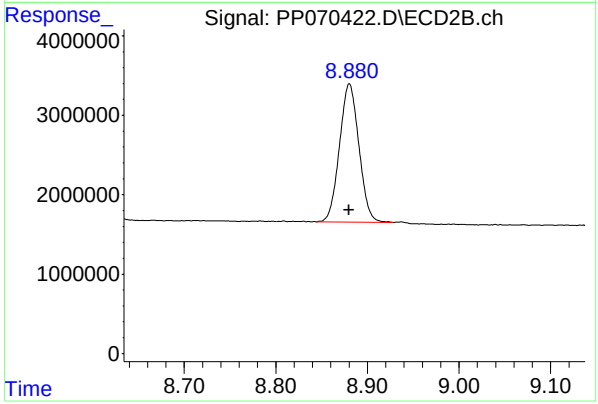
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26313383
Conc: 26.64 ng/ml



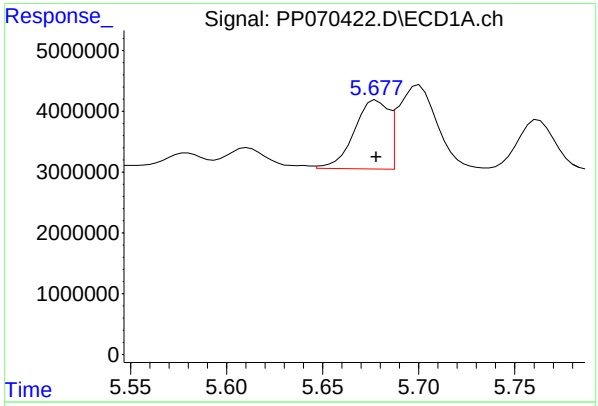
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 28350211
Conc: 26.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 25677480
Conc: 26.33 ng/ml m



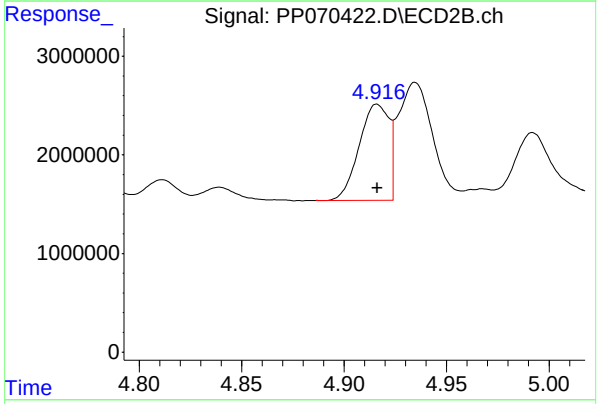
#3 AR-1016-1

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 14080037
Conc: 278.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

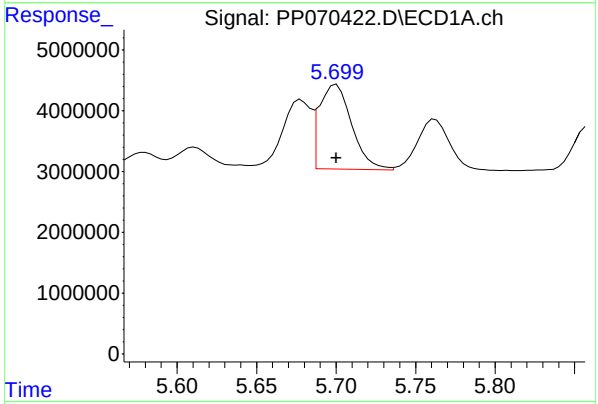
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



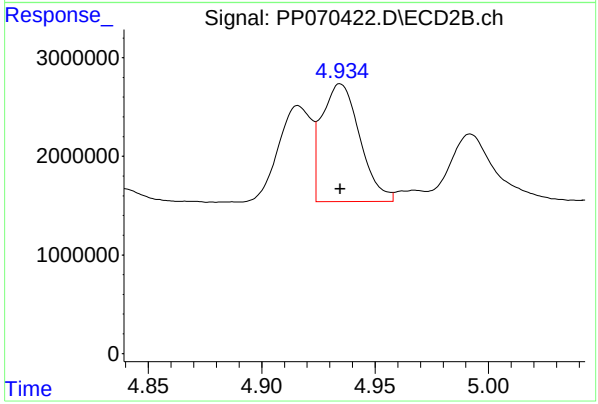
#3 AR-1016-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 9864390
Conc: 277.47 ng/ml



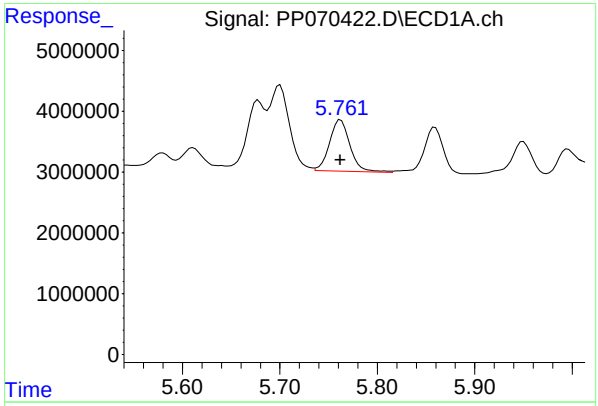
#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 19868297
Conc: 268.90 ng/ml



#4 AR-1016-2

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 13900874
Conc: 277.83 ng/ml



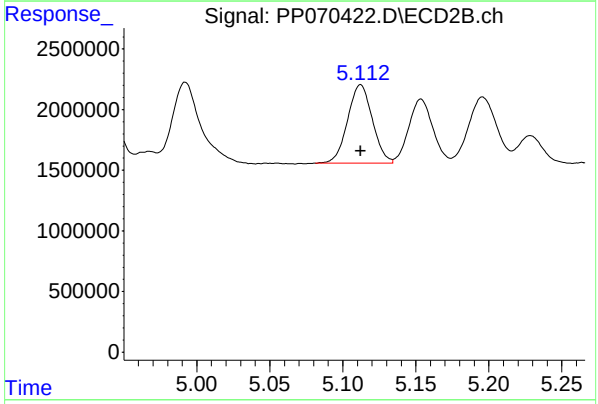
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 12407402
Conc: 273.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

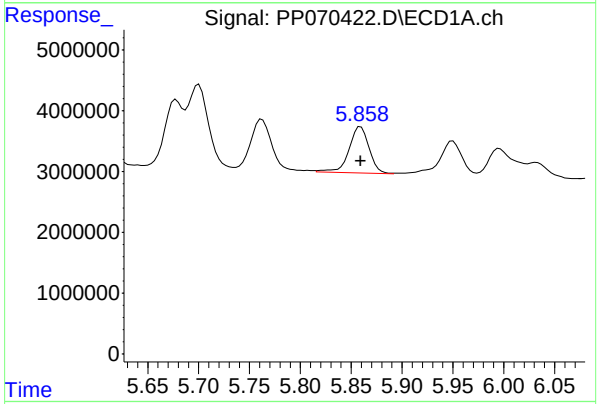
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



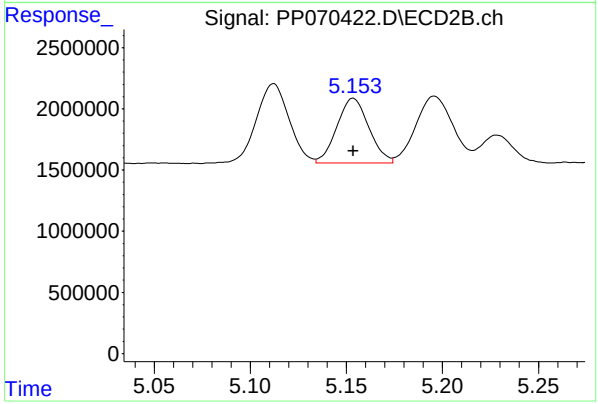
#5 AR-1016-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 7670971
Conc: 275.23 ng/ml



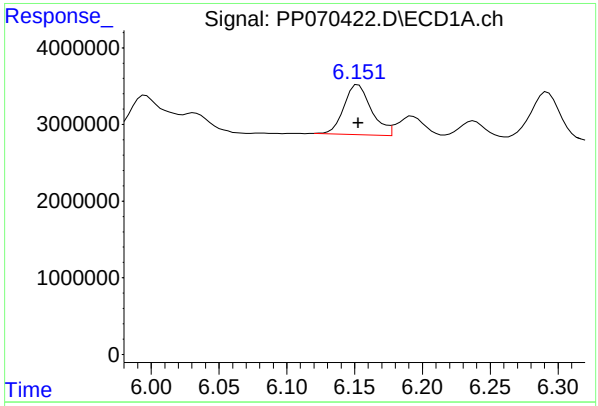
#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 10571757
Conc: 275.17 ng/ml



#6 AR-1016-4

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 6097437
Conc: 274.86 ng/ml



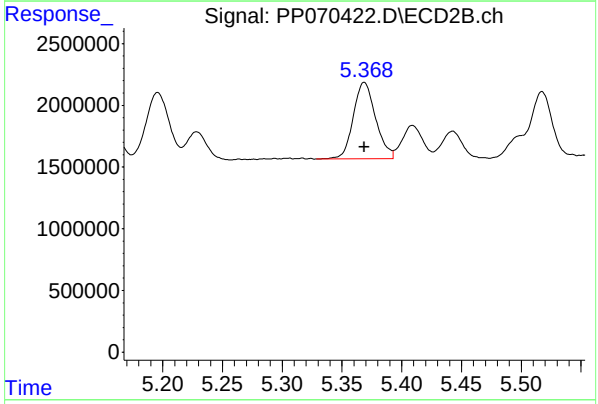
#7 AR-1016-5

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 9142764
Conc: 264.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

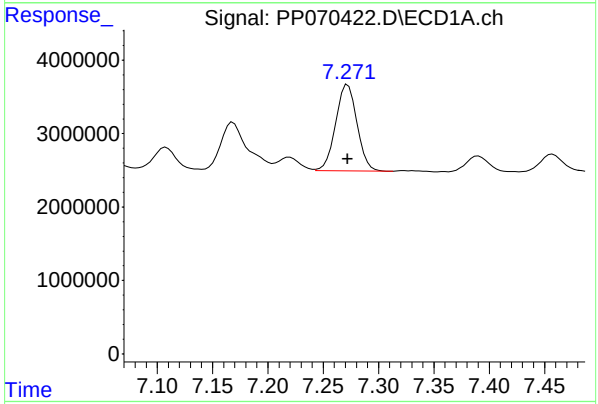
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



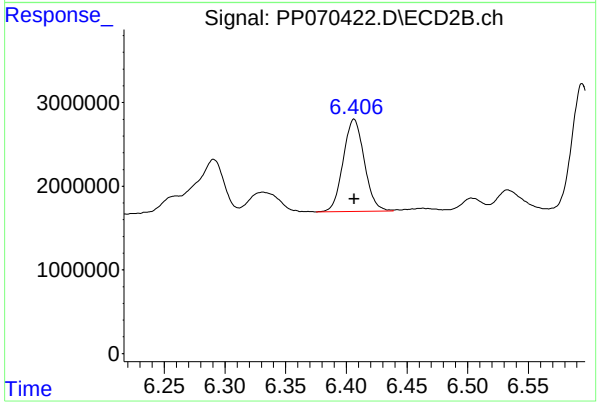
#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 8102490
Conc: 282.51 ng/ml



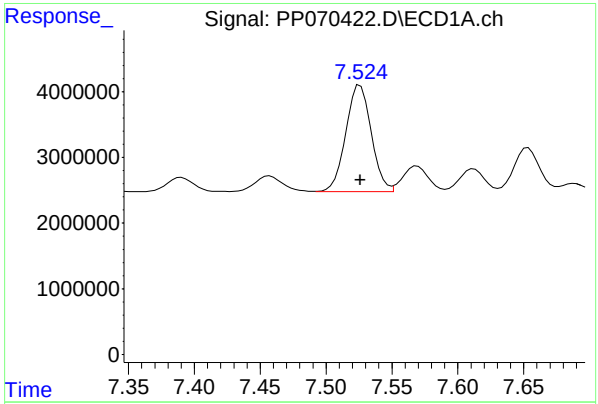
#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: 0.000 min
Response: 15812734
Conc: 266.61 ng/ml



#31 AR-1260-1

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 13410773
Conc: 272.83 ng/ml



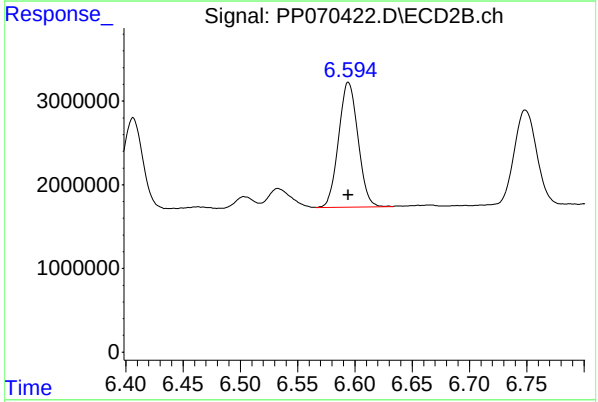
#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: 0.000 min
Response: 21836797
Conc: 268.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

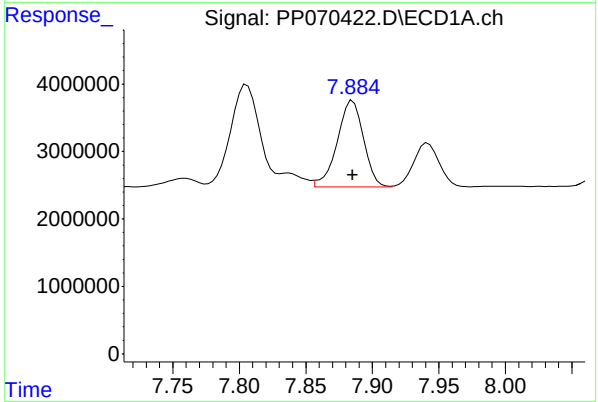
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



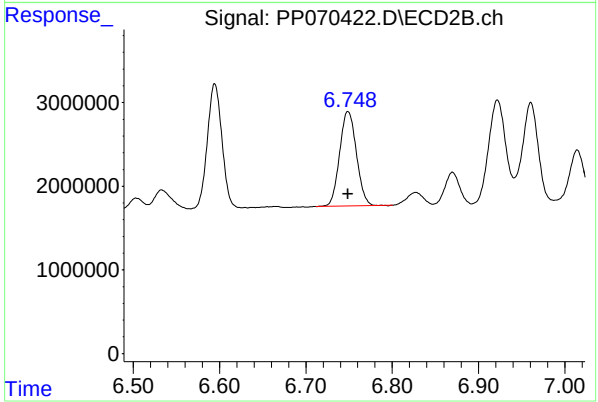
#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 17516742
Conc: 268.04 ng/ml



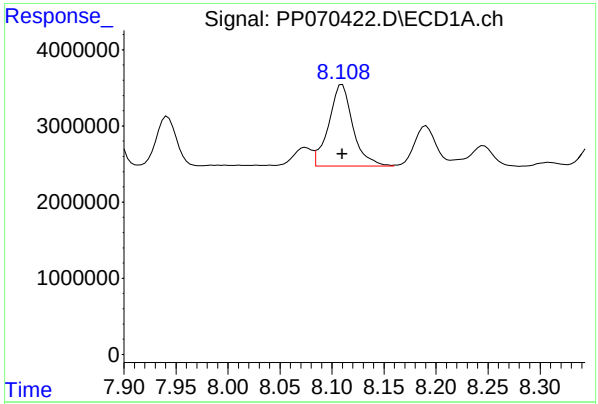
#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.000 min
Response: 17670532
Conc: 265.36 ng/ml



#33 AR-1260-3

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 15252750
Conc: 269.35 ng/ml



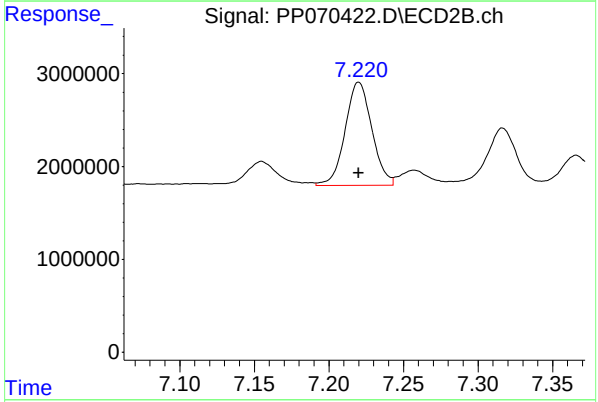
#34 AR-1260-4

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 17375887
Conc: 265.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

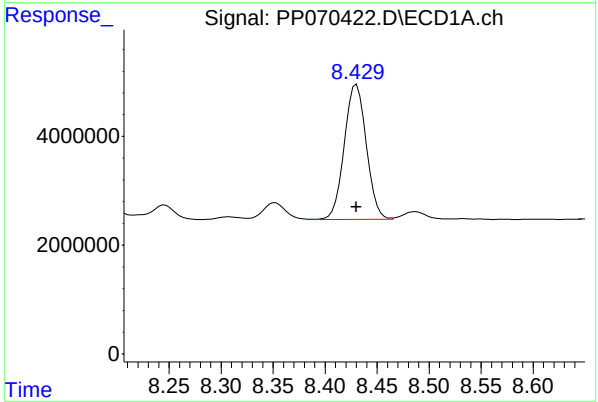
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



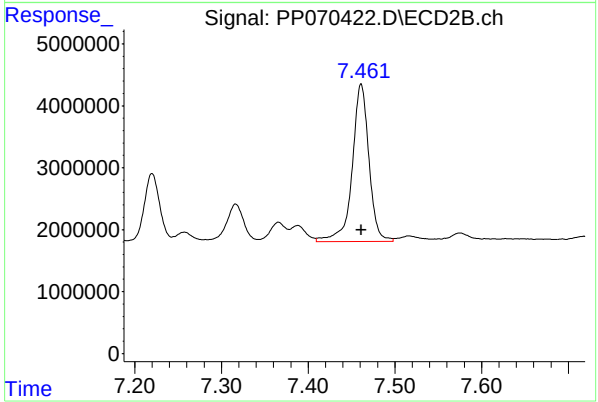
#34 AR-1260-4

R.T.: 7.220 min
Delta R.T.: 0.000 min
Response: 13889843
Conc: 269.14 ng/ml



#35 AR-1260-5

R.T.: 8.430 min
Delta R.T.: 0.000 min
Response: 36632226
Conc: 265.16 ng/ml



#35 AR-1260-5

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 34190463
Conc: 259.73 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:18
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:29:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:29:31 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...	4.526	3.828	7739681	5305139	4.976	5.293
2)	SA Decachlor...	10.252	8.882	5218274	4943985	4.912	5.053
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.917	2841545	1877865	53.987m	52.232
4)	L1 AR-1016-2	5.699	4.936	3108517	2984969	42.895m	57.440 #
5)	L1 AR-1016-3	5.762	5.113	2299832	1539056	50.765m	54.090
6)	L1 AR-1016-4	5.859	5.154	2075609	1160746	53.599m	51.842
7)	L1 AR-1016-5	6.151	5.369	1738965	1693613	50.227	56.988
31)	L7 AR-1260-1	7.273	6.407	2822336	2615404	48.049	52.535
32)	L7 AR-1260-2	7.527	6.594	4256172	3451390	51.877	52.225
33)	L7 AR-1260-3	7.885	6.749	3121384	2973566	47.468	51.988
34)	L7 AR-1260-4	8.110	7.221	3269147	2469332	50.031	48.460m
35)	L7 AR-1260-5	8.431	7.461	6538931	5868129	47.842	45.416m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:18
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

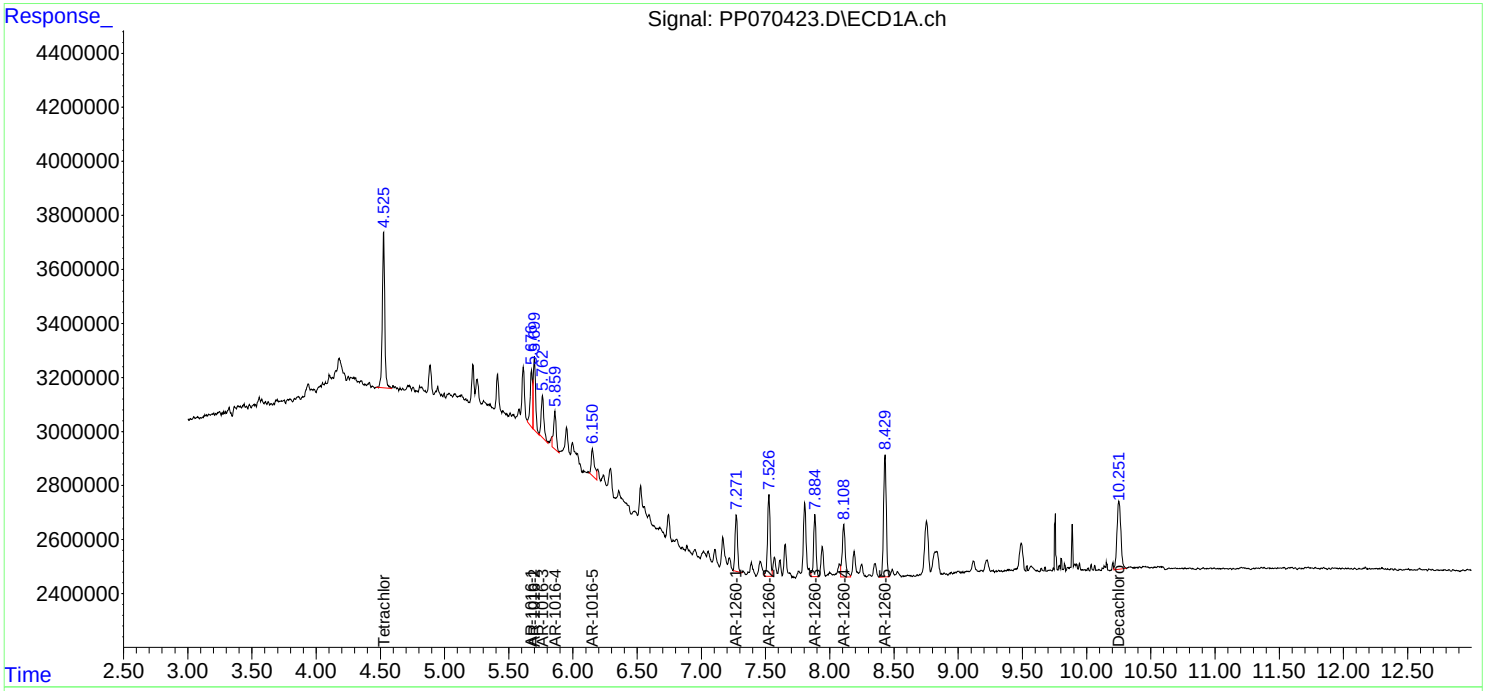
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

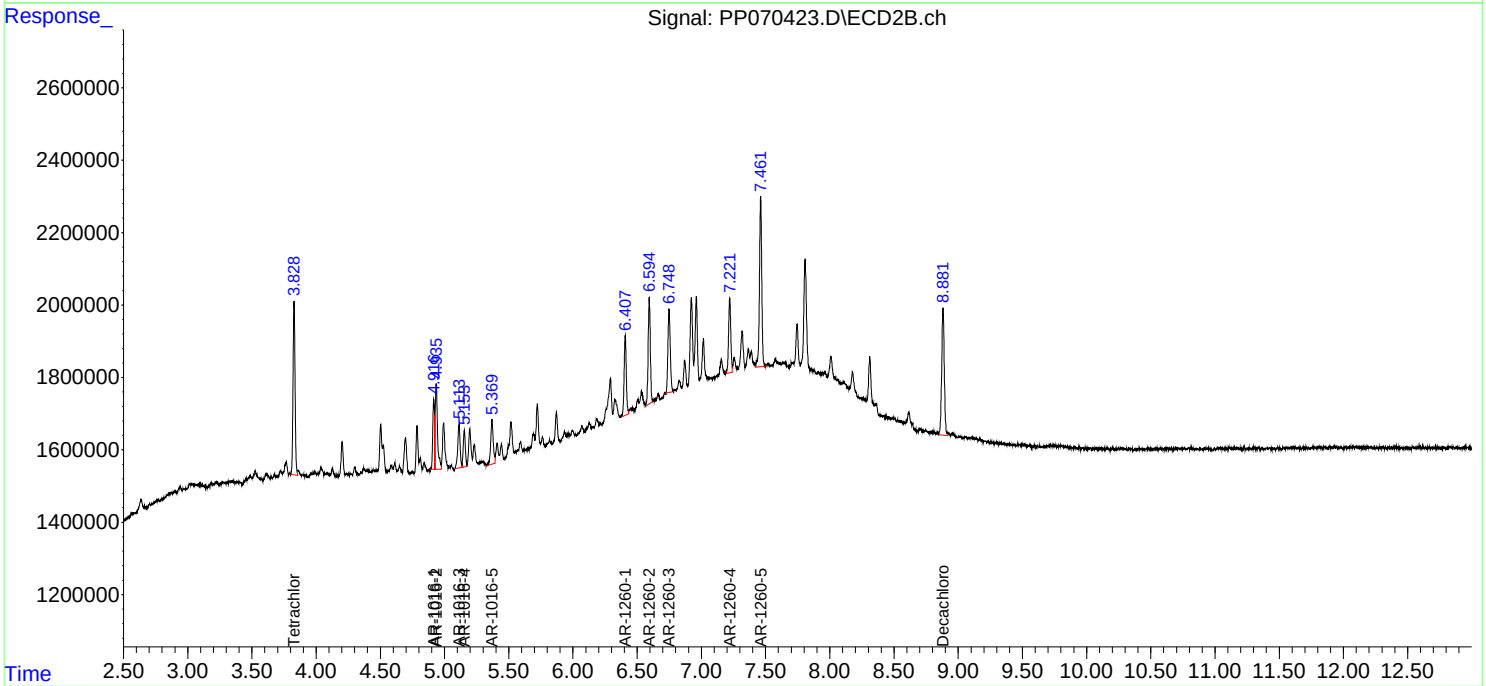
Manual Integrations APPROVED

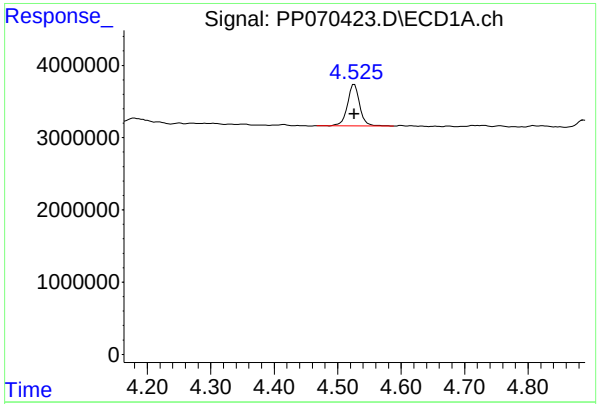
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:29:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:29:31 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







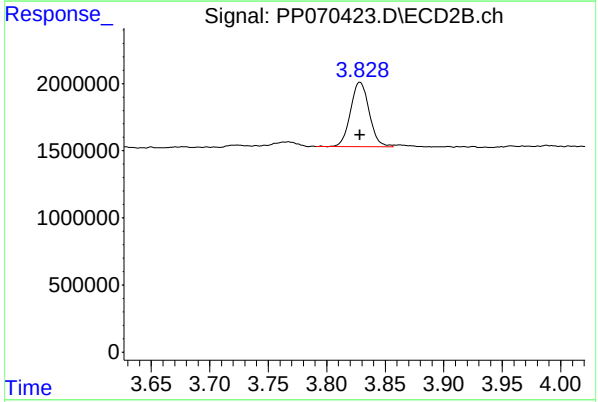
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 7739681
Conc: 4.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

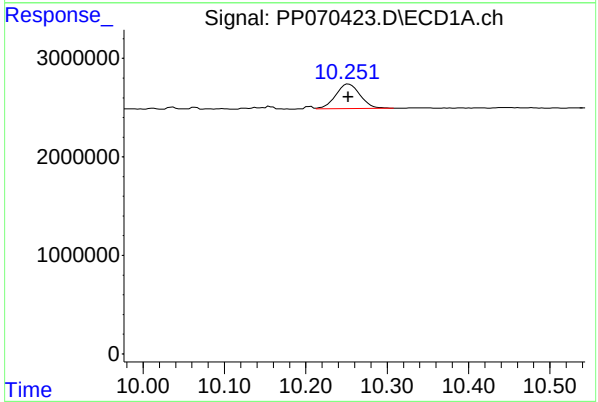
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



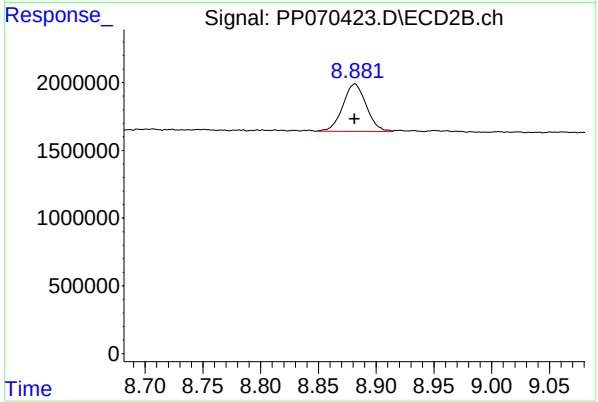
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5305139
Conc: 5.29 ng/ml



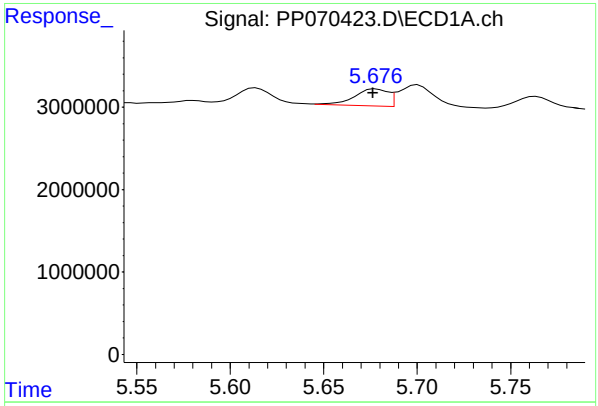
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 5218274
Conc: 4.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 4943985
Conc: 5.05 ng/ml



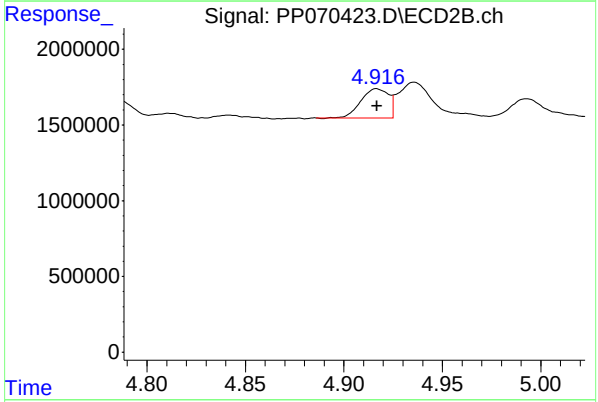
#3 AR-1016-1

R.T.: 5.676 min
Delta R.T.: 0.000 mi
Response: 2841545
Conc: 53.99 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

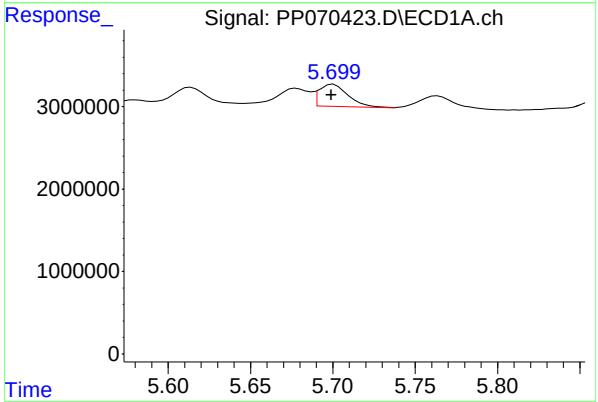
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



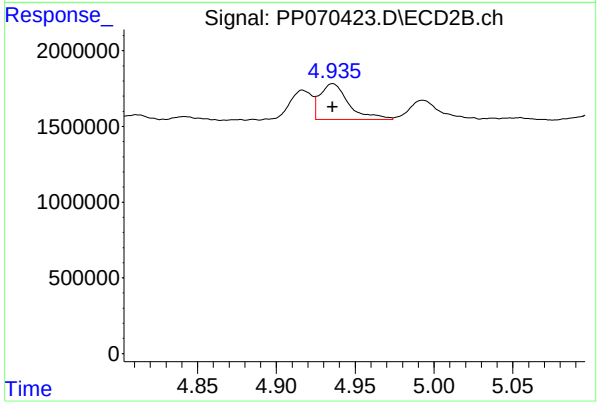
#3 AR-1016-1

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 1877865
Conc: 52.23 ng/ml



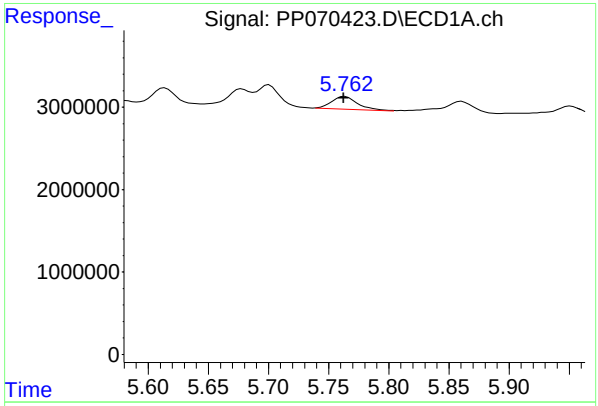
#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 3108517
Conc: 42.89 ng/ml m



#4 AR-1016-2

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 2984969
Conc: 57.44 ng/ml



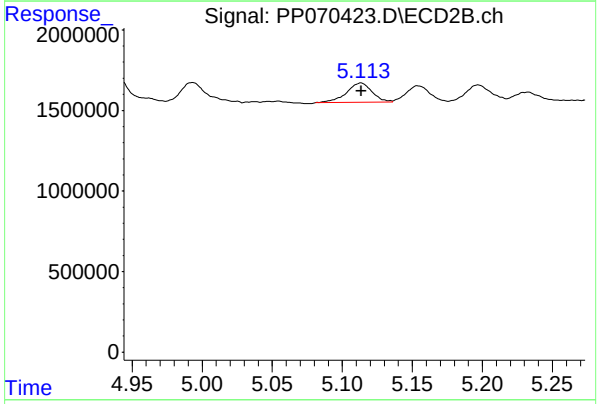
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: 0.000 mi
Response: 2299832
Conc: 50.76 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

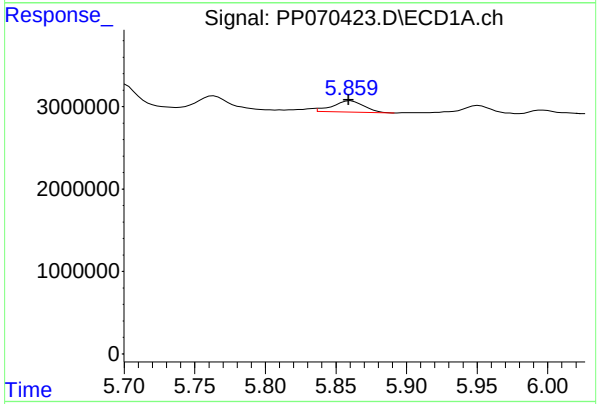
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



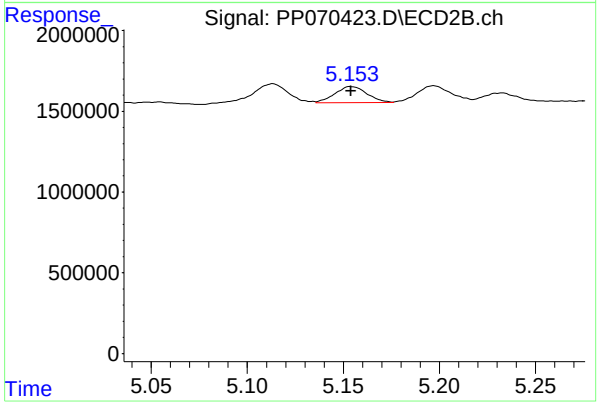
#5 AR-1016-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 1539056
Conc: 54.09 ng/ml



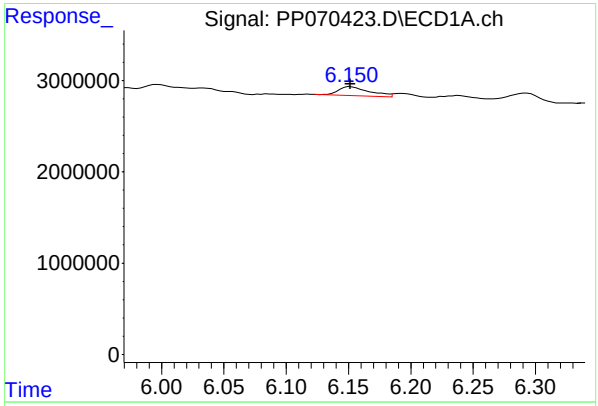
#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 2075609
Conc: 53.60 ng/ml m



#6 AR-1016-4

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 1160746
Conc: 51.84 ng/ml



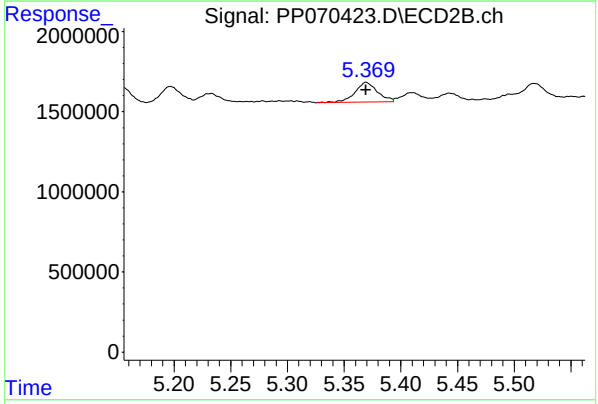
#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 1738965
Conc: 50.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

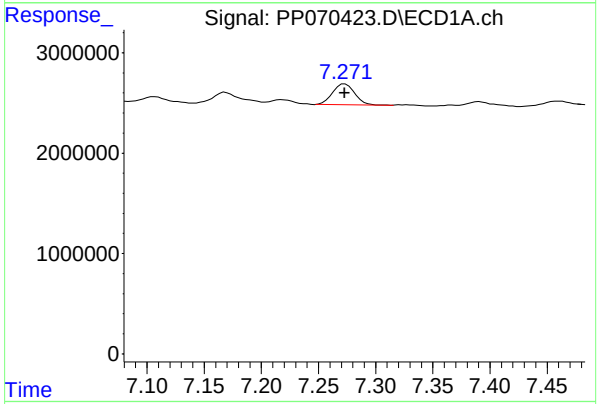
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



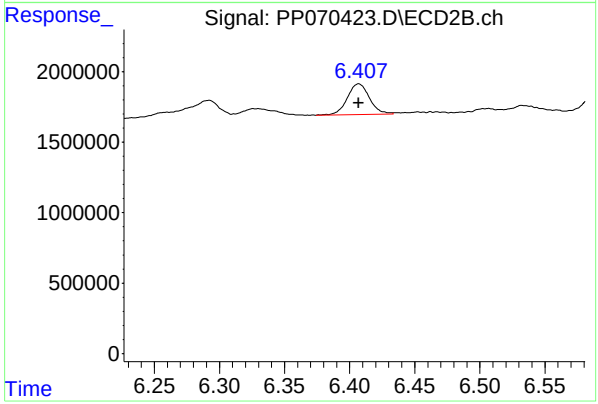
#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1693613
Conc: 56.99 ng/ml



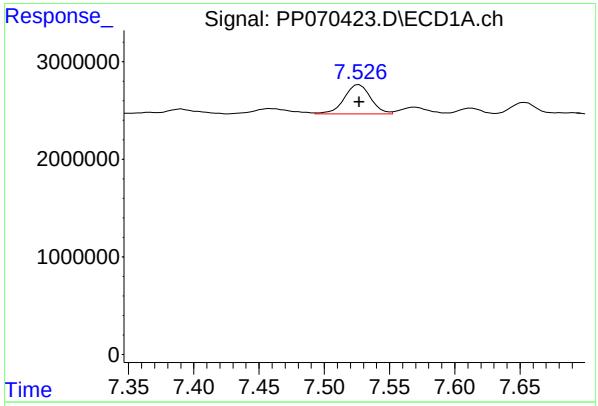
#31 AR-1260-1

R.T.: 7.273 min
Delta R.T.: 0.000 min
Response: 2822336
Conc: 48.05 ng/ml



#31 AR-1260-1

R.T.: 6.407 min
Delta R.T.: 0.000 min
Response: 2615404
Conc: 52.53 ng/ml



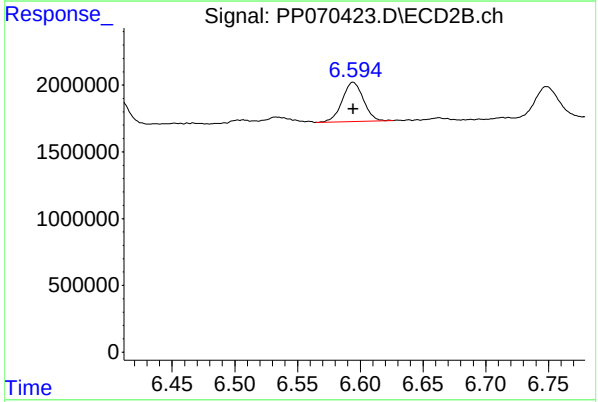
#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.000 min
Response: 4256172
Conc: 51.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

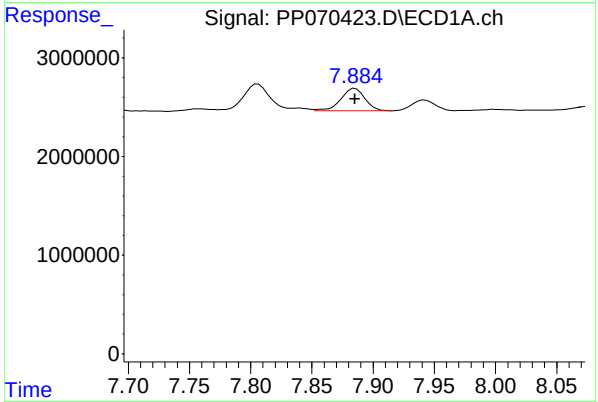
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



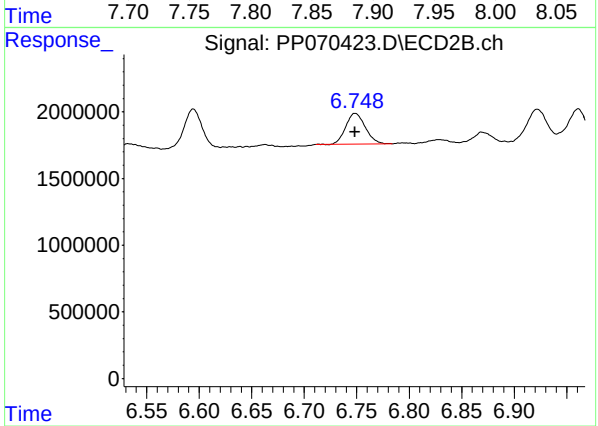
#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 3451390
Conc: 52.22 ng/ml



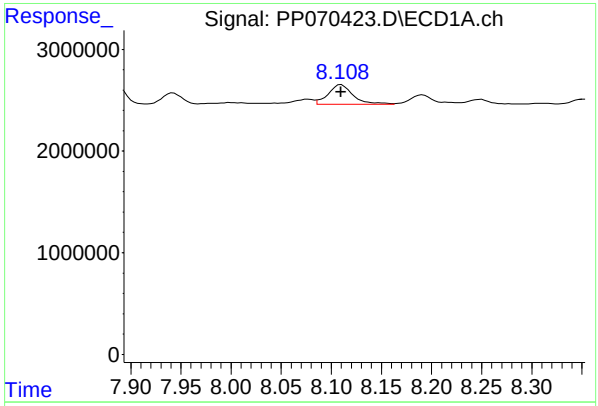
#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.000 min
Response: 3121384
Conc: 47.47 ng/ml



#33 AR-1260-3

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 2973566
Conc: 51.99 ng/ml



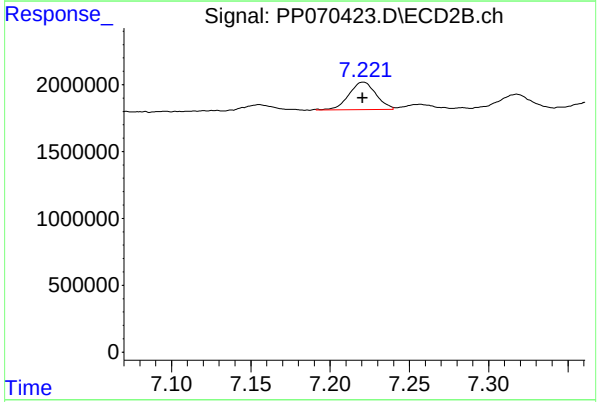
#34 AR-1260-4

R.T.: 8.110 min
Delta R.T.: 0.000 mi
Response: 3269147
Conc: 50.03 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

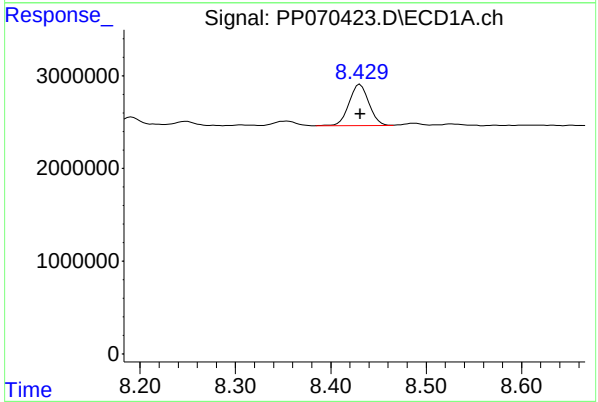
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



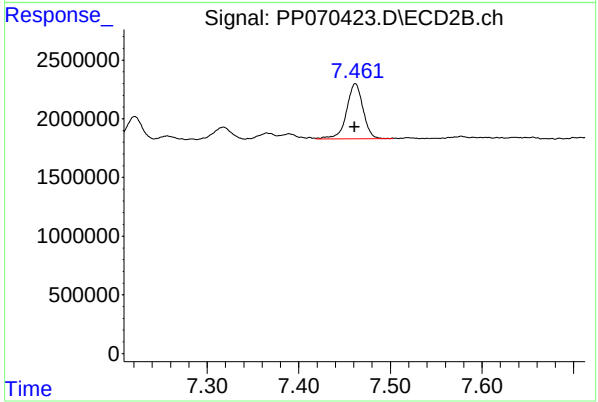
#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 2469332
Conc: 48.46 ng/ml m



#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.000 min
Response: 6538931
Conc: 47.84 ng/ml



#35 AR-1260-5

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 5868129
Conc: 45.42 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:34
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 11 21:54:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:54:12 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...	4.527	3.829	85559870	52860952	50.000	50.000
2)	SA Decachlor...	10.253	8.882	57800559	48491420	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.728	4.040	9970034	7441268	500.000	500.000
9)	L2 AR-1221-2	4.814	4.127	7304344	5714551	500.000	500.000
10)	L2 AR-1221-3	4.889	4.203	22182343	16710871	500.000	500.000

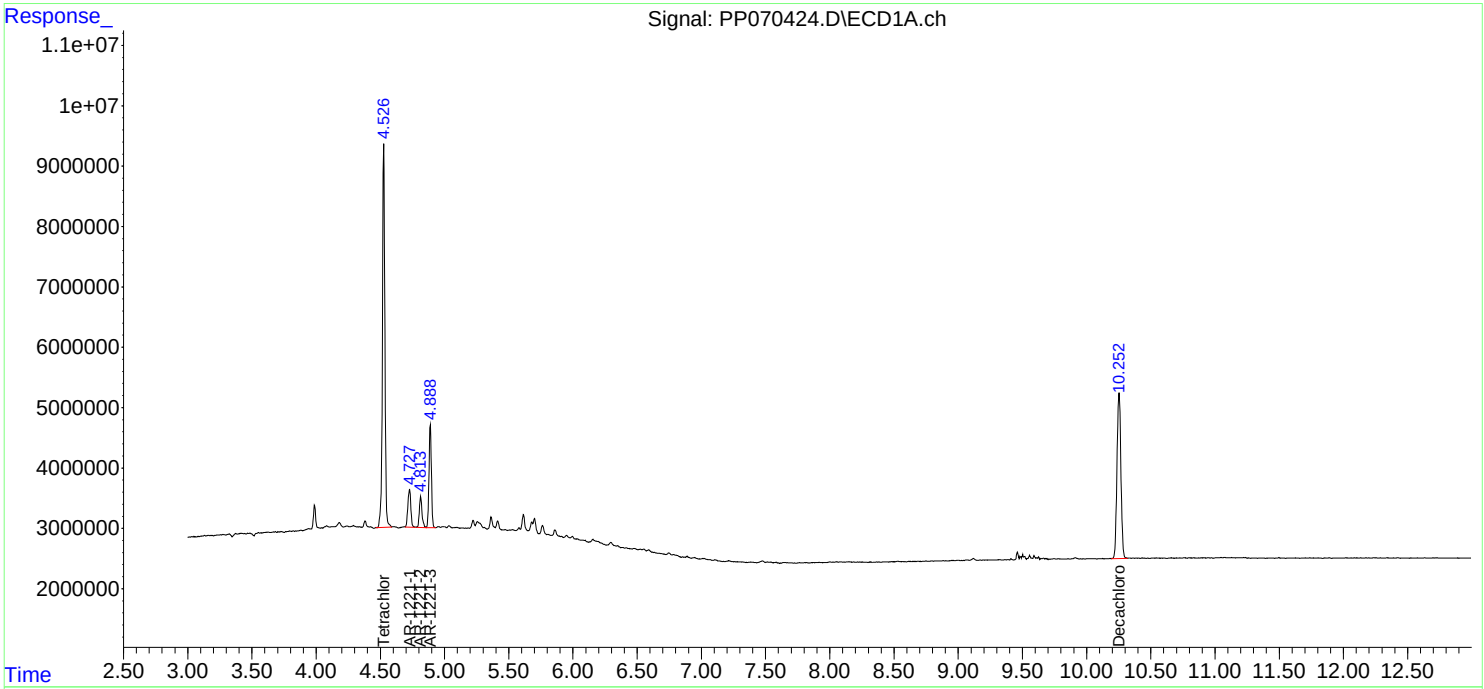
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

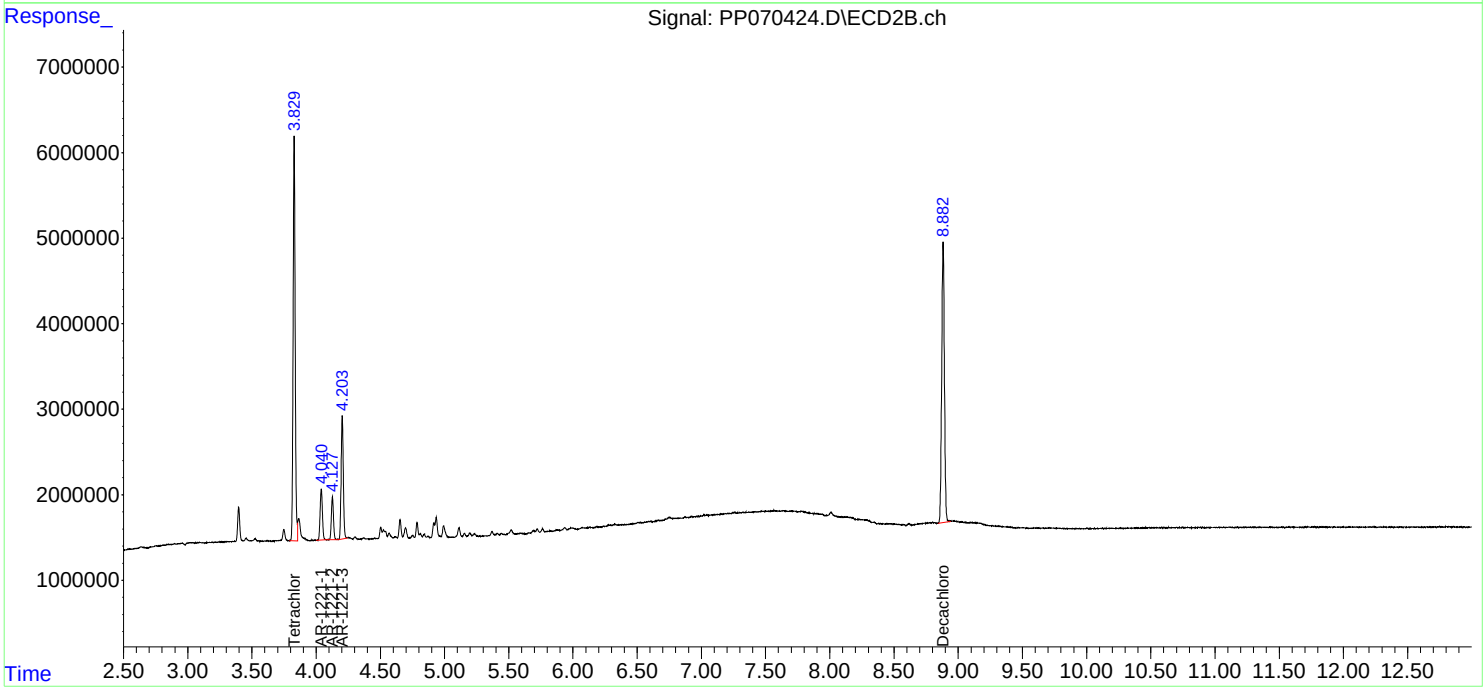
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:34
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

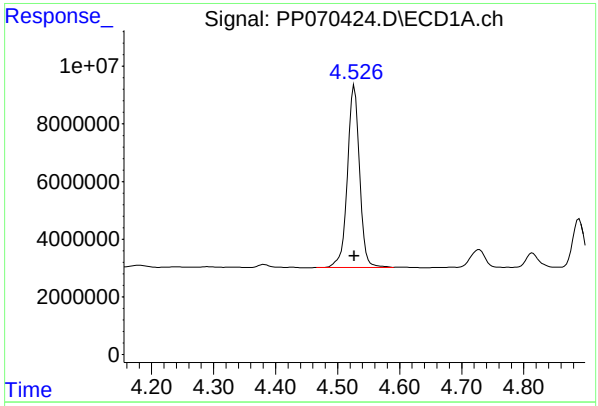
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:54:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:54:12 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



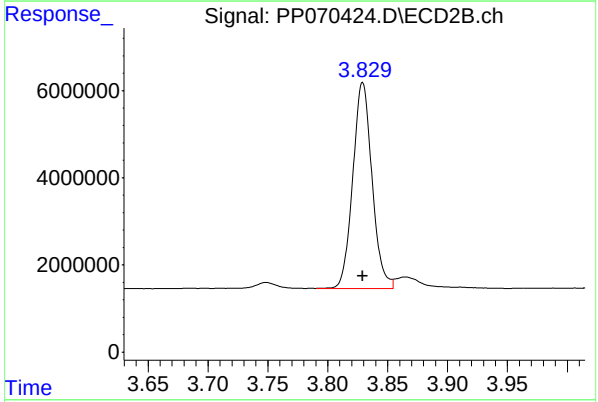




#1 Tetrachloro-m-xylene

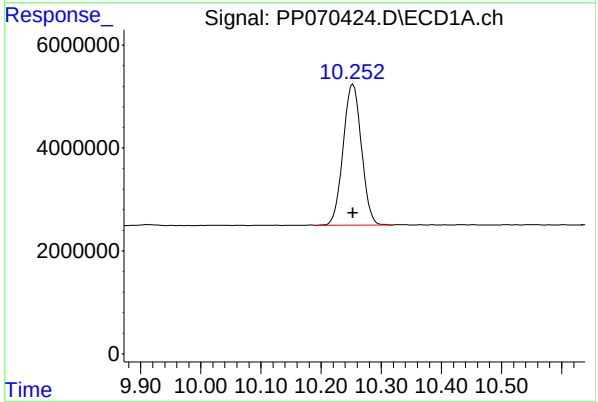
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 85559870
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



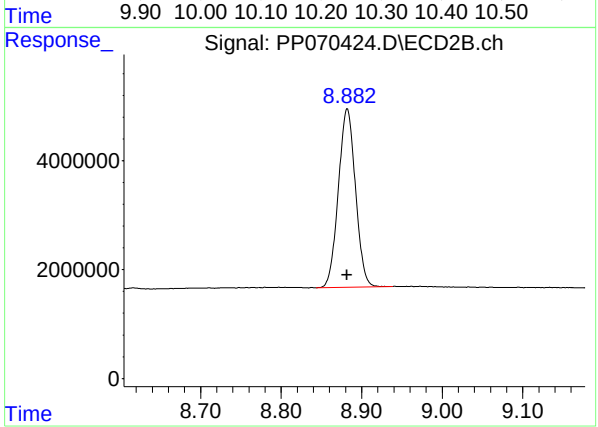
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 52860952
Conc: 50.00 ng/ml



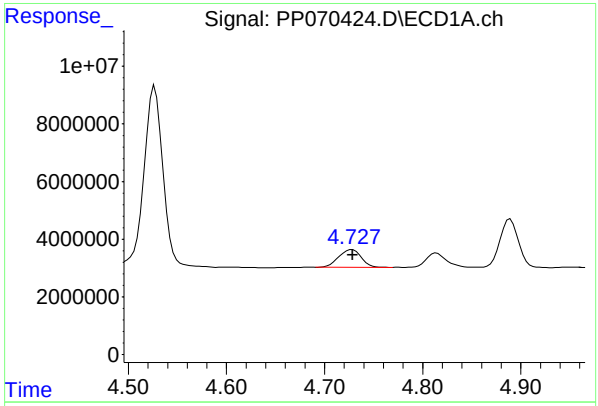
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 57800559
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

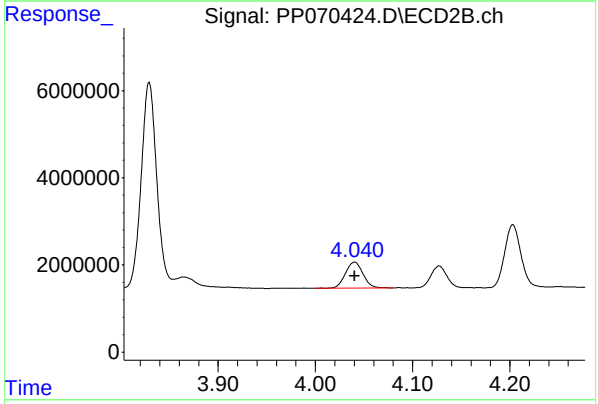
R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 48491420
Conc: 50.00 ng/ml



#8 AR-1221-1

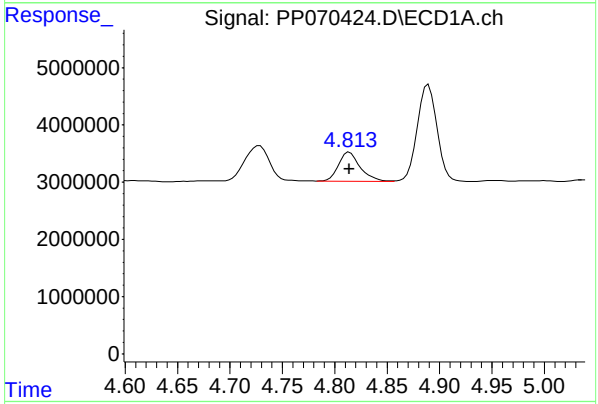
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 9970034
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



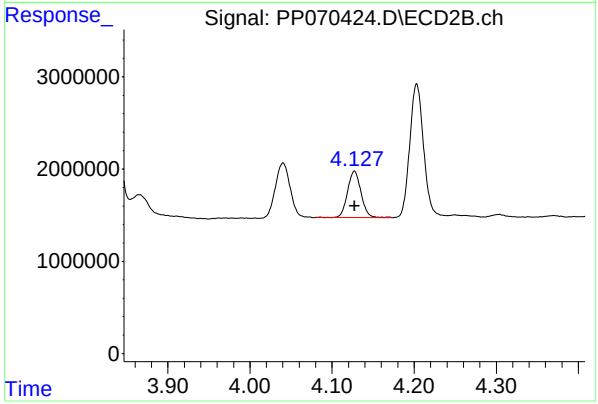
#8 AR-1221-1

R.T.: 4.040 min
Delta R.T.: 0.000 min
Response: 7441268
Conc: 500.00 ng/ml



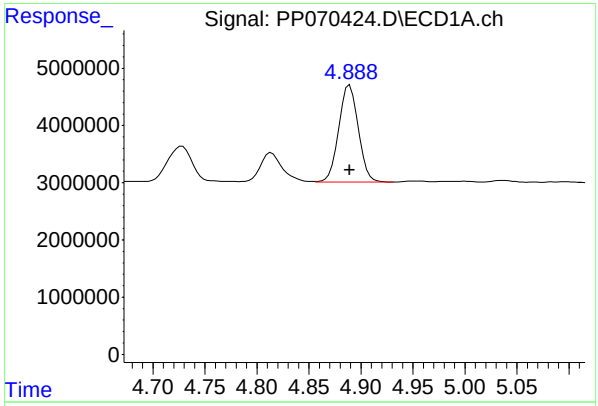
#9 AR-1221-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 7304344
Conc: 500.00 ng/ml



#9 AR-1221-2

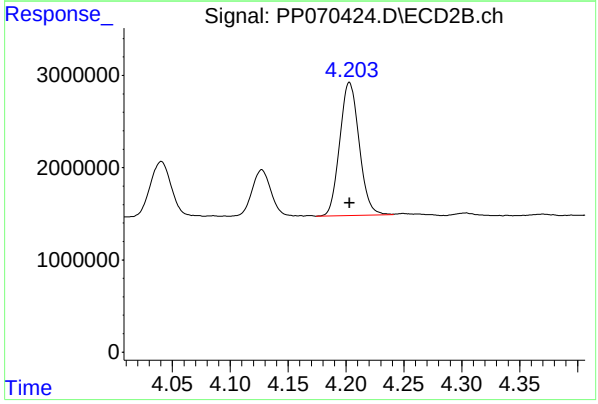
R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 5714551
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.889 min
Delta R.T.: 0.000 min
Response: 22182343
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.203 min
Delta R.T.: 0.000 min
Response: 16710871
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:51
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:59:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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...	4.525	3.828	150.4E6	98129431	92.351	95.548
2)	SA Decachlor...	10.253	8.882	100.7E6	92359197	90.743	95.702
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.202	31812517	23977464	913.736	926.616
12)	L3 AR-1232-2	5.413	4.935	16331114	23409194	922.165	929.728
13)	L3 AR-1232-3	5.699	5.112	33685372	12864968	894.673	935.420
14)	L3 AR-1232-4	5.859	5.197	17112653	10909254	906.329	934.217
15)	L3 AR-1232-5	5.949	5.369	12358074	12122932	908.882	928.836

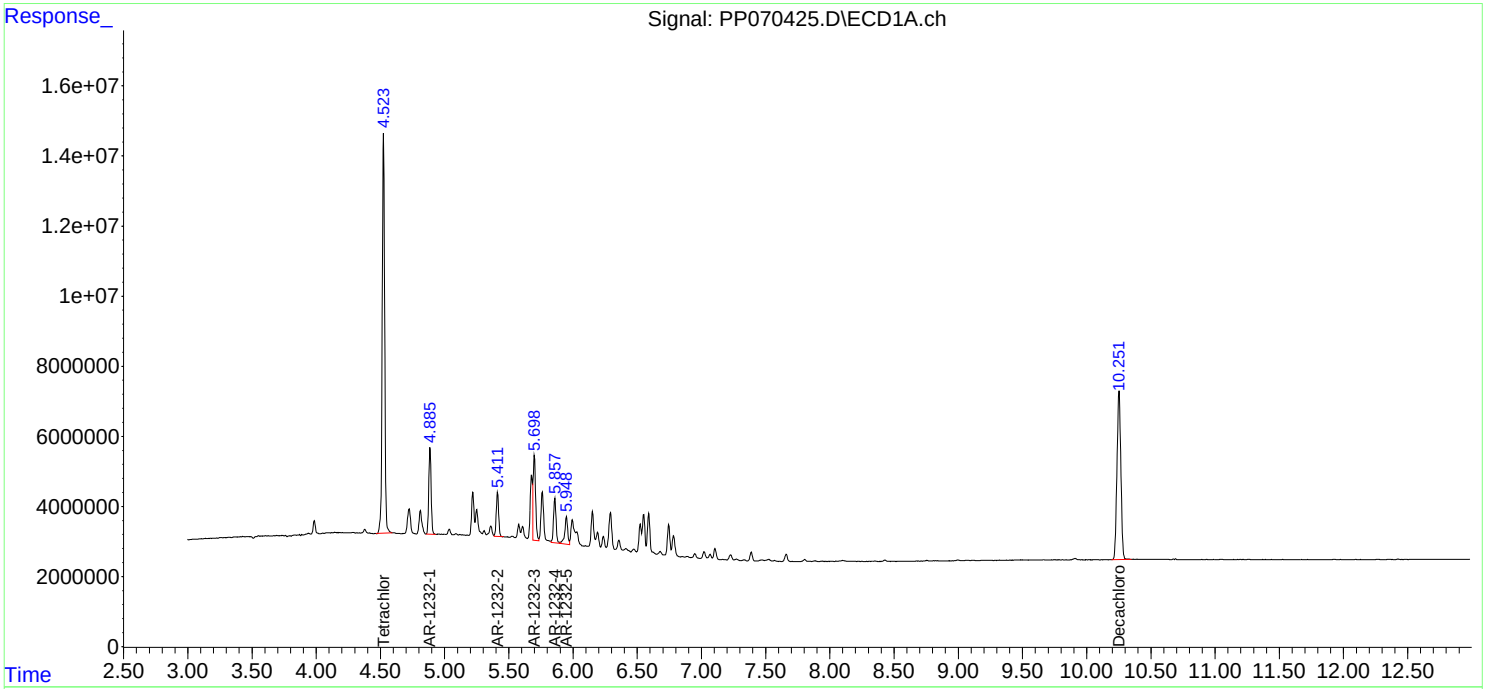
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

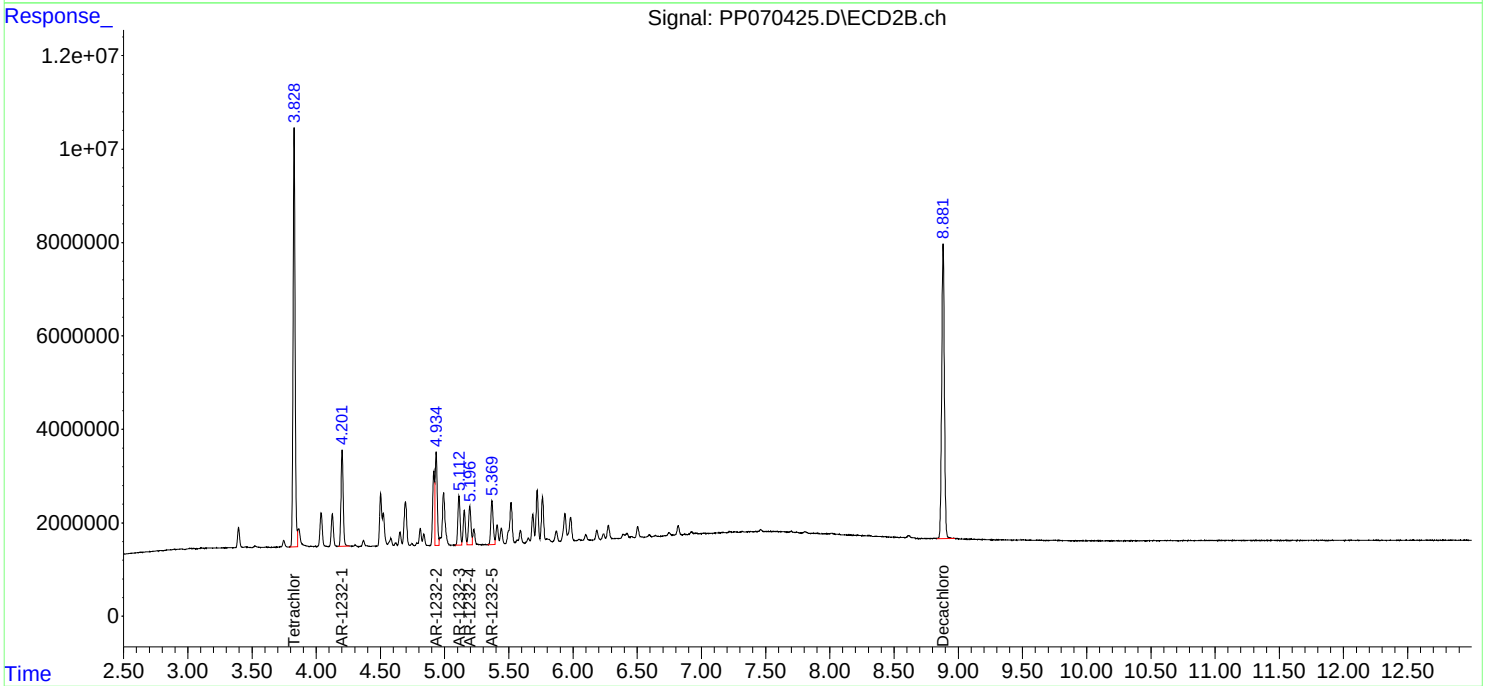
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:51
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

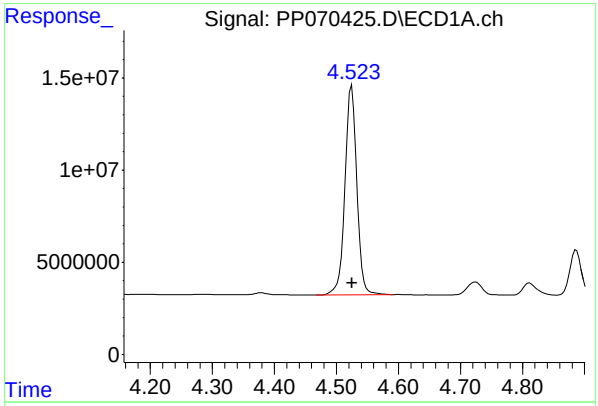
Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:59:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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



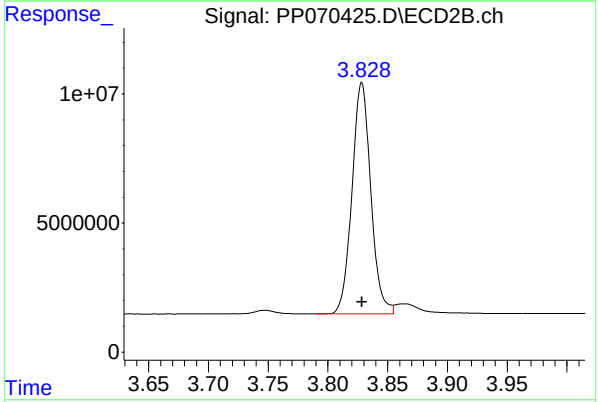




#1 Tetrachloro-m-xylene

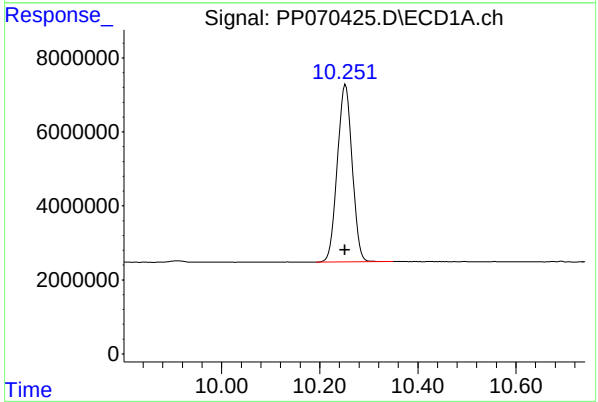
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 150387044
Conc: 92.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



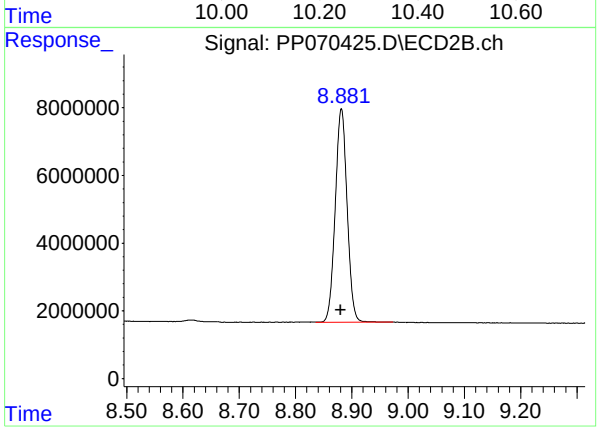
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 98129431
Conc: 95.55 ng/ml



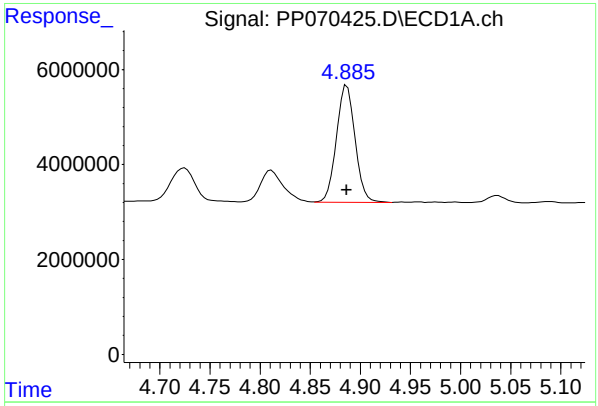
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.001 min
Response: 100734664
Conc: 90.74 ng/ml



#2 Decachlorobiphenyl

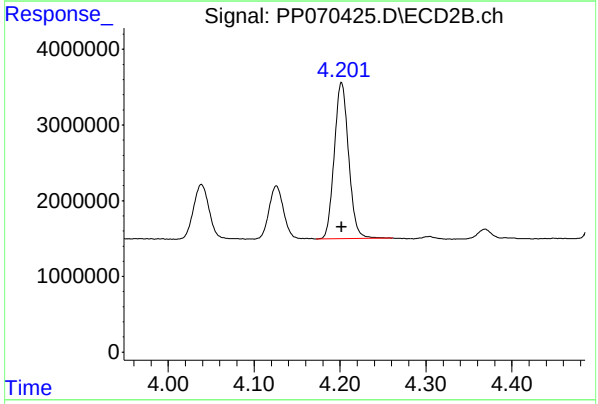
R.T.: 8.882 min
Delta R.T.: 0.001 min
Response: 92359197
Conc: 95.70 ng/ml



#11 AR-1232-1

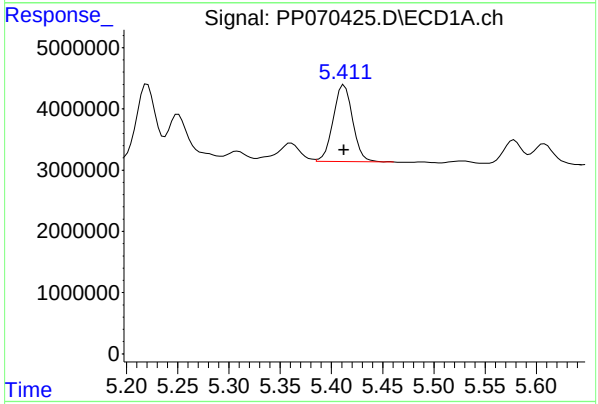
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 31812517
Conc: 913.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



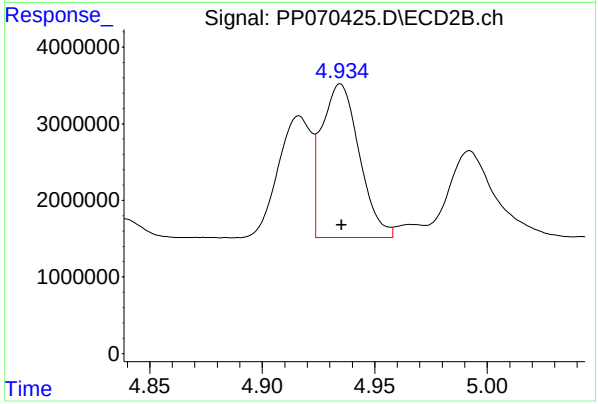
#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 23977464
Conc: 926.62 ng/ml



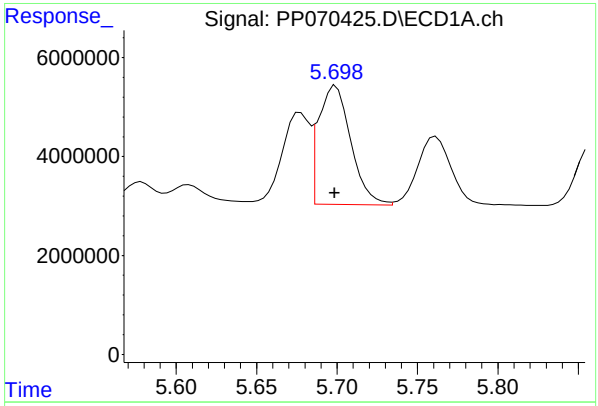
#12 AR-1232-2

R.T.: 5.413 min
Delta R.T.: 0.000 min
Response: 16331114
Conc: 922.17 ng/ml



#12 AR-1232-2

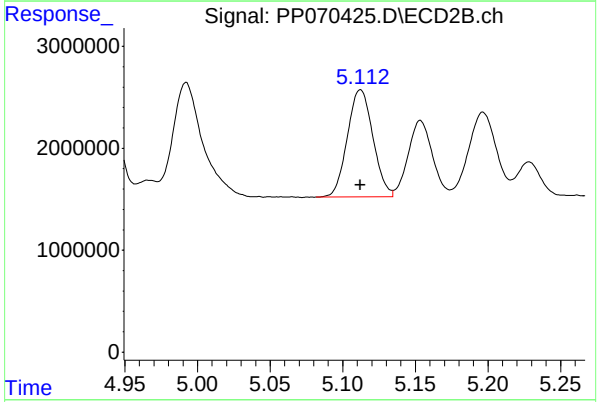
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 23409194
Conc: 929.73 ng/ml



#13 AR-1232-3

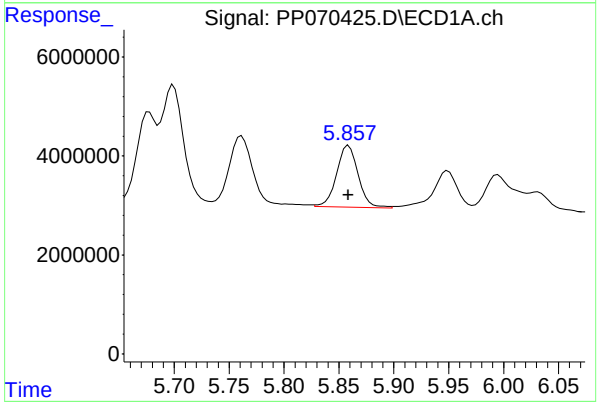
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 33685372
Conc: 894.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



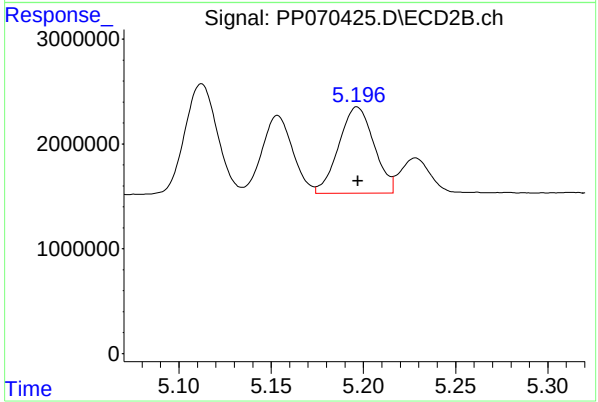
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 12864968
Conc: 935.42 ng/ml



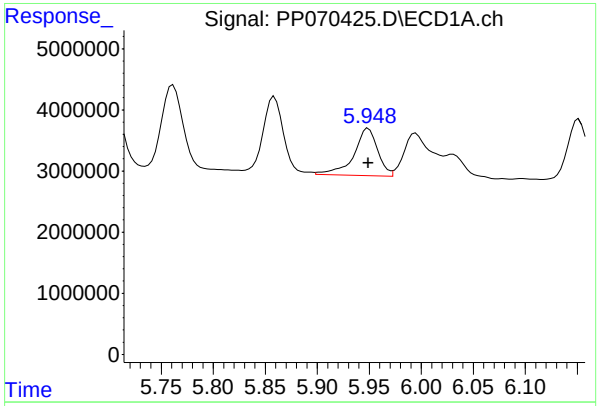
#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 17112653
Conc: 906.33 ng/ml



#14 AR-1232-4

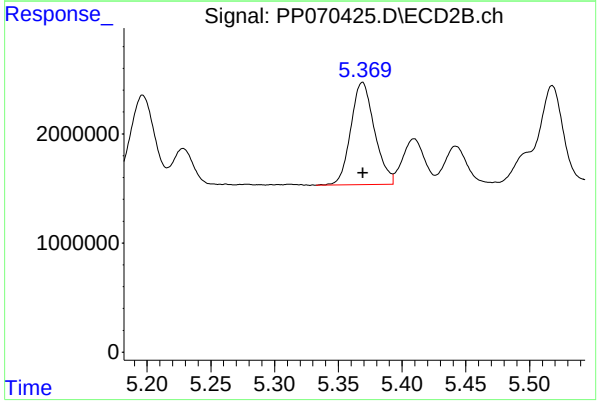
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 10909254
Conc: 934.22 ng/ml



#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 12358074
Conc: 908.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 12122932
Conc: 928.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:07
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:59:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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...	4.525	3.829	119.1E6	76777406	73.123	74.758
2)	SA Decachlor...	10.252	8.882	79622540	70086455	71.725	72.623
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.203	25057001	18782891	719.701	725.871
12)	L3 AR-1232-2	5.413	4.936	13025946	18111440	735.533	719.320
13)	L3 AR-1232-3	5.699	5.113	26404840	9838434	701.304	715.359
14)	L3 AR-1232-4	5.859	5.198	13655959	8320666	723.254	712.542
15)	L3 AR-1232-5	5.949	5.370	9764505	9497409	718.137	727.673

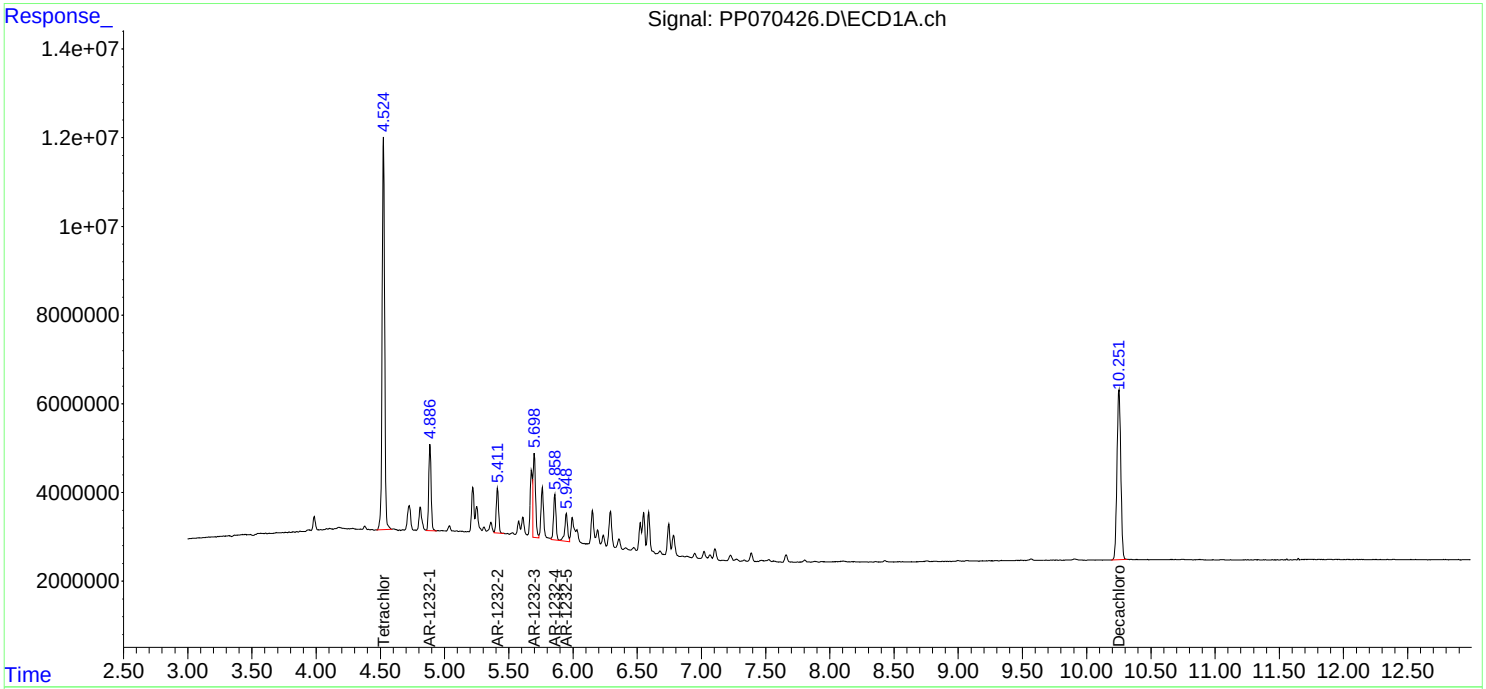
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

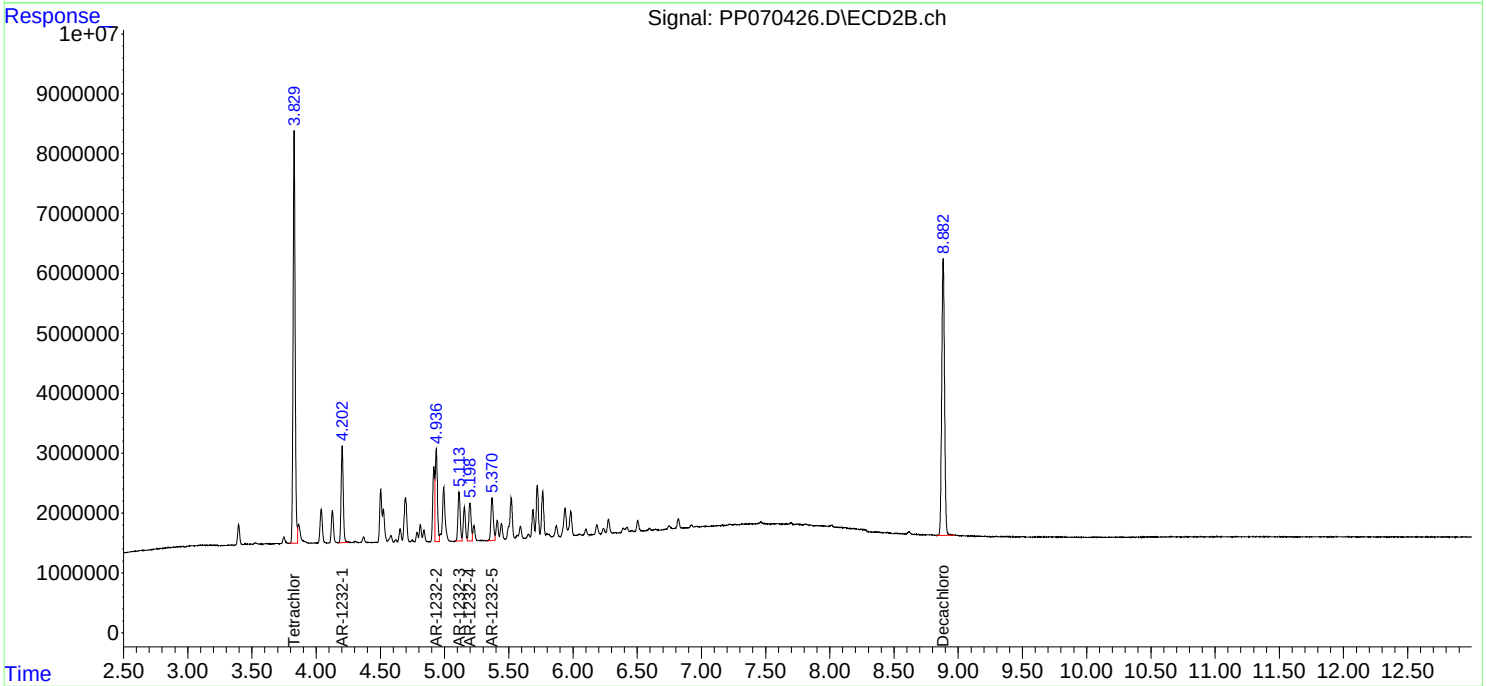
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:07
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

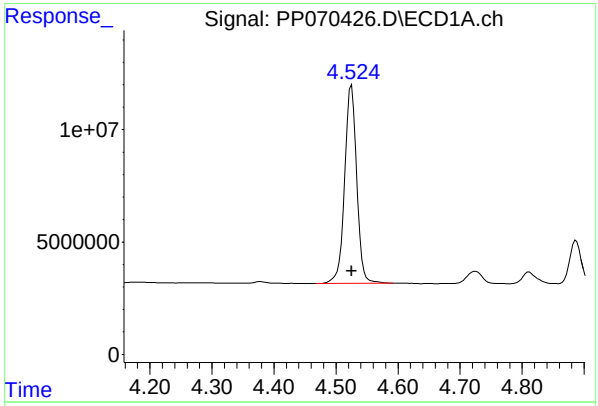
Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:59:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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



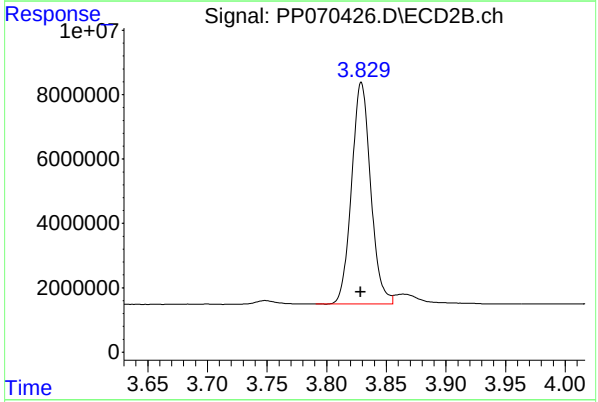




#1 Tetrachloro-m-xylene

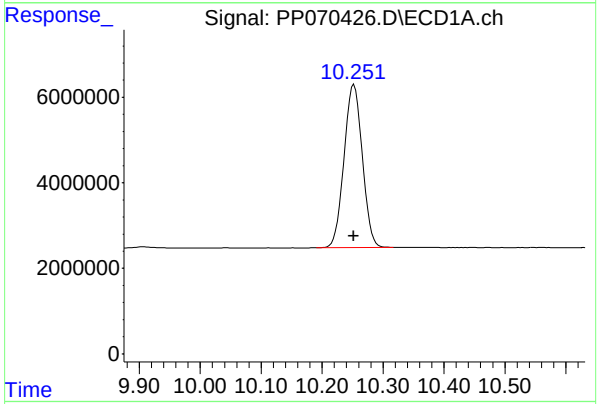
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 119075512
Conc: 73.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



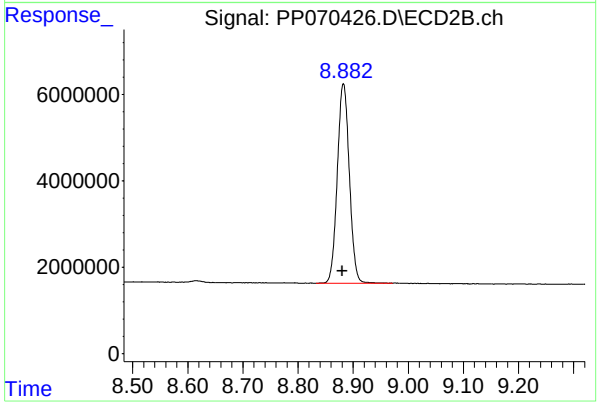
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 76777406
Conc: 74.76 ng/ml



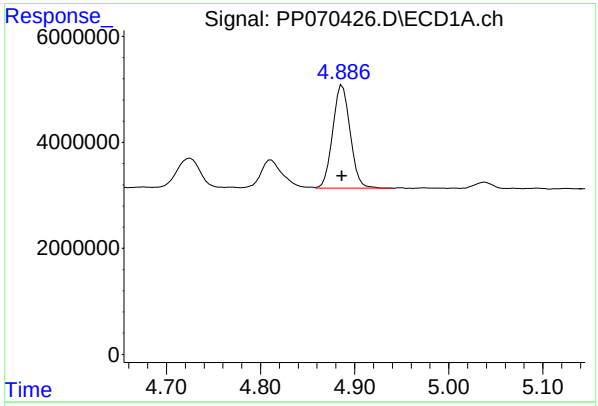
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 79622540
Conc: 71.72 ng/ml



#2 Decachlorobiphenyl

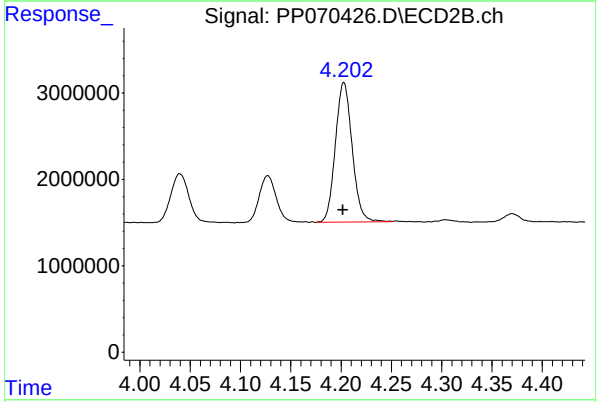
R.T.: 8.882 min
Delta R.T.: 0.002 min
Response: 70086455
Conc: 72.62 ng/ml



#11 AR-1232-1

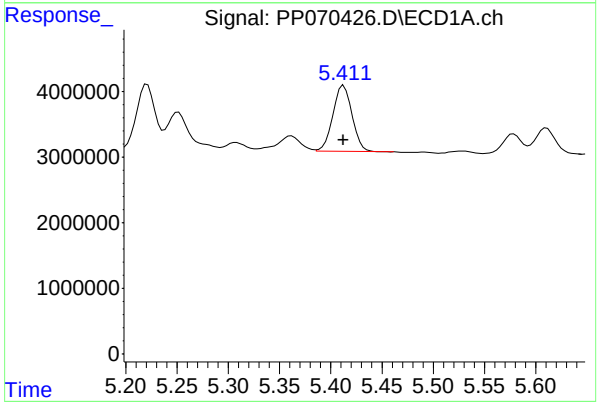
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 25057001
Conc: 719.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



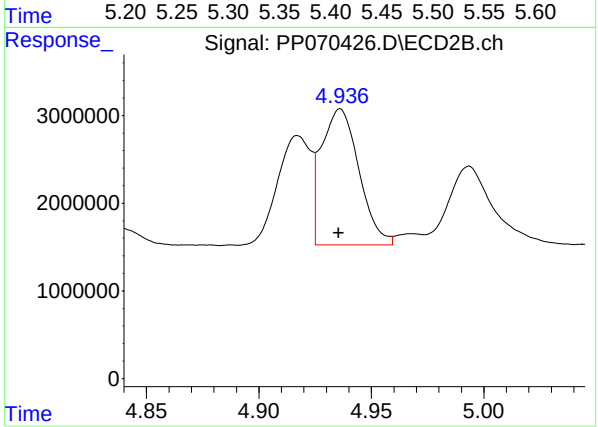
#11 AR-1232-1

R.T.: 4.203 min
Delta R.T.: 0.000 min
Response: 18782891
Conc: 725.87 ng/ml



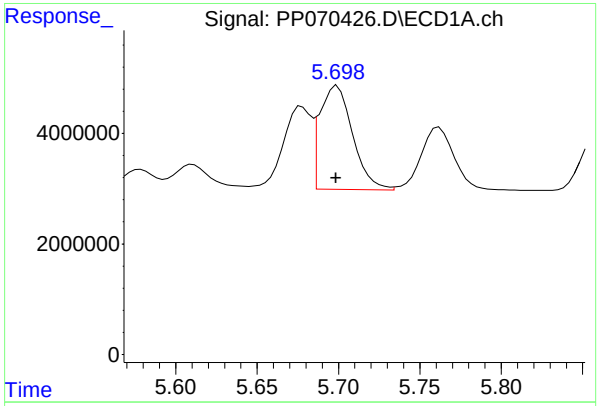
#12 AR-1232-2

R.T.: 5.413 min
Delta R.T.: 0.000 min
Response: 13025946
Conc: 735.53 ng/ml



#12 AR-1232-2

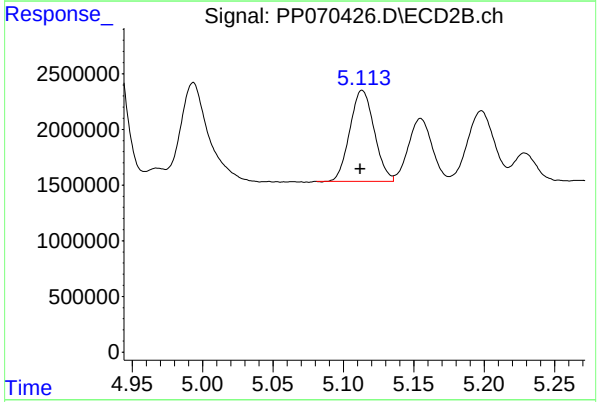
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 18111440
Conc: 719.32 ng/ml



#13 AR-1232-3

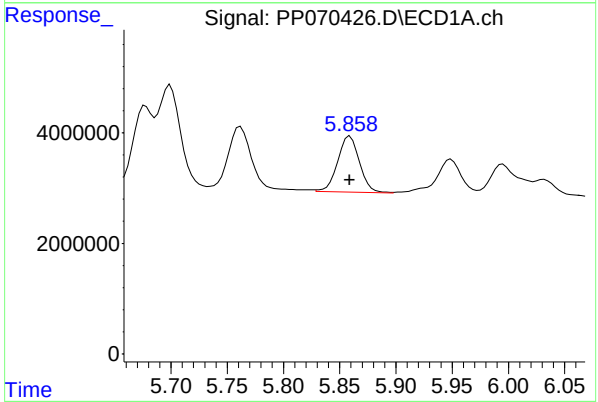
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 26404840
Conc: 701.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



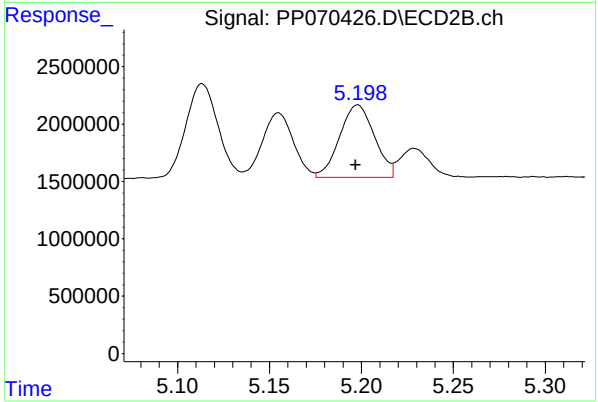
#13 AR-1232-3

R.T.: 5.113 min
Delta R.T.: 0.001 min
Response: 9838434
Conc: 715.36 ng/ml



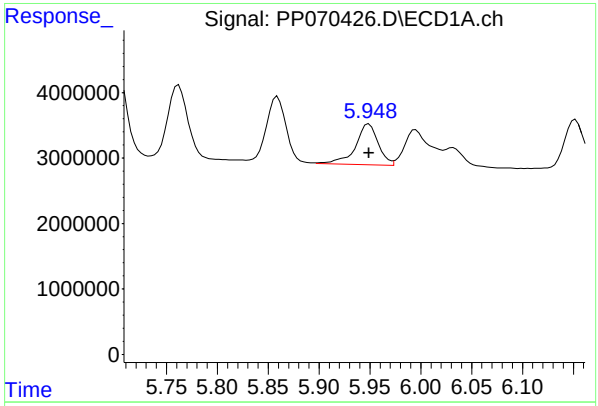
#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 13655959
Conc: 723.25 ng/ml



#14 AR-1232-4

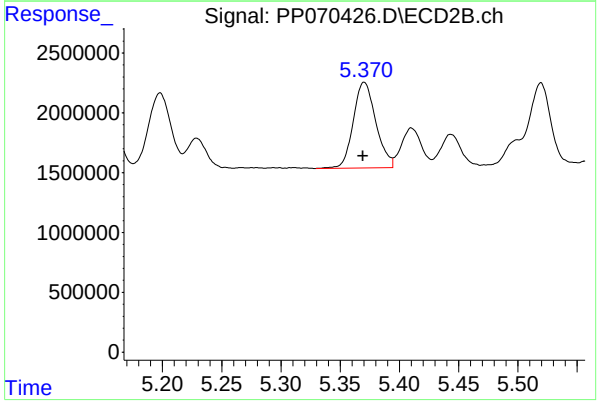
R.T.: 5.198 min
Delta R.T.: 0.001 min
Response: 8320666
Conc: 712.54 ng/ml



#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 9764505
Conc: 718.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



#15 AR-1232-5

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 9497409
Conc: 727.67 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:23
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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...	4.525	3.828	81421627	51350702	50.000	50.000
2)	SA Decachlor...	10.252	8.880	55505634	48253472	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.202	17407935	12938181	500.000	500.000
12)	L3 AR-1232-2	5.412	4.935	8854766	12589270	500.000	500.000
13)	L3 AR-1232-3	5.698	5.112	18825530	6876575	500.000	500.000
14)	L3 AR-1232-4	5.859	5.197	9440644	5838717	500.000	500.000
15)	L3 AR-1232-5	5.949	5.369	6798499	6525873	500.000	500.000

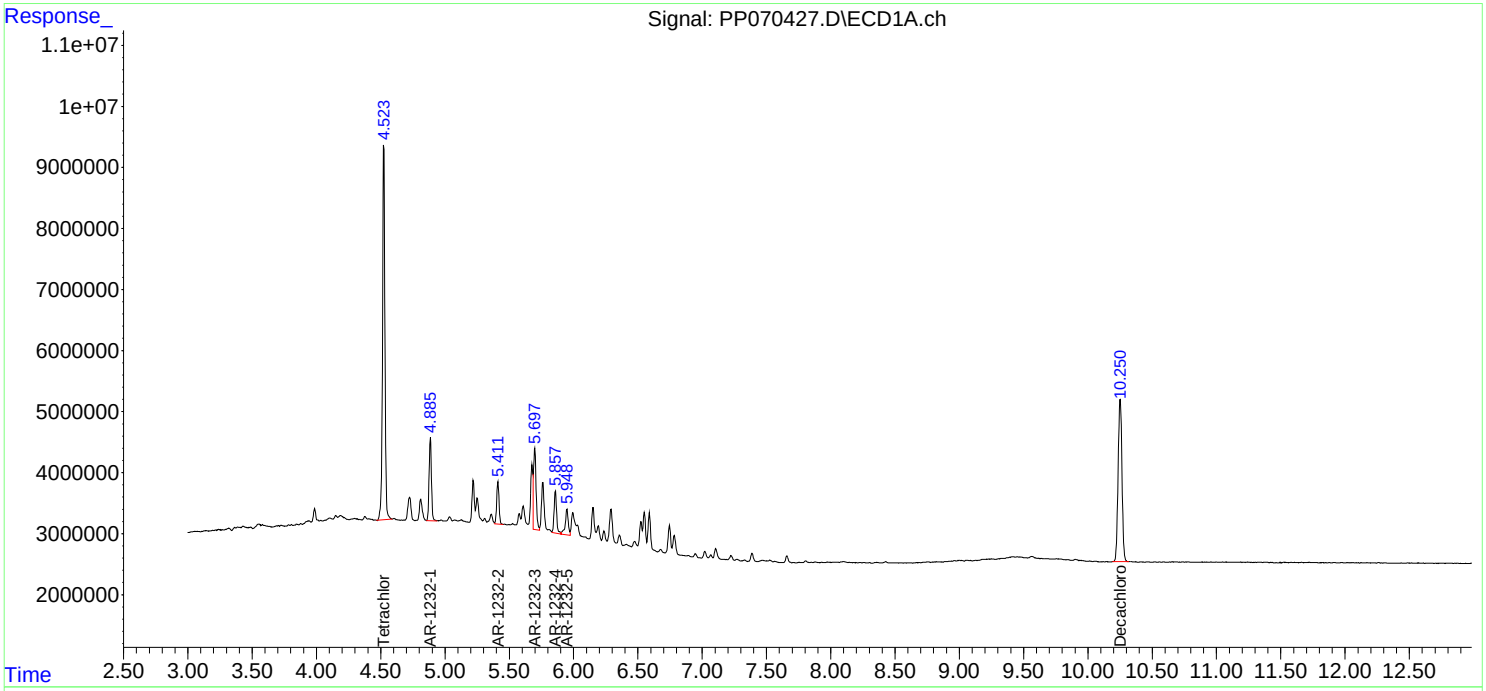
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

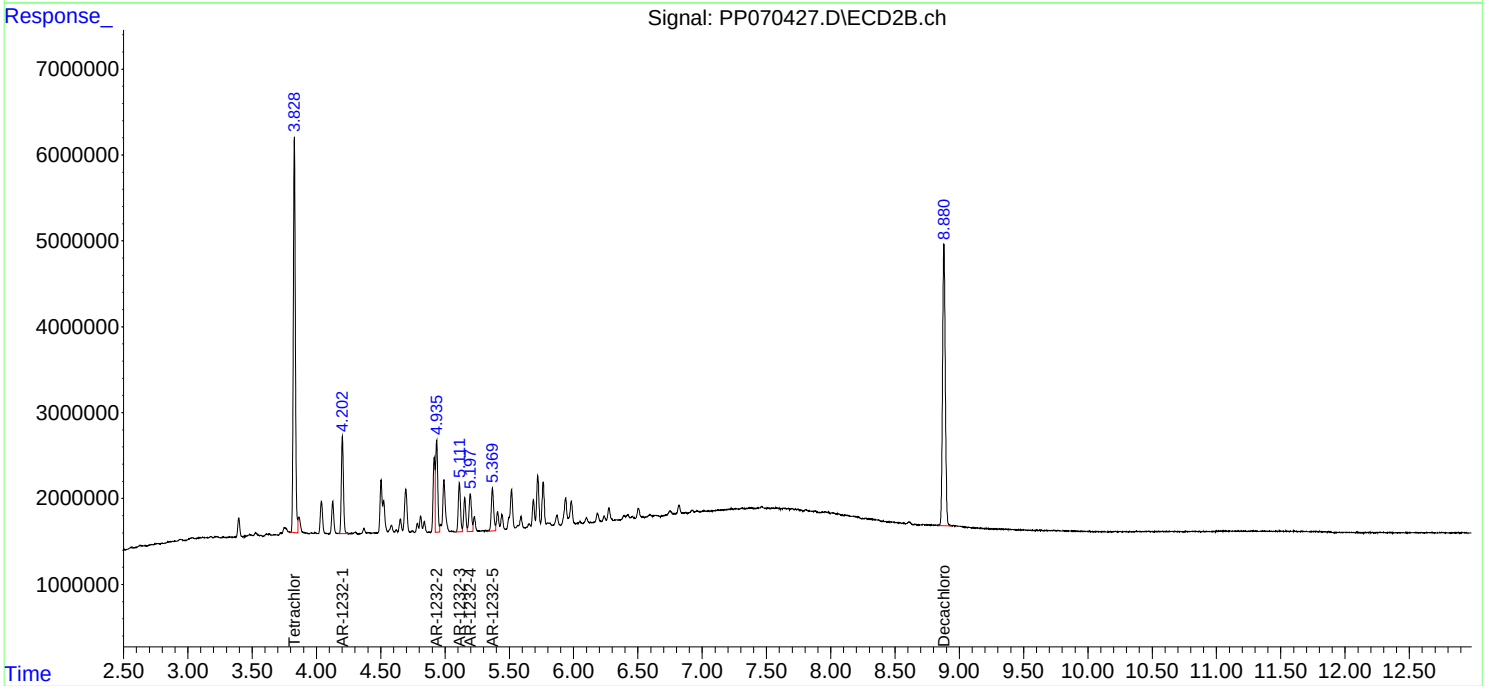
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:23
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

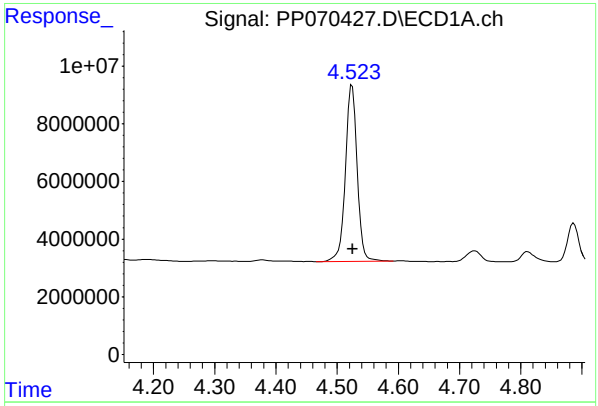
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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



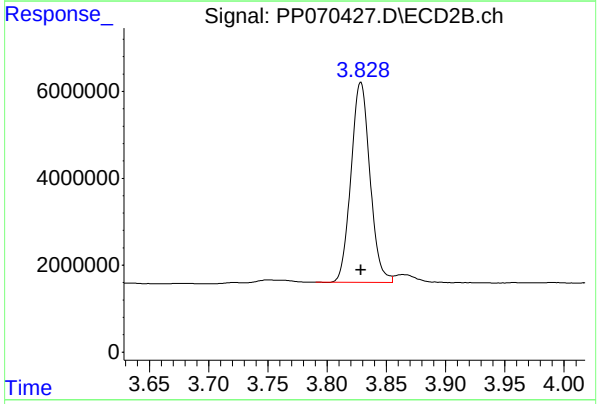




#1 Tetrachloro-m-xylene

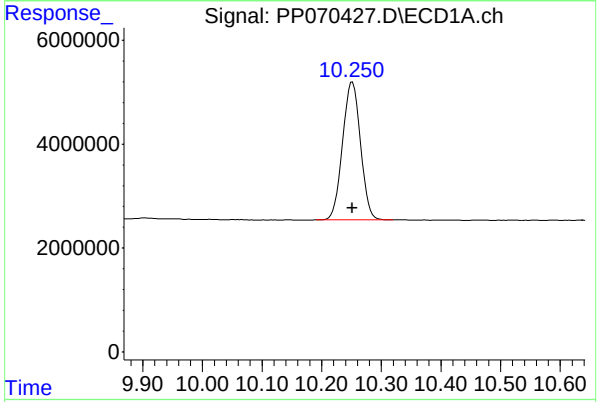
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81421627
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



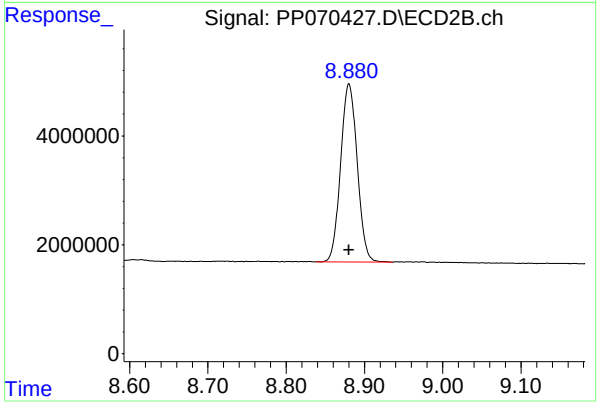
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51350702
Conc: 50.00 ng/ml



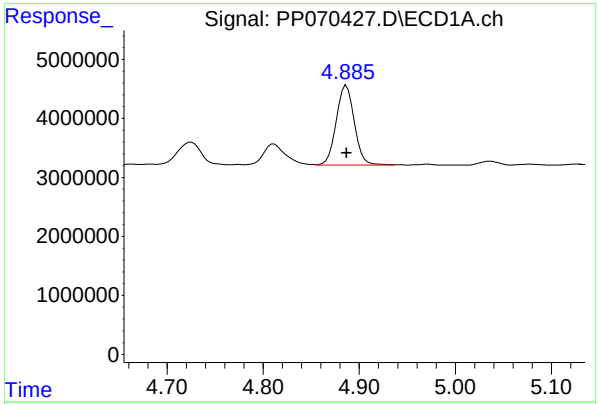
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 55505634
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

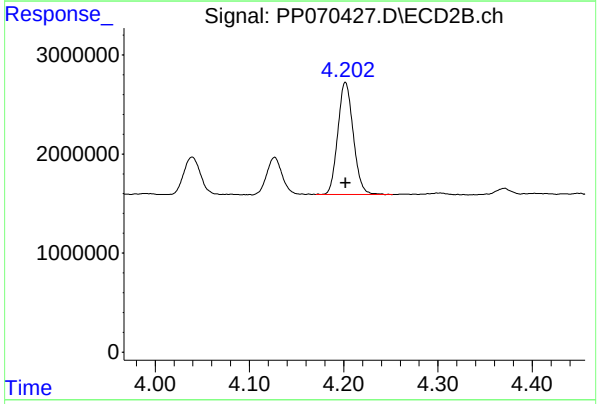
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 48253472
Conc: 50.00 ng/ml



#11 AR-1232-1

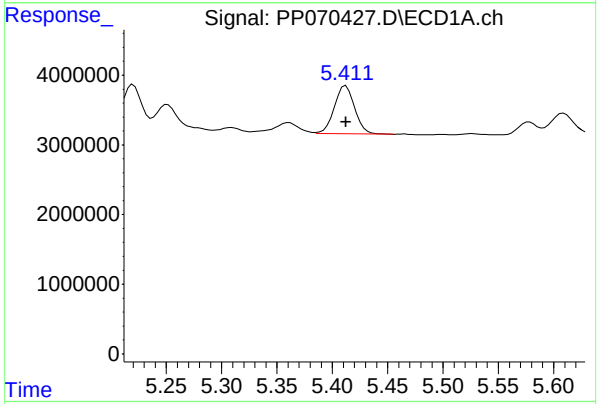
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 17407935
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



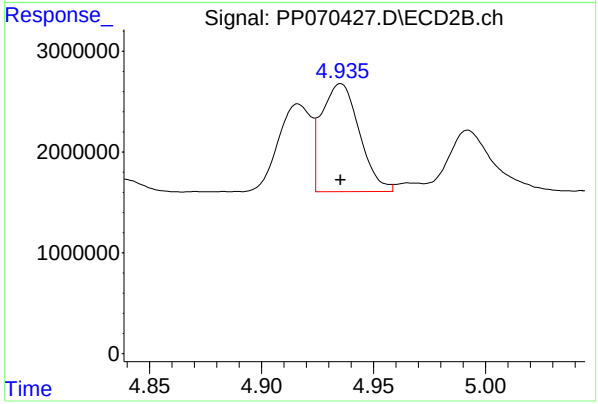
#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 12938181
Conc: 500.00 ng/ml



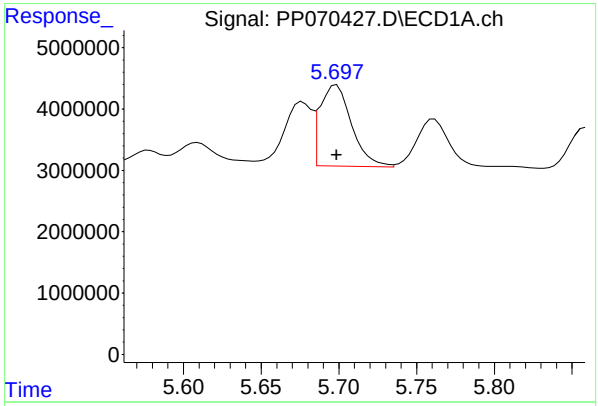
#12 AR-1232-2

R.T.: 5.412 min
Delta R.T.: 0.000 min
Response: 8854766
Conc: 500.00 ng/ml



#12 AR-1232-2

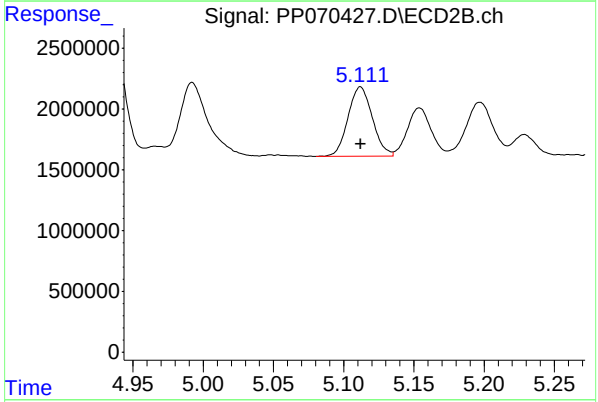
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 12589270
Conc: 500.00 ng/ml



#13 AR-1232-3

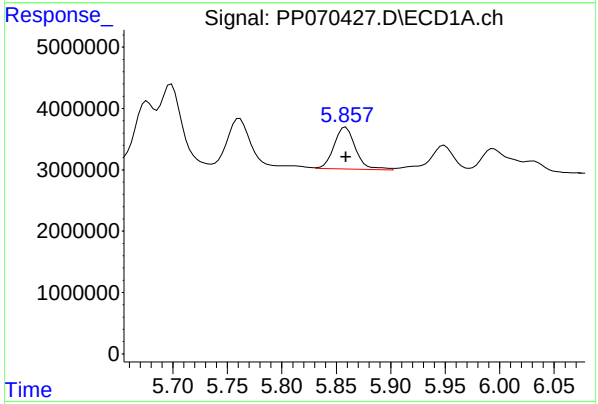
R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 18825530
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



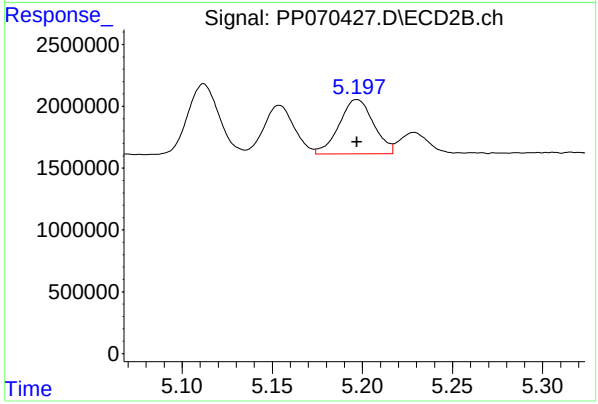
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6876575
Conc: 500.00 ng/ml



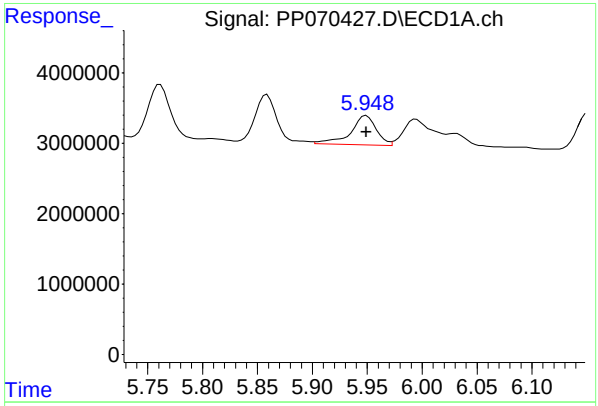
#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 9440644
Conc: 500.00 ng/ml



#14 AR-1232-4

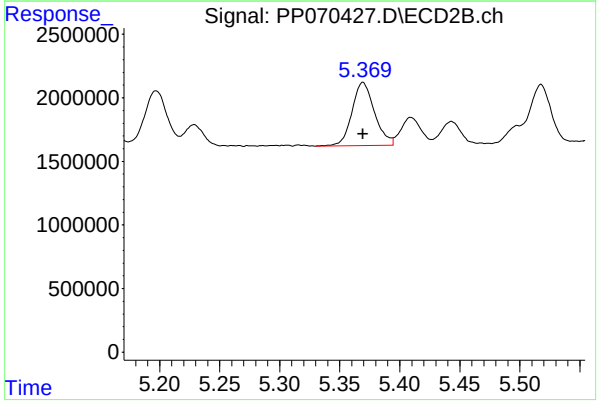
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 5838717
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 6798499
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 6525873
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:40
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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...	4.526	3.829	42110947	27566531	25.860	26.841
2)	SA Decachlor...	10.254	8.881	28765211	28286345	25.912	29.310
	Target Compounds						
11)	L3 AR-1232-1	4.888	4.202	9518147	7054654	273.385	272.629
12)	L3 AR-1232-2	5.414	4.935	4323493	6922424	244.134	274.933
13)	L3 AR-1232-3	5.700	5.112	9794735	3580147	260.145	260.315
14)	L3 AR-1232-4	5.861	5.196	5144985	3082888	272.491	264.004
15)	L3 AR-1232-5	5.949	5.369	2924140	3384658	215.058m	259.326

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:40
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

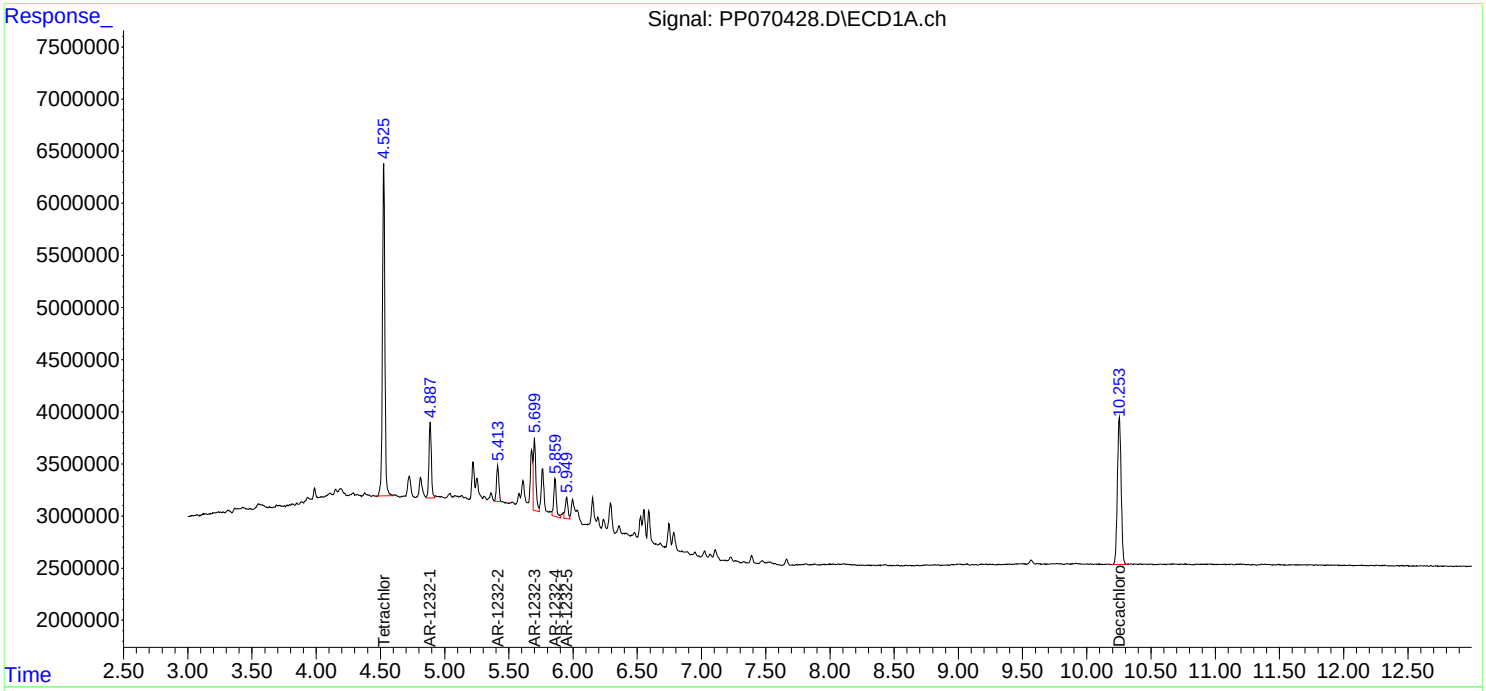
Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

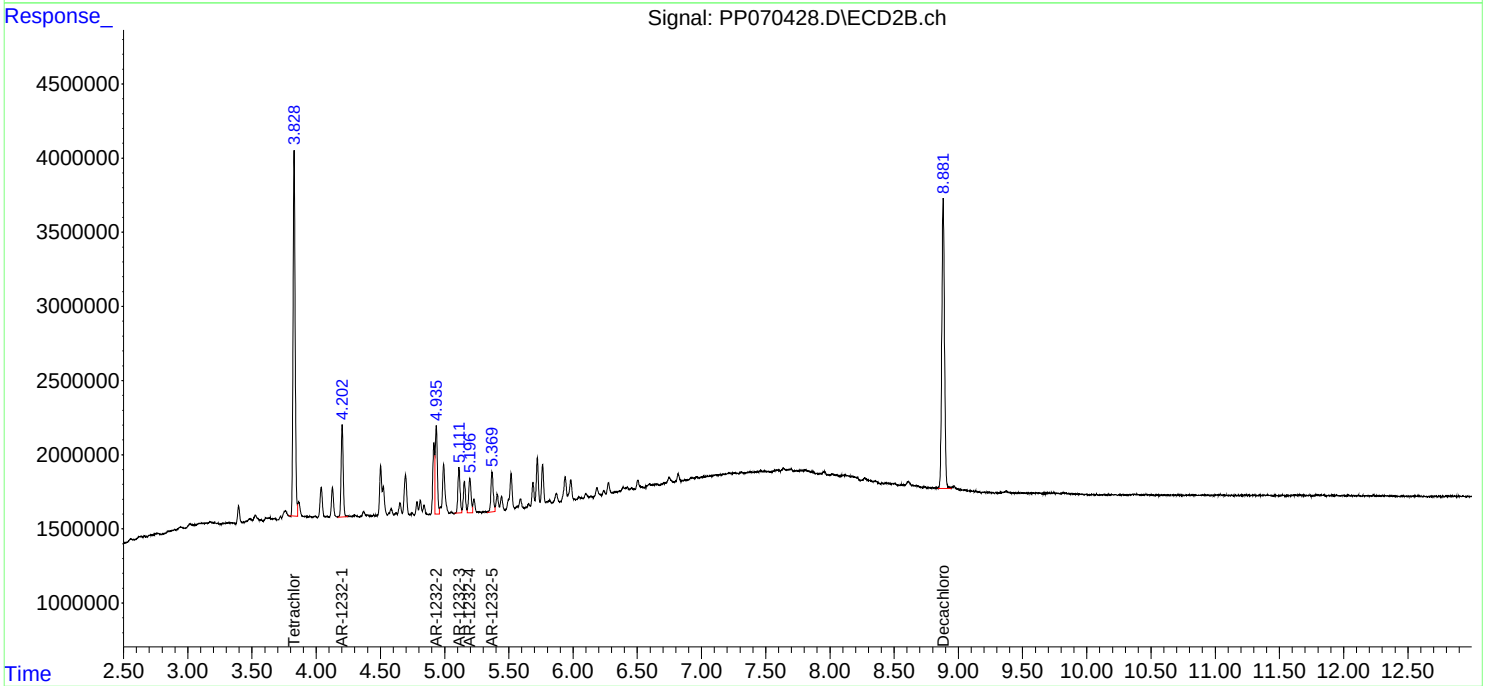
Manual Integrations APPROVED

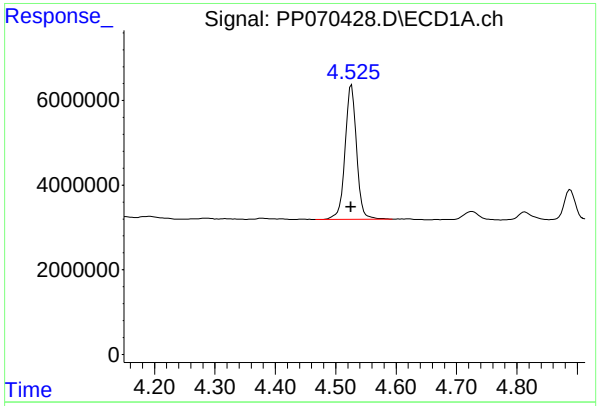
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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







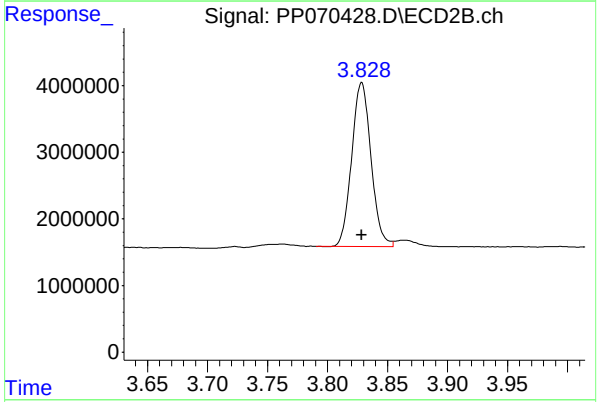
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 42110947
Conc: 25.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

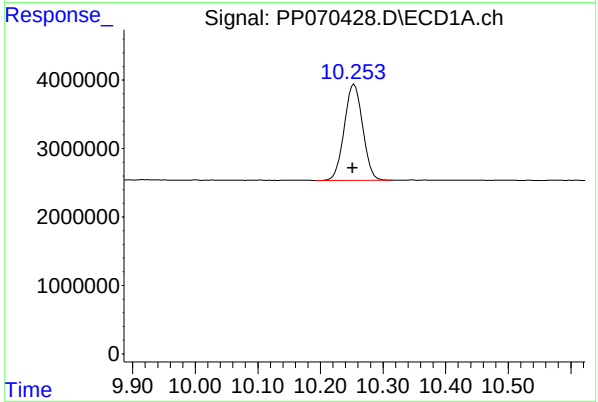
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



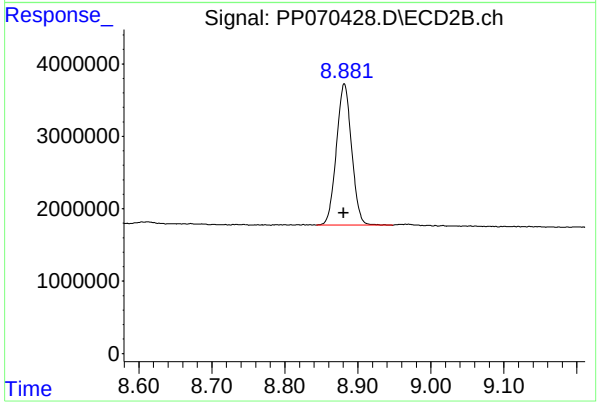
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 27566531
Conc: 26.84 ng/ml



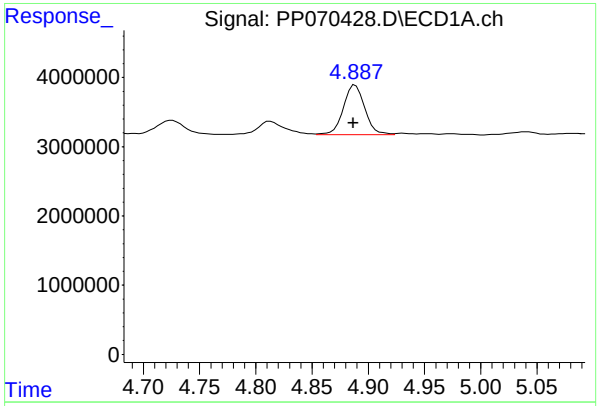
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.002 min
Response: 28765211
Conc: 25.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 28286345
Conc: 29.31 ng/ml



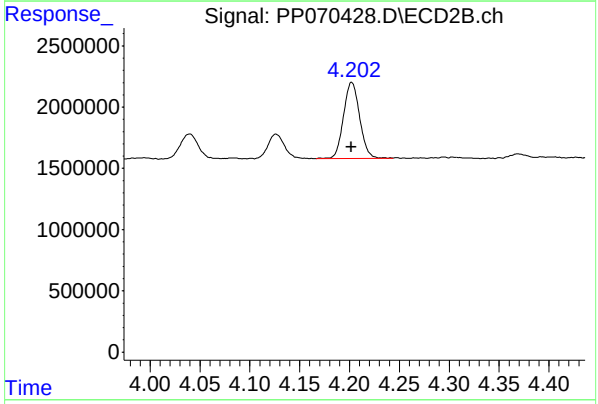
#11 AR-1232-1

R.T.: 4.888 min
Delta R.T.: 0.002 min
Response: 9518147
Conc: 273.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

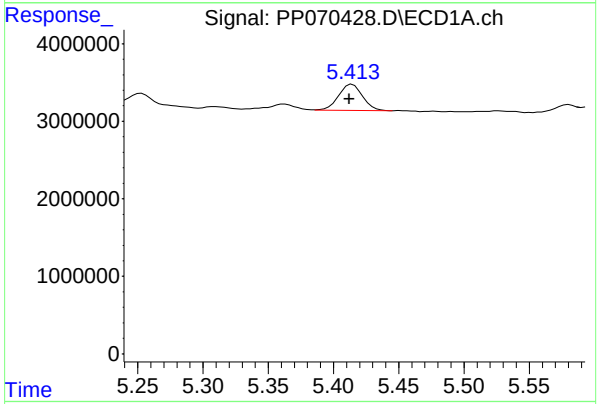
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



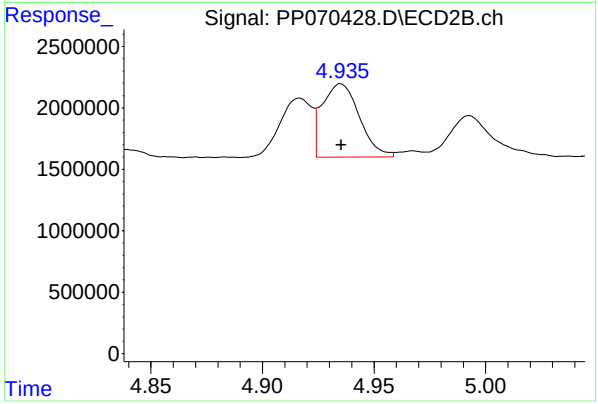
#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 7054654
Conc: 272.63 ng/ml



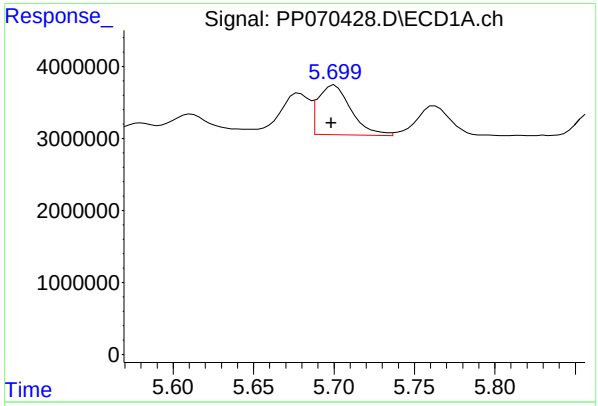
#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.002 min
Response: 4323493
Conc: 244.13 ng/ml



#12 AR-1232-2

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 6922424
Conc: 274.93 ng/ml



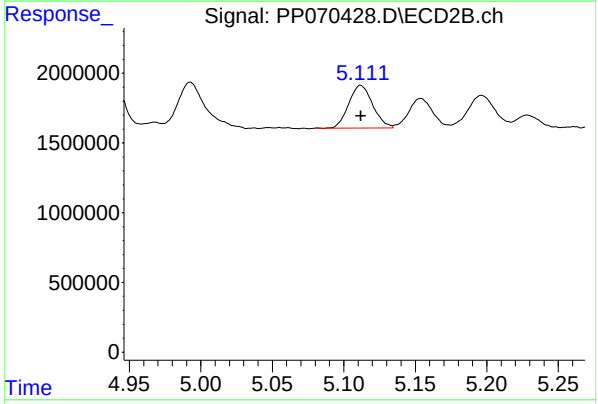
#13 AR-1232-3

R.T.: 5.700 min
Delta R.T.: 0.002 min
Response: 9794735
Conc: 260.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

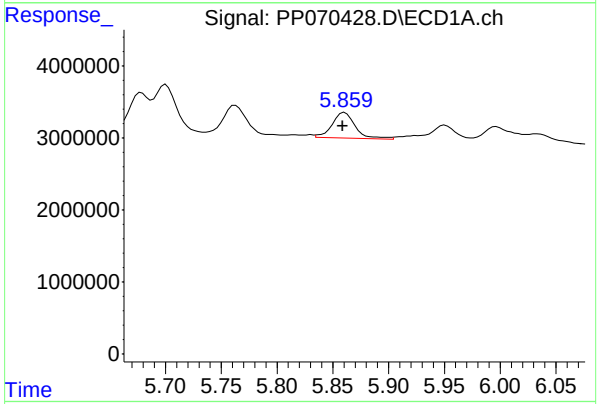
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



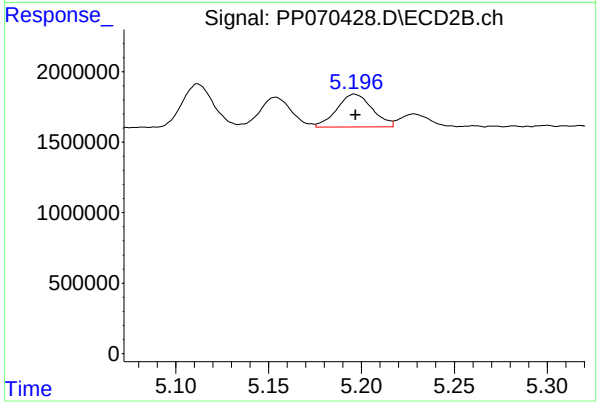
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 3580147
Conc: 260.31 ng/ml



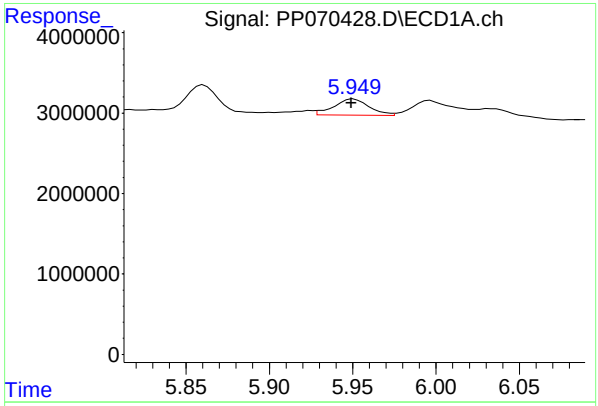
#14 AR-1232-4

R.T.: 5.861 min
Delta R.T.: 0.002 min
Response: 5144985
Conc: 272.49 ng/ml



#14 AR-1232-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 3082888
Conc: 264.00 ng/ml



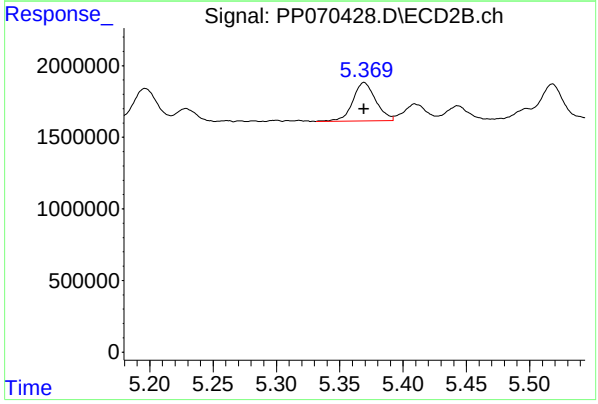
#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 2924140
Conc: 215.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 3384658
Conc: 259.33 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:56
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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...	4.526	3.828	7821901	5940731	4.803	5.784
2)	SA Decachlor...	10.255	8.881	5277277	5419163	4.754	5.615
	Target Compounds						
11)	L3 AR-1232-1	4.889	4.201	1983848	1421614	56.981	54.939m
12)	L3 AR-1232-2	5.414	4.934	781907	1431721	44.152m	56.863m#
13)	L3 AR-1232-3	5.701	5.112	1856332	799405	49.304m	58.125
14)	L3 AR-1232-4	5.859	5.196	1009484	627440	53.465m	53.731
15)	L3 AR-1232-5	5.943	5.367	707014	698174	51.998m	53.493m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:56
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

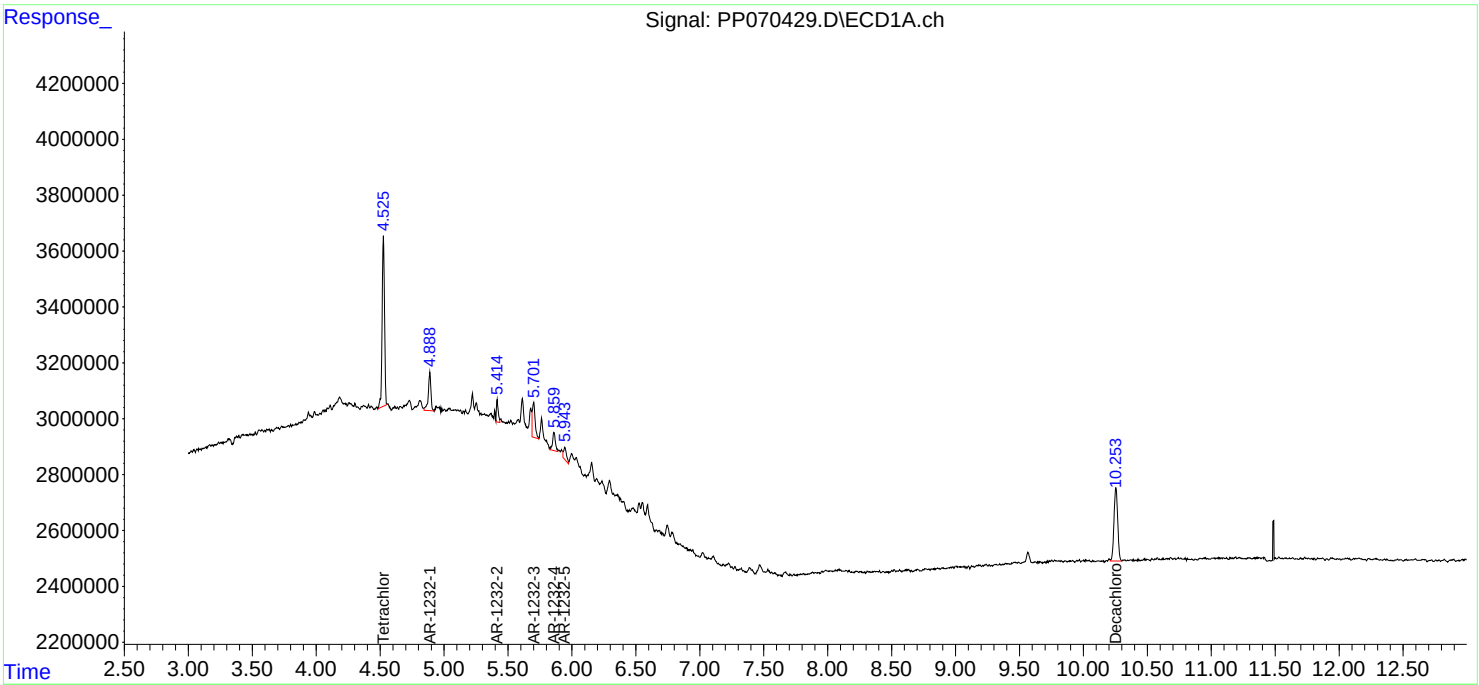
Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

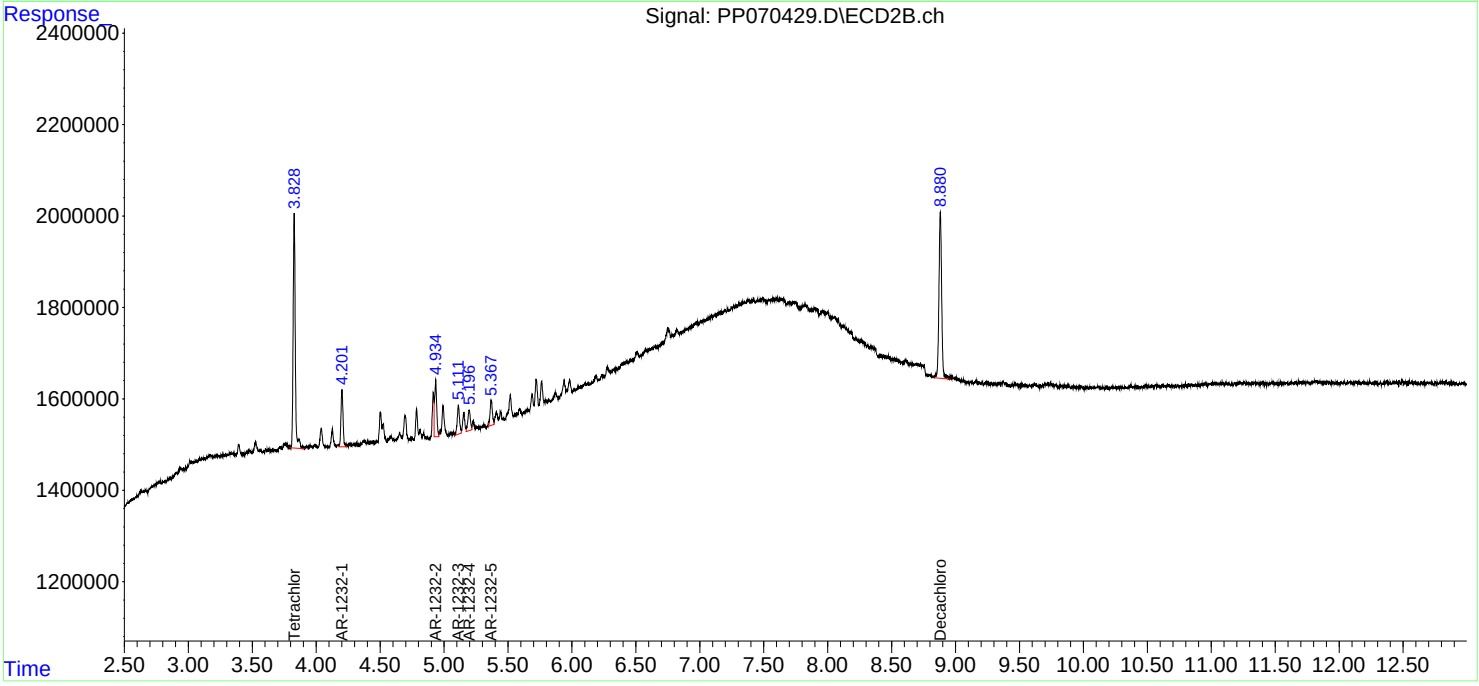
Manual Integrations APPROVED

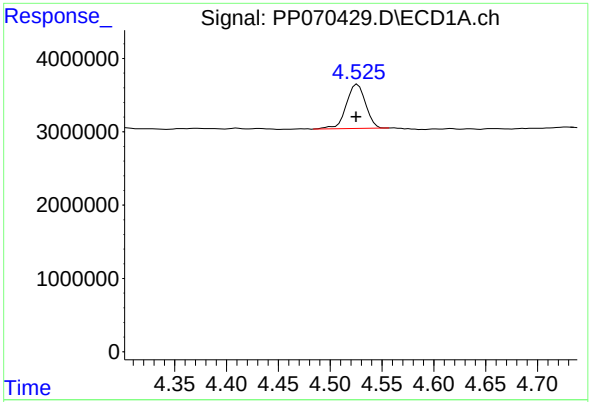
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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







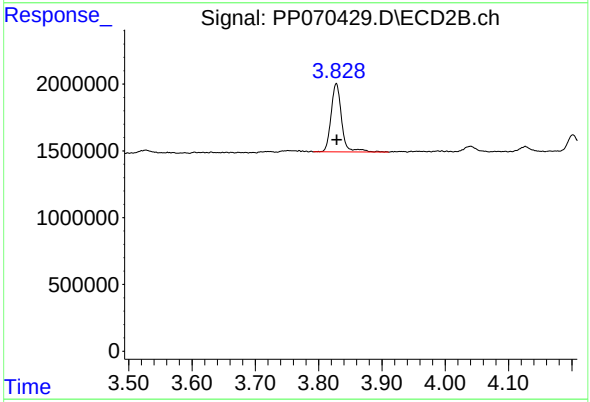
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 7821901
Conc: 4.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

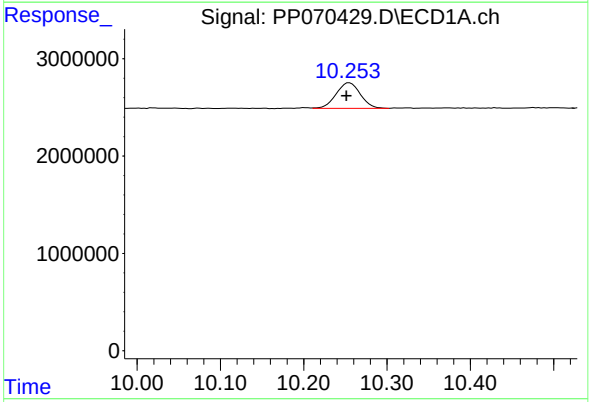
Manual Integrations APPROVED

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



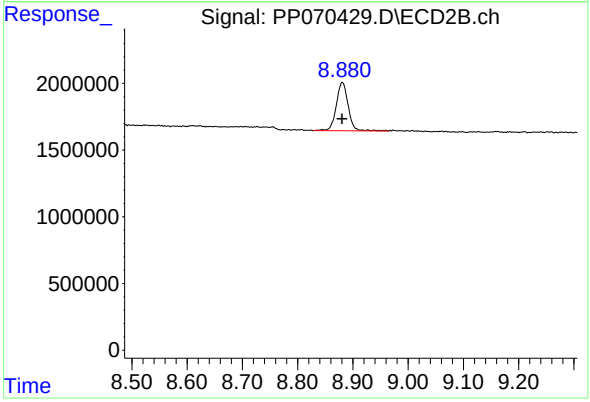
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5940731
Conc: 5.78 ng/ml



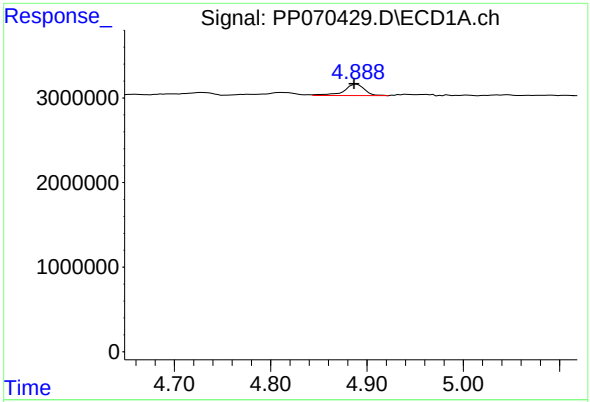
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.003 min
Response: 5277277
Conc: 4.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 5419163
Conc: 5.62 ng/ml



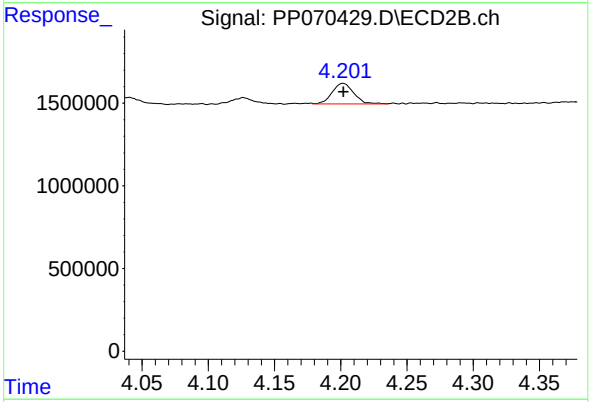
#11 AR-1232-1

R.T.: 4.889 min
Delta R.T.: 0.003 min
Response: 1983848
Conc: 56.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

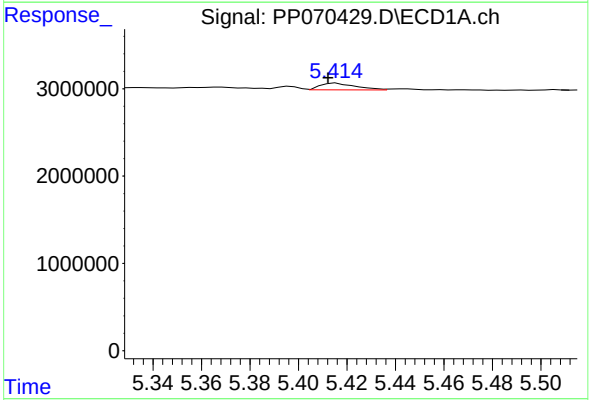
Manual Integrations APPROVED

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



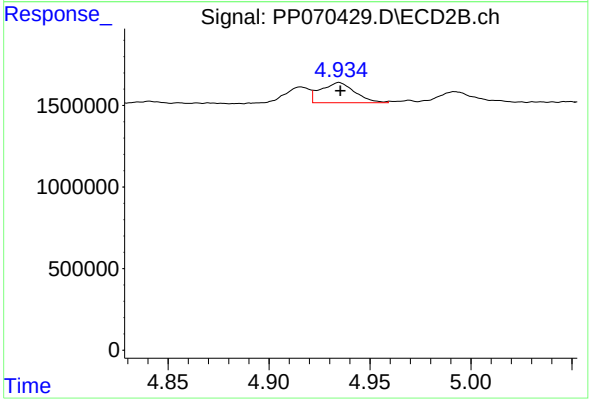
#11 AR-1232-1

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 1421614
Conc: 54.94 ng/ml m



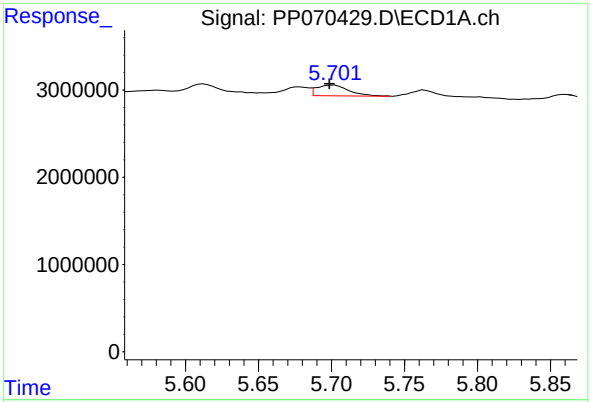
#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.002 min
Response: 781907
Conc: 44.15 ng/ml m



#12 AR-1232-2

R.T.: 4.934 min
Delta R.T.: -0.001 min
Response: 1431721
Conc: 56.86 ng/ml m



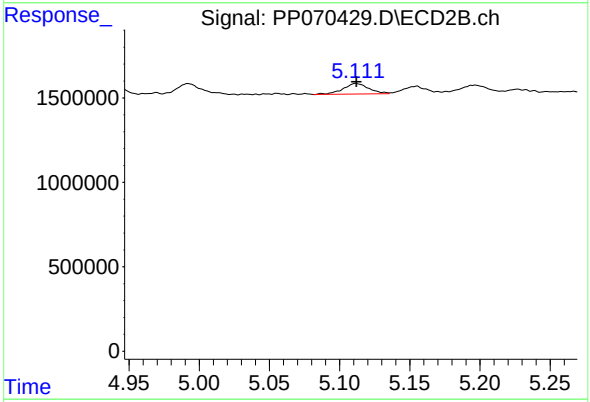
#13 AR-1232-3

R.T.: 5.701 min
Delta R.T.: 0.002 min
Response: 1856332
Conc: 49.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

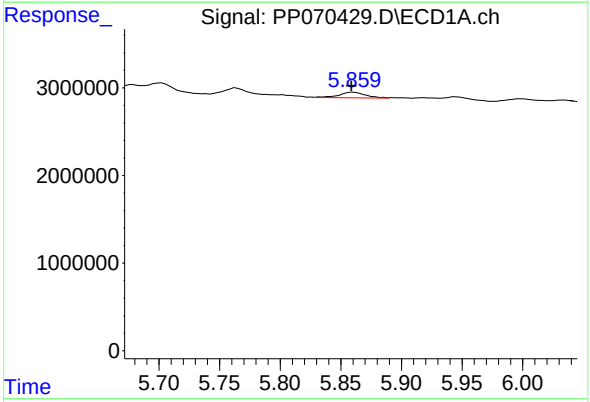
Manual Integrations APPROVED

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



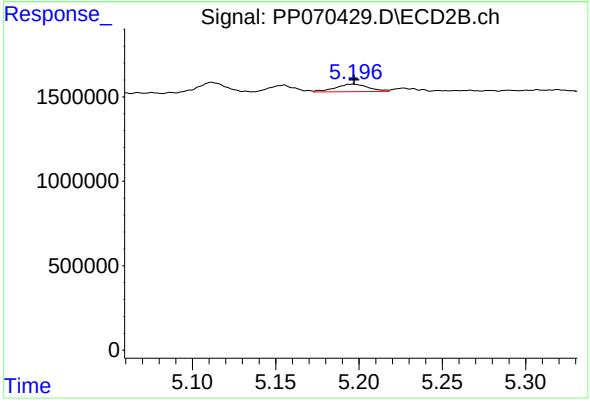
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 799405
Conc: 58.13 ng/ml



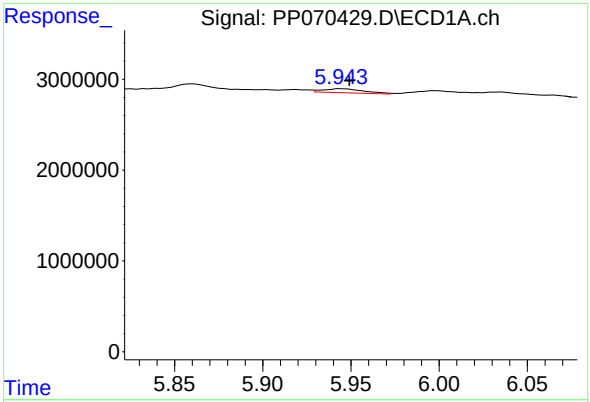
#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 1009484
Conc: 53.46 ng/ml m



#14 AR-1232-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 627440
Conc: 53.73 ng/ml



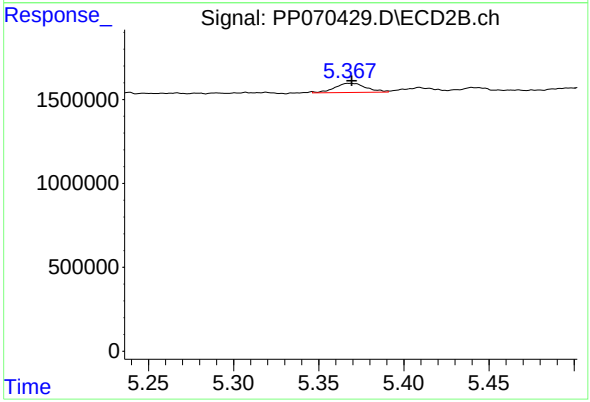
#15 AR-1232-5

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 707014
Conc: 52.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED

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



#15 AR-1232-5

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 698174
Conc: 53.49 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:12
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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...	4.525	3.828	148.4E6	94968124	93.437	94.952
2)	SA Decachlor...	10.252	8.881	101.7E6	89078022	92.579	87.447
	Target Compounds						
16)	L4 AR-1242-1	5.677	4.916	39253435	28374294	902.749	940.352
17)	L4 AR-1242-2	5.699	4.935	58252556	40120133	936.102	956.599
18)	L4 AR-1242-3	5.761	5.112	35362447	22172127	914.872	931.692
19)	L4 AR-1242-4	5.859	5.197	29479509	20777408	905.593	928.850
20)	L4 AR-1242-5	6.589	5.722	29991669	26011255	936.911	924.285

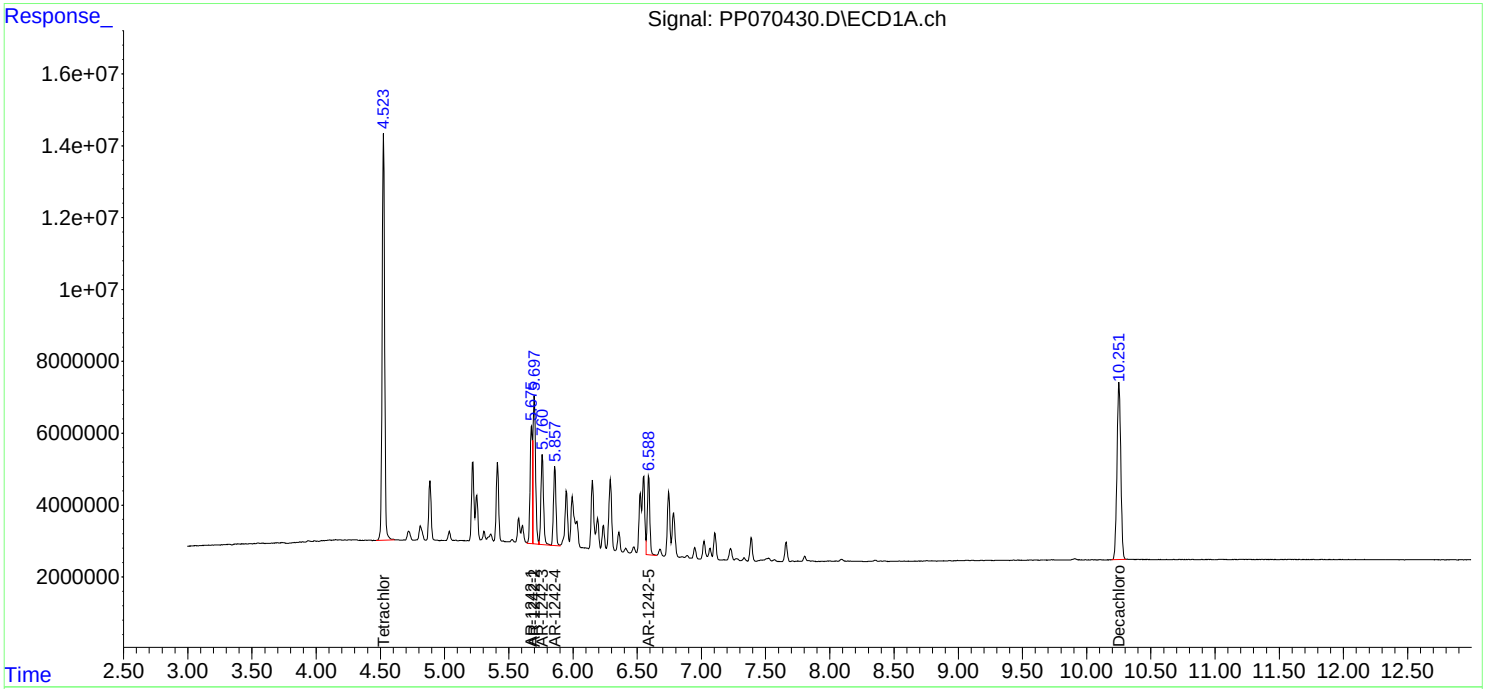
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

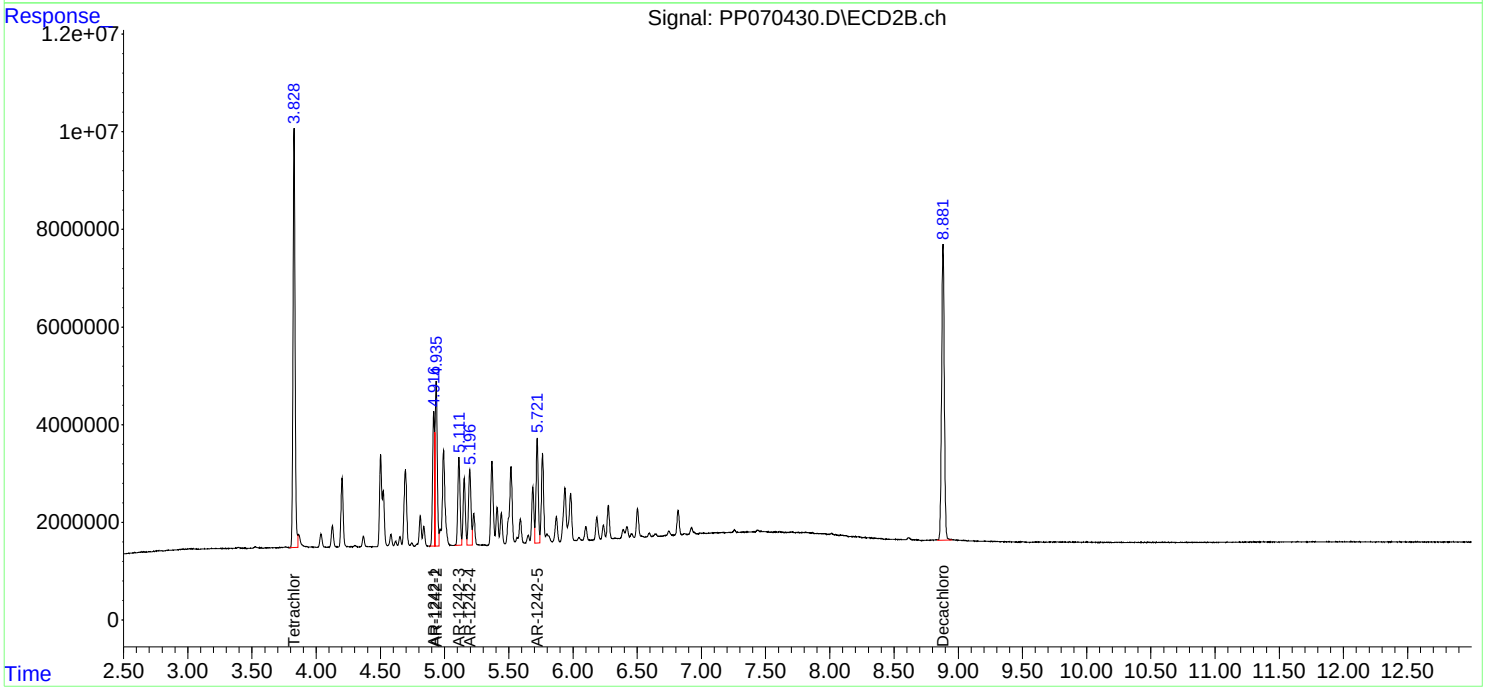
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:12
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

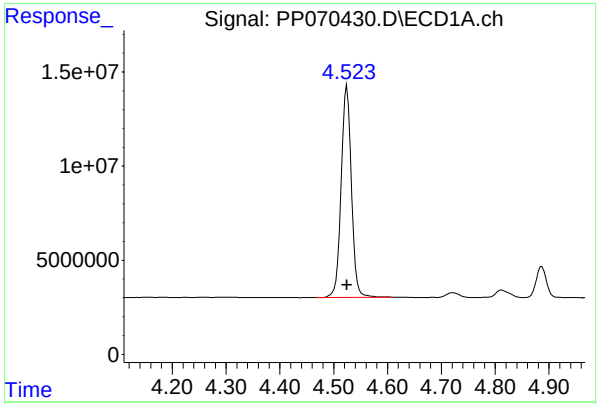
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



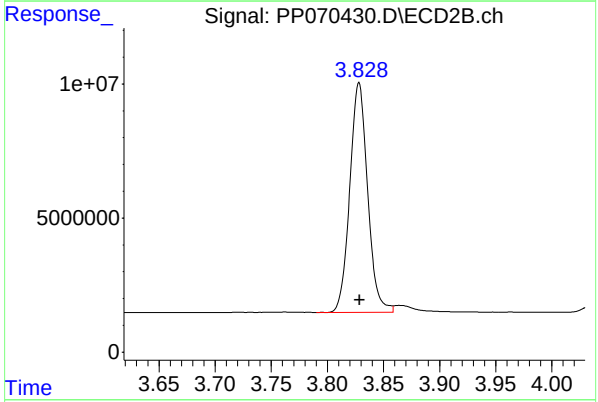




#1 Tetrachloro-m-xylene

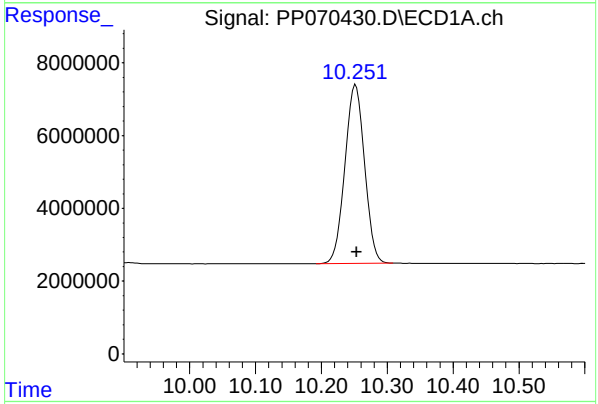
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 148350049
Conc: 93.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



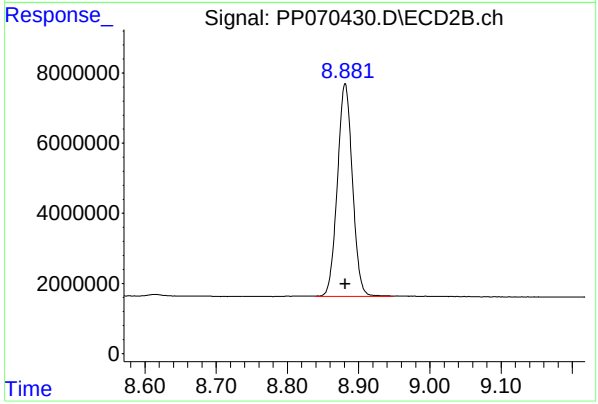
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 94968124
Conc: 94.95 ng/ml



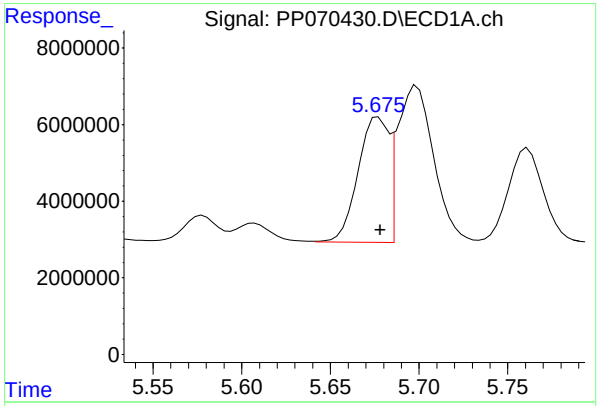
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.001 min
Response: 101714357
Conc: 92.58 ng/ml



#2 Decachlorobiphenyl

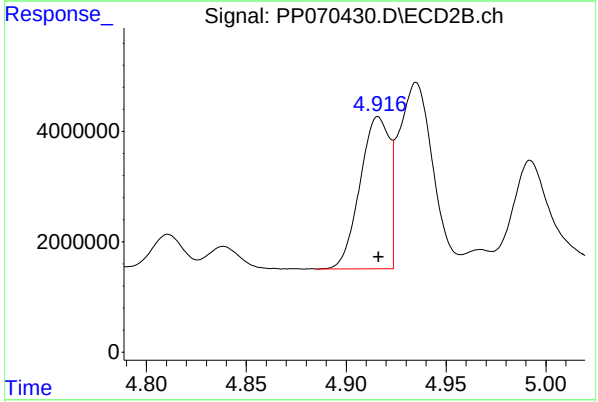
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 89078022
Conc: 87.45 ng/ml



#16 AR-1242-1

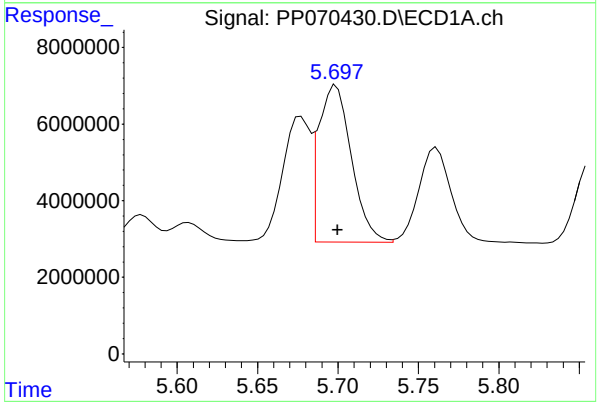
R.T.: 5.677 min
Delta R.T.: -0.001 min
Response: 39253435
Conc: 902.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



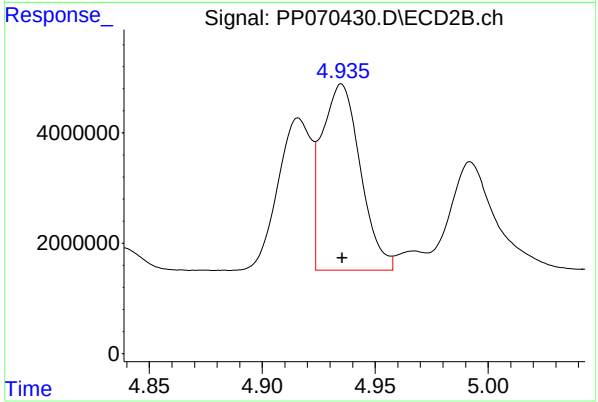
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 28374294
Conc: 940.35 ng/ml



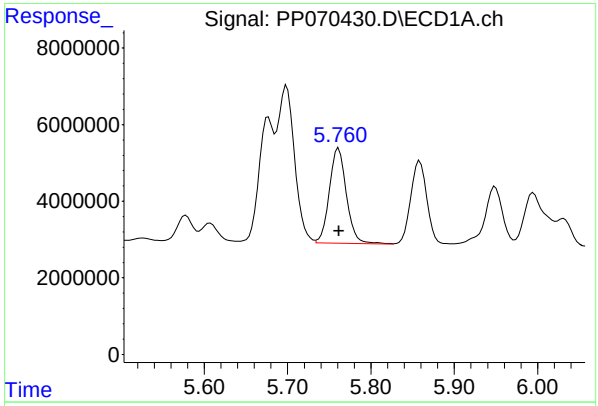
#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 58252556
Conc: 936.10 ng/ml



#17 AR-1242-2

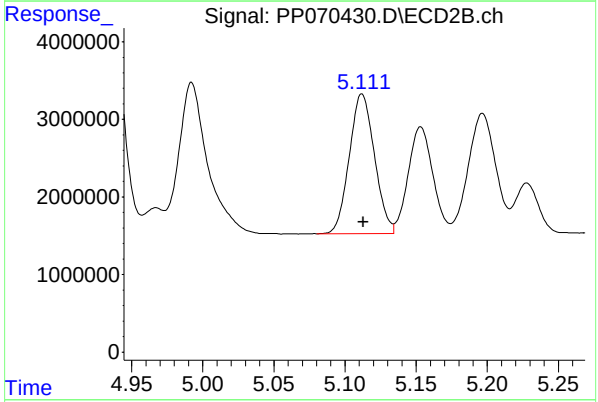
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 40120133
Conc: 956.60 ng/ml



#18 AR-1242-3

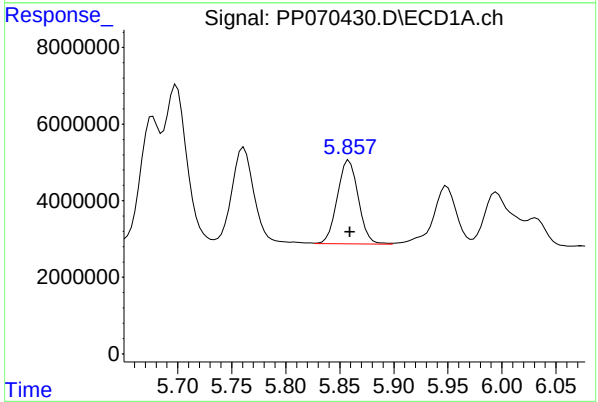
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 35362447
Conc: 914.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



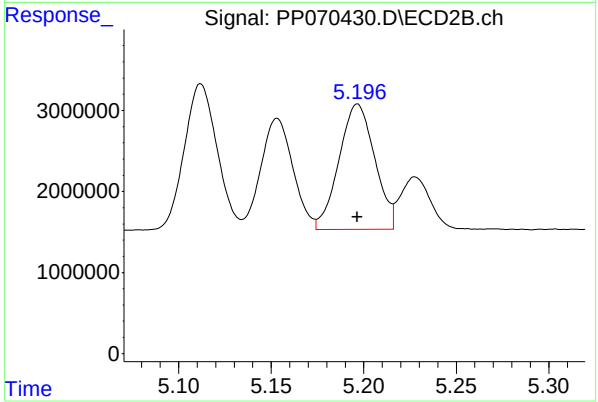
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 22172127
Conc: 931.69 ng/ml



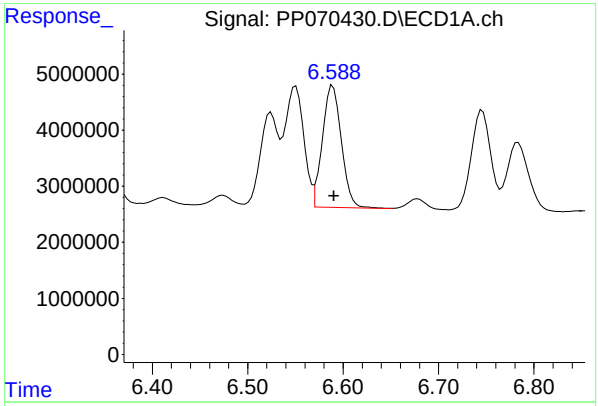
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 29479509
Conc: 905.59 ng/ml



#19 AR-1242-4

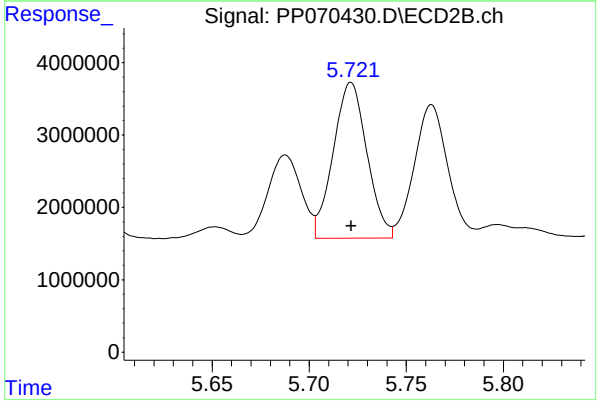
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 20777408
Conc: 928.85 ng/ml



#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 min
Response: 29991669
Conc: 936.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 26011255
Conc: 924.28 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:28
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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...	4.525	3.828	115.4E6	72710939	72.677	72.698
2)	SA Decachlor...	10.252	8.880	79754897	74745771	72.592	73.377
	Target Compounds						
16)	L4 AR-1242-1	5.678	4.916	31278275	21743405	719.336	720.598
17)	L4 AR-1242-2	5.700	4.935	45085458	30497830	724.511	727.171
18)	L4 AR-1242-3	5.762	5.112	27285376	16877928	705.908	709.226
19)	L4 AR-1242-4	5.859	5.196	23125338	15945991	710.396	712.863
20)	L4 AR-1242-5	6.590	5.721	23553432	20212182	735.787	718.220

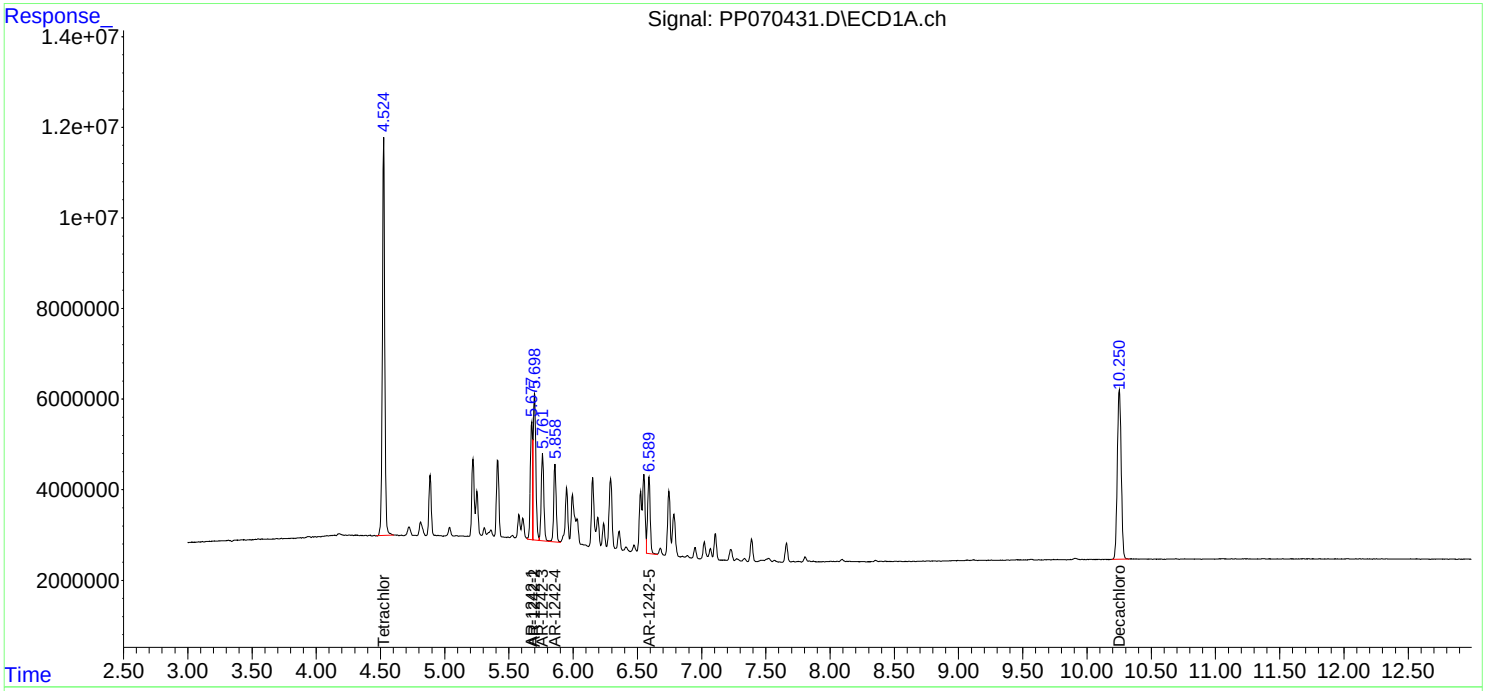
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

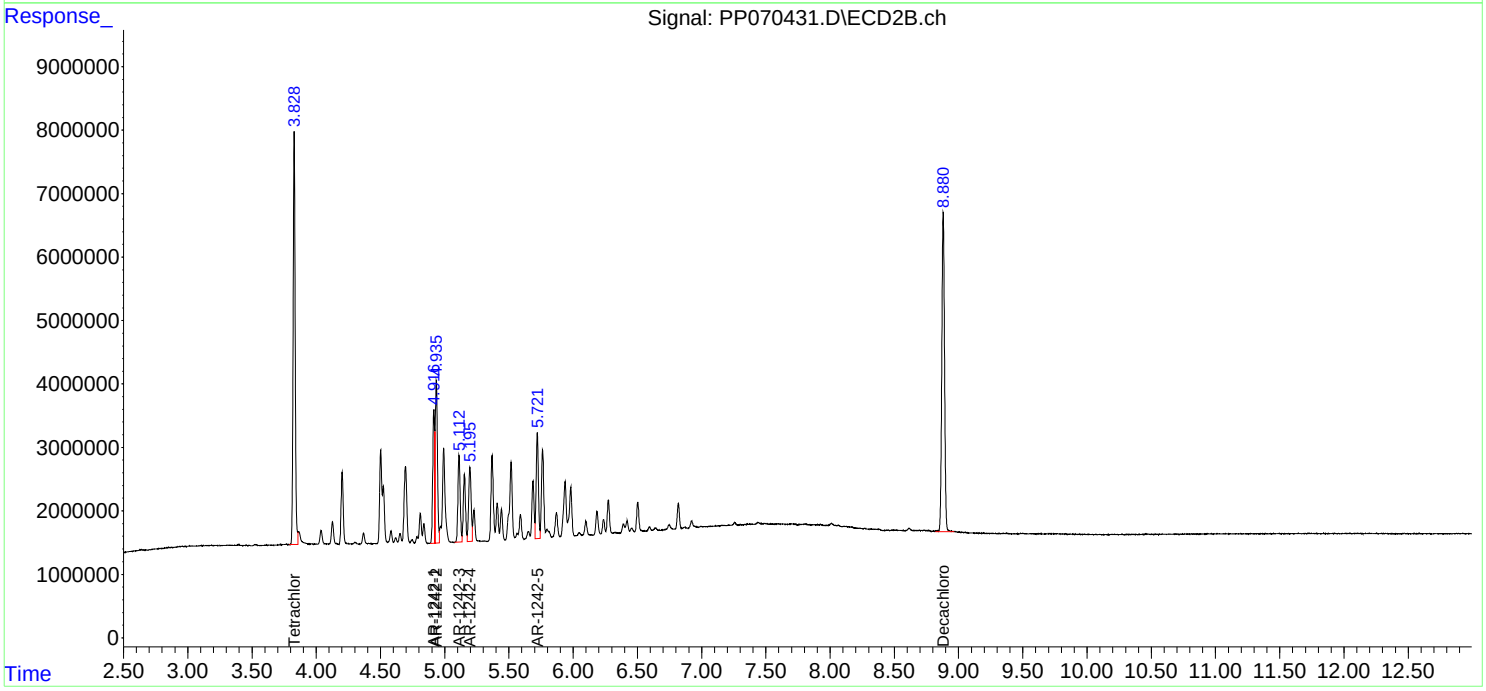
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:28
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

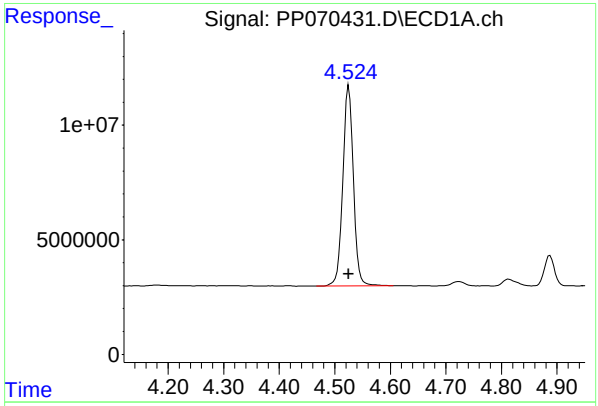
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



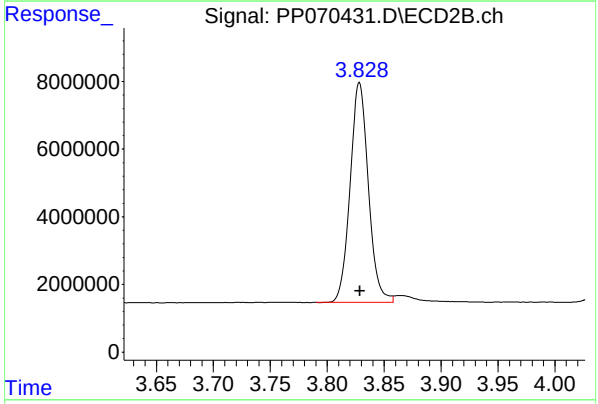




#1 Tetrachloro-m-xylene

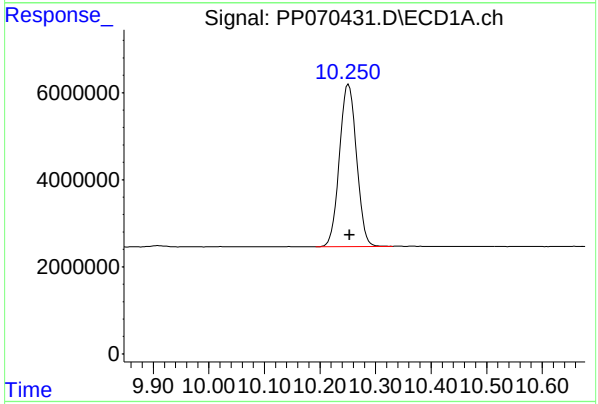
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 115389928
Conc: 72.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



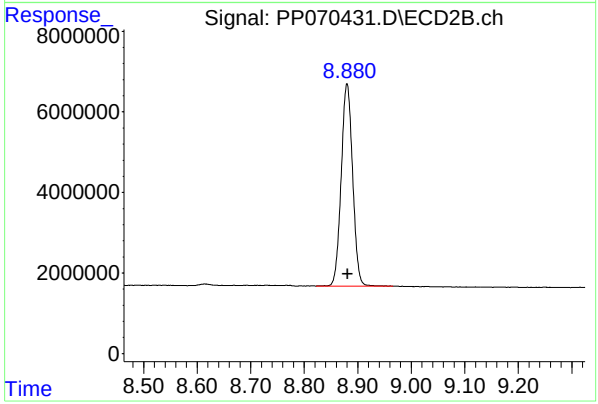
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 72710939
Conc: 72.70 ng/ml



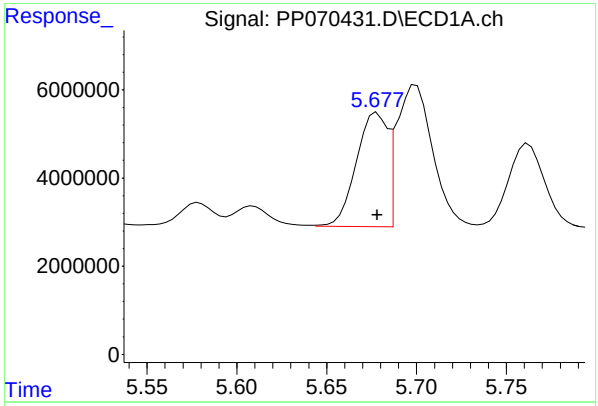
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.002 min
Response: 79754897
Conc: 72.59 ng/ml



#2 Decachlorobiphenyl

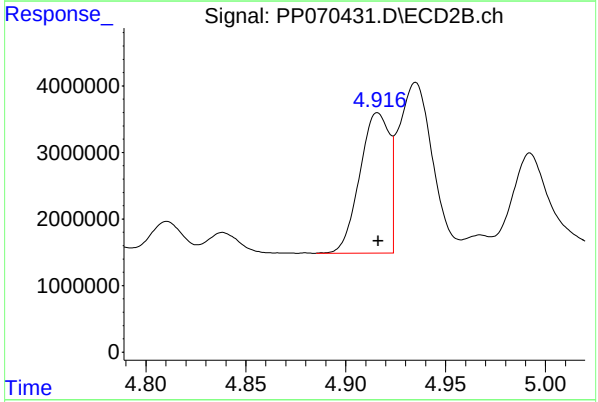
R.T.: 8.880 min
Delta R.T.: -0.001 min
Response: 74745771
Conc: 73.38 ng/ml



#16 AR-1242-1

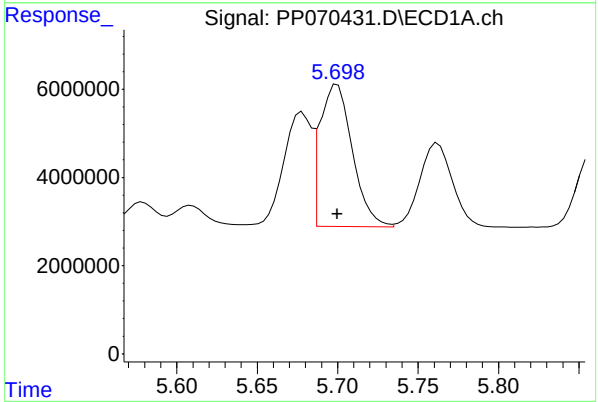
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 31278275
Conc: 719.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



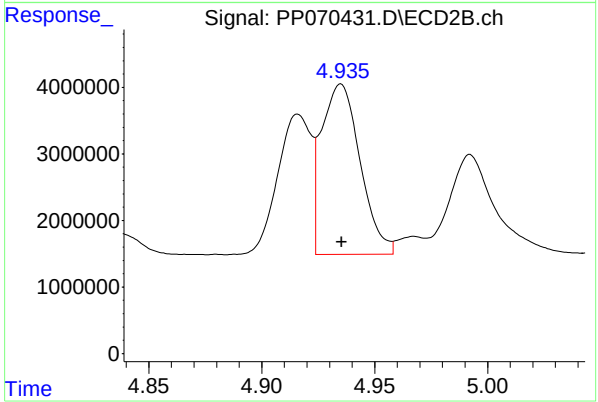
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 21743405
Conc: 720.60 ng/ml



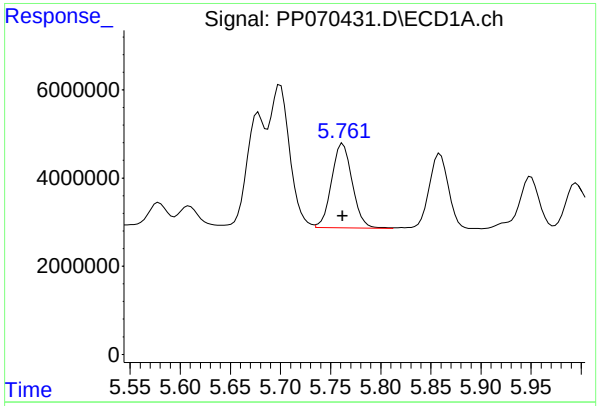
#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 45085458
Conc: 724.51 ng/ml



#17 AR-1242-2

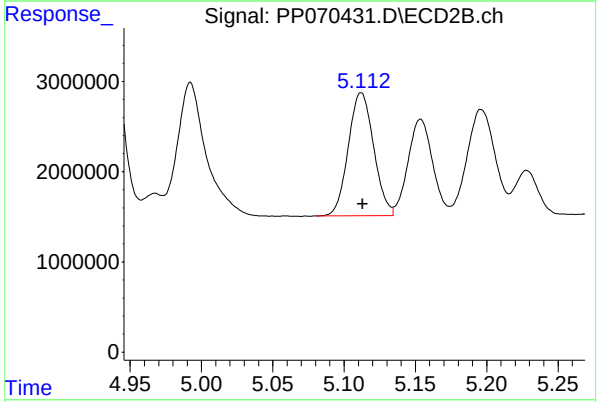
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 30497830
Conc: 727.17 ng/ml



#18 AR-1242-3

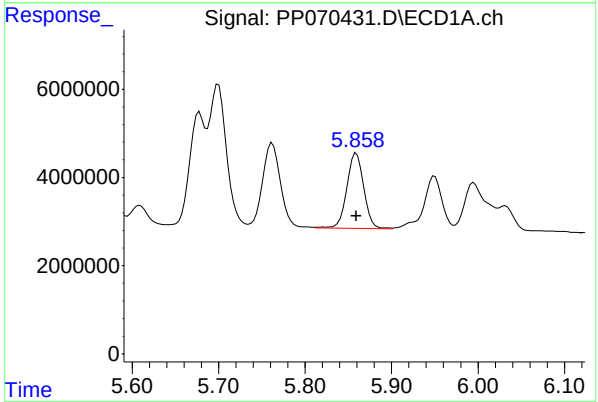
R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 27285376
Conc: 705.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



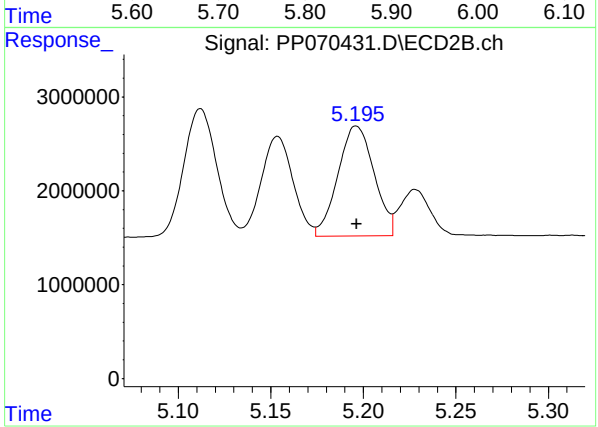
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 16877928
Conc: 709.23 ng/ml



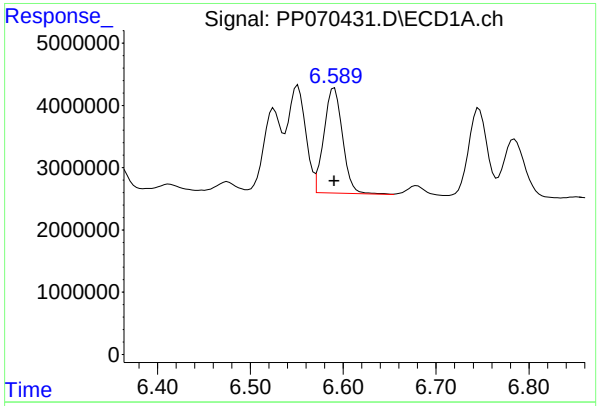
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23125338
Conc: 710.40 ng/ml



#19 AR-1242-4

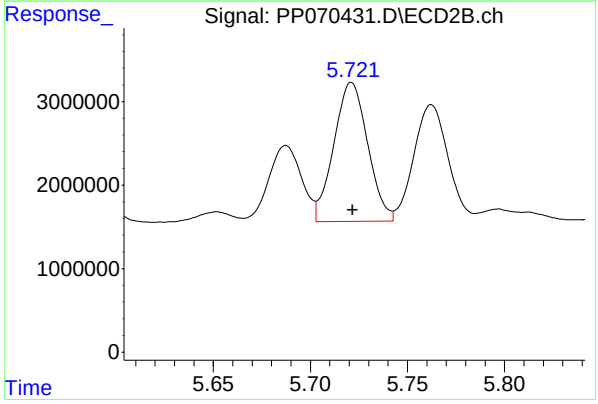
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 15945991
Conc: 712.86 ng/ml



#20 AR-1242-5

R.T.: 6.590 min
Delta R.T.: 0.000 min
Response: 23553432
Conc: 735.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 20212182
Conc: 718.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:45
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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...	4.525	3.829	79385142	50008599	50.000	50.000
2)	SA Decachlor...	10.253	8.881	54933901	50932459	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.678	4.916	21741066	15087052	500.000	500.000
17)	L4 AR-1242-2	5.700	4.935	31114422	20970194	500.000	500.000
18)	L4 AR-1242-3	5.762	5.113	19326447	11898844	500.000	500.000
19)	L4 AR-1242-4	5.859	5.196	16276361	11184477	500.000	500.000
20)	L4 AR-1242-5	6.590	5.722	16005604	14071017	500.000	500.000

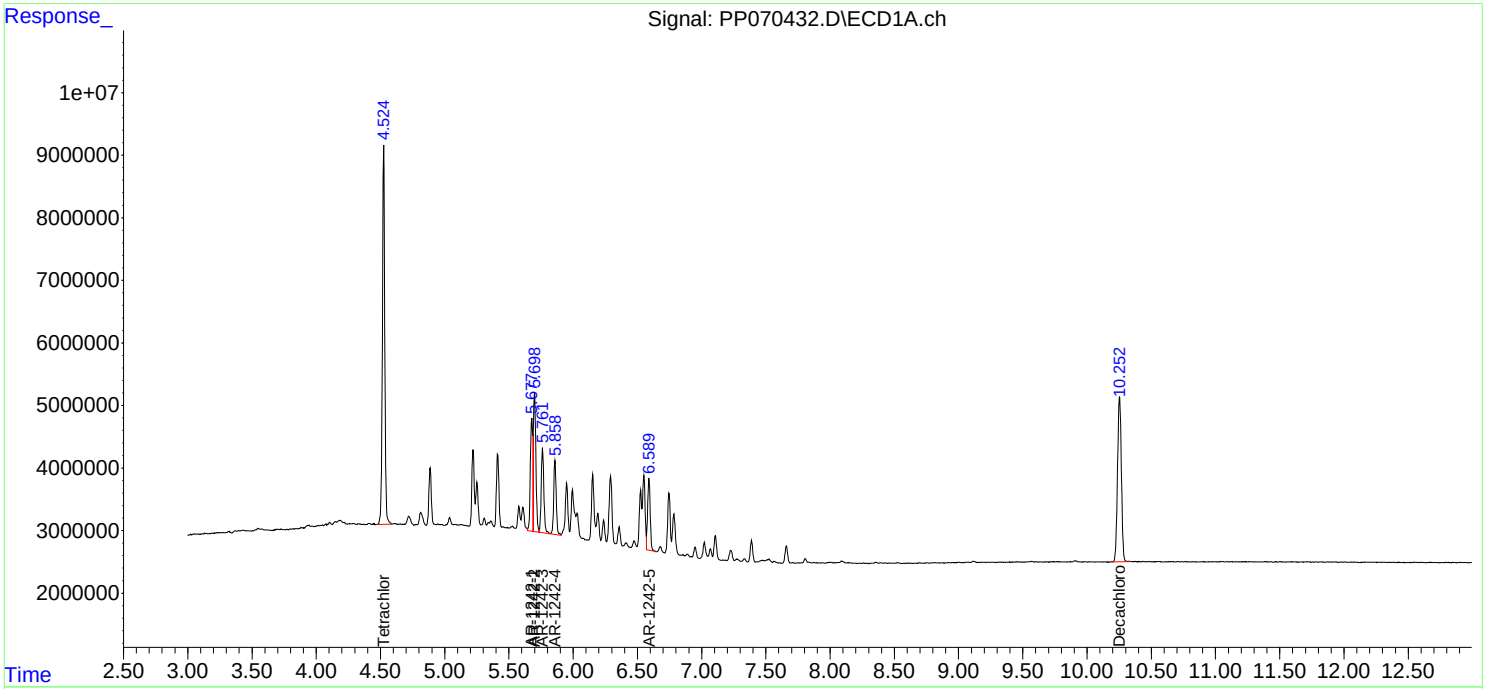
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

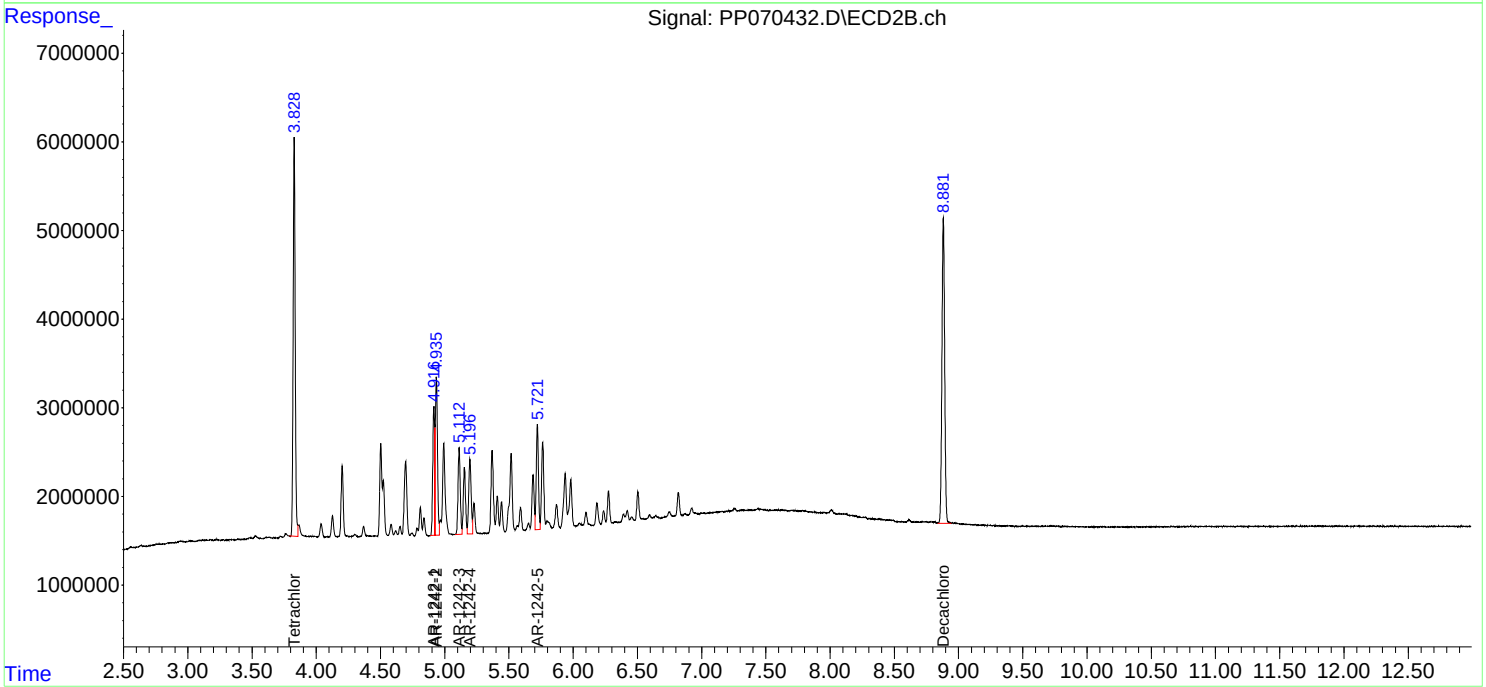
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:45
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

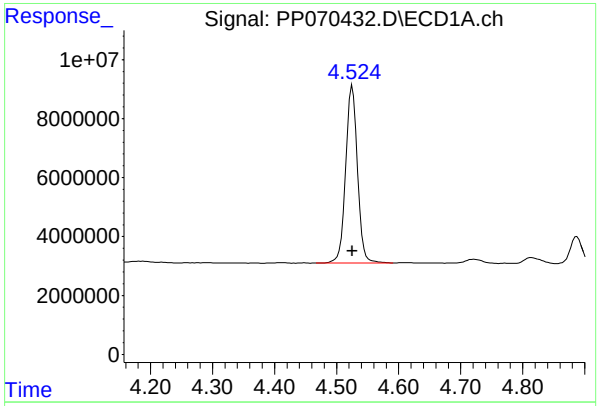
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



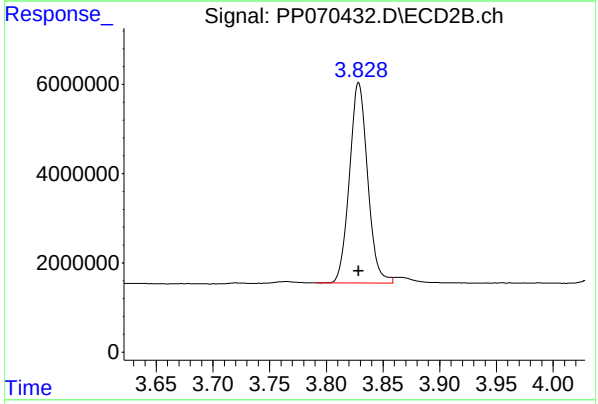




#1 Tetrachloro-m-xylene

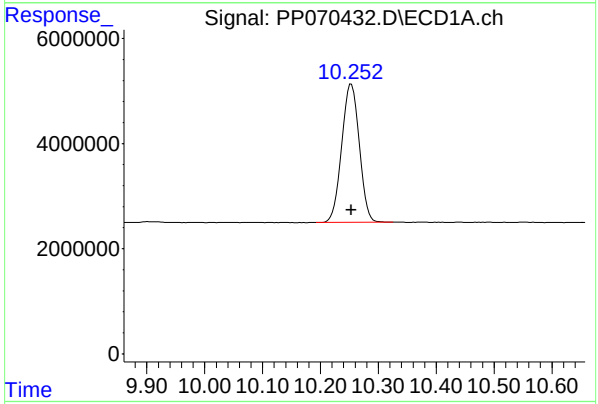
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 79385142
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



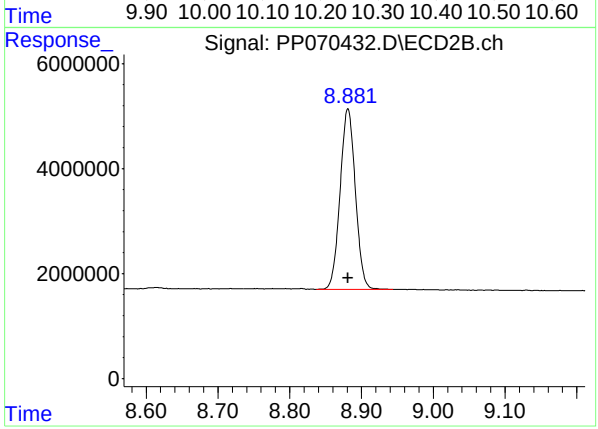
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 50008599
Conc: 50.00 ng/ml



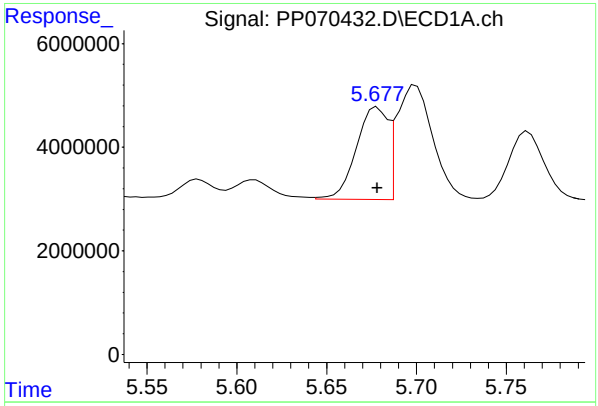
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 54933901
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

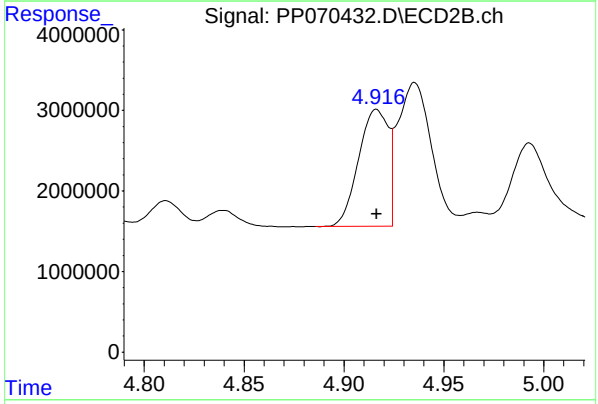
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 50932459
Conc: 50.00 ng/ml



#16 AR-1242-1

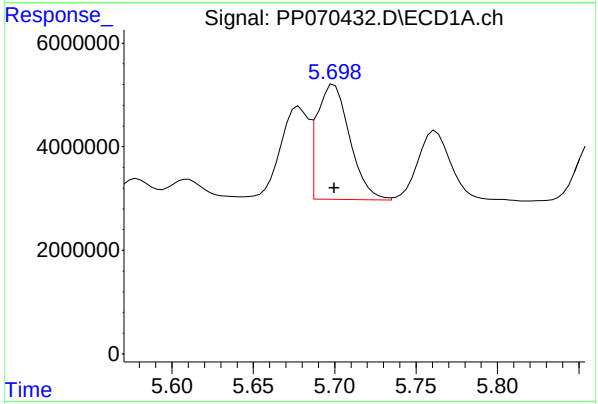
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 21741066
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



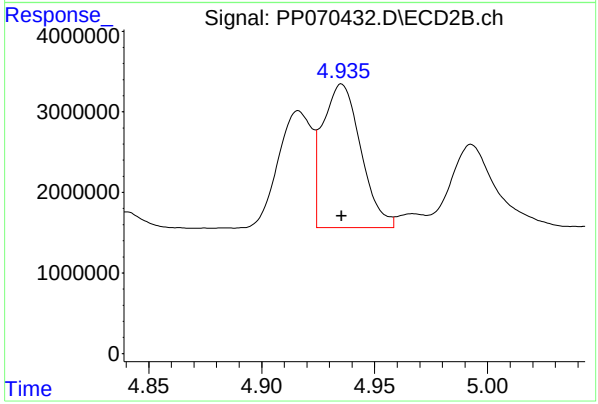
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 15087052
Conc: 500.00 ng/ml



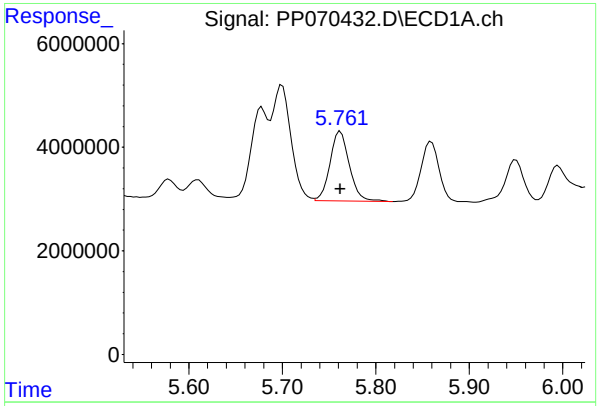
#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 31114422
Conc: 500.00 ng/ml



#17 AR-1242-2

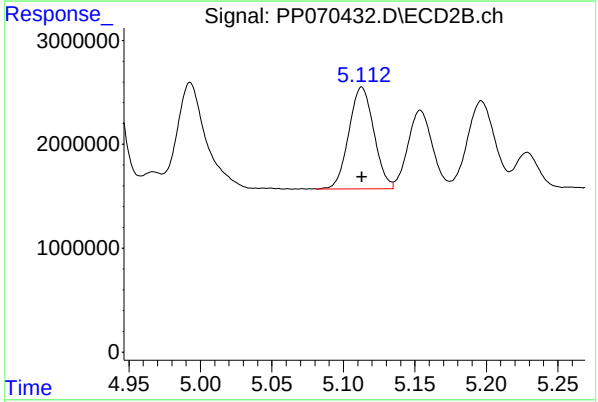
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 20970194
Conc: 500.00 ng/ml



#18 AR-1242-3

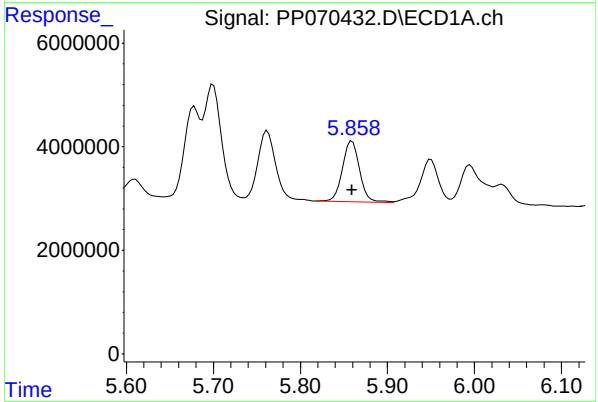
R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19326447
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



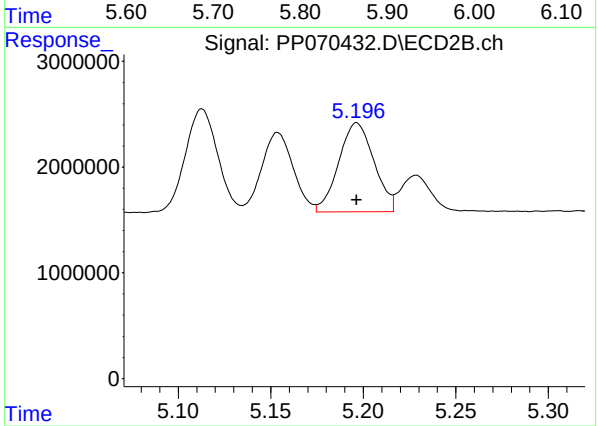
#18 AR-1242-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 11898844
Conc: 500.00 ng/ml



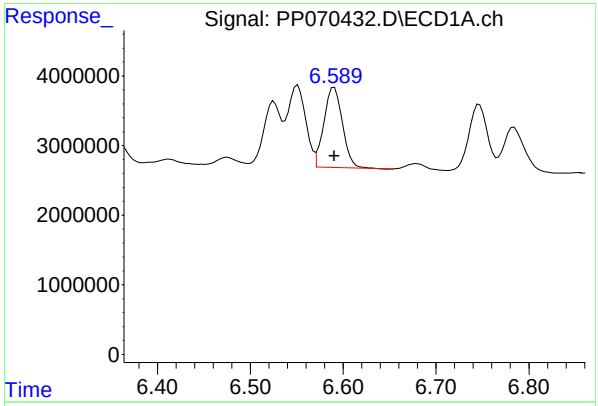
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 16276361
Conc: 500.00 ng/ml



#19 AR-1242-4

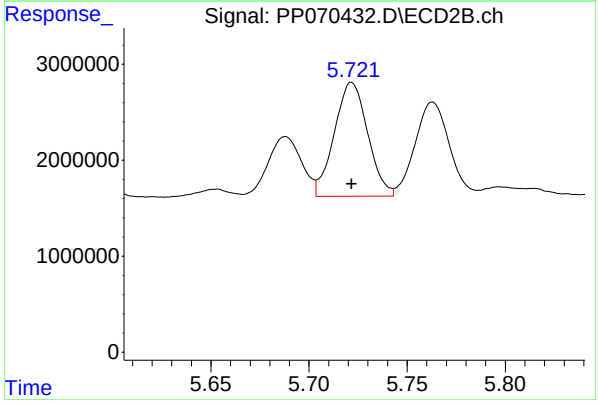
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 11184477
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.590 min
Delta R.T.: 0.000 min
Response: 16005604
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 14071017
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:01
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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...	4.524	3.828	41377010	26035193	26.061	26.031
2)	SA Decachlor...	10.252	8.882	28665426	26753118	26.091	26.263
	Target Compounds						
16)	L4 AR-1242-1	5.677	4.916	11964118	8132112	275.150	269.506
17)	L4 AR-1242-2	5.699	4.935	16512640	11403170	265.353	271.890
18)	L4 AR-1242-3	5.761	5.112	10411351	6390296	269.355	268.526
19)	L4 AR-1242-4	5.858	5.197	8770541	5985325	269.426	267.573
20)	L4 AR-1242-5	6.589	5.721	8174876	7415218	255.375	263.493

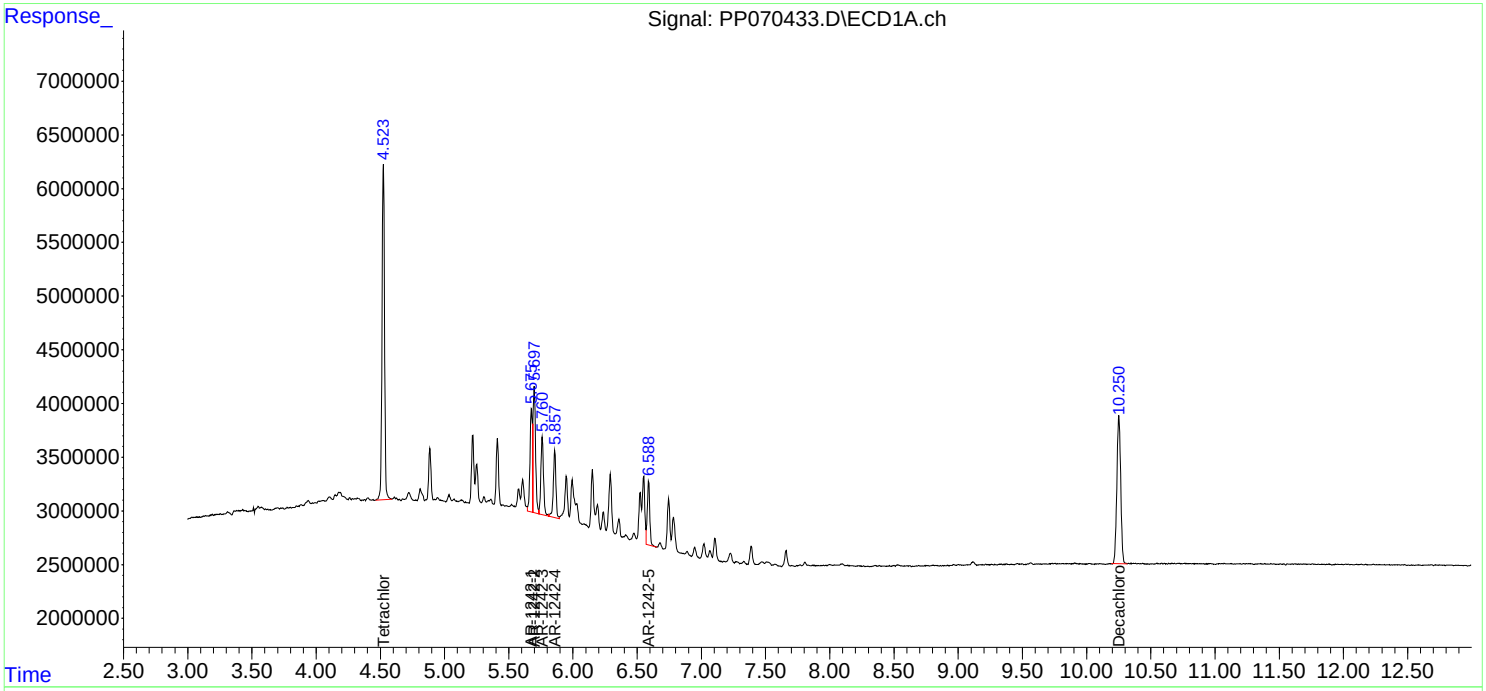
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

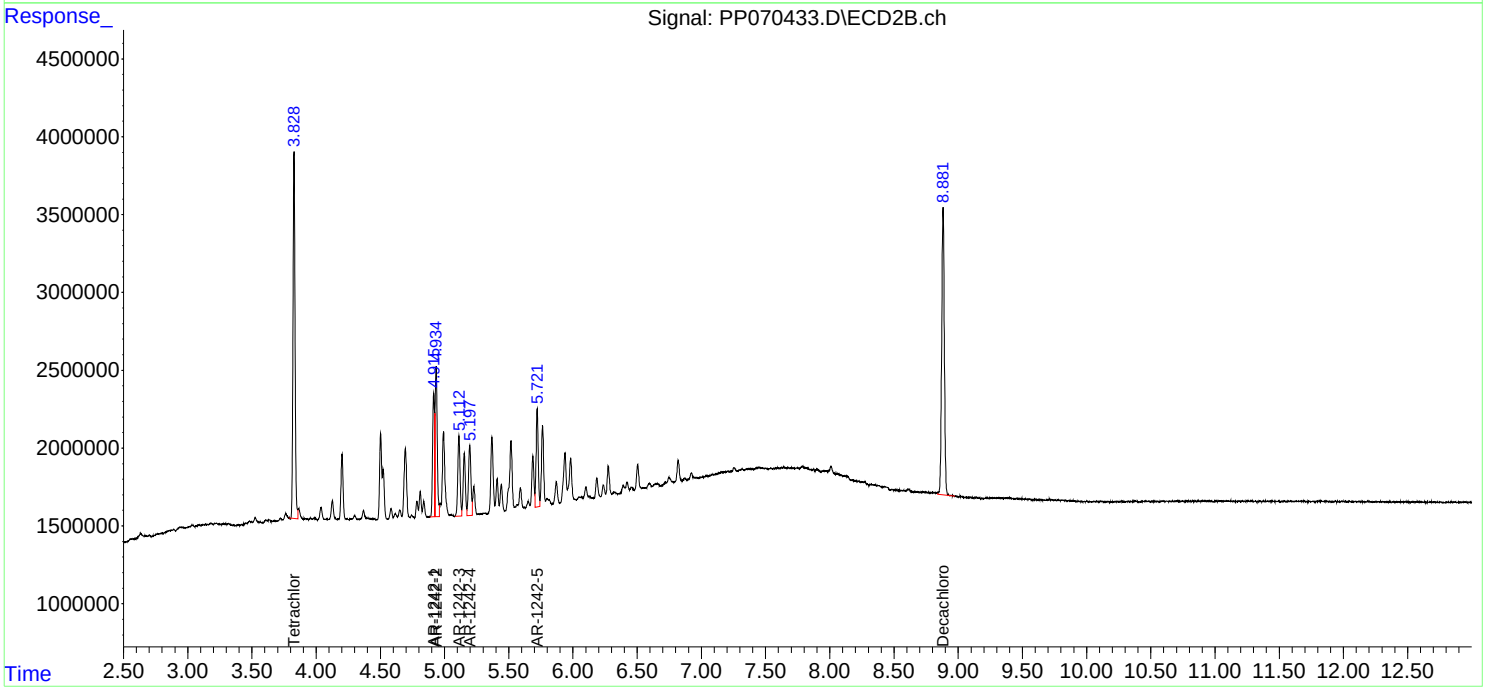
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:01
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

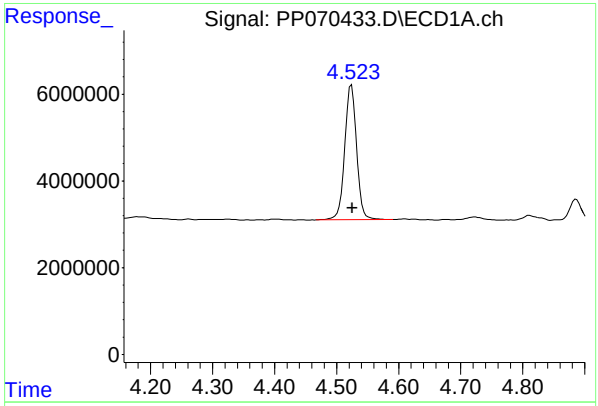
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



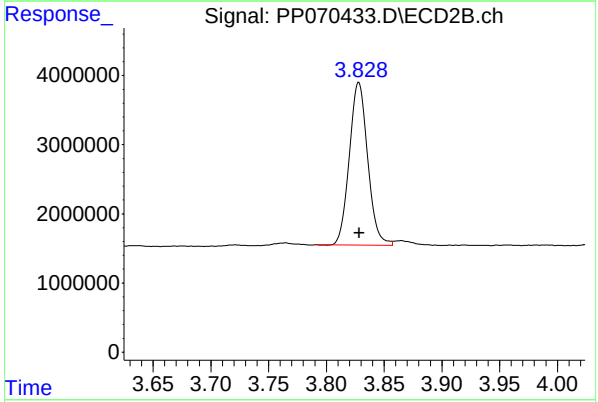




#1 Tetrachloro-m-xylene

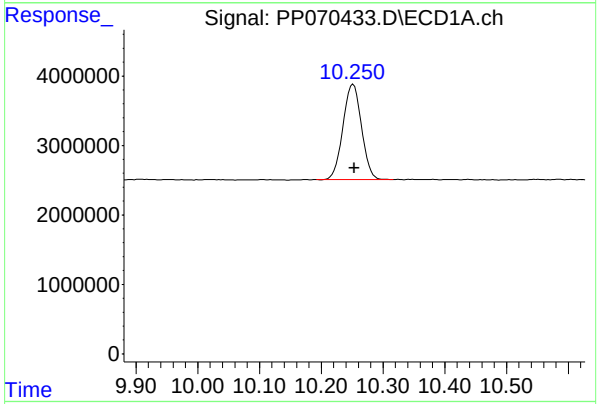
R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 41377010
Conc: 26.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



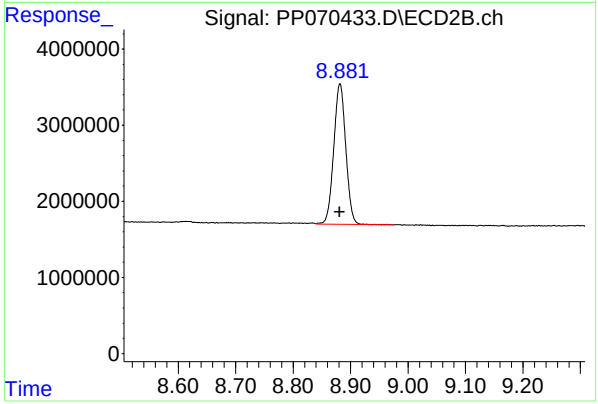
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26035193
Conc: 26.03 ng/ml



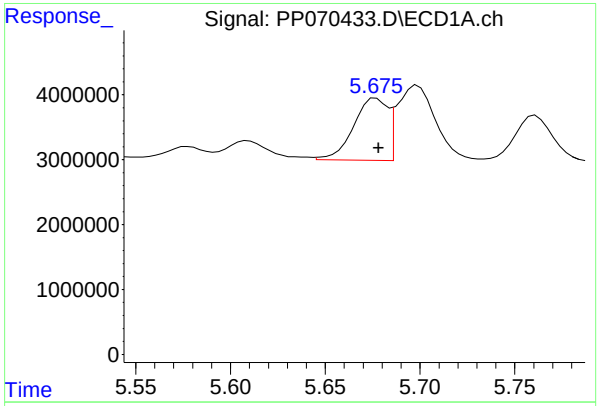
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.002 min
Response: 28665426
Conc: 26.09 ng/ml



#2 Decachlorobiphenyl

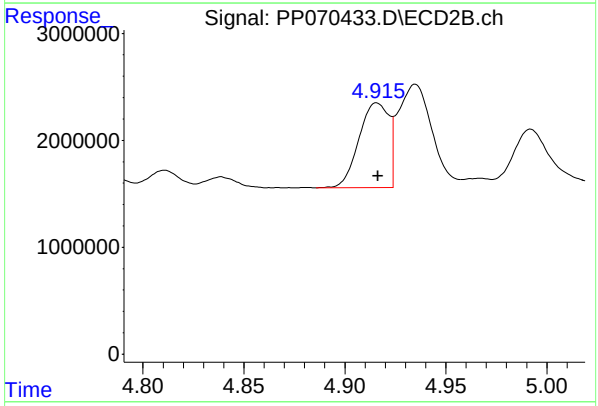
R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 26753118
Conc: 26.26 ng/ml



#16 AR-1242-1

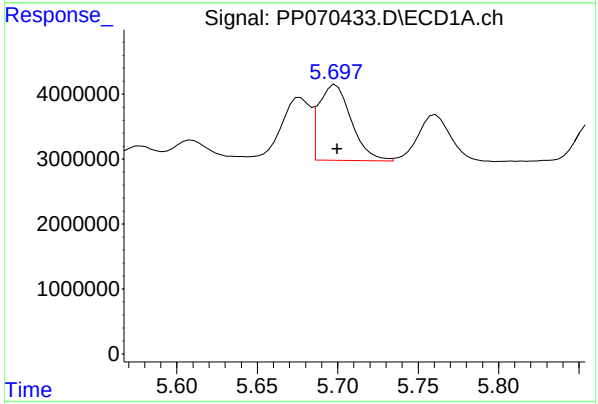
R.T.: 5.677 min
Delta R.T.: -0.001 min
Response: 11964118
Conc: 275.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



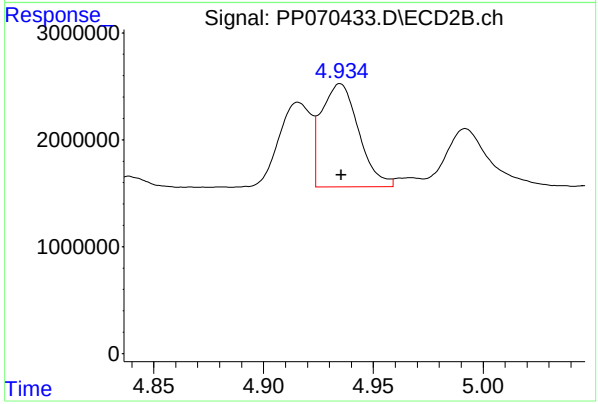
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 8132112
Conc: 269.51 ng/ml



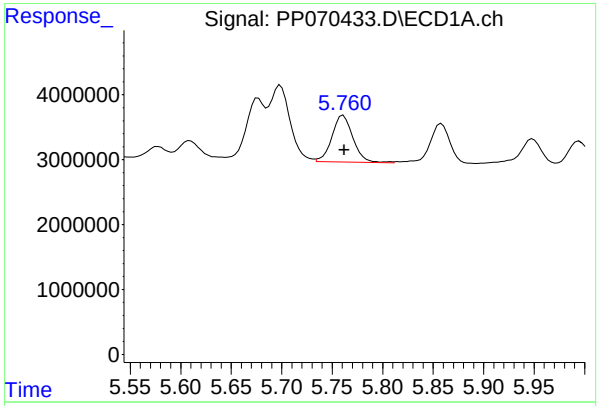
#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 16512640
Conc: 265.35 ng/ml



#17 AR-1242-2

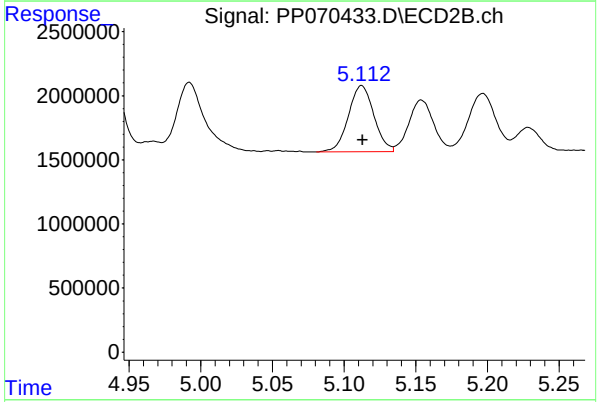
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 11403170
Conc: 271.89 ng/ml



#18 AR-1242-3

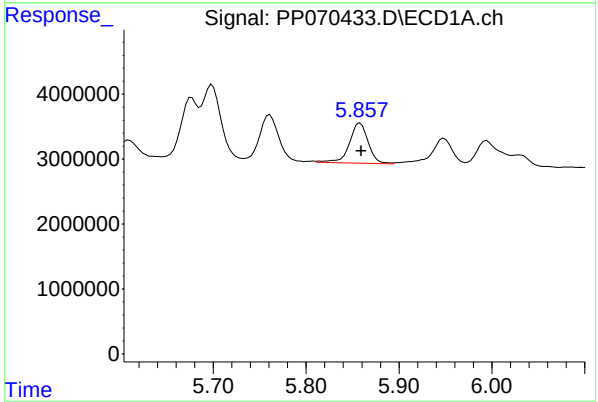
R.T.: 5.761 min
Delta R.T.: -0.001 min
Response: 10411351
Conc: 269.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



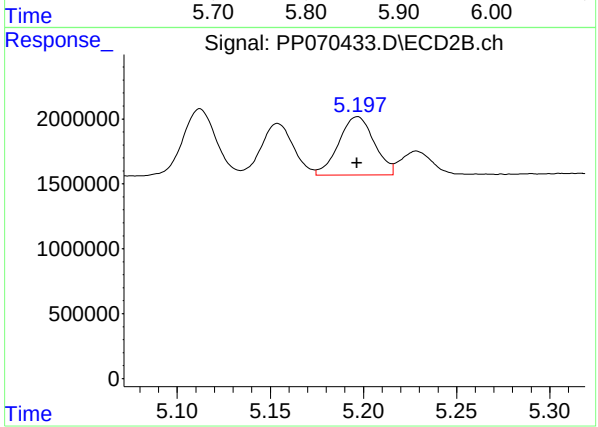
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6390296
Conc: 268.53 ng/ml



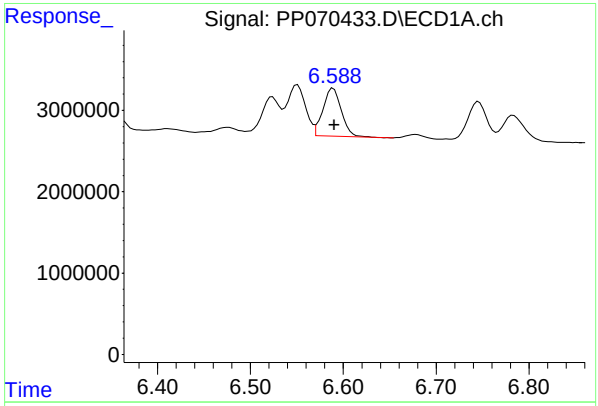
#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.001 min
Response: 8770541
Conc: 269.43 ng/ml



#19 AR-1242-4

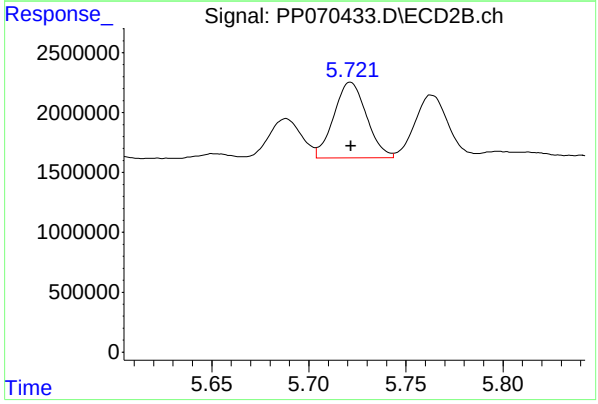
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 5985325
Conc: 267.57 ng/ml



#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 min
Response: 8174876
Conc: 255.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 7415218
Conc: 263.49 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:17
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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...	4.525	3.828	7892451	5217010	4.971	5.216
2)	SA Decachlor...	10.251	8.880	5096068	5757436	4.638	5.652
	Target Compounds						
16)	L4 AR-1242-1	5.675	4.915	2497316	1649451	57.433m	54.664m
17)	L4 AR-1242-2	5.698	4.933	3012916	2482544	48.417m	59.192m
18)	L4 AR-1242-3	5.760	5.112	1673238	1256336	43.289m	52.792
19)	L4 AR-1242-4	5.858	5.196	1635861	1093177	50.253m	48.870
20)	L4 AR-1242-5	6.589	5.721	1456532	1442093	45.501	51.243

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:17
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

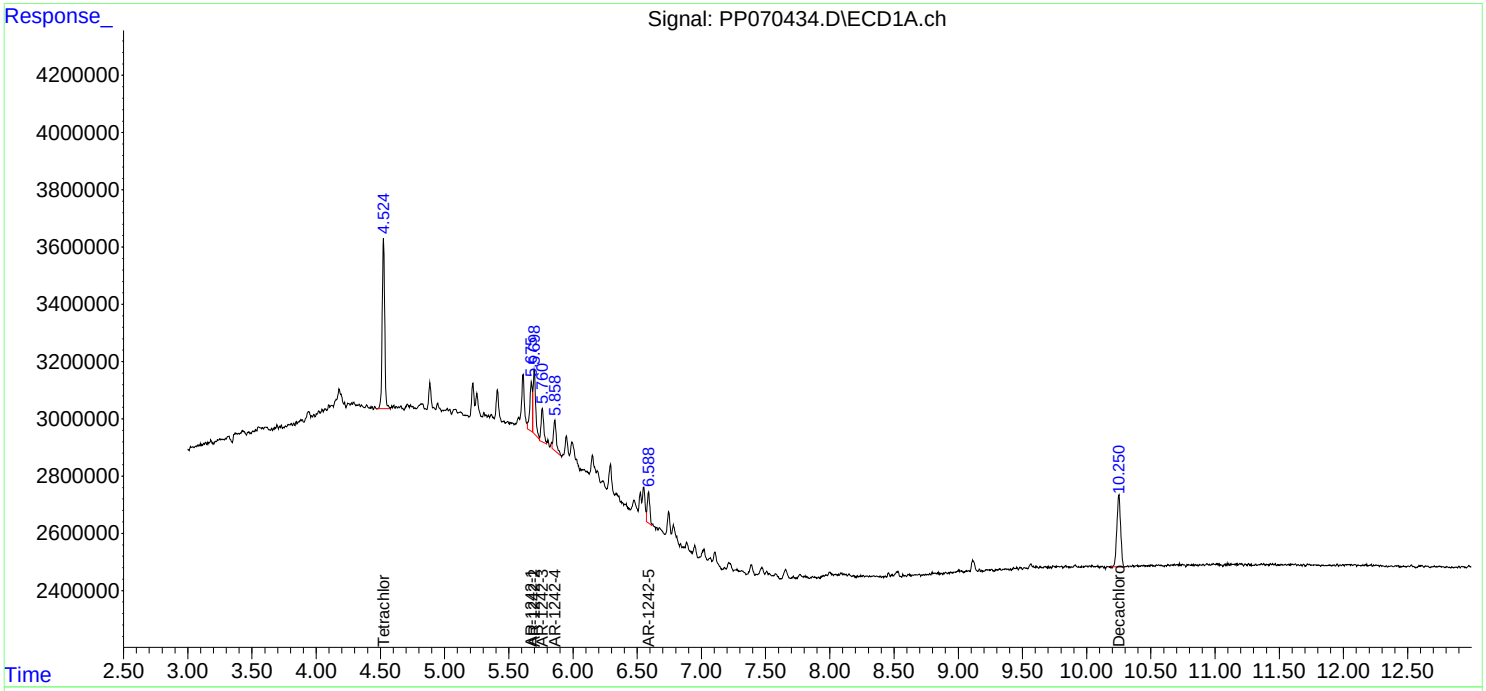
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

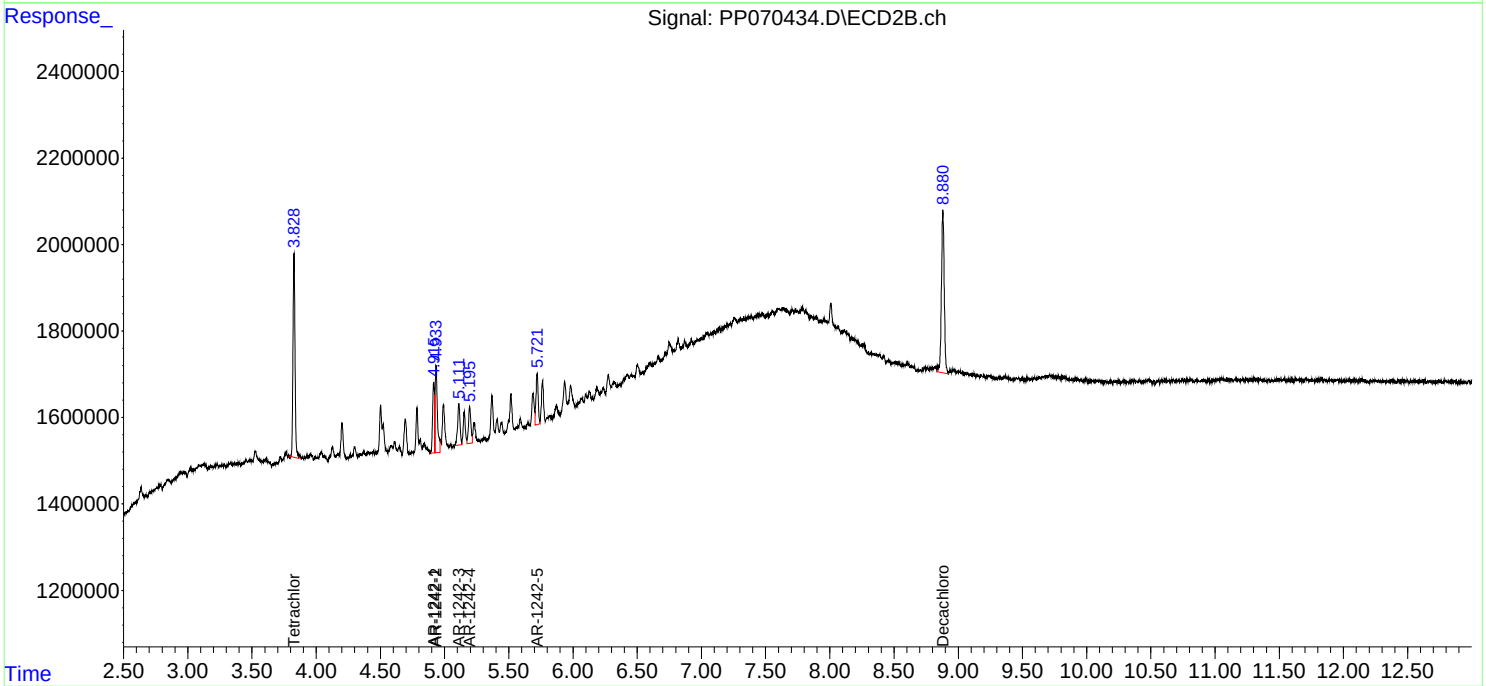
Manual Integrations APPROVED

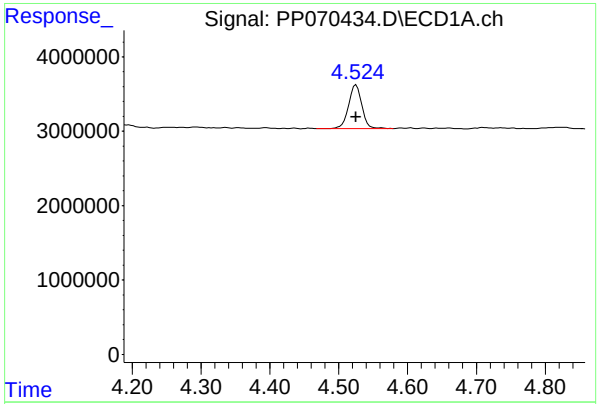
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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







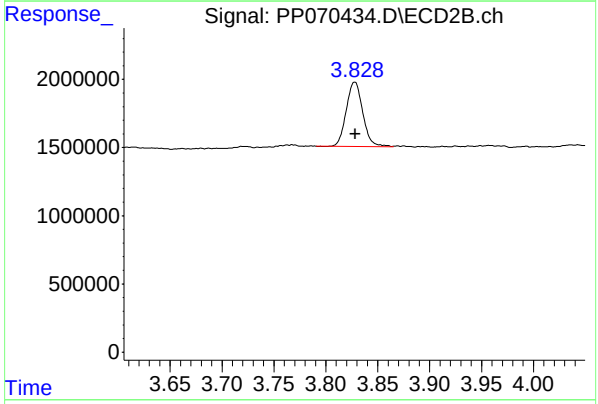
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 7892451
Conc: 4.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

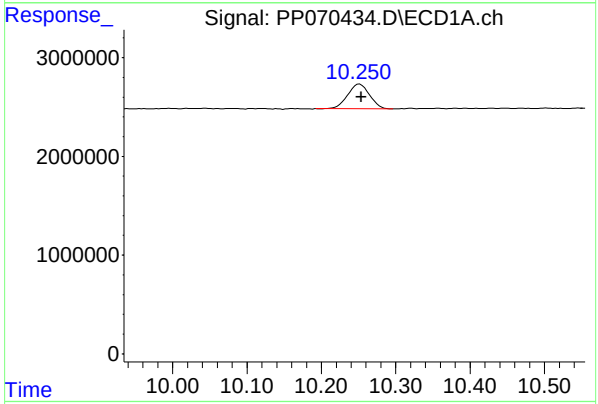
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



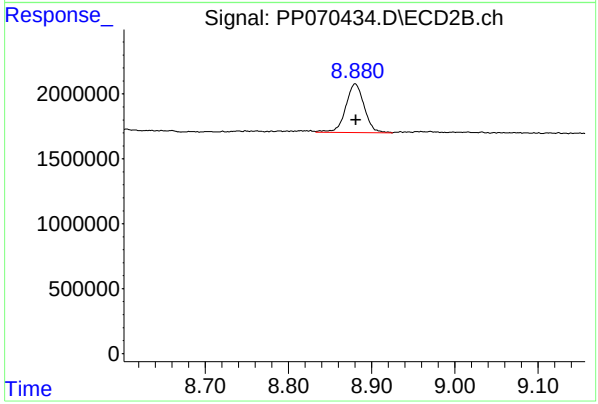
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5217010
Conc: 5.22 ng/ml



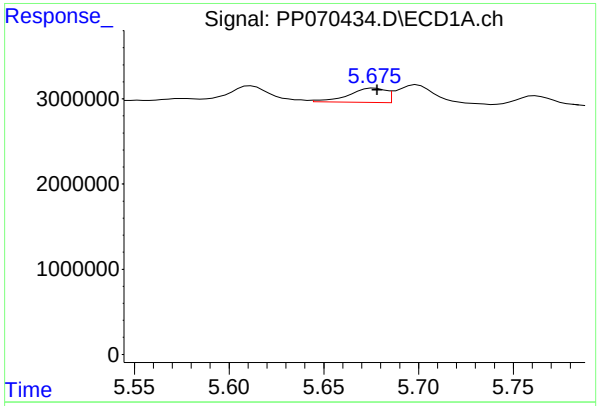
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 5096068
Conc: 4.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 5757436
Conc: 5.65 ng/ml



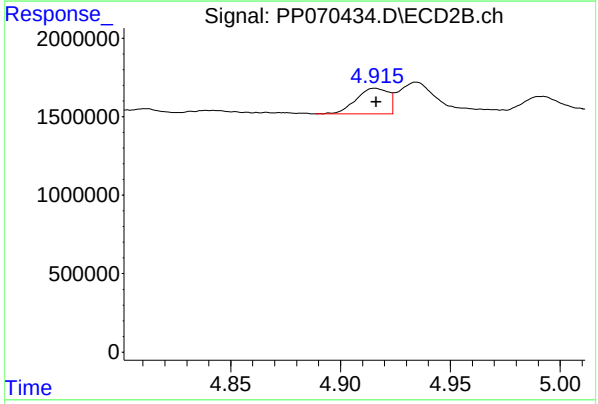
#16 AR-1242-1

R.T.: 5.675 min
Delta R.T.: -0.003 mi
Response: 2497316
Conc: 57.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

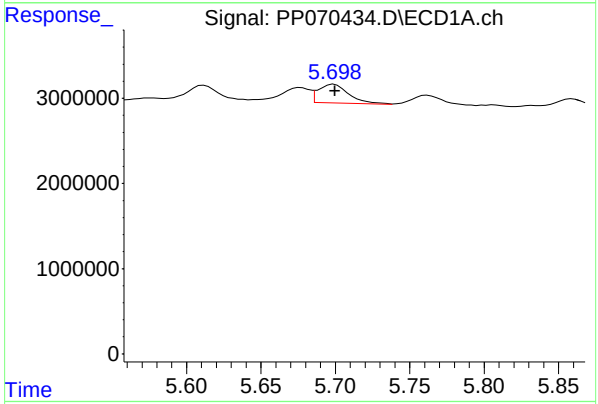
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



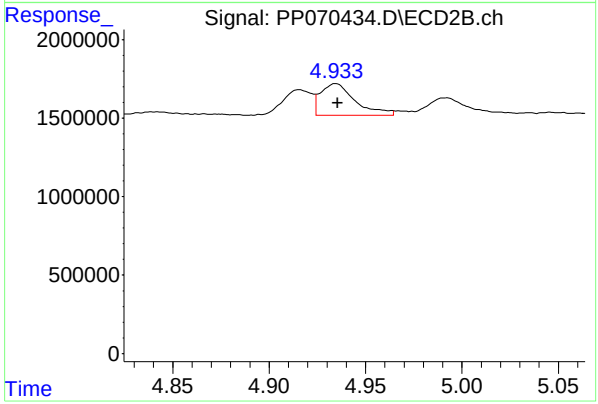
#16 AR-1242-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 1649451
Conc: 54.66 ng/ml m



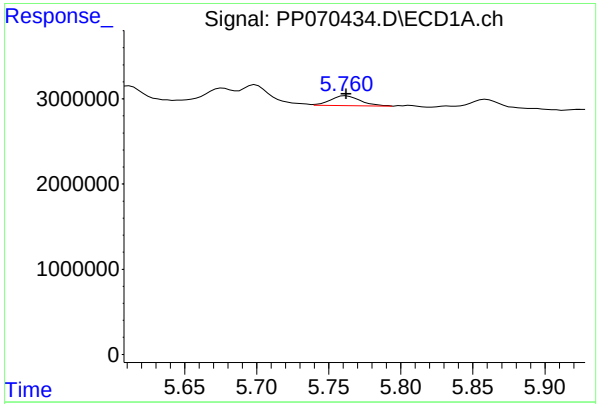
#17 AR-1242-2

R.T.: 5.698 min
Delta R.T.: -0.002 min
Response: 3012916
Conc: 48.42 ng/ml m



#17 AR-1242-2

R.T.: 4.933 min
Delta R.T.: -0.002 min
Response: 2482544
Conc: 59.19 ng/ml m



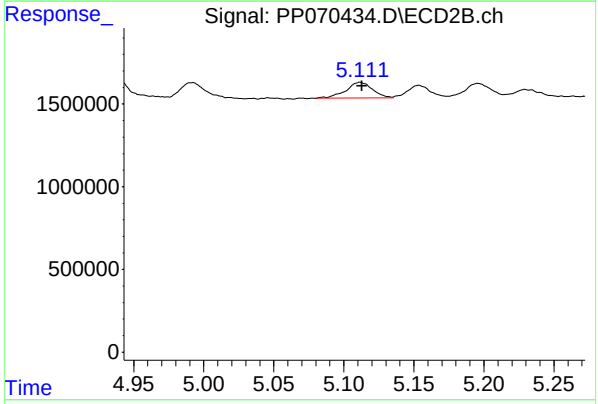
#18 AR-1242-3

R.T.: 5.760 min
Delta R.T.: -0.002 mi
Response: 1673238
Conc: 43.29 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

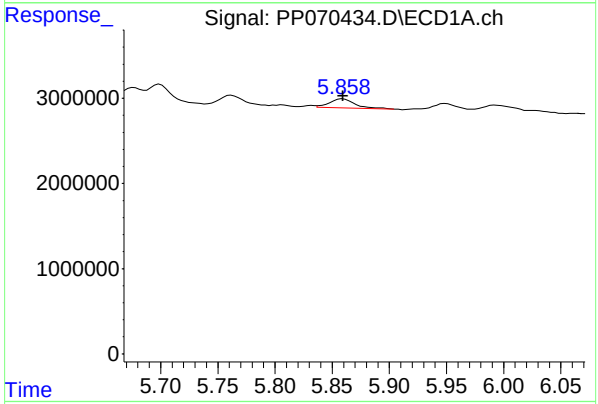
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



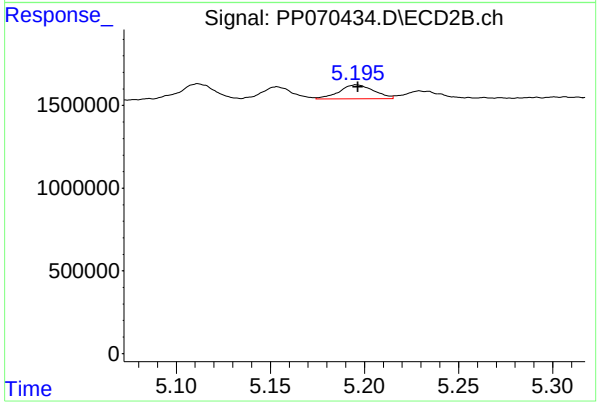
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: -0.001 min
Response: 1256336
Conc: 52.79 ng/ml



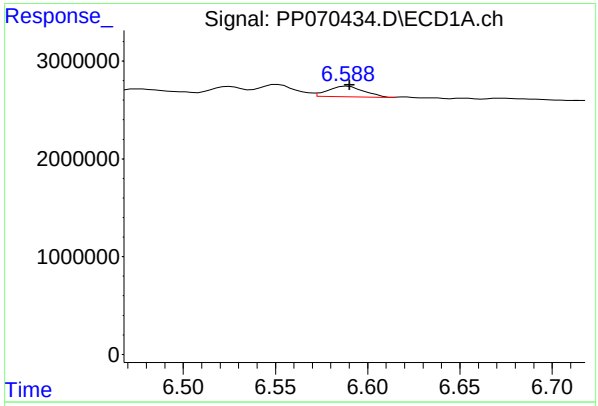
#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.002 min
Response: 1635861
Conc: 50.25 ng/ml m



#19 AR-1242-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 1093177
Conc: 48.87 ng/ml



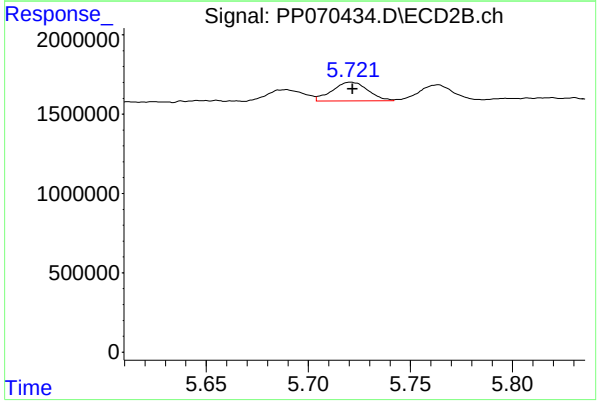
#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 mi
Response: 1456532
Conc: 45.50 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 1442093
Conc: 51.24 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:34
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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...	4.525	3.828	146.4E6	94860764	91.920	91.940
2)	SA Decachlor...	10.253	8.881	101.9E6	93329063	91.773	93.312
	Target Compounds						
21)	L5 AR-1248-1	5.677	4.916	30241509	21916865	879.841	907.978
22)	L5 AR-1248-2	5.949	5.154	39839483	28154371	903.943	890.825
23)	L5 AR-1248-3	6.152	5.196	43671743	29522180	923.824	895.847
24)	L5 AR-1248-4	6.551	5.369	52673121	34974296	915.297	909.809
25)	L5 AR-1248-5	6.590	5.763	49495855	34216861	911.872	888.224

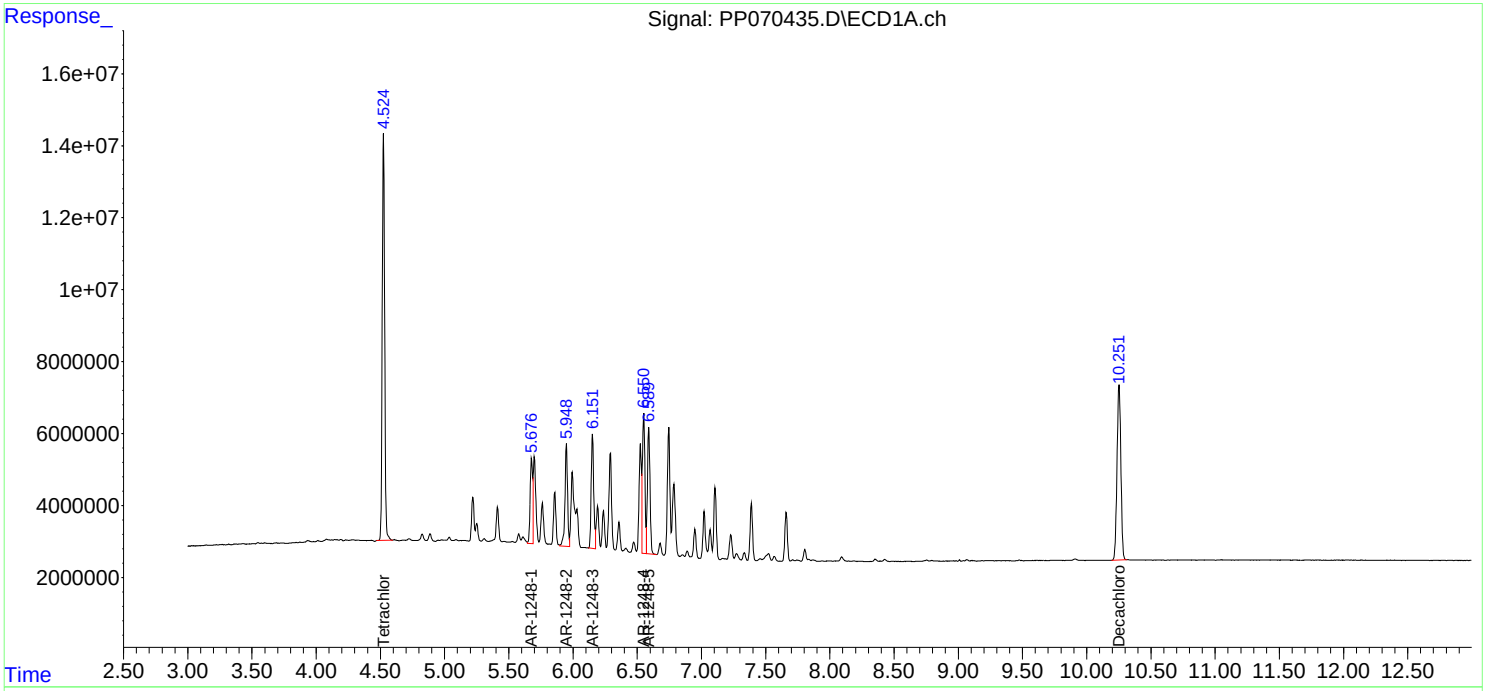
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

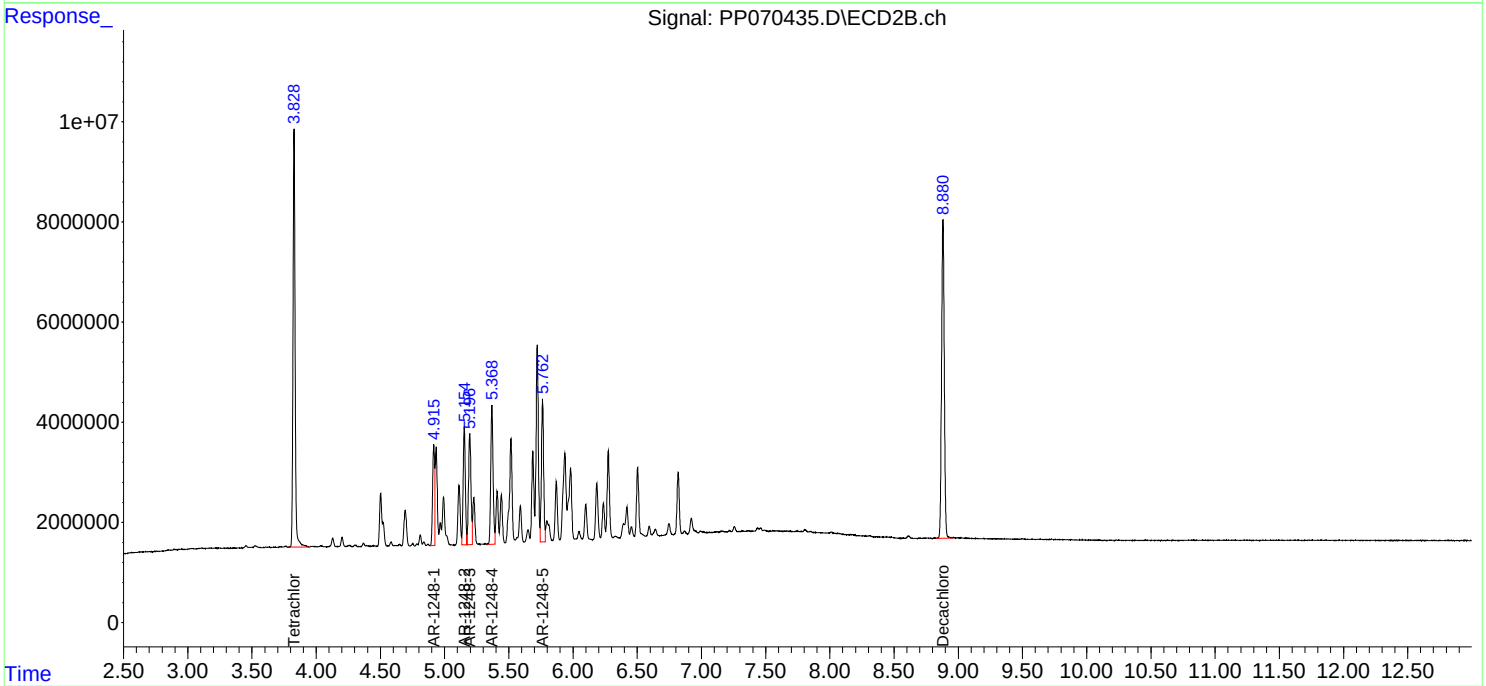
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:34
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

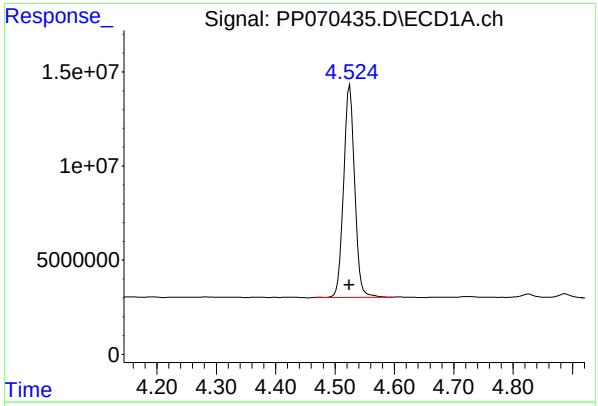
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



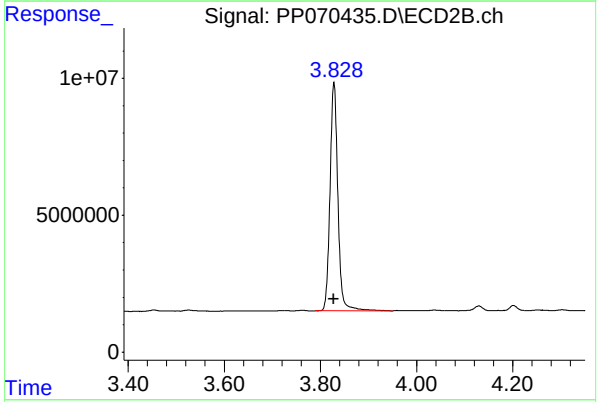




#1 Tetrachloro-m-xylene

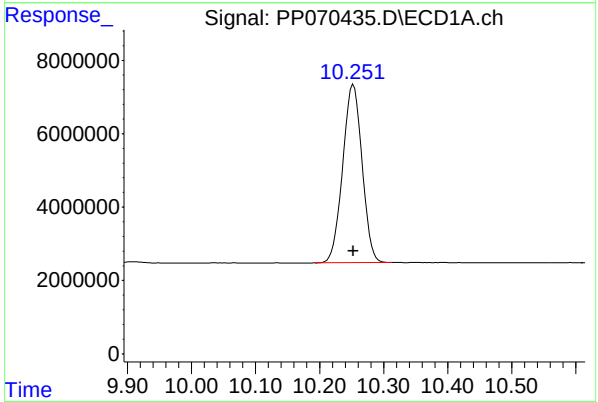
R.T.: 4.525 min
Delta R.T.: 0.001 min
Response: 146436711
Conc: 91.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



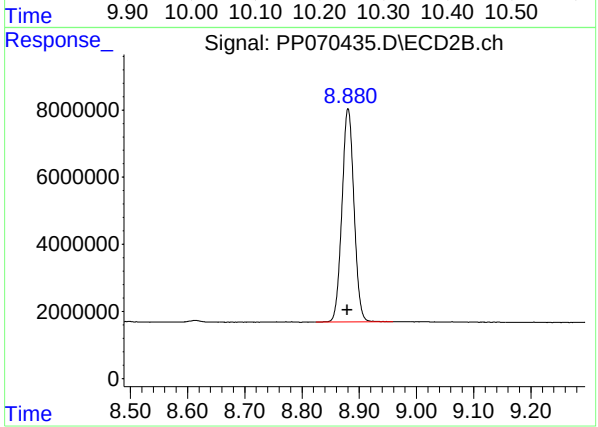
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 94860764
Conc: 91.94 ng/ml



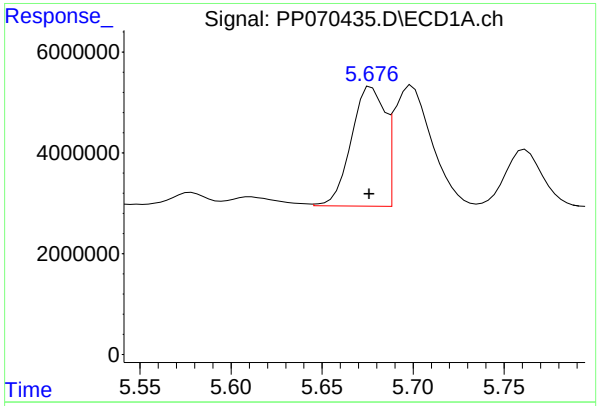
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 101874553
Conc: 91.77 ng/ml



#2 Decachlorobiphenyl

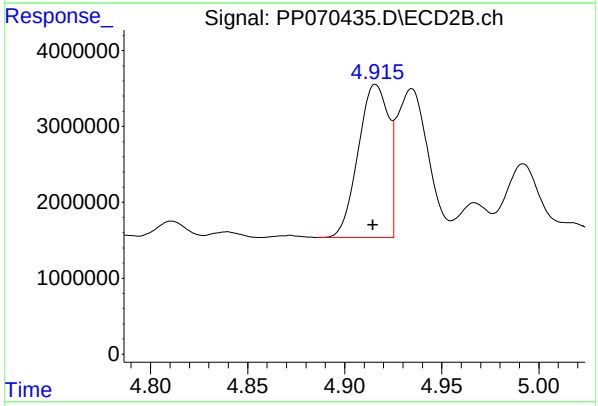
R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 93329063
Conc: 93.31 ng/ml



#21 AR-1248-1

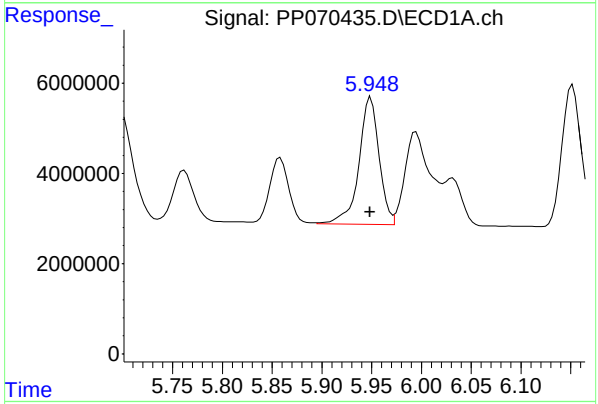
R.T.: 5.677 min
Delta R.T.: 0.001 min
Response: 30241509
Conc: 879.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



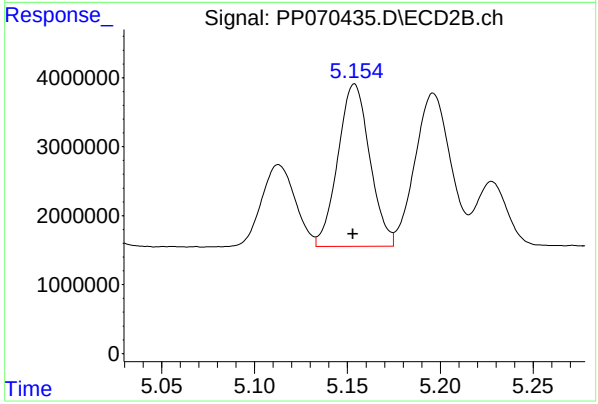
#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 21916865
Conc: 907.98 ng/ml



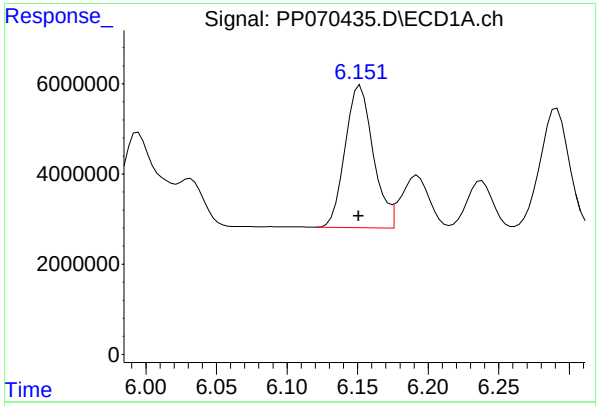
#22 AR-1248-2

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 39839483
Conc: 903.94 ng/ml



#22 AR-1248-2

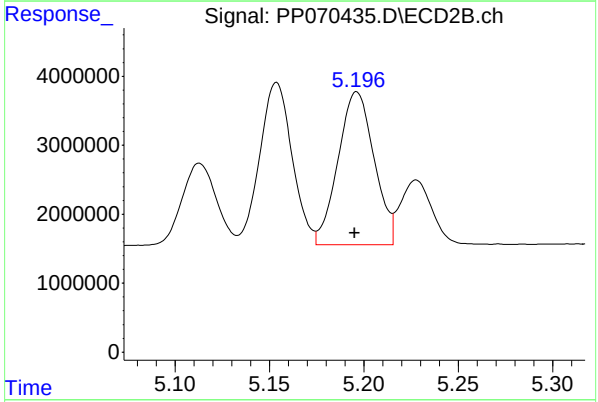
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 28154371
Conc: 890.83 ng/ml



#23 AR-1248-3

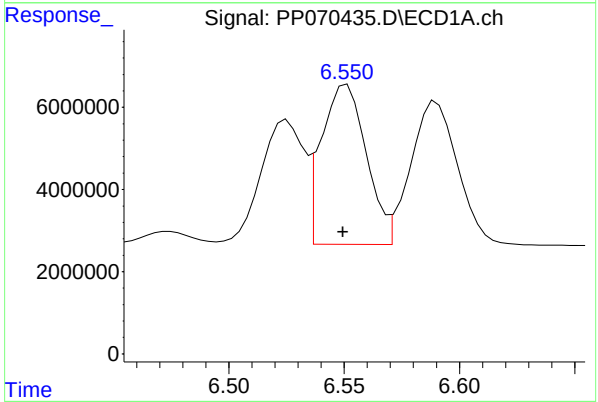
R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 43671743
Conc: 923.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



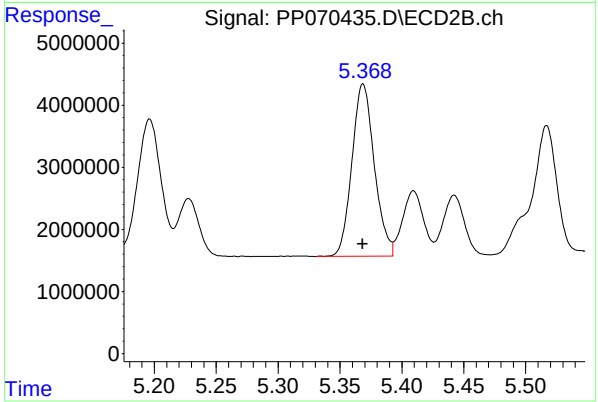
#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.001 min
Response: 29522180
Conc: 895.85 ng/ml



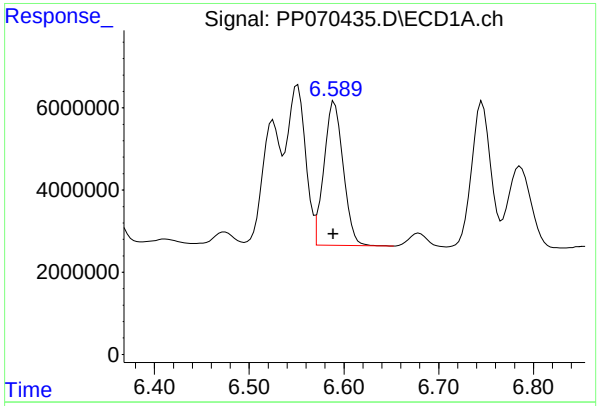
#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 52673121
Conc: 915.30 ng/ml



#24 AR-1248-4

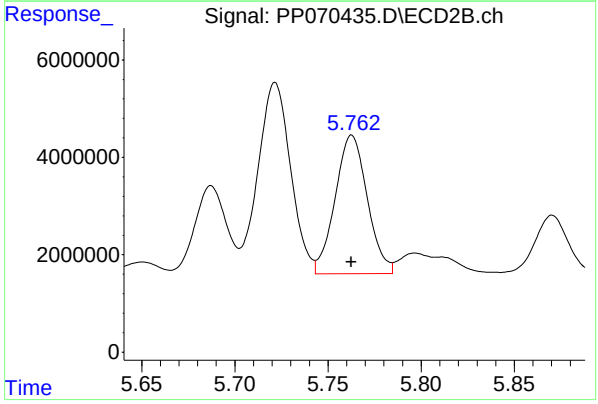
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 34974296
Conc: 909.81 ng/ml



#25 AR-1248-5

R.T.: 6.590 min
Delta R.T.: 0.001 min
Response: 49495855
Conc: 911.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 34216861
Conc: 888.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:50
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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...	4.524	3.829	113.2E6	73390816	71.068	71.131
2)	SA Decachlor...	10.251	8.881	79880946	73652526	71.961	73.639
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.916	23877530	16604955	694.689	687.915
22)	L5 AR-1248-2	5.948	5.154	31299442	21860304	710.173	691.676
23)	L5 AR-1248-3	6.151	5.196	34151551	22815999	722.436	692.349
24)	L5 AR-1248-4	6.550	5.369	41100725	26820014	714.205	697.687
25)	L5 AR-1248-5	6.589	5.763	39169453	26657299	721.627	691.988

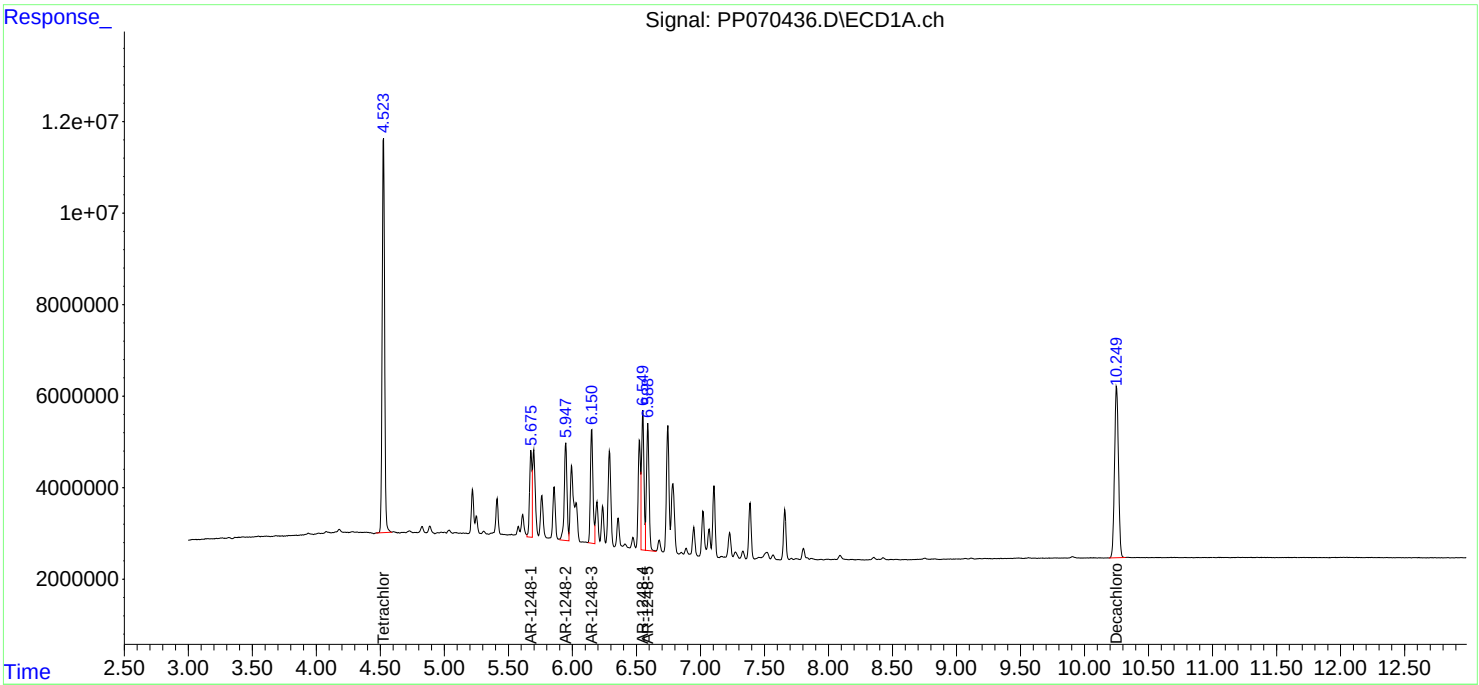
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

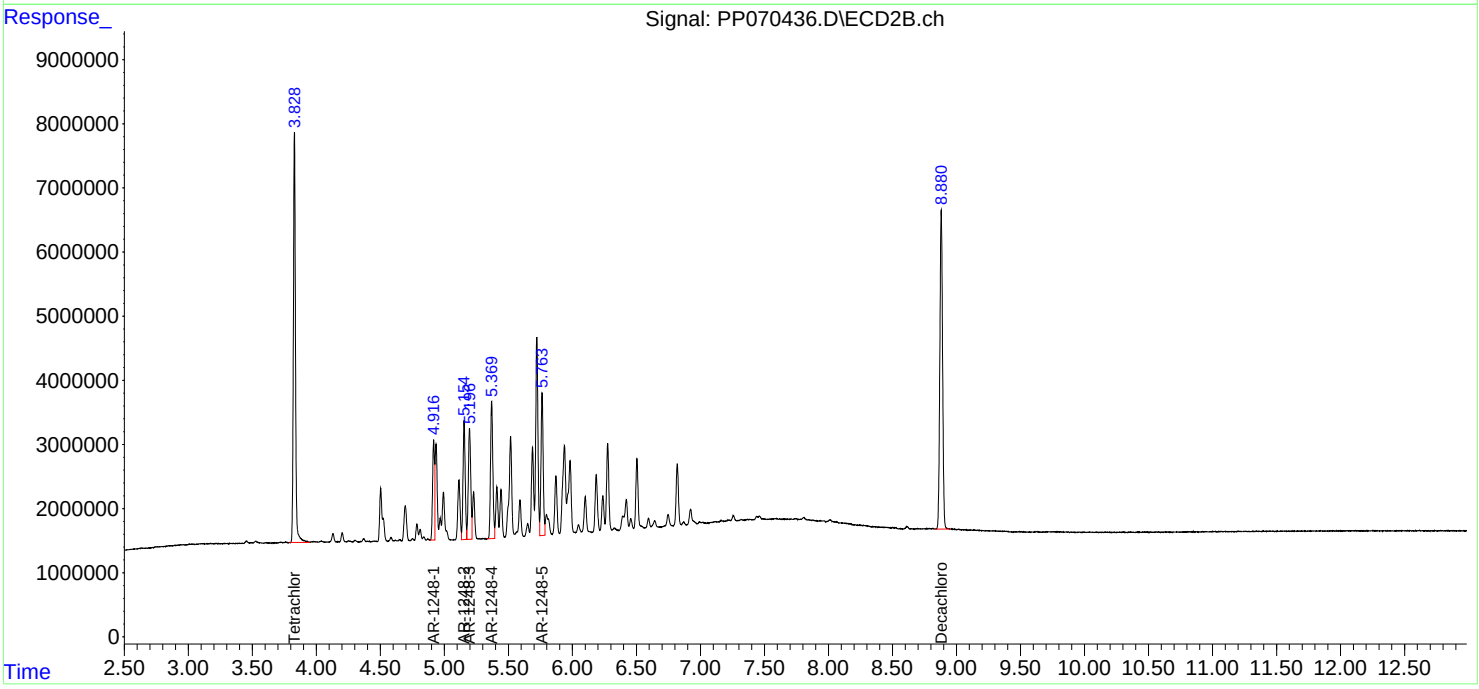
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:50
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

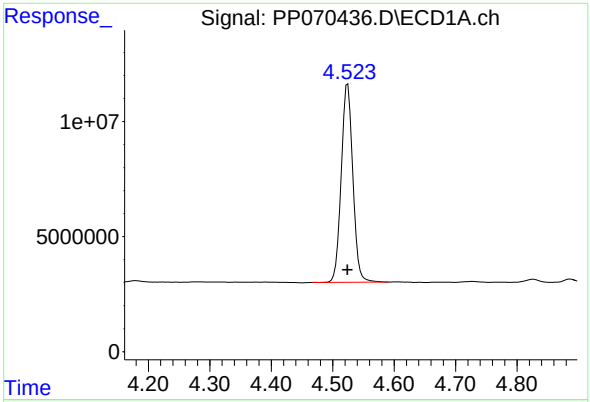
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



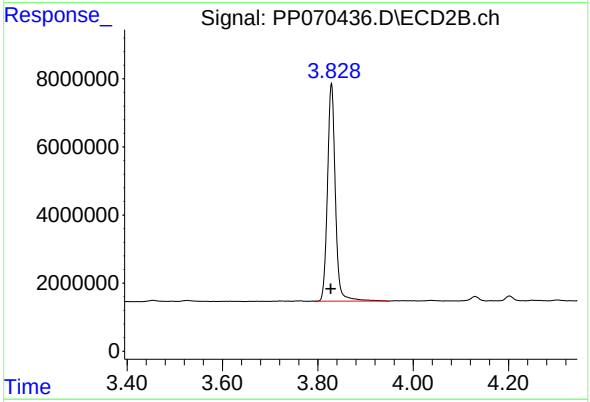




#1 Tetrachloro-m-xylene

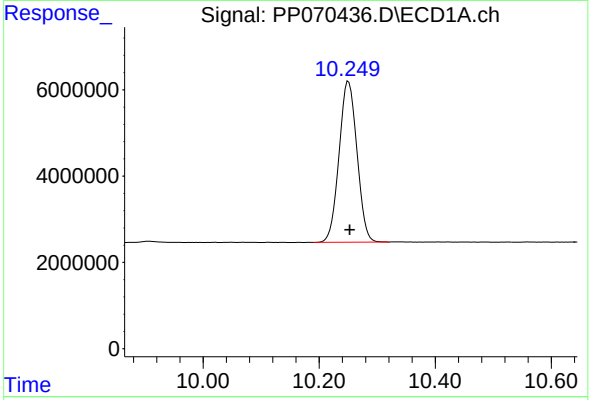
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 113216265
Conc: 71.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



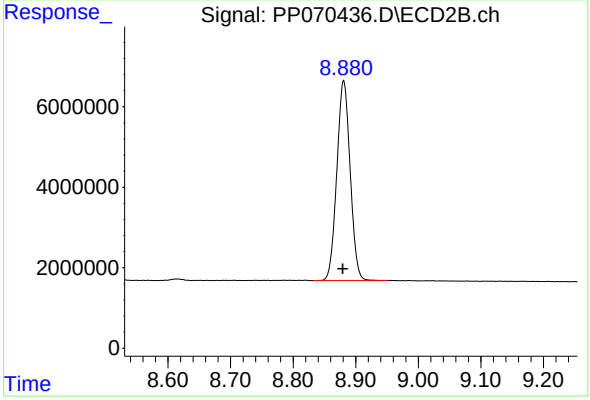
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.001 min
Response: 73390816
Conc: 71.13 ng/ml



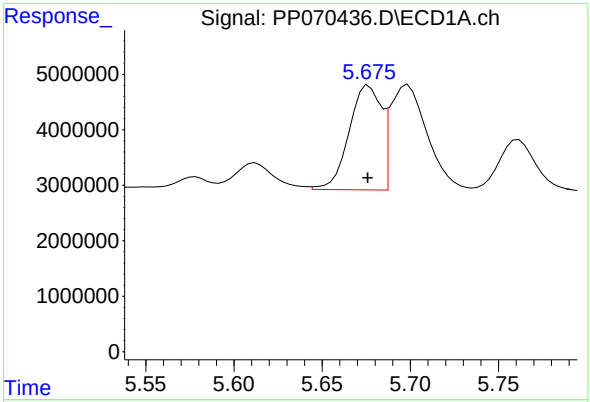
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 79880946
Conc: 71.96 ng/ml



#2 Decachlorobiphenyl

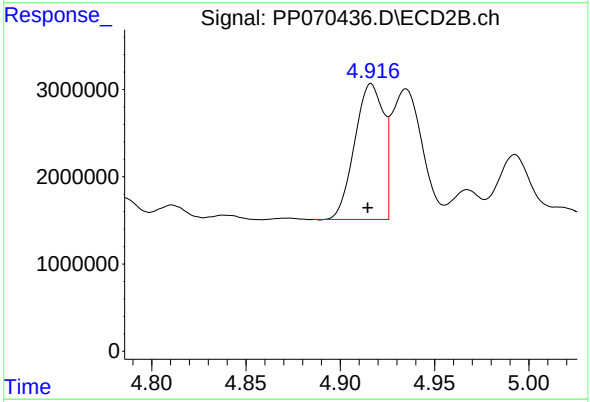
R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 73652526
Conc: 73.64 ng/ml



#21 AR-1248-1

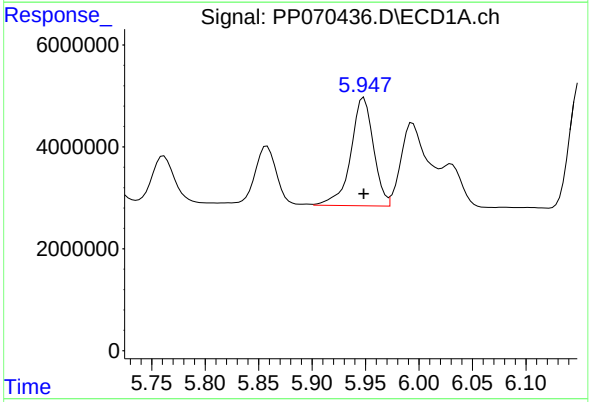
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 23877530
Conc: 694.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



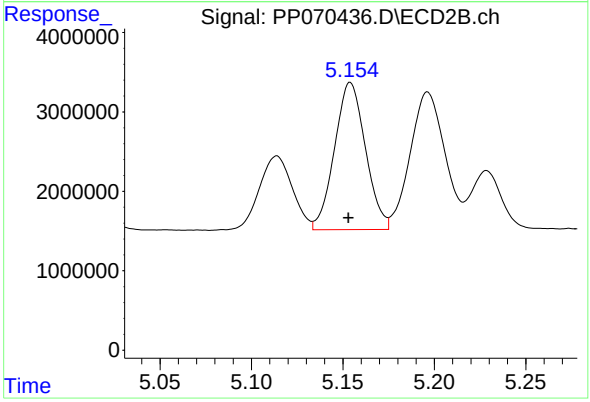
#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 16604955
Conc: 687.91 ng/ml



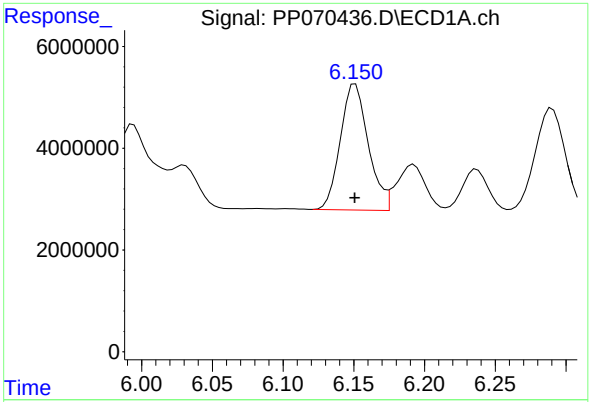
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 31299442
Conc: 710.17 ng/ml



#22 AR-1248-2

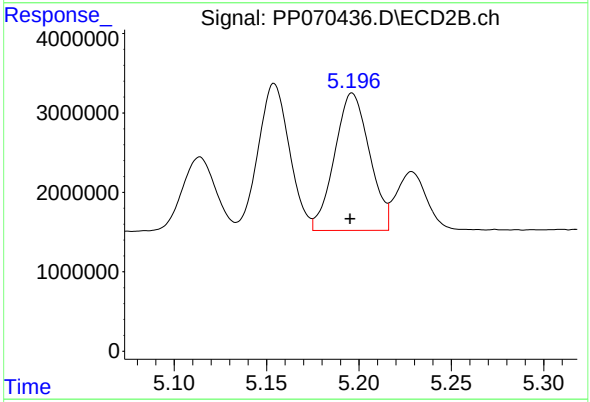
R.T.: 5.154 min
Delta R.T.: 0.001 min
Response: 21860304
Conc: 691.68 ng/ml



#23 AR-1248-3

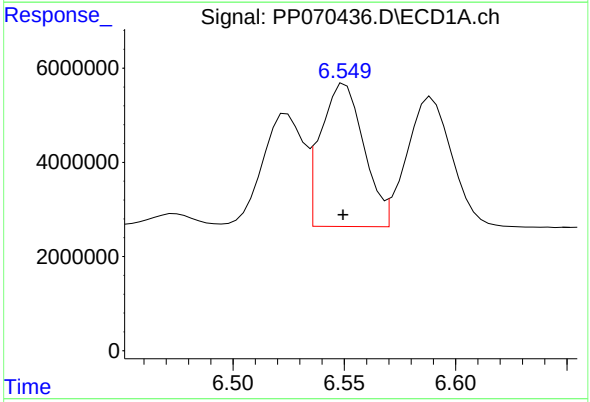
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 34151551
Conc: 722.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



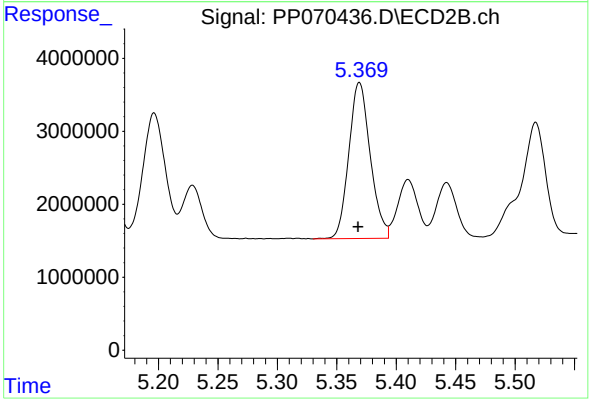
#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.001 min
Response: 22815999
Conc: 692.35 ng/ml



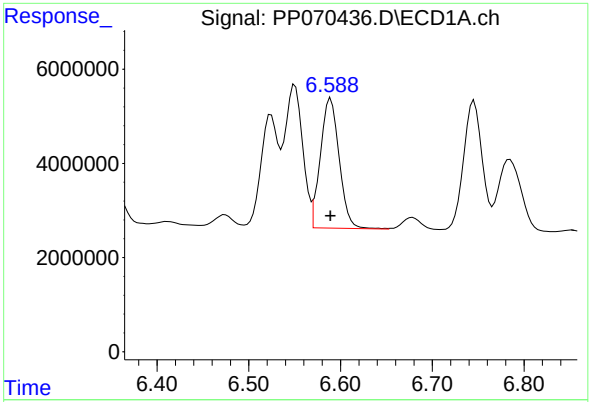
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 41100725
Conc: 714.20 ng/ml



#24 AR-1248-4

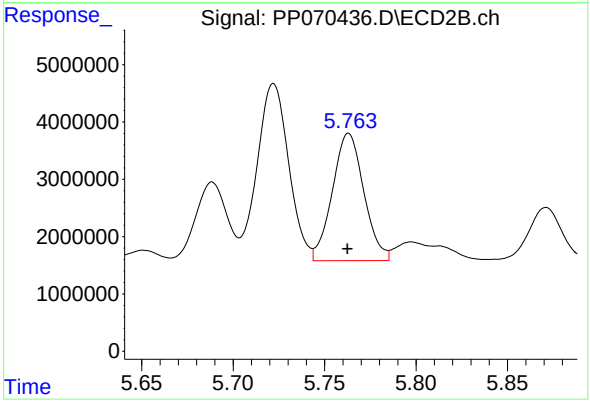
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 26820014
Conc: 697.69 ng/ml



#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 39169453
Conc: 721.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 26657299
Conc: 691.99 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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...	4.524	3.828	79654020	51588428	50.000	50.000
2)	SA Decachlor...	10.252	8.879	55503319	50009409	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.915	17185780	12069051	500.000	500.000
22)	L5 AR-1248-2	5.948	5.153	22036493	15802407	500.000	500.000
23)	L5 AR-1248-3	6.151	5.195	23636389	16477236	500.000	500.000
24)	L5 AR-1248-4	6.550	5.368	28773776	19220672	500.000	500.000
25)	L5 AR-1248-5	6.589	5.762	27139688	19261400	500.000	500.000

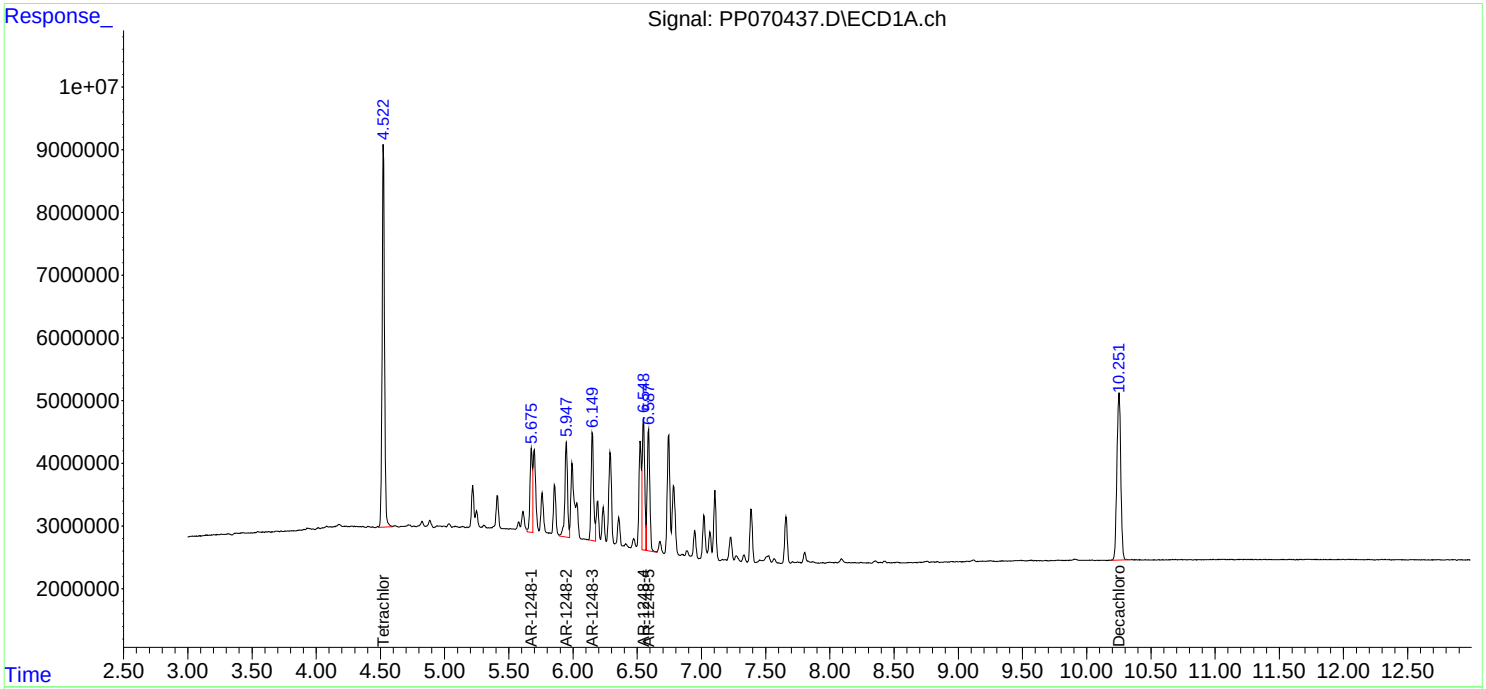
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

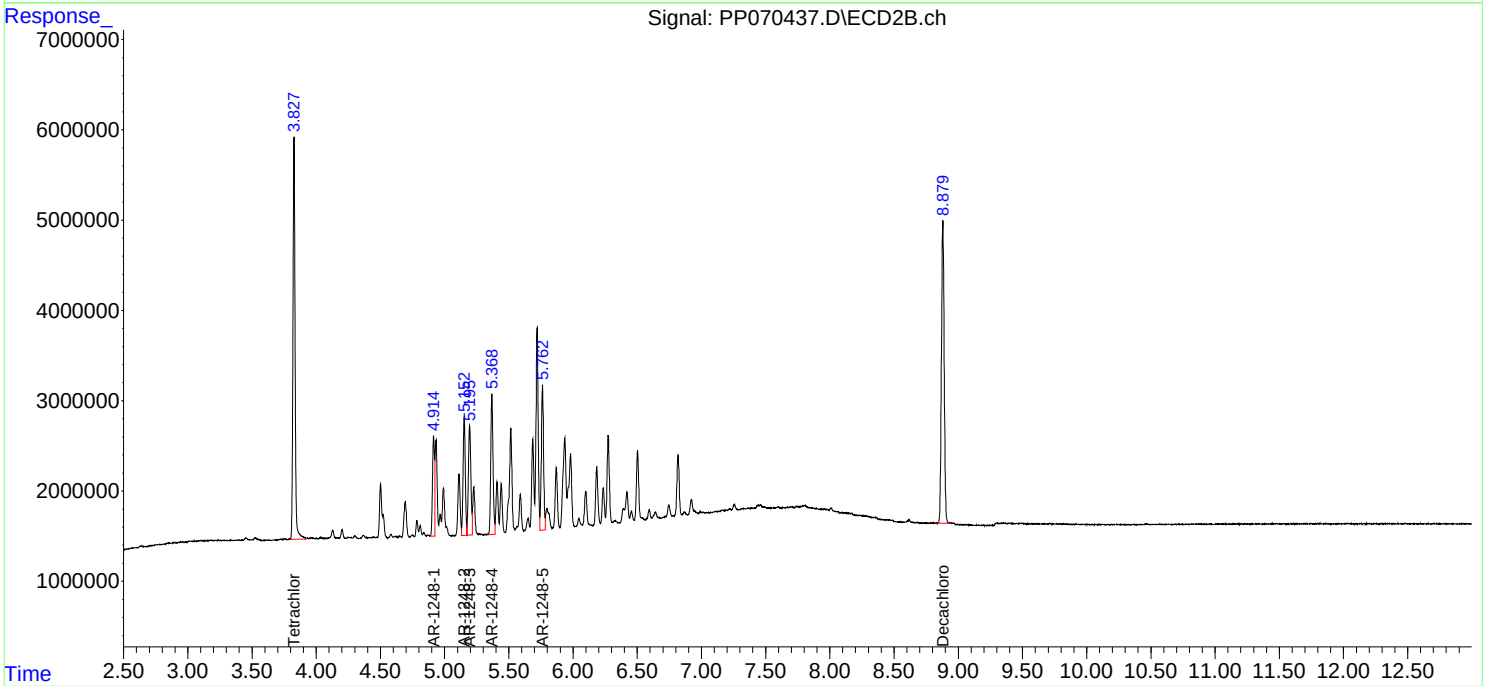
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

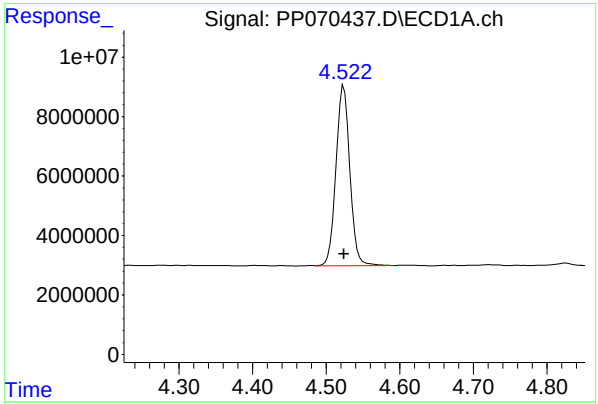
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



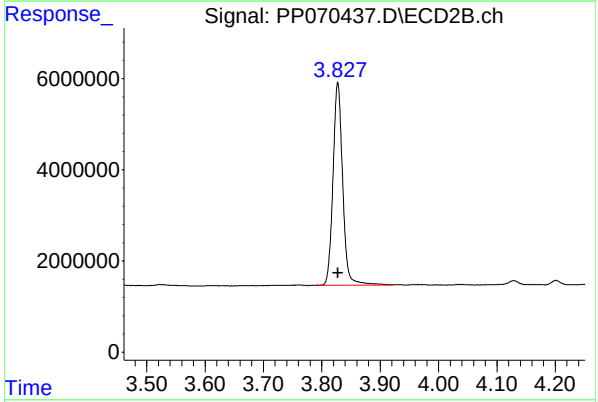




#1 Tetrachloro-m-xylene

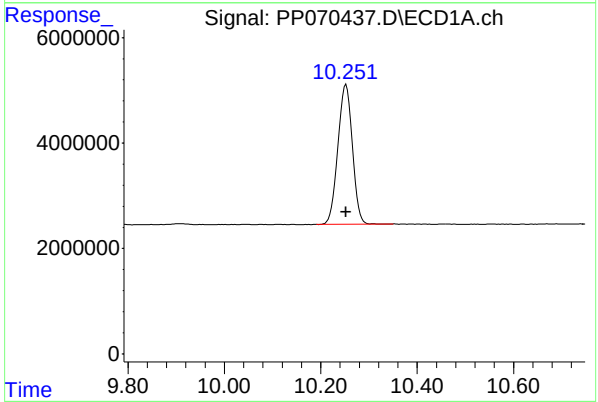
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79654020
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



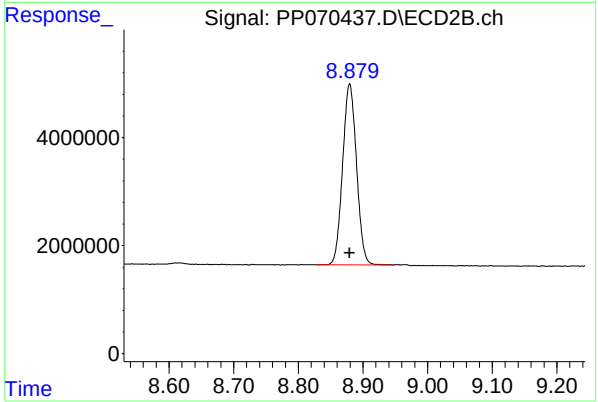
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51588428
Conc: 50.00 ng/ml



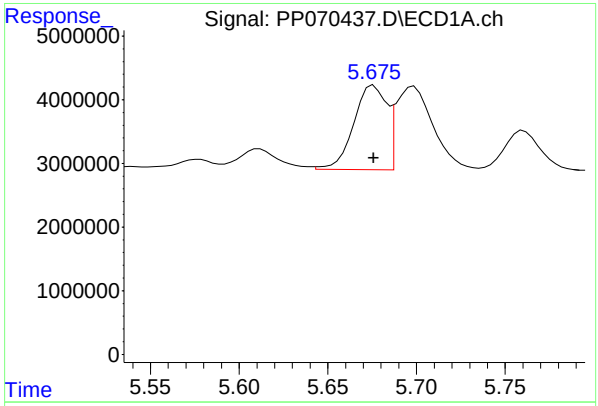
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 55503319
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

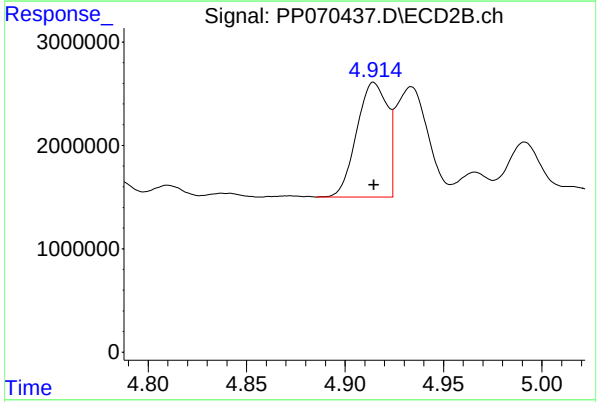
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 50009409
Conc: 50.00 ng/ml



#21 AR-1248-1

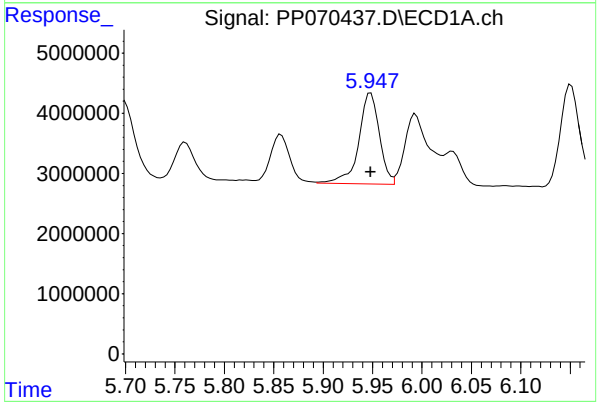
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 17185780
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



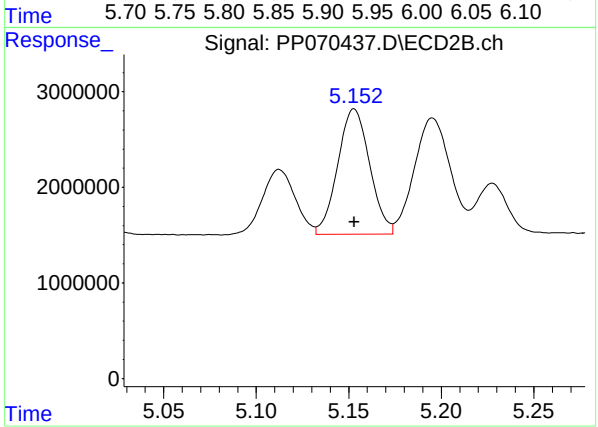
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 12069051
Conc: 500.00 ng/ml



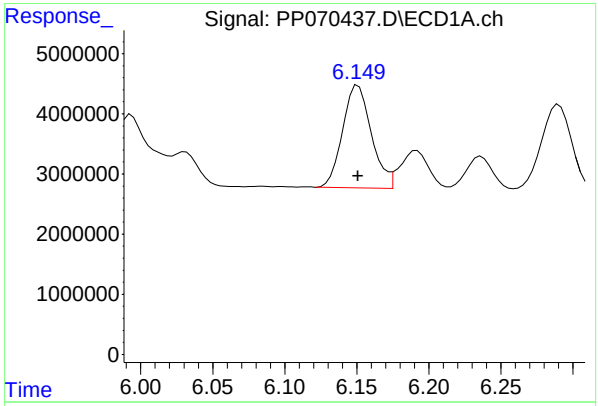
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 22036493
Conc: 500.00 ng/ml



#22 AR-1248-2

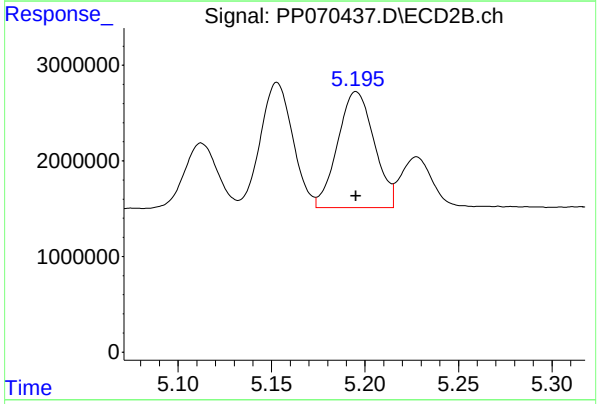
R.T.: 5.153 min
Delta R.T.: 0.000 min
Response: 15802407
Conc: 500.00 ng/ml



#23 AR-1248-3

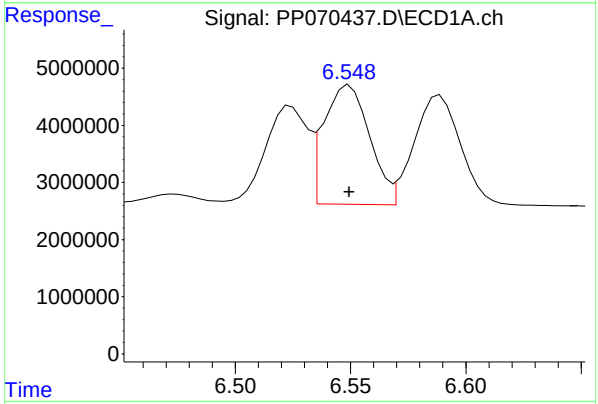
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 23636389
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



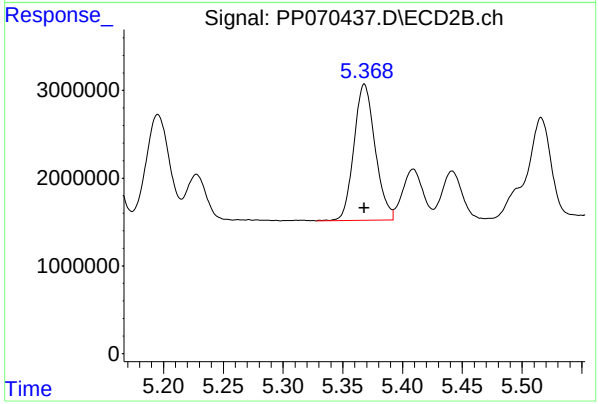
#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 16477236
Conc: 500.00 ng/ml



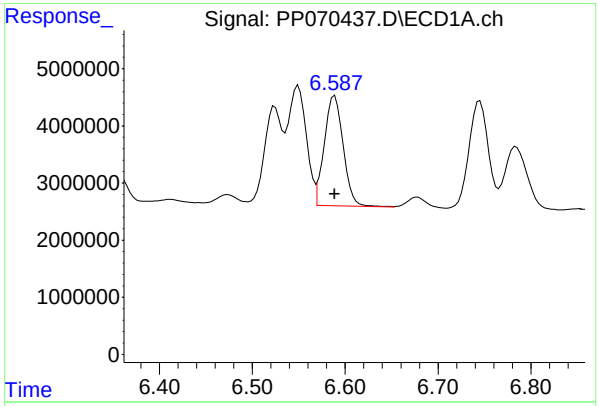
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 28773776
Conc: 500.00 ng/ml



#24 AR-1248-4

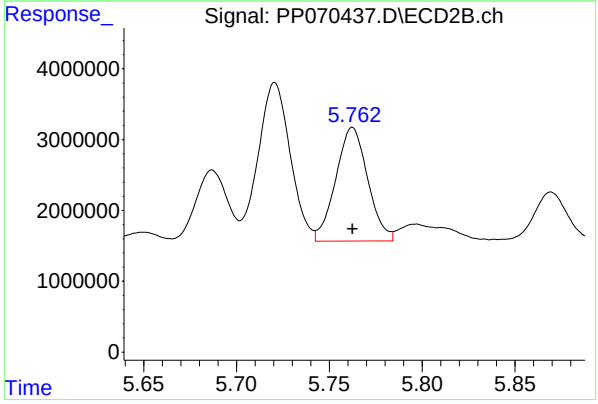
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 19220672
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 27139688
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19261400
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:22
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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...	4.524	3.828	41374738	26771120	25.972	25.947
2)	SA Decachlor...	10.251	8.880	29104206	26702465	26.218	26.697
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.915	9469927	6320408	275.516	261.844
22)	L5 AR-1248-2	5.948	5.154	11796932	8326683	267.668	263.462
23)	L5 AR-1248-3	6.151	5.196	12207368	8590669	258.233	260.683
24)	L5 AR-1248-4	6.550	5.369	15337045	10215741	266.511	265.749
25)	L5 AR-1248-5	6.589	5.762	14358955	10127337	264.538	262.892

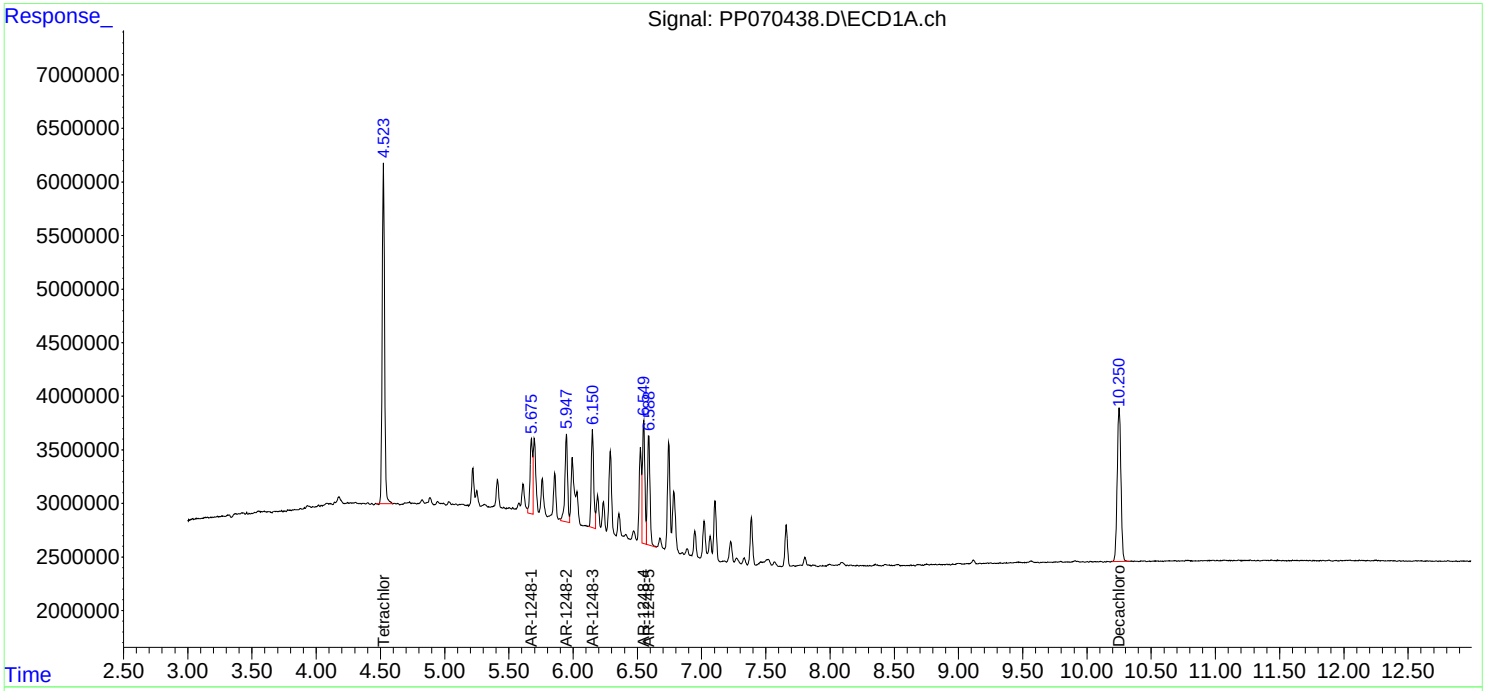
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

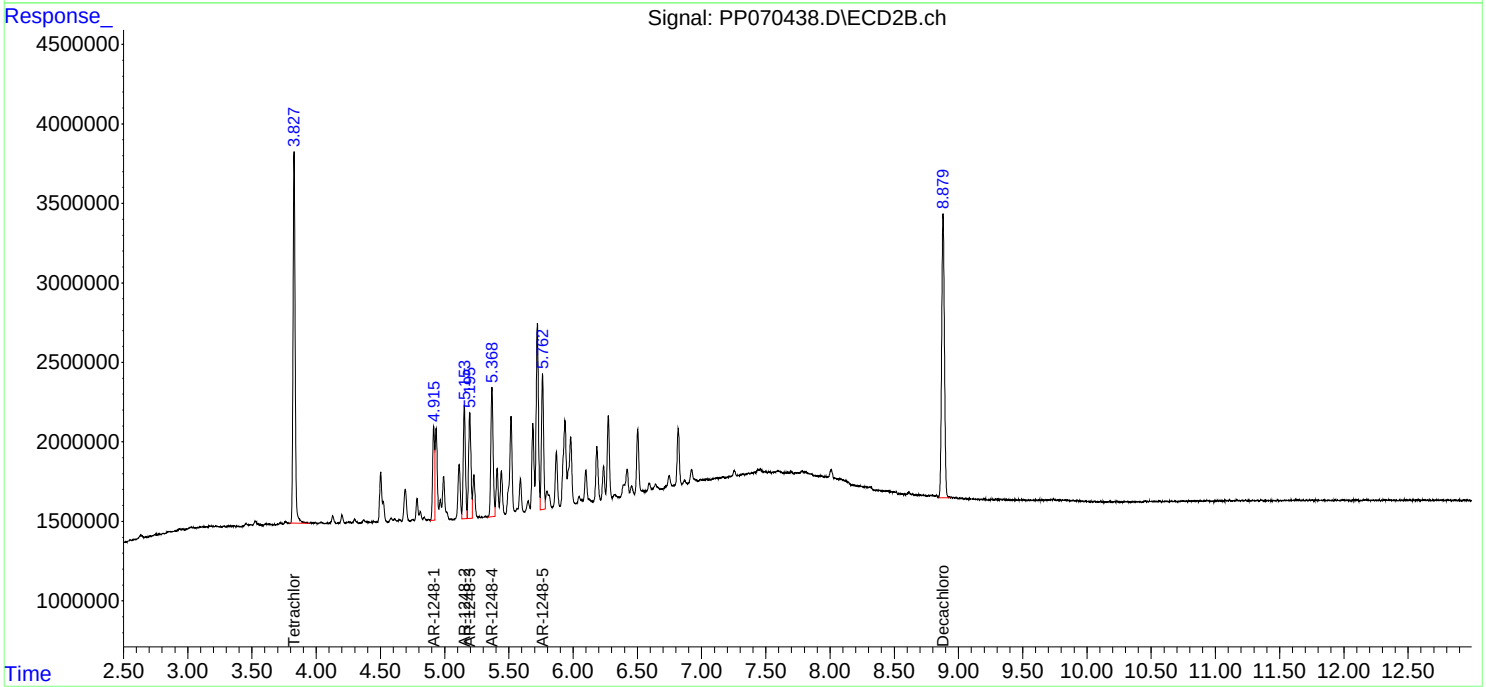
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:22
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

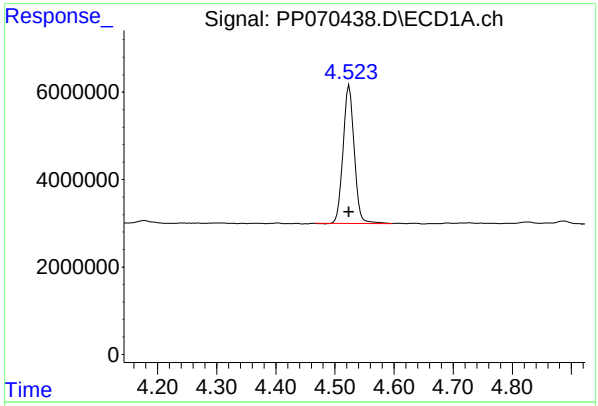
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



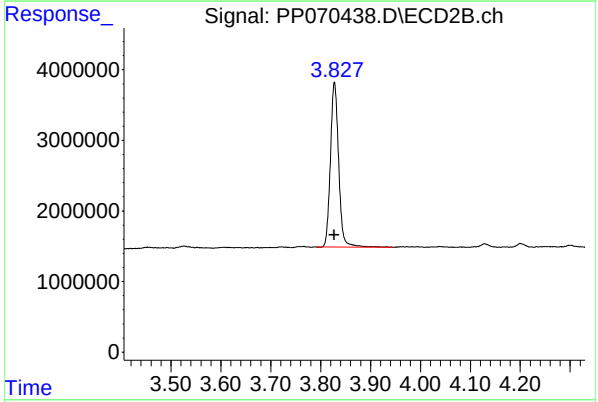




#1 Tetrachloro-m-xylene

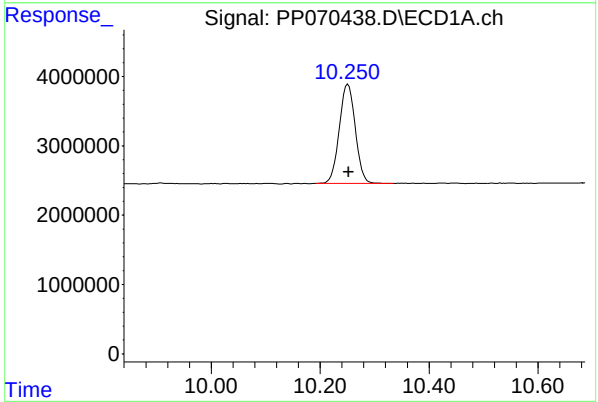
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 41374738
Conc: 25.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



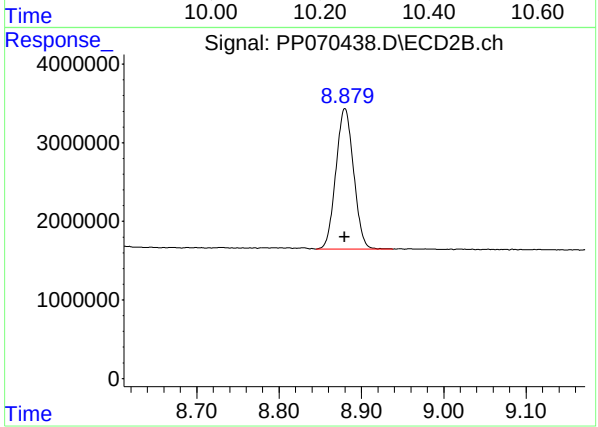
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26771120
Conc: 25.95 ng/ml



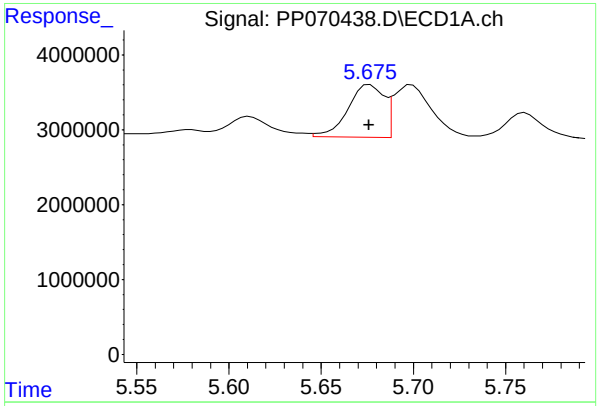
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.001 min
Response: 29104206
Conc: 26.22 ng/ml



#2 Decachlorobiphenyl

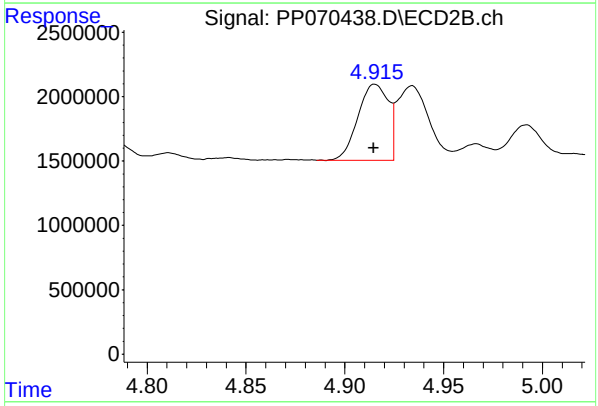
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 26702465
Conc: 26.70 ng/ml



#21 AR-1248-1

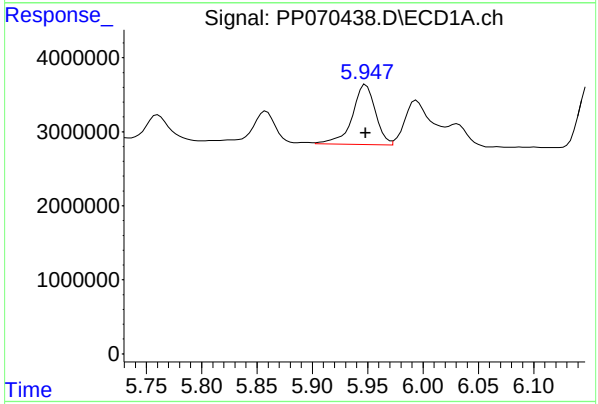
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 9469927
Conc: 275.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



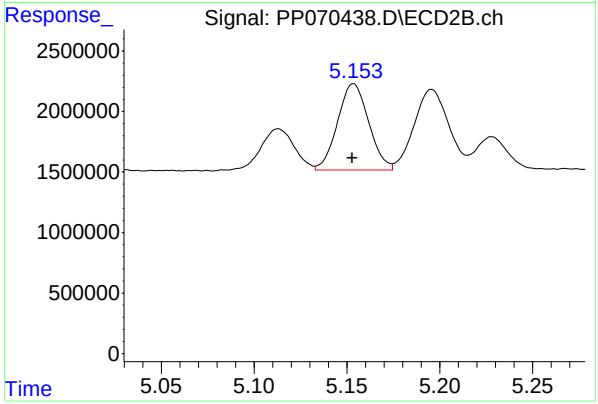
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 6320408
Conc: 261.84 ng/ml



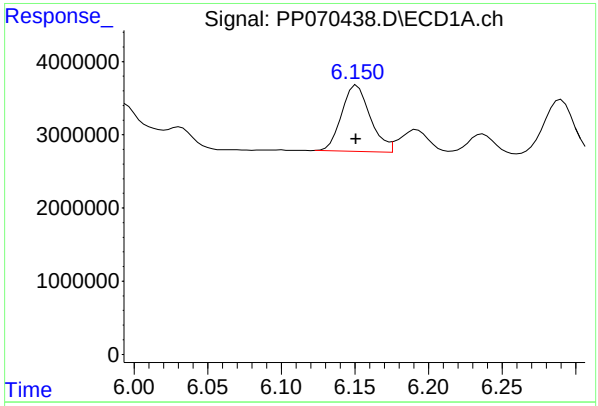
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 11796932
Conc: 267.67 ng/ml



#22 AR-1248-2

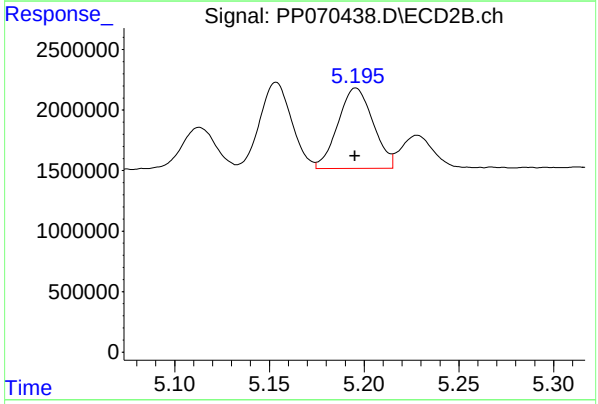
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 8326683
Conc: 263.46 ng/ml



#23 AR-1248-3

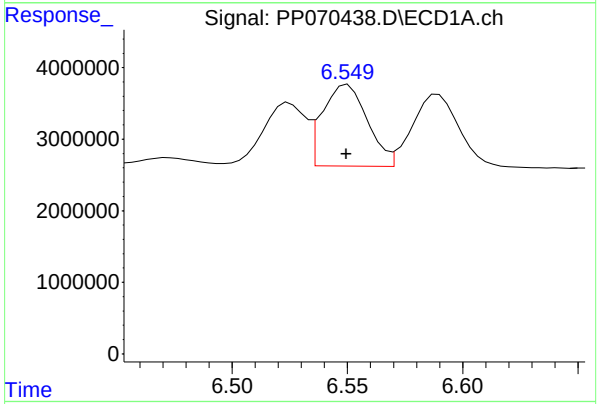
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 12207368
Conc: 258.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



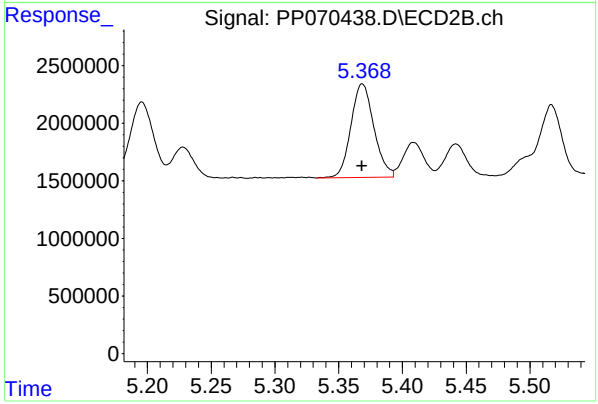
#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 8590669
Conc: 260.68 ng/ml



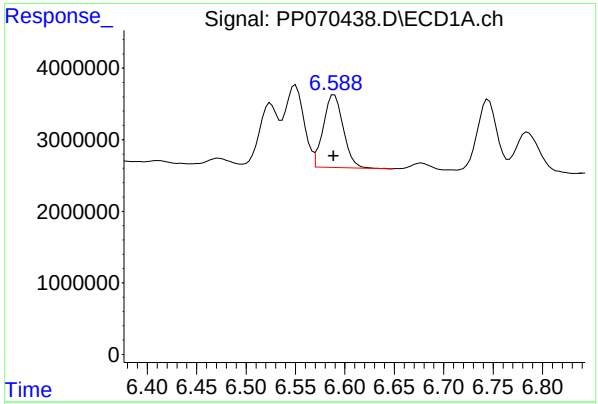
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 15337045
Conc: 266.51 ng/ml



#24 AR-1248-4

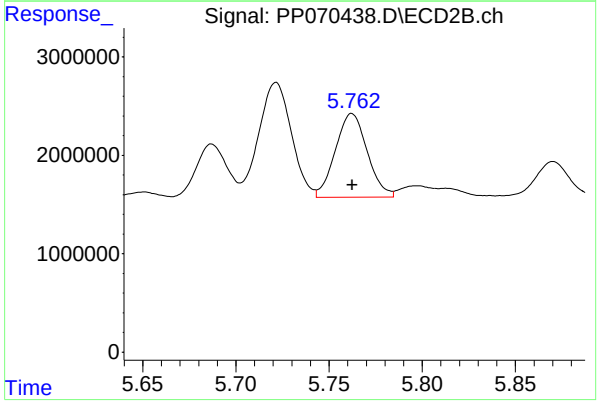
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 10215741
Conc: 265.75 ng/ml



#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 14358955
Conc: 264.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 10127337
Conc: 262.89 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:39
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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...	4.524	3.828	8186392	5340424	5.139	5.176
2)	SA Decachlor...	10.252	8.879	5222131	5077972	4.704	5.077
	Target Compounds						
21)	L5 AR-1248-1	5.675	4.916	1822515	1195056	53.024m	49.509
22)	L5 AR-1248-2	5.946	5.154	1970177	1715212	44.703m	54.271
23)	L5 AR-1248-3	6.152	5.195	2271691	1567360	48.055	47.561
24)	L5 AR-1248-4	6.551	5.368	3179324	2241362	55.247	58.306
25)	L5 AR-1248-5	6.588	5.762	2749990	2082066	50.664	54.048

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

ICAL Form

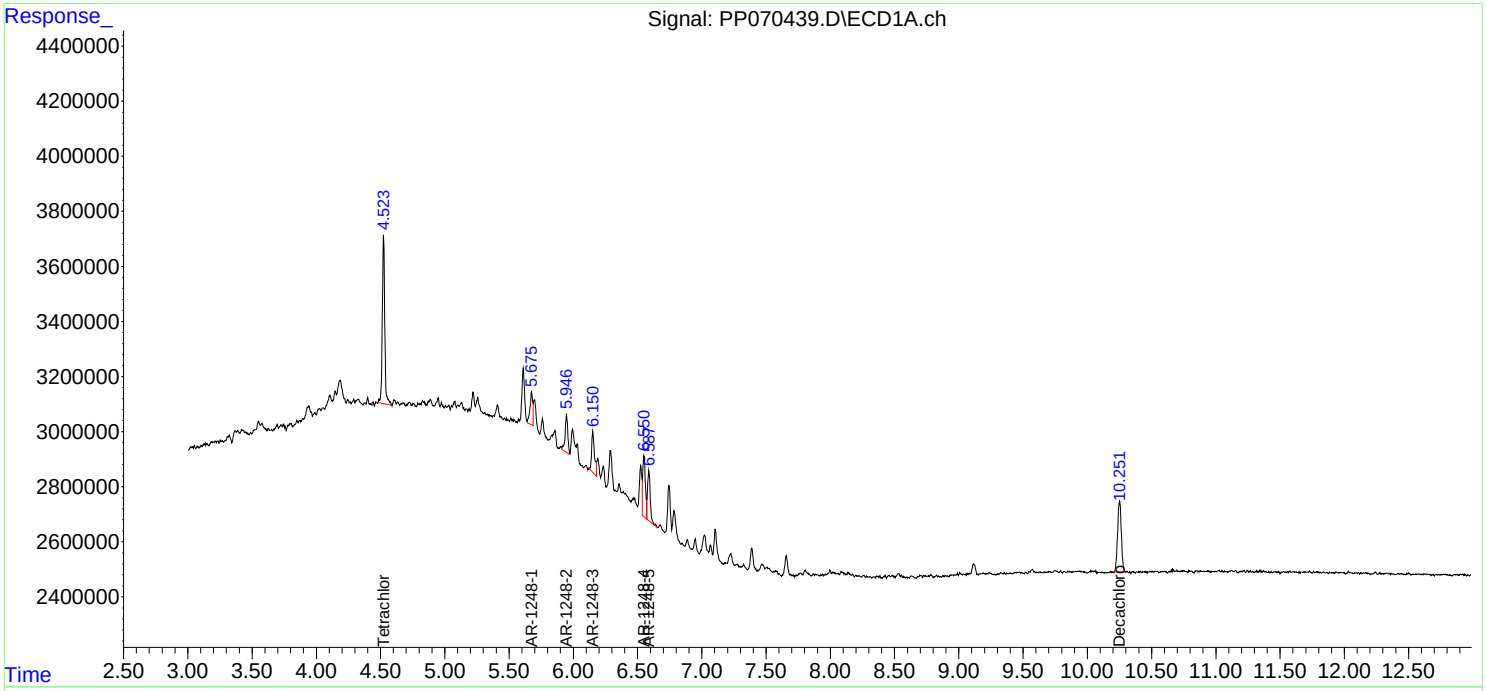
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:39
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

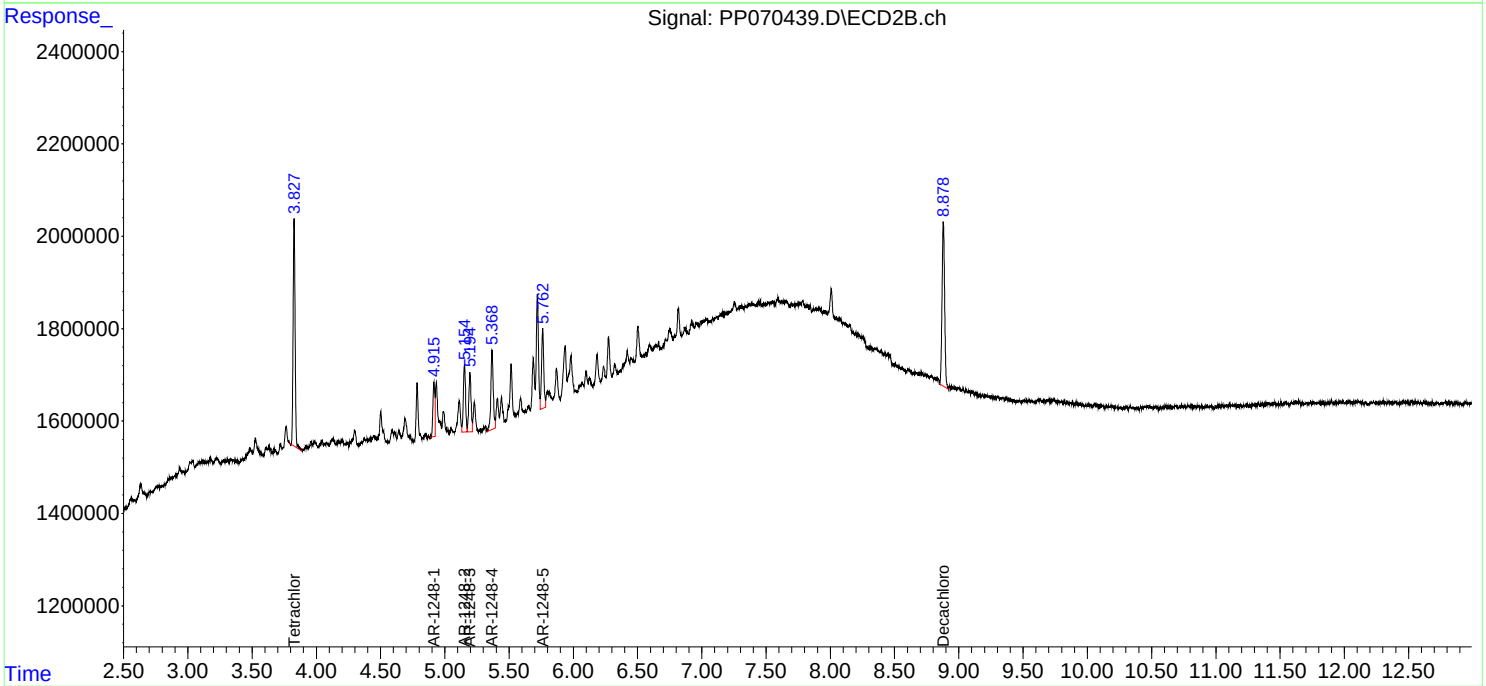
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

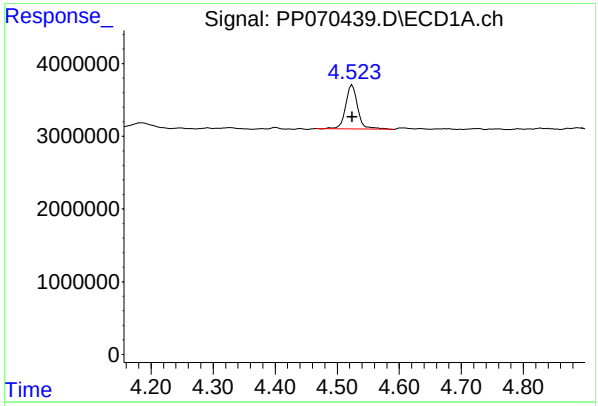
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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







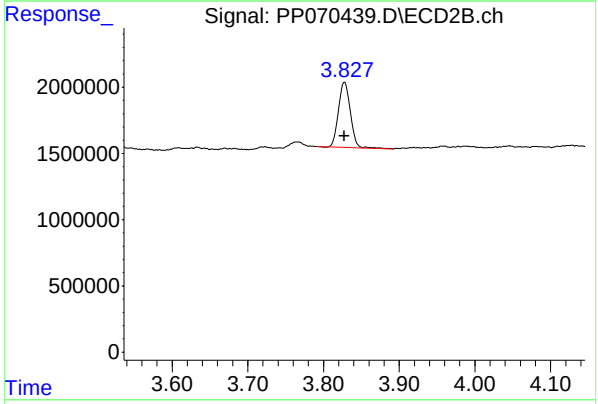
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 8186392
Conc: 5.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

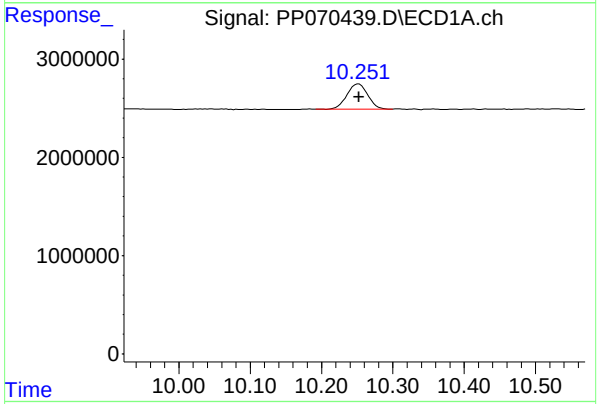
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



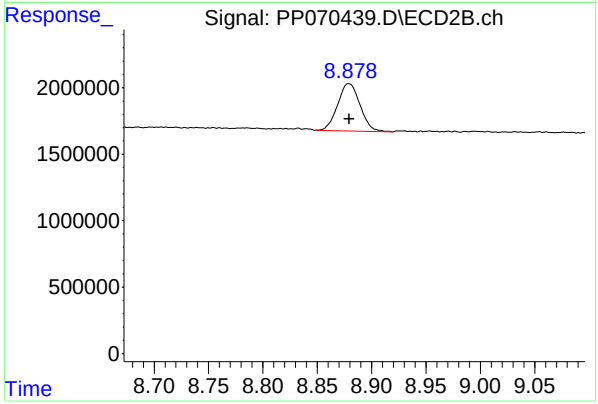
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5340424
Conc: 5.18 ng/ml



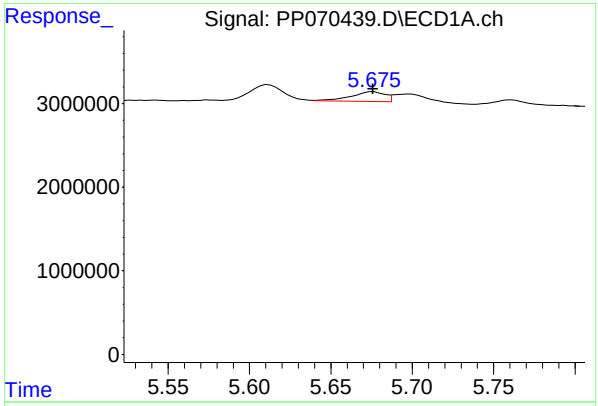
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 5222131
Conc: 4.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 5077972
Conc: 5.08 ng/ml



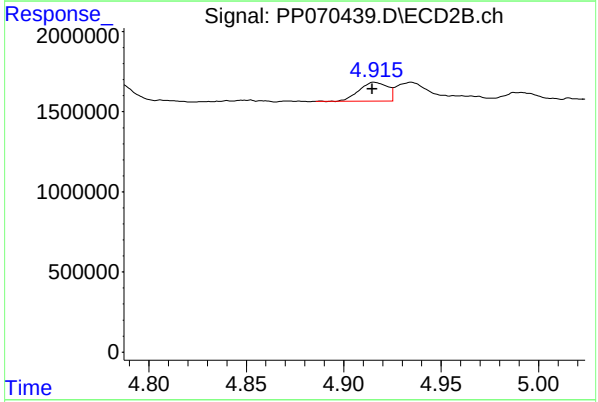
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 1822515
Conc: 53.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

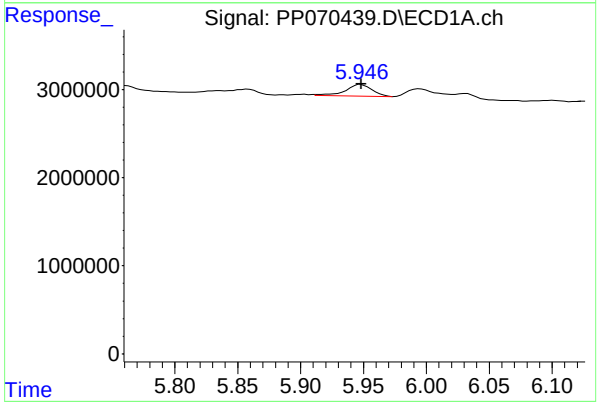
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



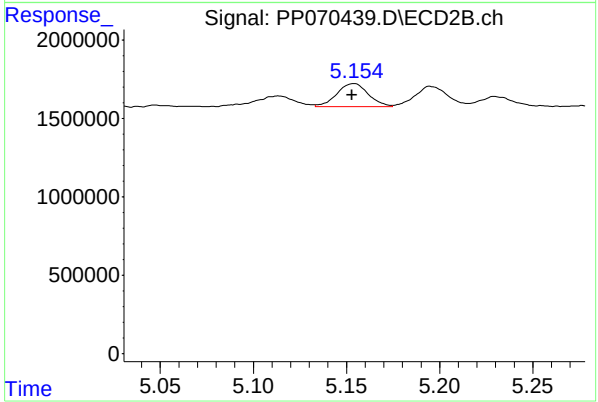
#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 1195056
Conc: 49.51 ng/ml



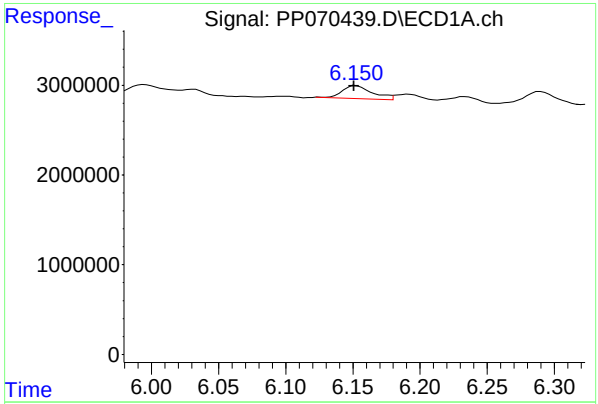
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 1970177
Conc: 44.70 ng/ml m



#22 AR-1248-2

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 1715212
Conc: 54.27 ng/ml



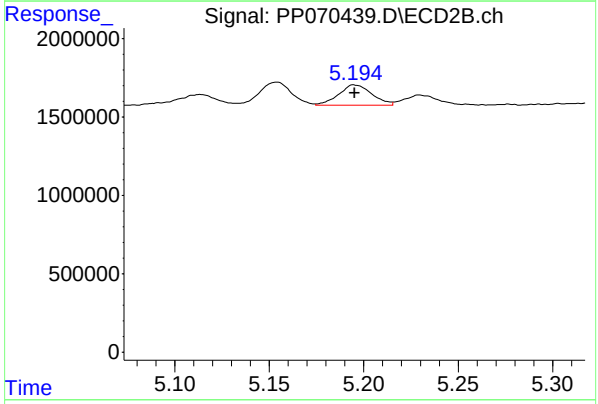
#23 AR-1248-3

R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 2271691
Conc: 48.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

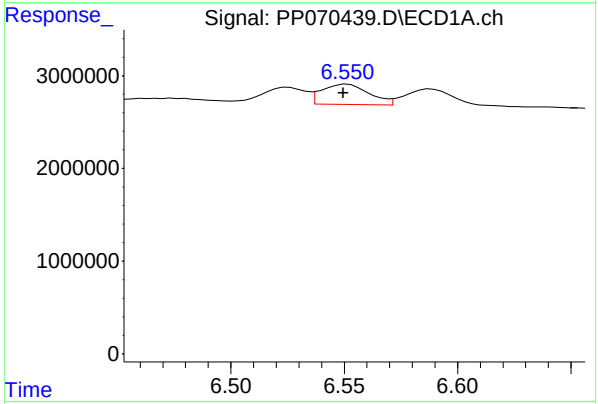
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



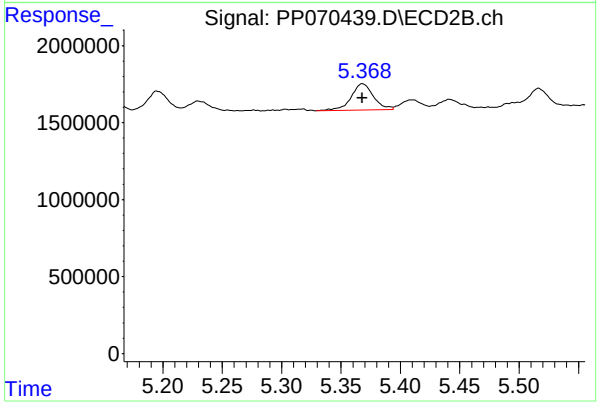
#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 1567360
Conc: 47.56 ng/ml



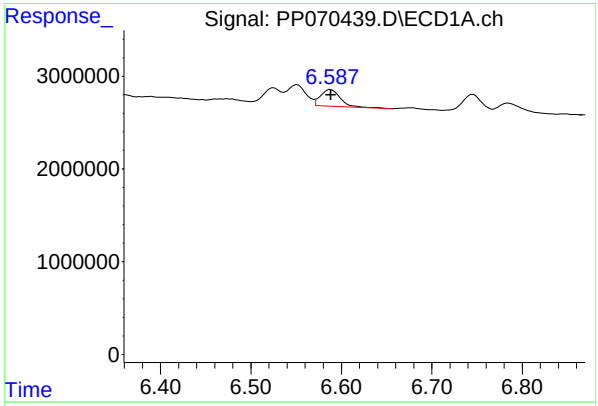
#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 3179324
Conc: 55.25 ng/ml



#24 AR-1248-4

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 2241362
Conc: 58.31 ng/ml



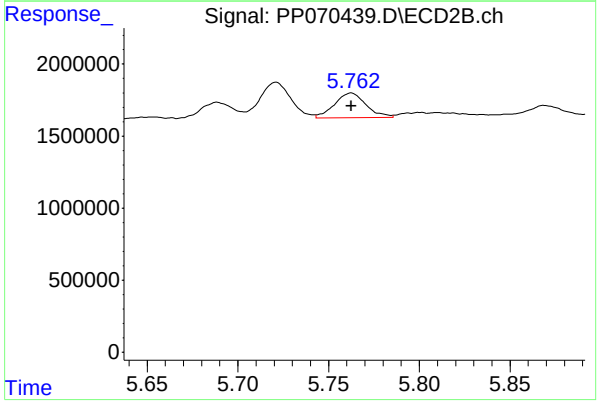
#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 2749990
Conc: 50.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 2082066
Conc: 54.05 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:55
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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...	4.525	3.828	149.1E6	96720518	93.390	94.825
2)	SA Decachlor...	10.251	8.879	105.2E6	96618792	92.933	88.886
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.722	52191144	49741488	893.548	880.090
27)	L6 AR-1254-2	6.743	5.870	76163232	43195538	909.453	890.167
28)	L6 AR-1254-3	7.106	6.275	78867294	69004581	913.417	911.168
29)	L6 AR-1254-4	7.389	6.503	65665428	48529875	916.687	908.500
30)	L6 AR-1254-5	7.806	6.922	65604720	63254548	923.372	917.897

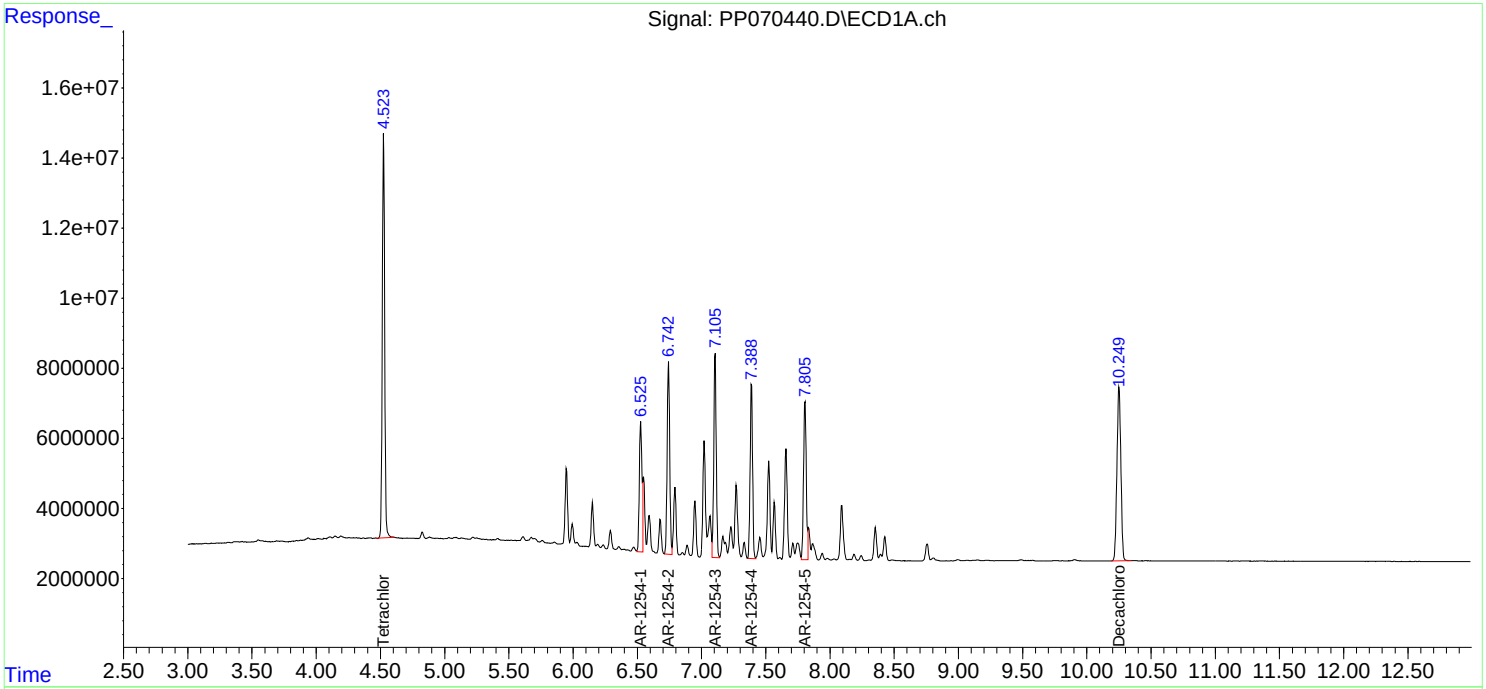
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

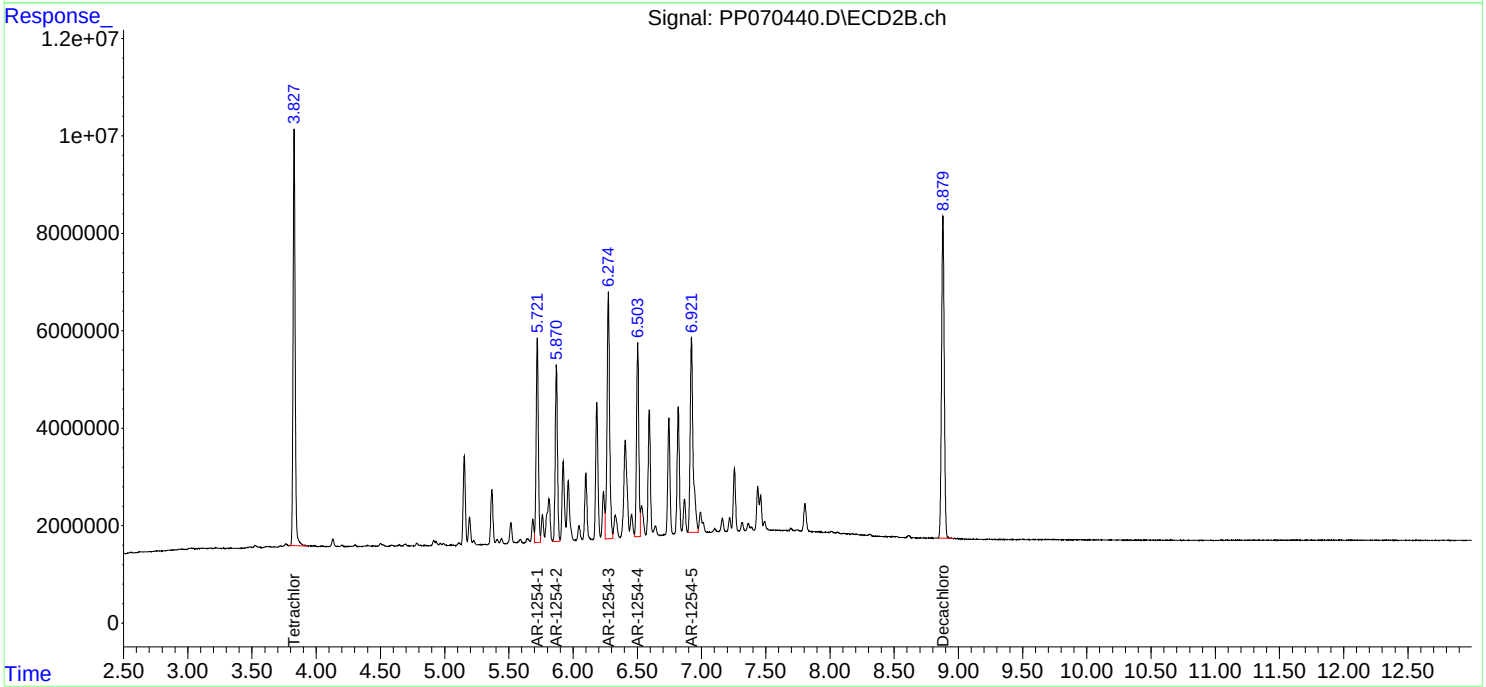
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:55
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

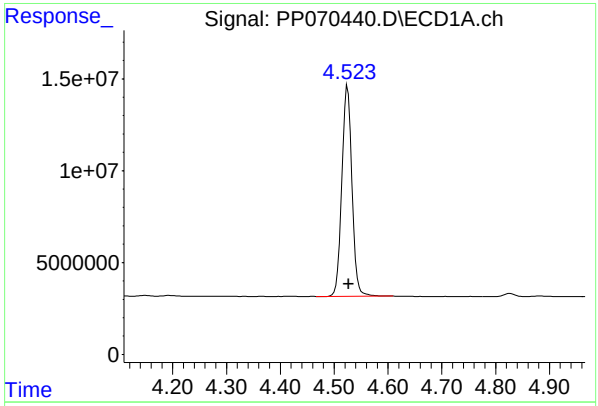
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



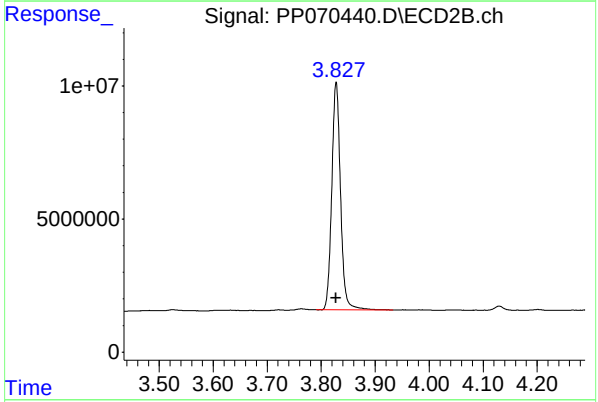




#1 Tetrachloro-m-xylene

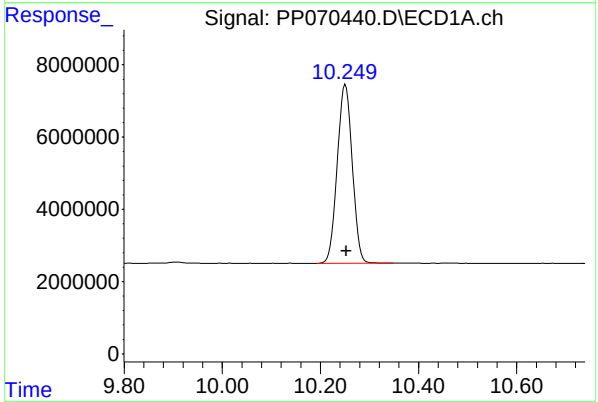
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 149140108
Conc: 93.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



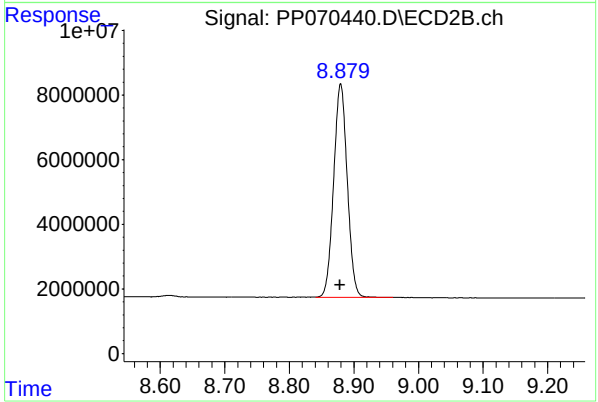
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 96720518
Conc: 94.83 ng/ml



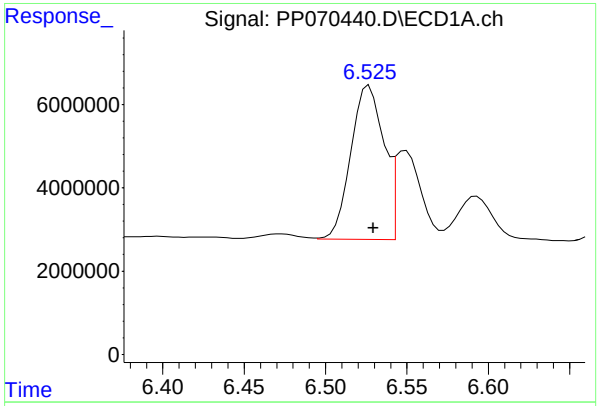
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 105177464
Conc: 92.93 ng/ml



#2 Decachlorobiphenyl

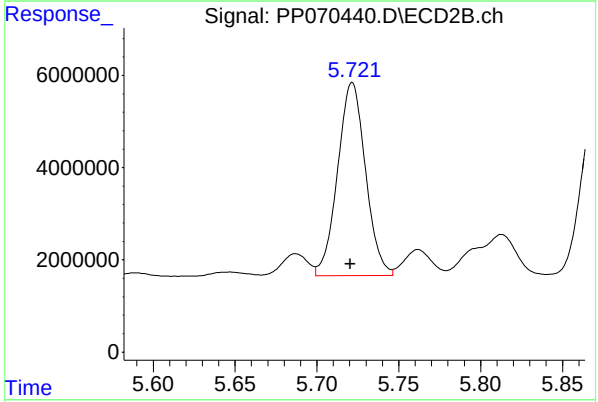
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 96618792
Conc: 88.89 ng/ml



#26 AR-1254-1

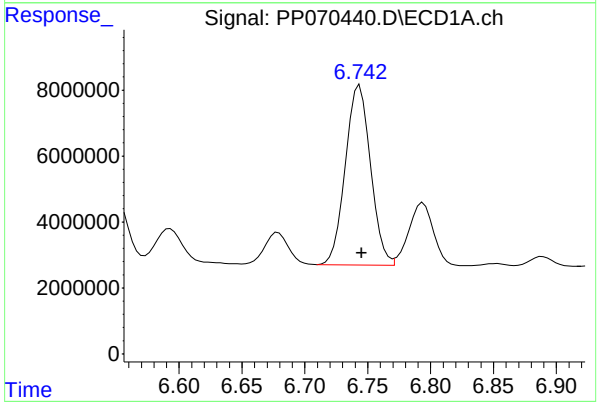
R.T.: 6.527 min
Delta R.T.: -0.003 min
Response: 52191144
Conc: 893.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



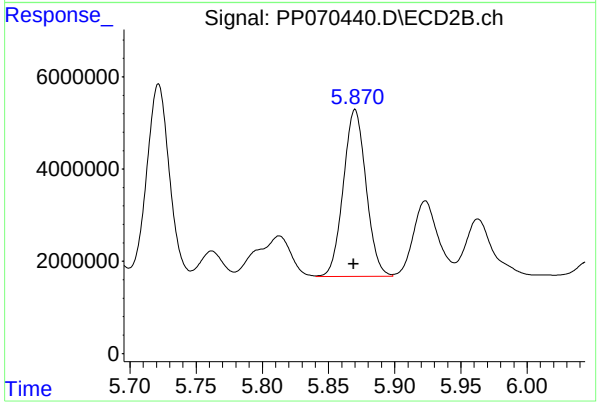
#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.001 min
Response: 49741488
Conc: 880.09 ng/ml



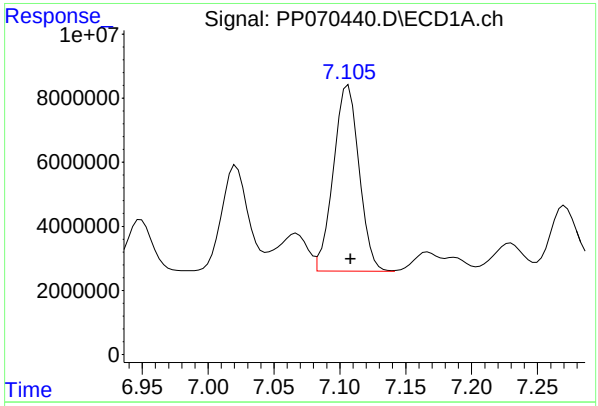
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 76163232
Conc: 909.45 ng/ml



#27 AR-1254-2

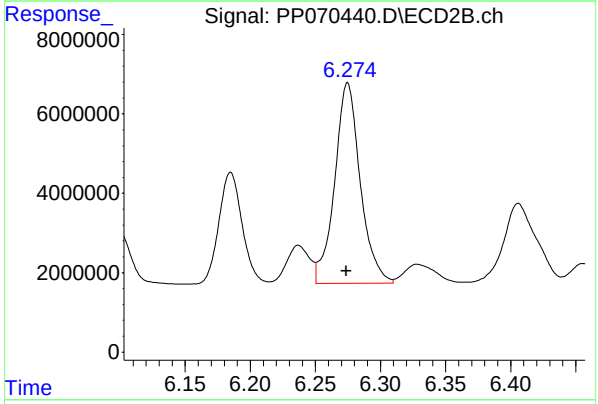
R.T.: 5.870 min
Delta R.T.: 0.001 min
Response: 43195538
Conc: 890.17 ng/ml



#28 AR-1254-3

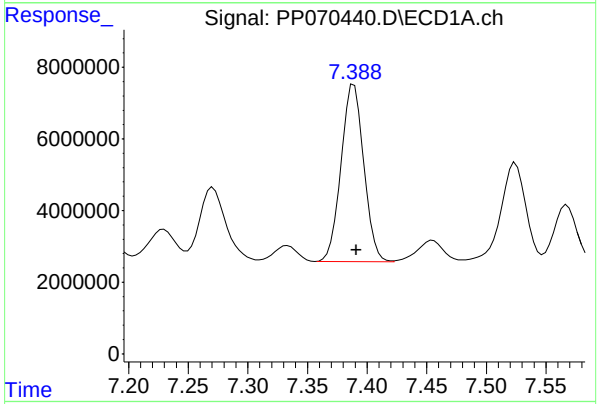
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 78867294
Conc: 913.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



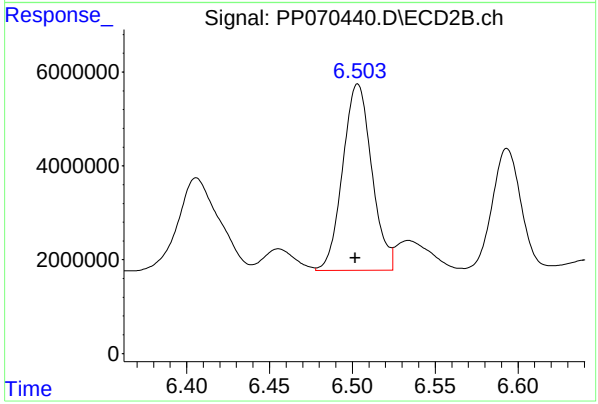
#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.001 min
Response: 69004581
Conc: 911.17 ng/ml



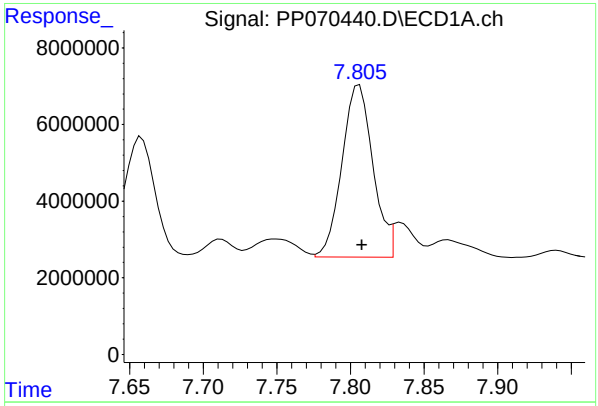
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.002 min
Response: 65665428
Conc: 916.69 ng/ml



#29 AR-1254-4

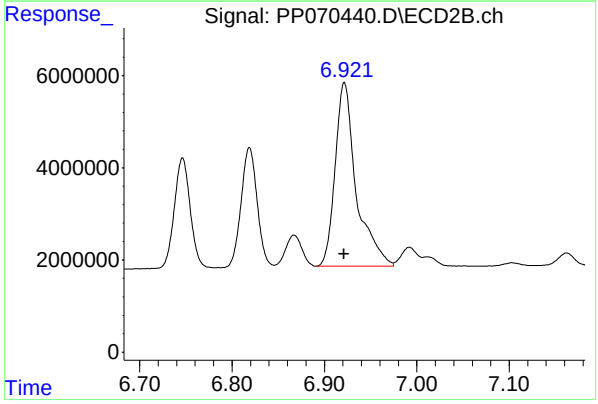
R.T.: 6.503 min
Delta R.T.: 0.001 min
Response: 48529875
Conc: 908.50 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 min
Response: 65604720
Conc: 923.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 63254548
Conc: 917.90 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:11
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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...	4.524	3.828	116.1E6	73807381	72.699	72.361
2)	SA Decachlor...	10.250	8.879	81355197	73665971	71.884	67.770
	Target Compounds						
26)	L6 AR-1254-1	6.526	5.722	41082518	39812295	703.361	704.410
27)	L6 AR-1254-2	6.743	5.870	59469212	34485922	710.112	710.681
28)	L6 AR-1254-3	7.106	6.275	60993256	54135888	706.405	714.835
29)	L6 AR-1254-4	7.388	6.503	51027528	38224583	712.343	715.580
30)	L6 AR-1254-5	7.806	6.922	50892047	48947585	716.295	710.286

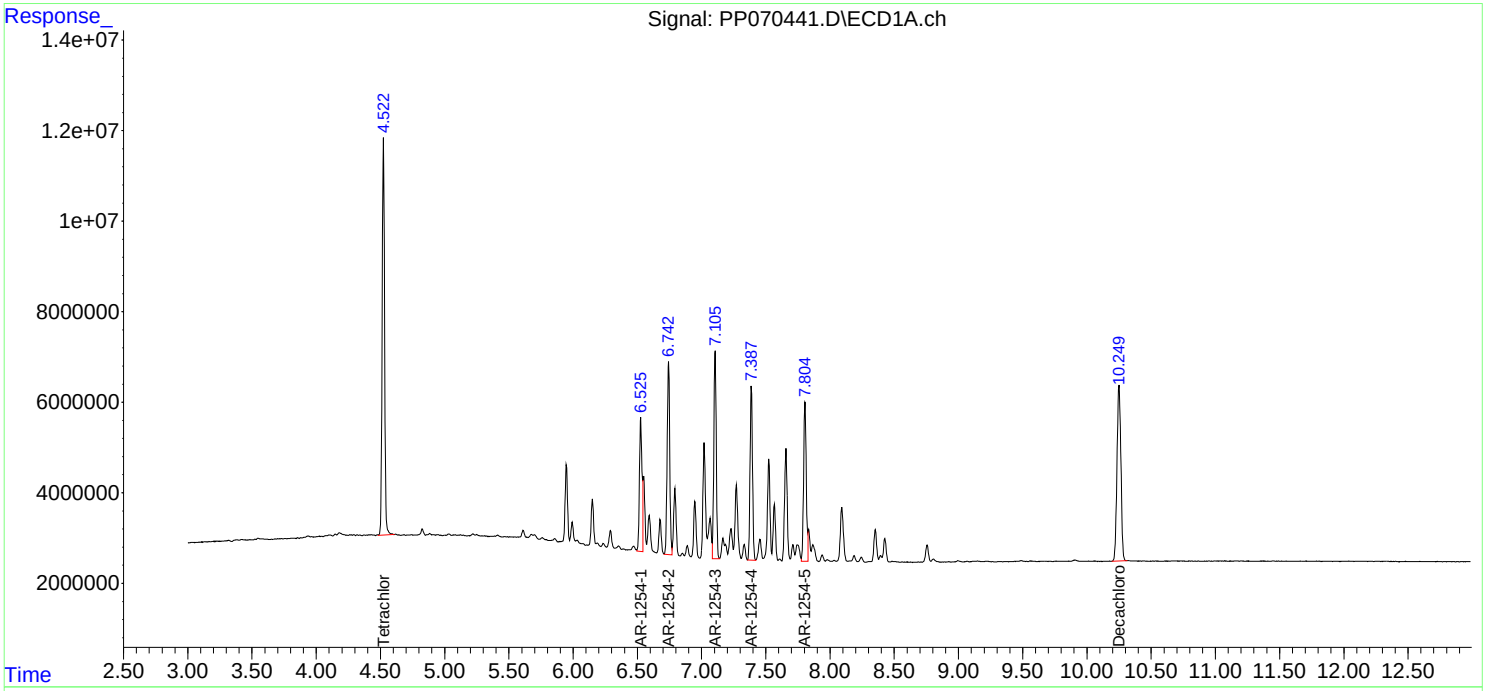
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

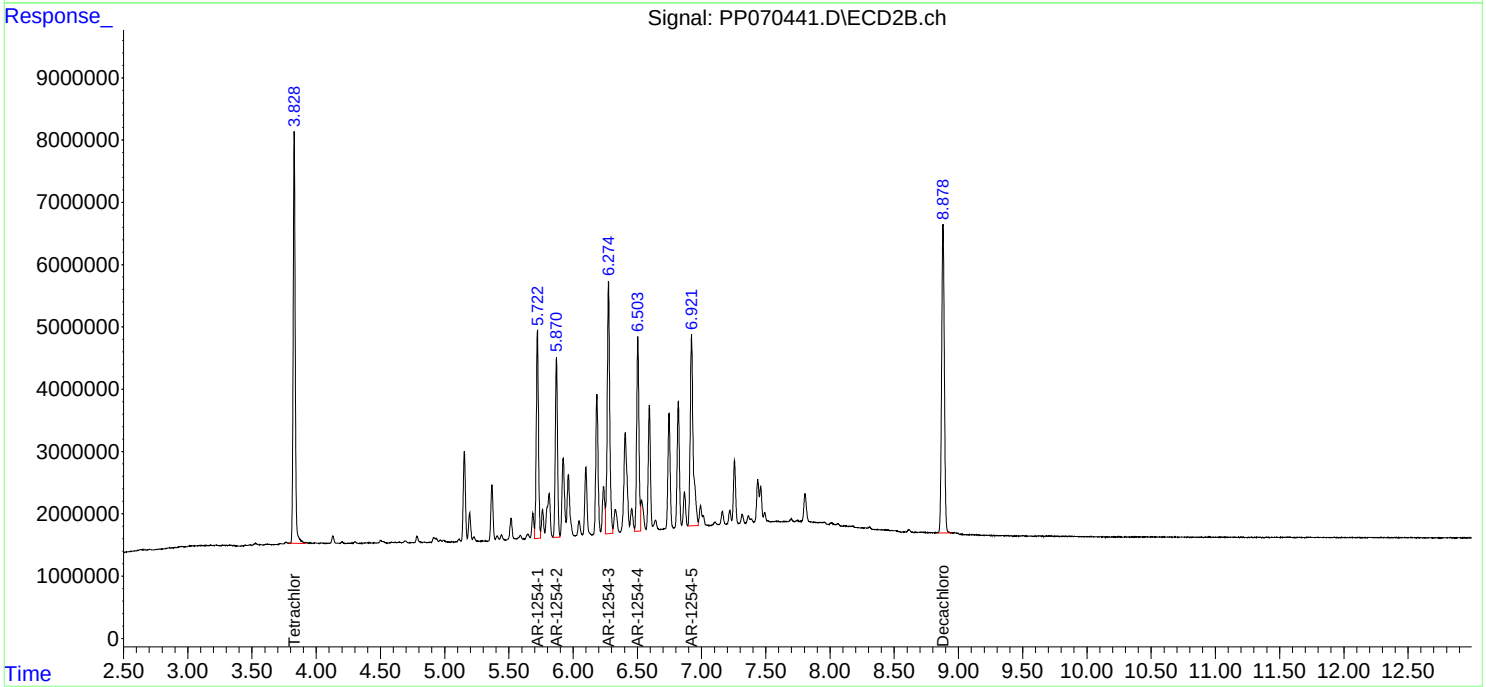
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:11
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

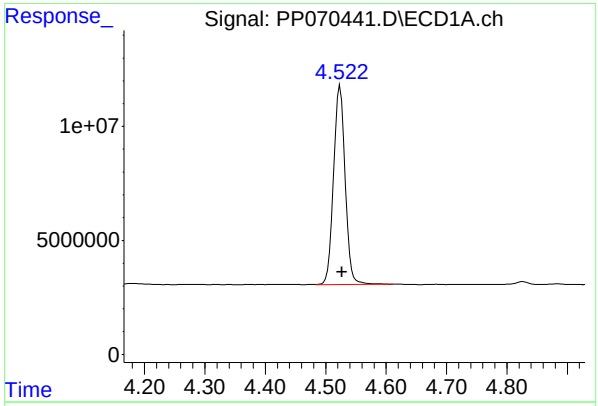
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



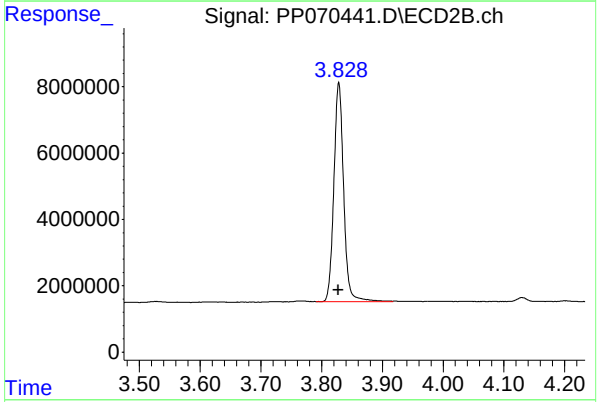




#1 Tetrachloro-m-xylene

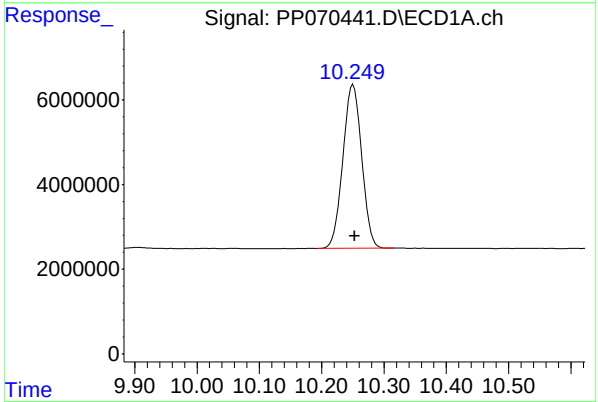
R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 116096349
Conc: 72.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



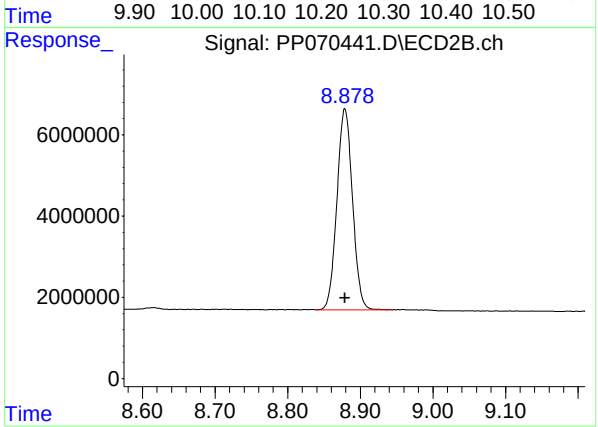
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.001 min
Response: 73807381
Conc: 72.36 ng/ml



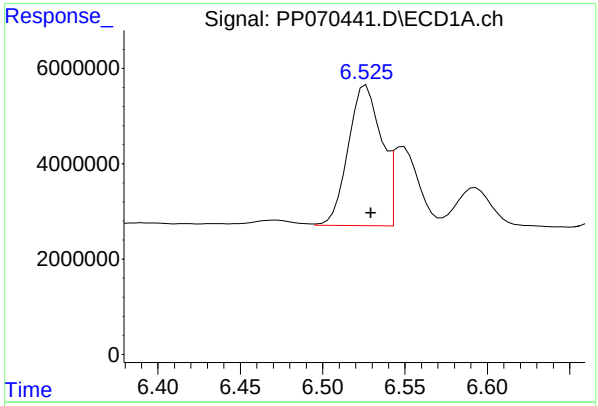
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.003 min
Response: 81355197
Conc: 71.88 ng/ml



#2 Decachlorobiphenyl

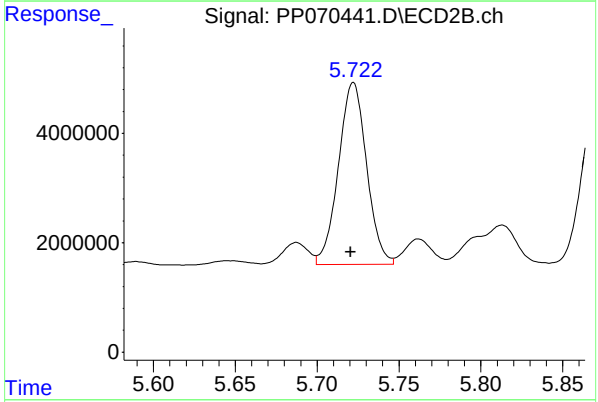
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 73665971
Conc: 67.77 ng/ml



#26 AR-1254-1

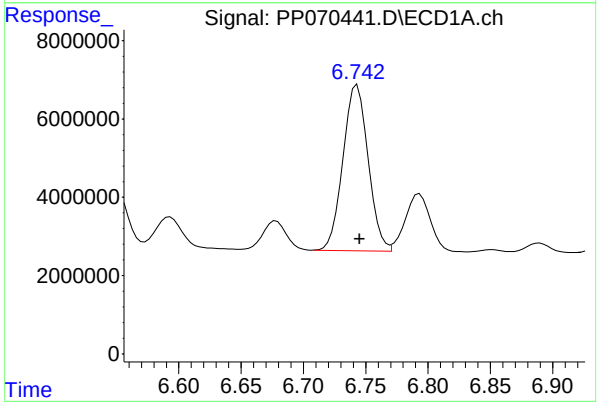
R.T.: 6.526 min
Delta R.T.: -0.003 min
Response: 41082518
Conc: 703.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



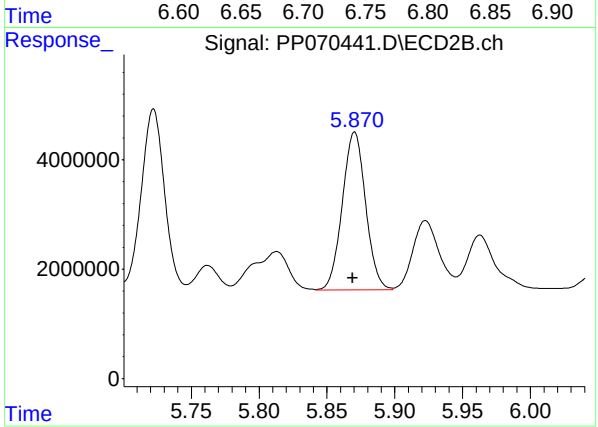
#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.002 min
Response: 39812295
Conc: 704.41 ng/ml



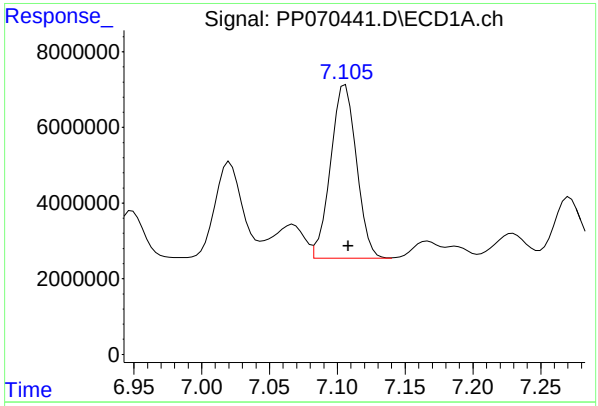
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 59469212
Conc: 710.11 ng/ml



#27 AR-1254-2

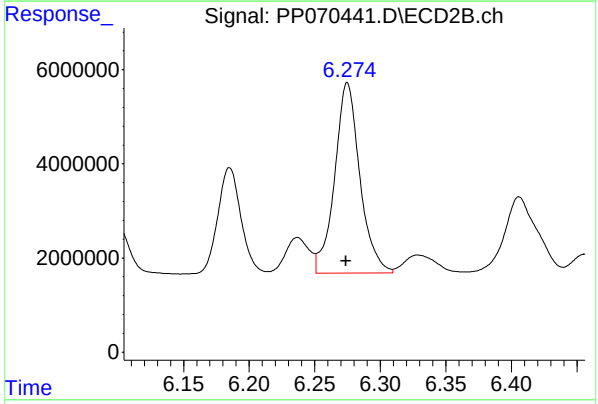
R.T.: 5.870 min
Delta R.T.: 0.002 min
Response: 34485922
Conc: 710.68 ng/ml



#28 AR-1254-3

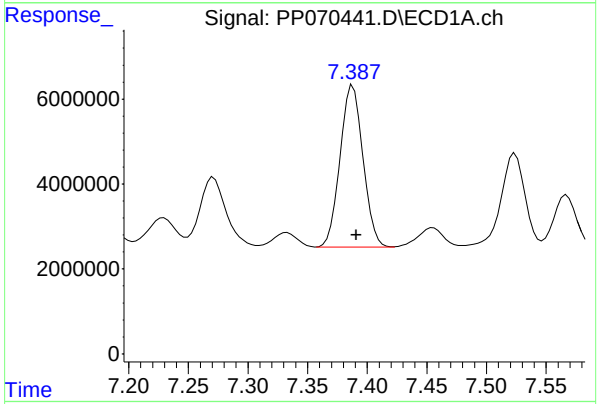
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 60993256
Conc: 706.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



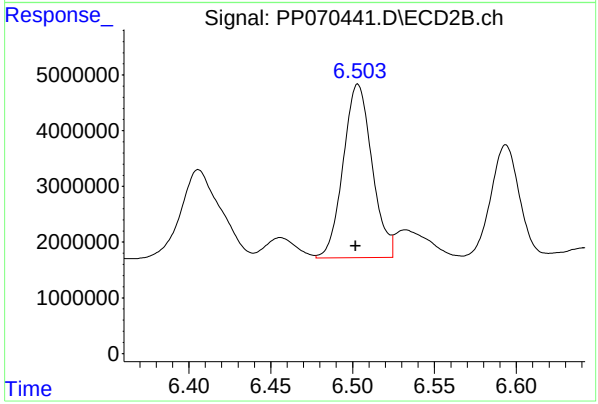
#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.001 min
Response: 54135888
Conc: 714.83 ng/ml



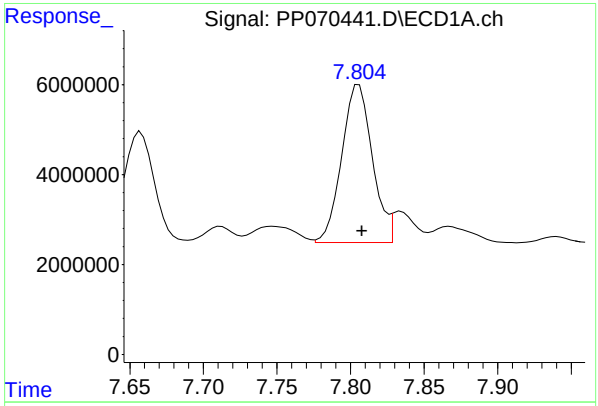
#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 51027528
Conc: 712.34 ng/ml



#29 AR-1254-4

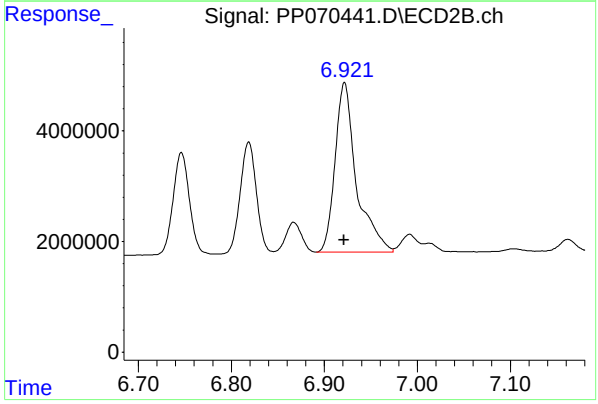
R.T.: 6.503 min
Delta R.T.: 0.001 min
Response: 38224583
Conc: 715.58 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 mi
Response: 50892047
Conc: 716.29 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 48947585
Conc: 710.29 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:28
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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...	4.527	3.827	79847648	50999382	50.000	50.000
2)	SA Decachlor...	10.253	8.879	56587852	54349698	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.529	5.721	29204431	28259314	500.000	500.000
27)	L6 AR-1254-2	6.745	5.869	41873104	24262597	500.000	500.000
28)	L6 AR-1254-3	7.108	6.274	43171573	37866013	500.000	500.000
29)	L6 AR-1254-4	7.391	6.502	35816695	26708804	500.000	500.000
30)	L6 AR-1254-5	7.808	6.921	35524526	34456229	500.000	500.000

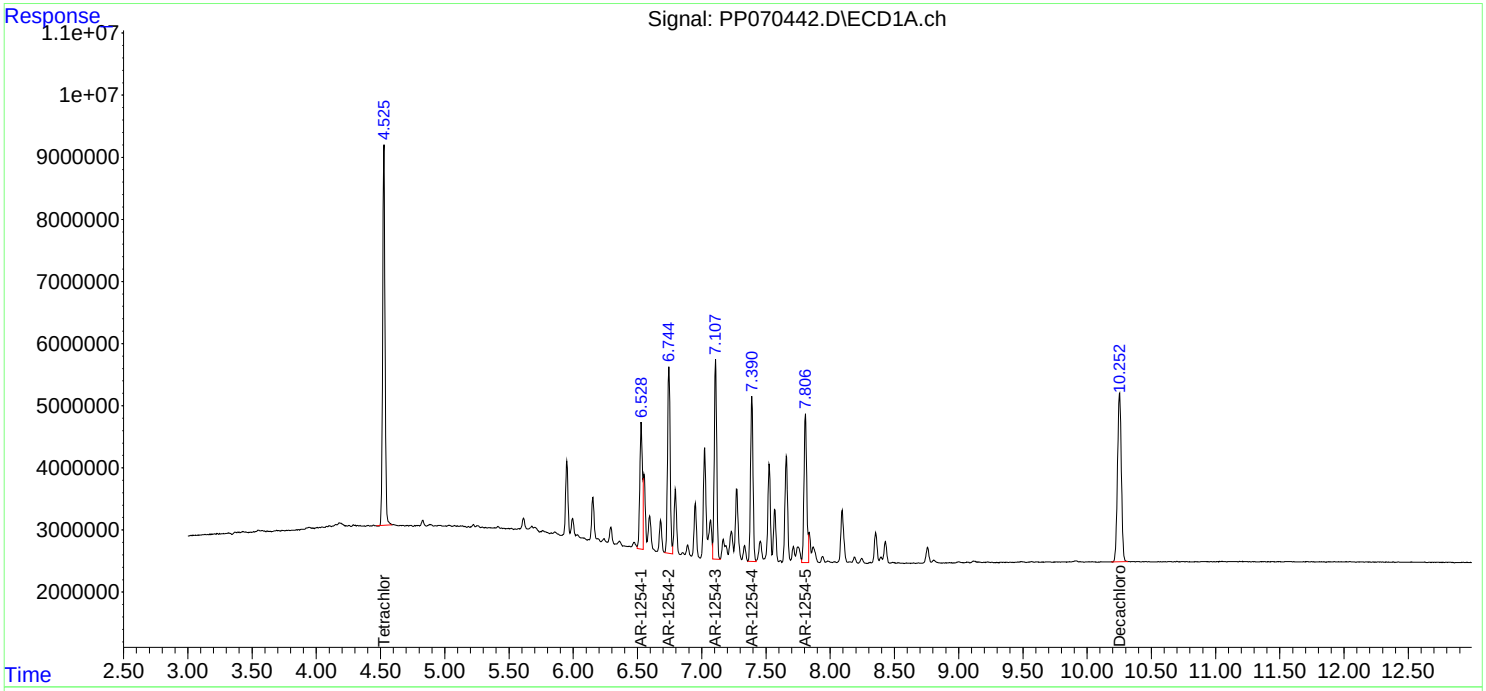
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

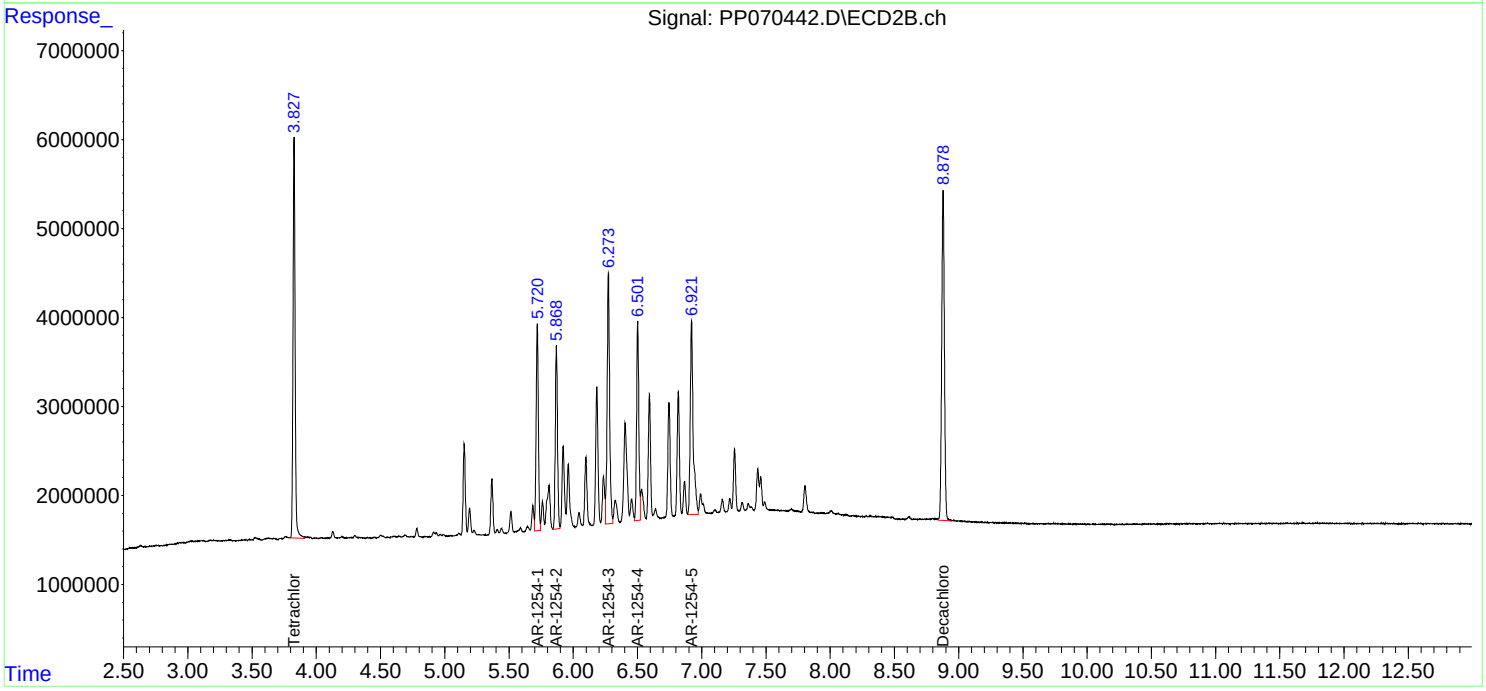
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:28
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

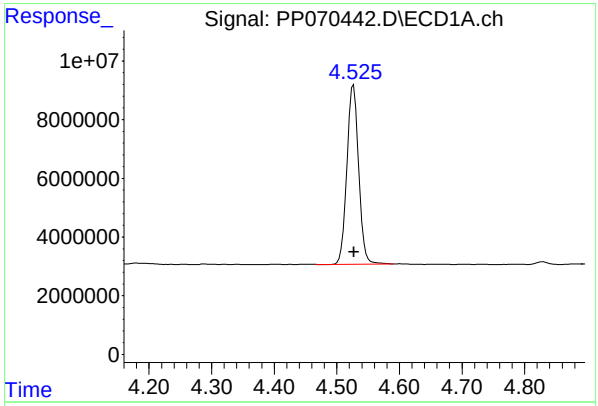
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



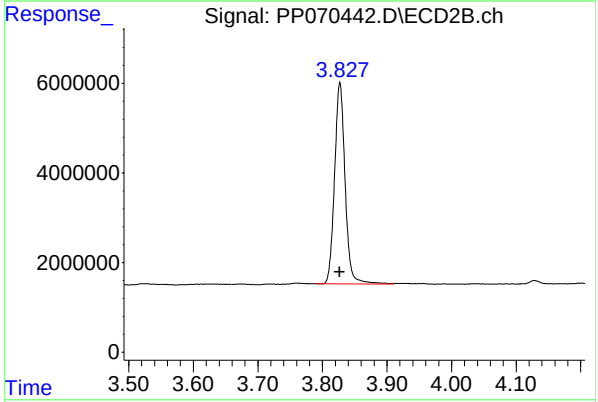




#1 Tetrachloro-m-xylene

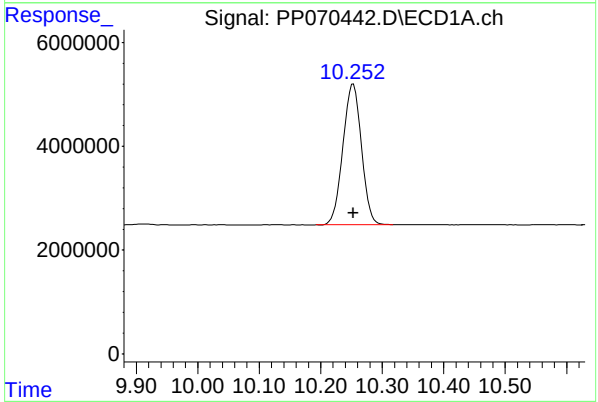
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 79847648
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



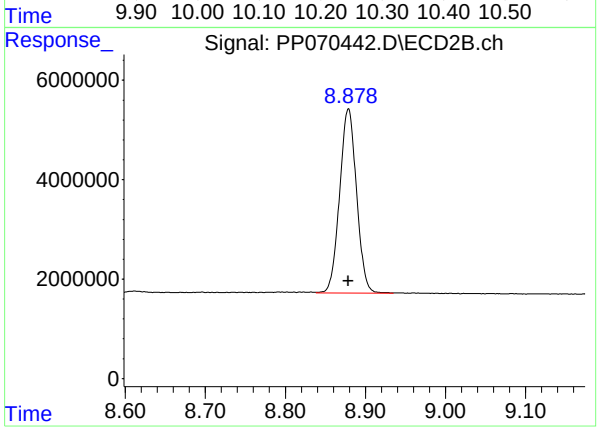
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 50999382
Conc: 50.00 ng/ml



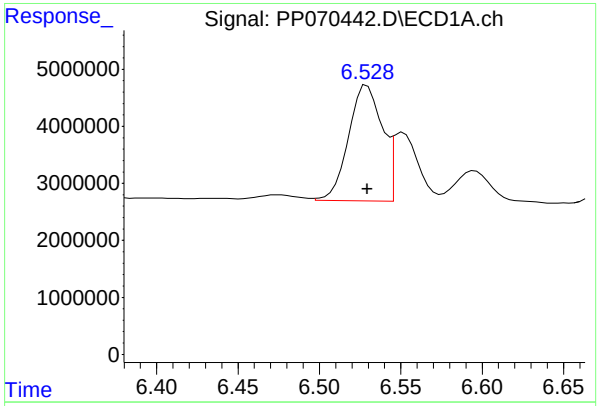
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 56587852
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

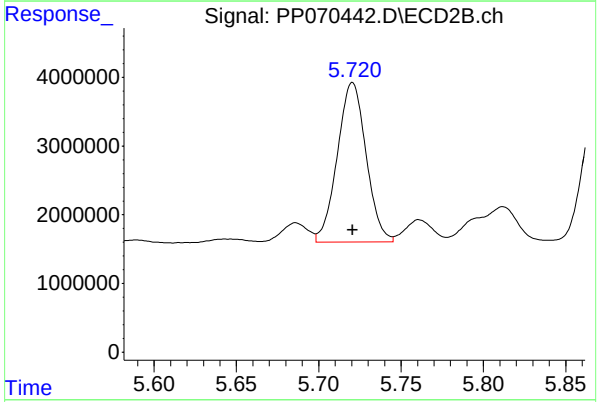
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 54349698
Conc: 50.00 ng/ml



#26 AR-1254-1

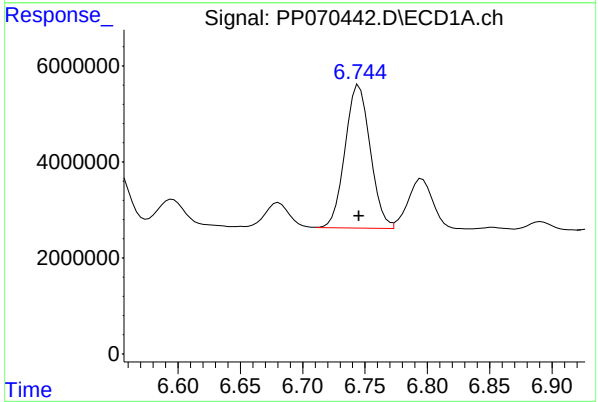
R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 29204431
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



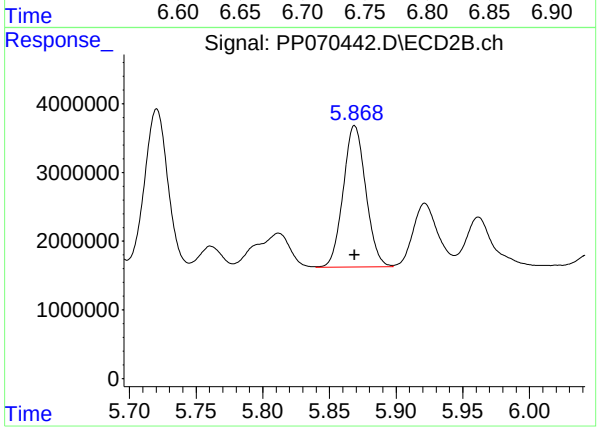
#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 28259314
Conc: 500.00 ng/ml



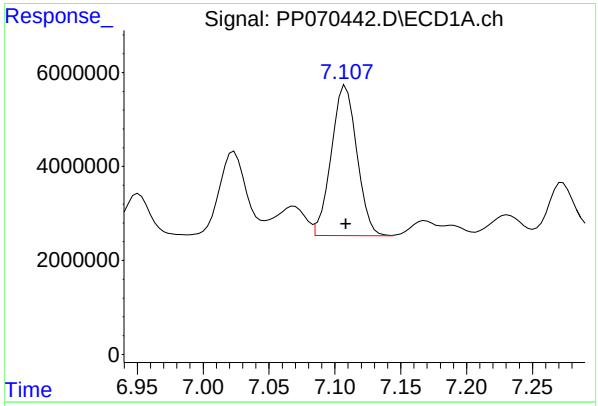
#27 AR-1254-2

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 41873104
Conc: 500.00 ng/ml



#27 AR-1254-2

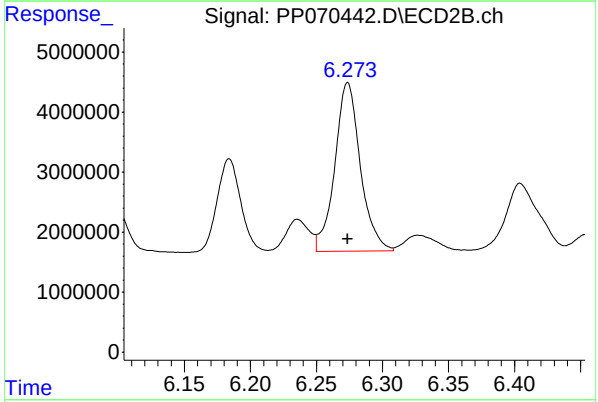
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 24262597
Conc: 500.00 ng/ml



#28 AR-1254-3

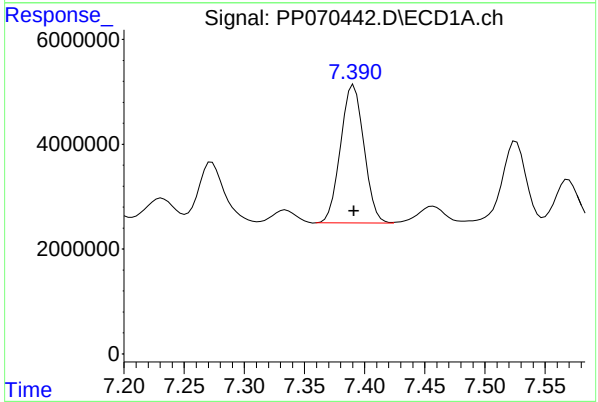
R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 43171573
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



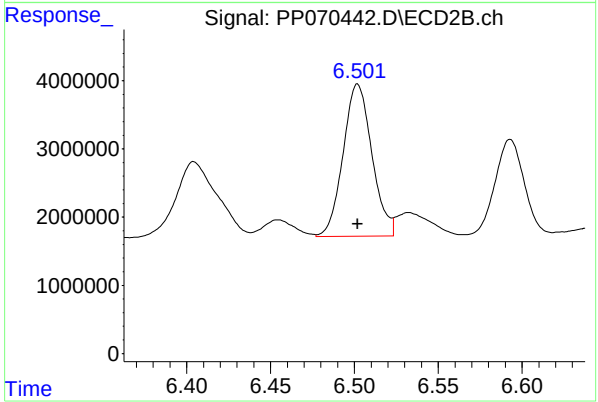
#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 37866013
Conc: 500.00 ng/ml



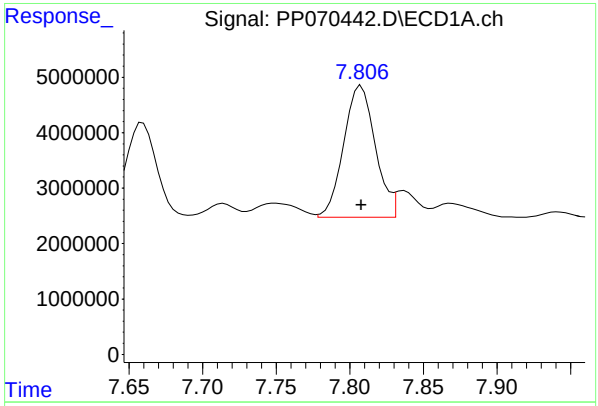
#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: 0.000 min
Response: 35816695
Conc: 500.00 ng/ml



#29 AR-1254-4

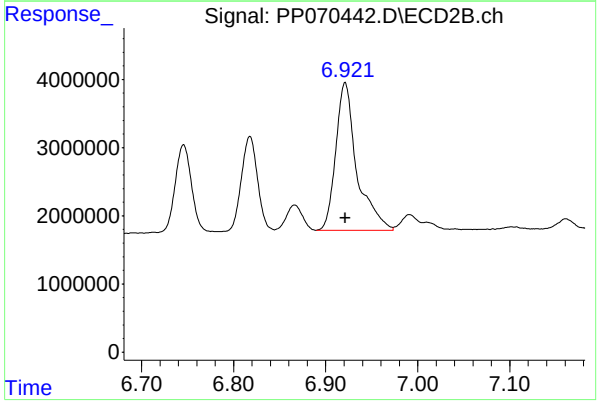
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 26708804
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 35524526
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 34456229
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:44
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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...	4.522	3.828	41995422	27154292	26.297	26.622
2)	SA Decachlor...	10.247	8.879	29750638	28828167	26.287	26.521
	Target Compounds						
26)	L6 AR-1254-1	6.524	5.721	15632135	15086022	267.633	266.921
27)	L6 AR-1254-2	6.740	5.869	22251661	13109555	265.704	270.160
28)	L6 AR-1254-3	7.103	6.274	22535007	20354474	260.994	268.770
29)	L6 AR-1254-4	7.386	6.502	18941969	14262234	264.429	266.995
30)	L6 AR-1254-5	7.802	6.921	18651779	18303656	262.520	265.607

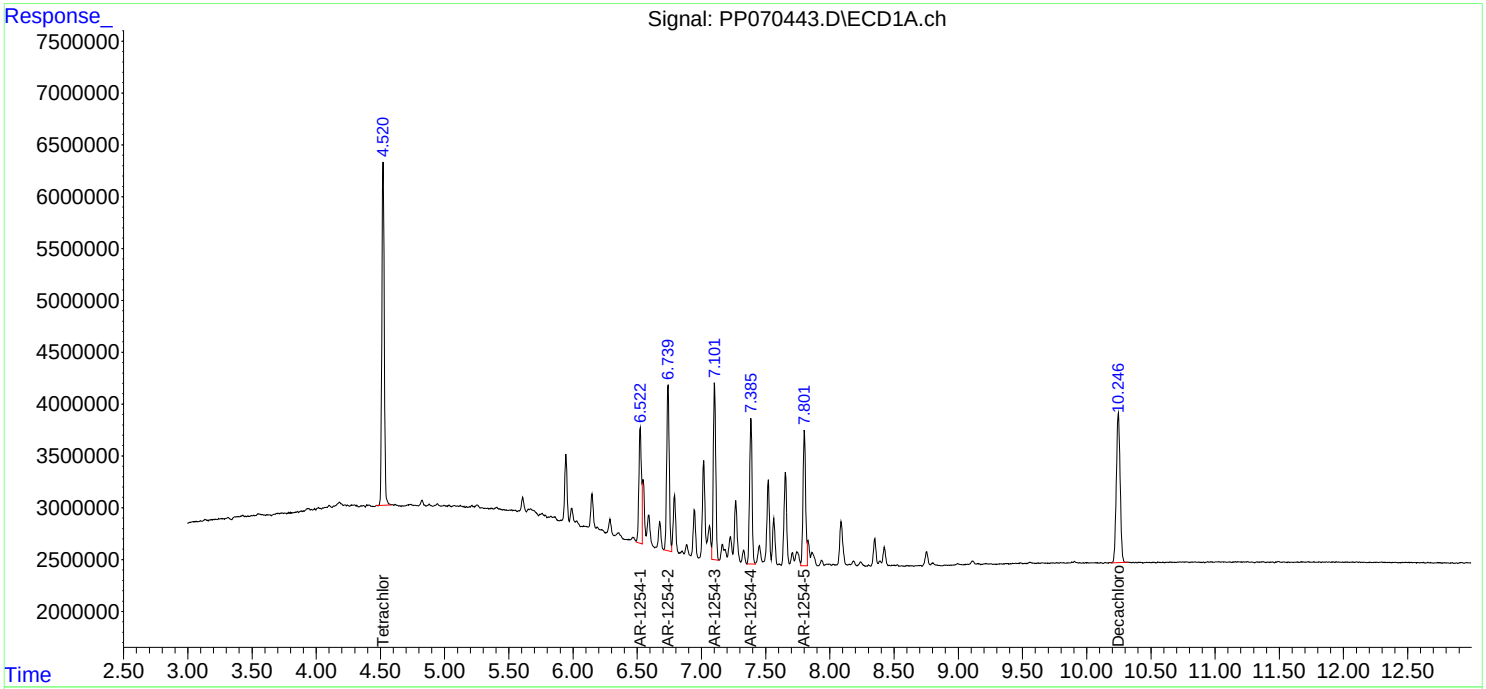
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

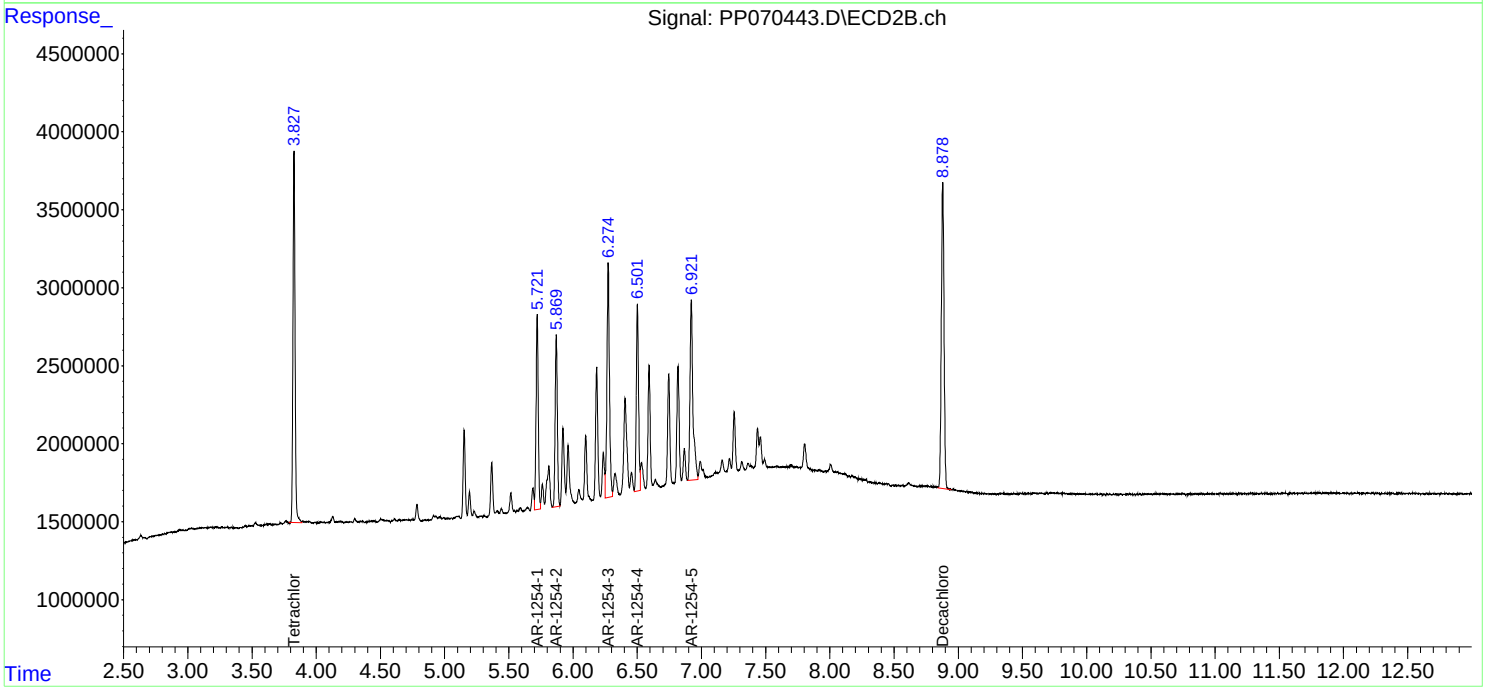
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:44
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

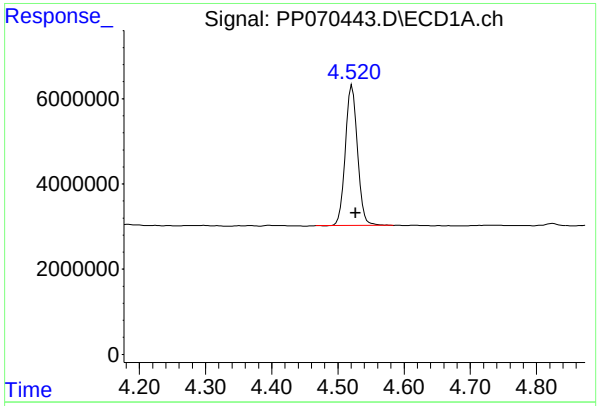
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



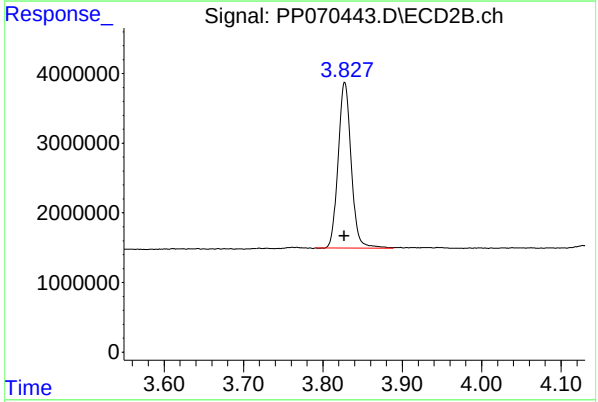




#1 Tetrachloro-m-xylene

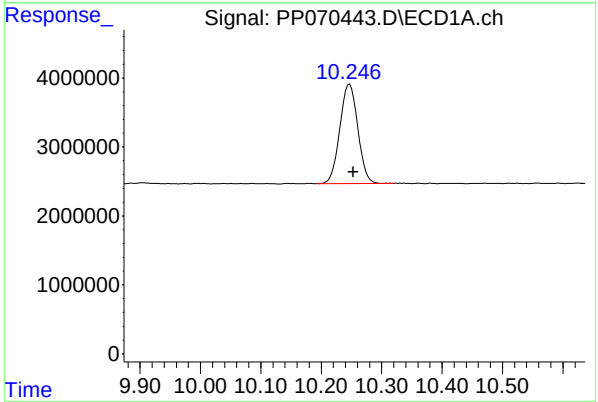
R.T.: 4.522 min
Delta R.T.: -0.005 min
Response: 41995422
Conc: 26.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



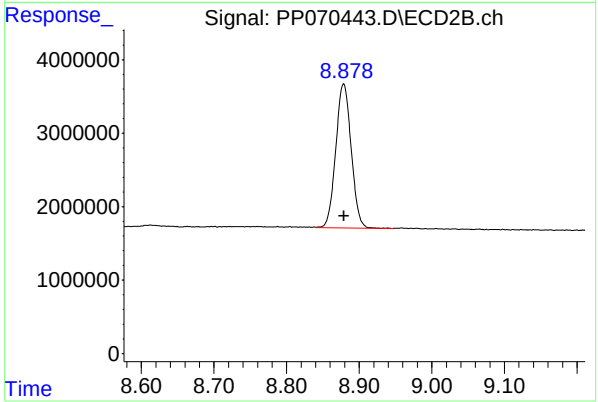
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 27154292
Conc: 26.62 ng/ml



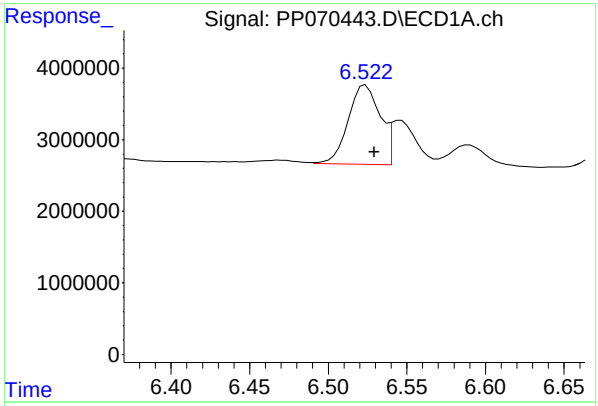
#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.006 min
Response: 29750638
Conc: 26.29 ng/ml



#2 Decachlorobiphenyl

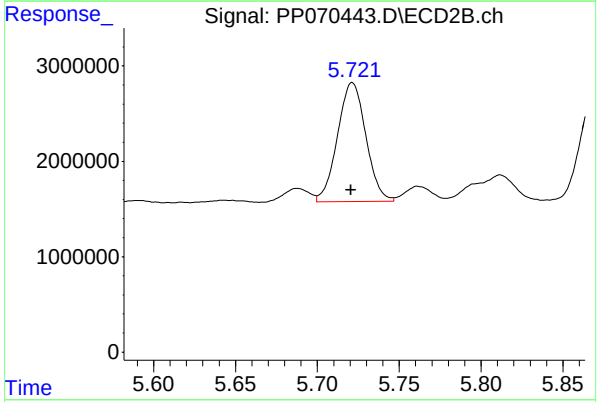
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 28828167
Conc: 26.52 ng/ml



#26 AR-1254-1

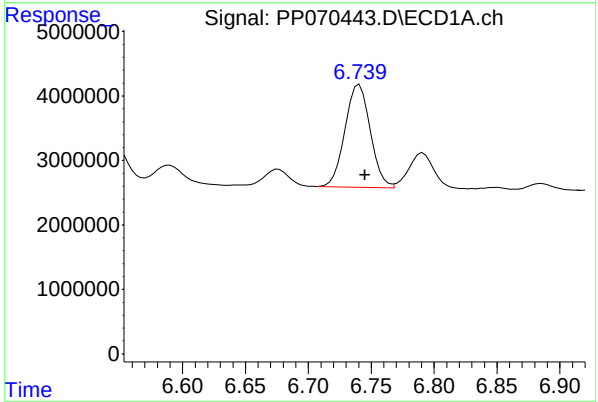
R.T.: 6.524 min
Delta R.T.: -0.006 min
Response: 15632135
Conc: 267.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



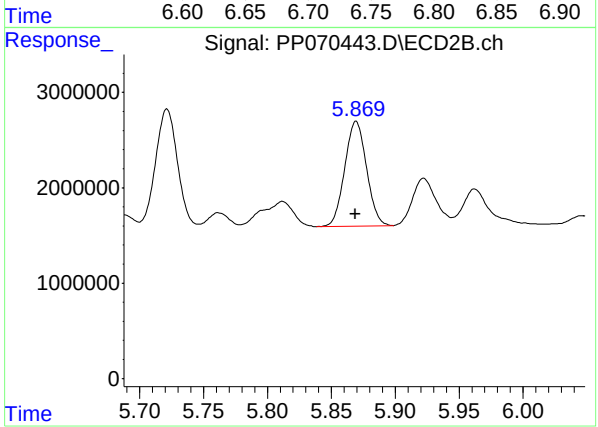
#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 15086022
Conc: 266.92 ng/ml



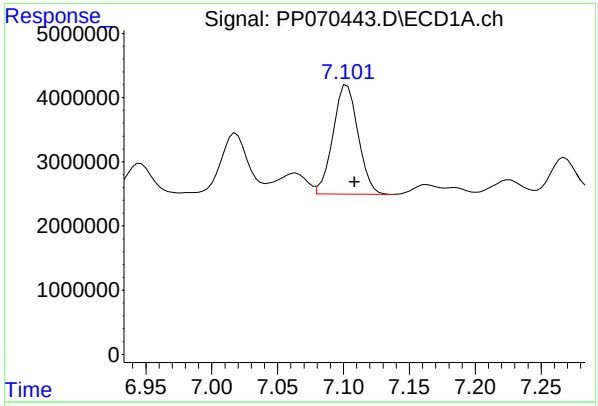
#27 AR-1254-2

R.T.: 6.740 min
Delta R.T.: -0.005 min
Response: 22251661
Conc: 265.70 ng/ml



#27 AR-1254-2

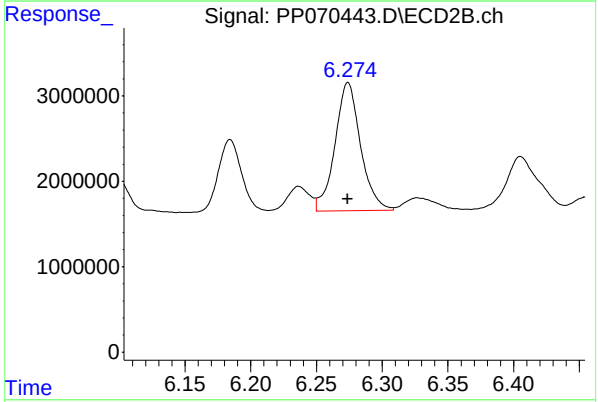
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 13109555
Conc: 270.16 ng/ml



#28 AR-1254-3

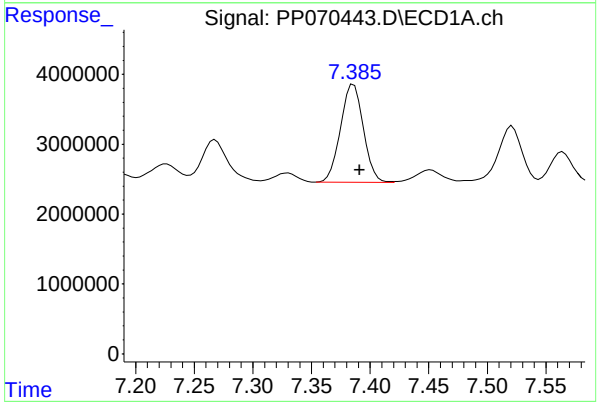
R.T.: 7.103 min
Delta R.T.: -0.006 min
Response: 22535007
Conc: 260.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



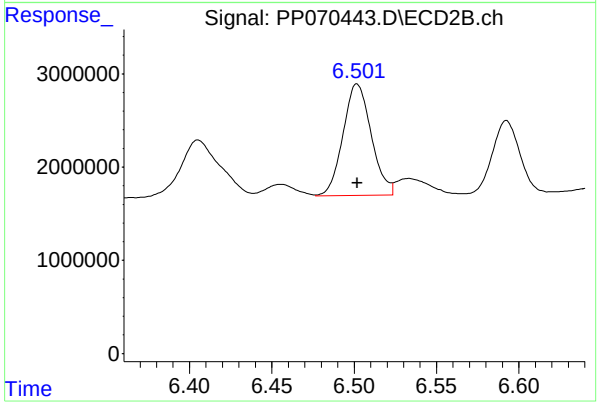
#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 20354474
Conc: 268.77 ng/ml



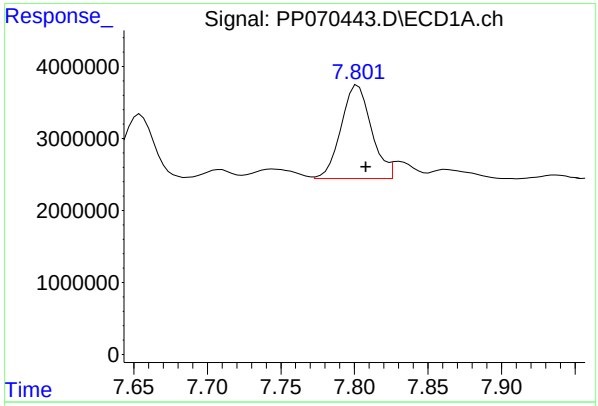
#29 AR-1254-4

R.T.: 7.386 min
Delta R.T.: -0.005 min
Response: 18941969
Conc: 264.43 ng/ml



#29 AR-1254-4

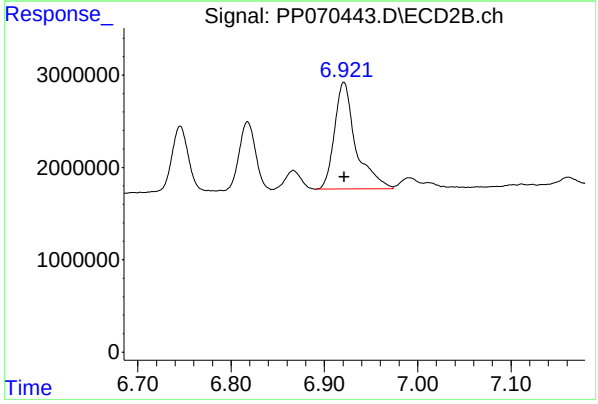
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 14262234
Conc: 266.99 ng/ml



#30 AR-1254-5

R.T.: 7.802 min
Delta R.T.: -0.005 min
Response: 18651779
Conc: 262.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 18303656
Conc: 265.61 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:00
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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...	4.525	3.828	8190039	4946549	5.129	4.850
2)	SA Decachlor...	10.249	8.879	5357119	5757506	4.733	5.297
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.722	2919684	3096335	49.987	54.784
27)	L6 AR-1254-2	6.743	5.870	3852617	2719612	46.003	56.045
28)	L6 AR-1254-3	7.107	6.275	4209211	3937712	48.750	51.995
29)	L6 AR-1254-4	7.388	6.503	3479126	2689850	48.568	50.355
30)	L6 AR-1254-5	7.806	6.922	3508468	3731398	49.381	54.147

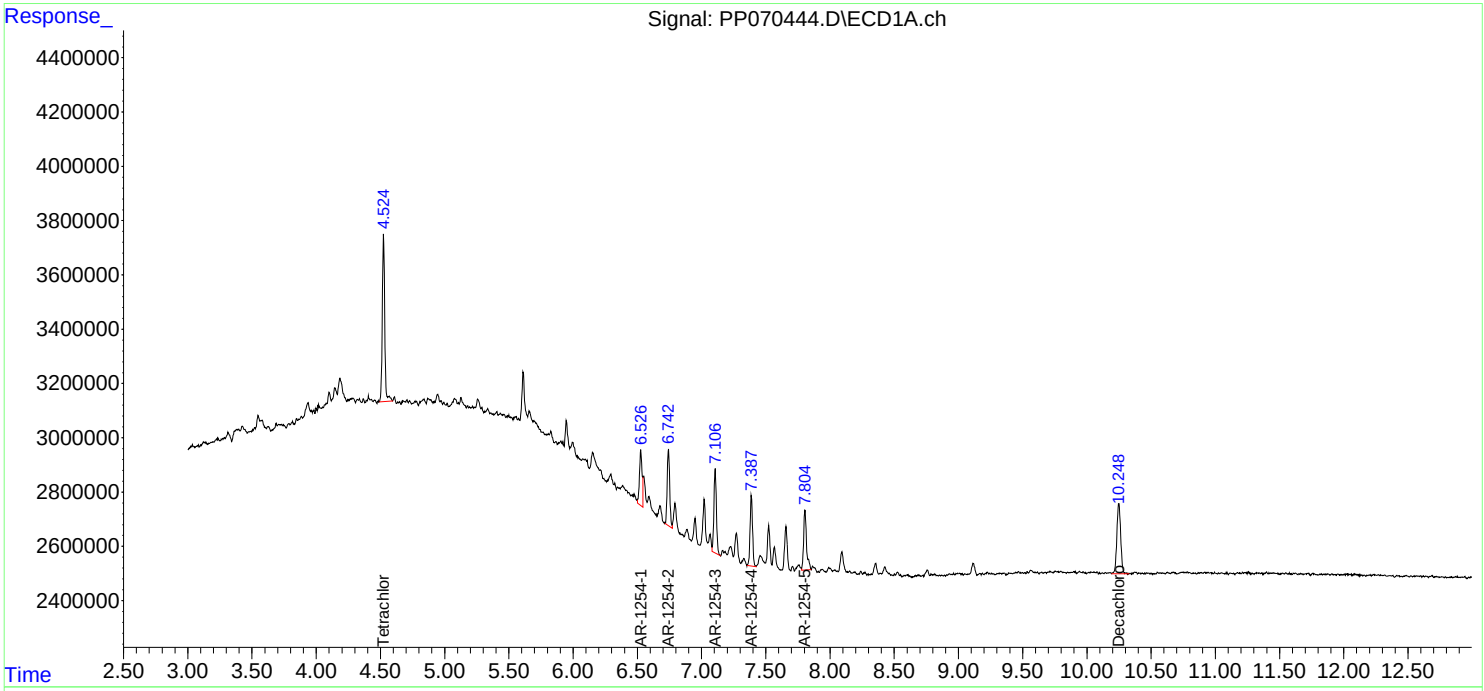
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

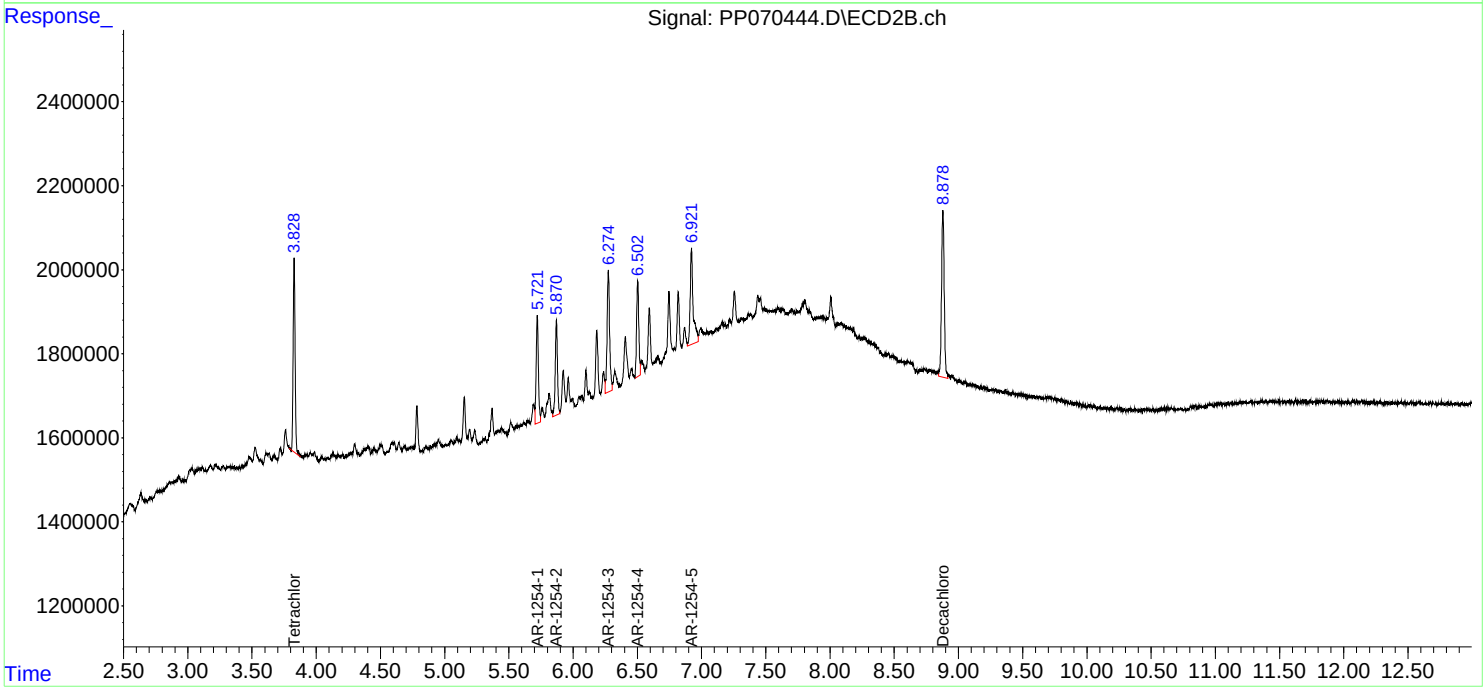
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:00
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

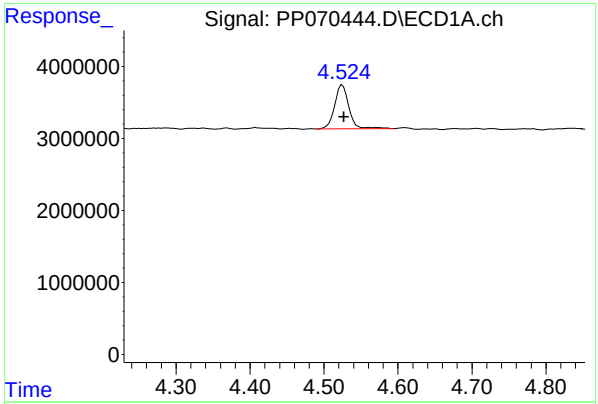
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



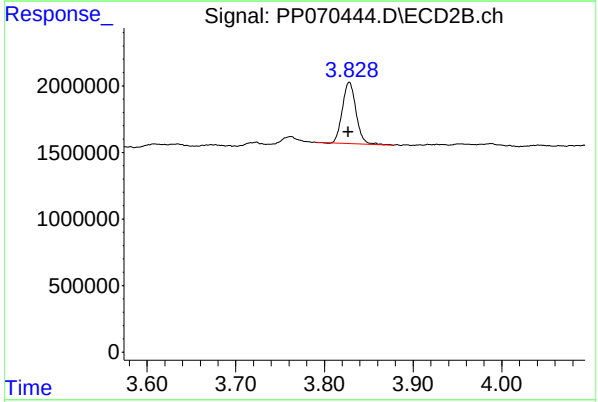




#1 Tetrachloro-m-xylene

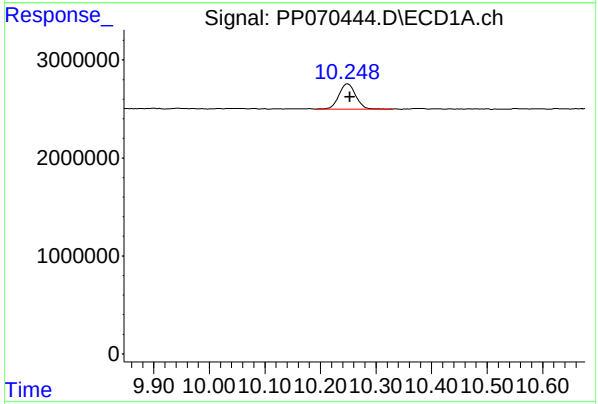
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 8190039
Conc: 5.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



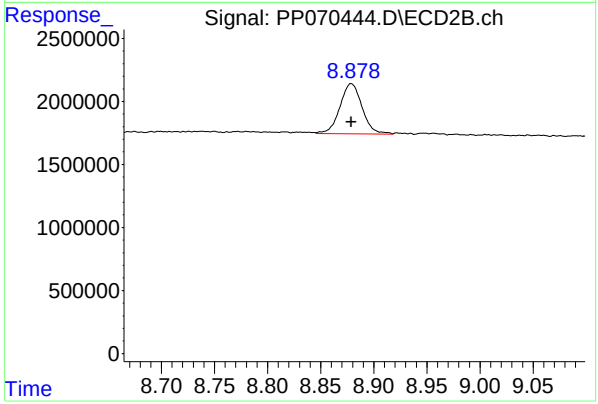
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.001 min
Response: 4946549
Conc: 4.85 ng/ml



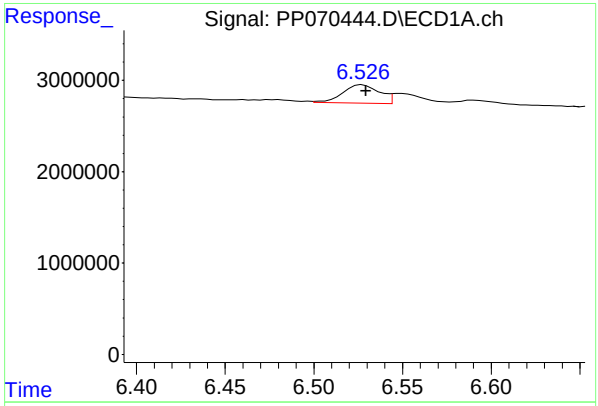
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.004 min
Response: 5357119
Conc: 4.73 ng/ml



#2 Decachlorobiphenyl

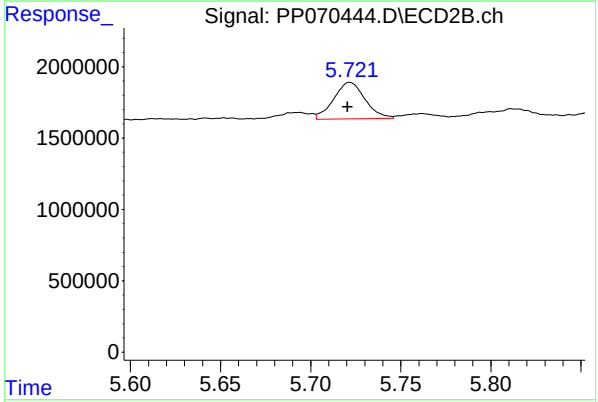
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 5757506
Conc: 5.30 ng/ml



#26 AR-1254-1

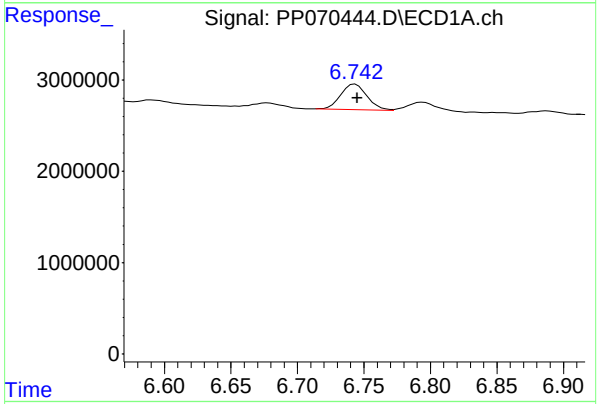
R.T.: 6.527 min
Delta R.T.: -0.002 min
Response: 2919684
Conc: 49.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



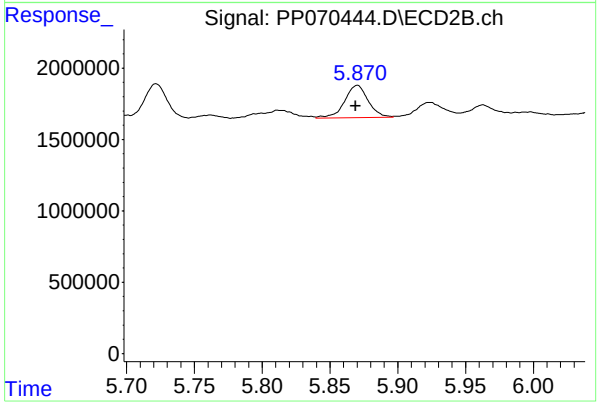
#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.001 min
Response: 3096335
Conc: 54.78 ng/ml



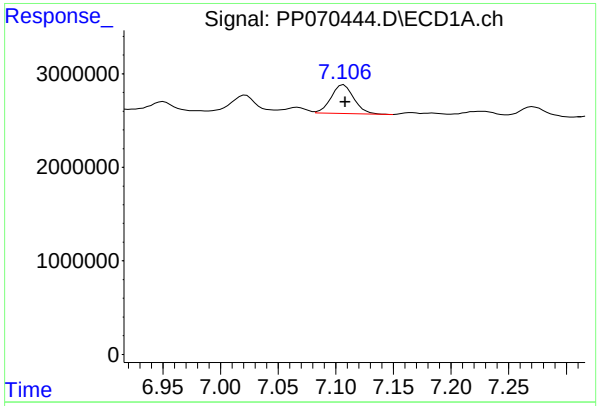
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 3852617
Conc: 46.00 ng/ml



#27 AR-1254-2

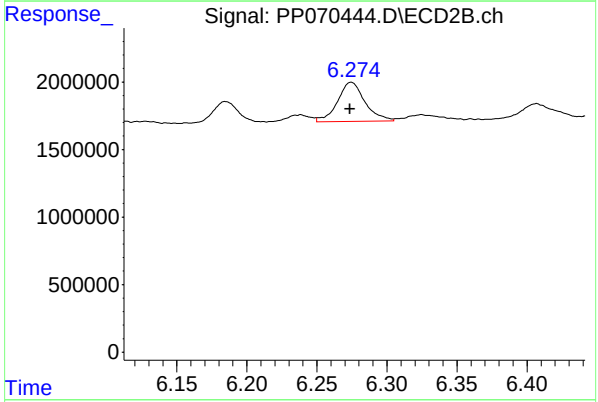
R.T.: 5.870 min
Delta R.T.: 0.001 min
Response: 2719612
Conc: 56.05 ng/ml



#28 AR-1254-3

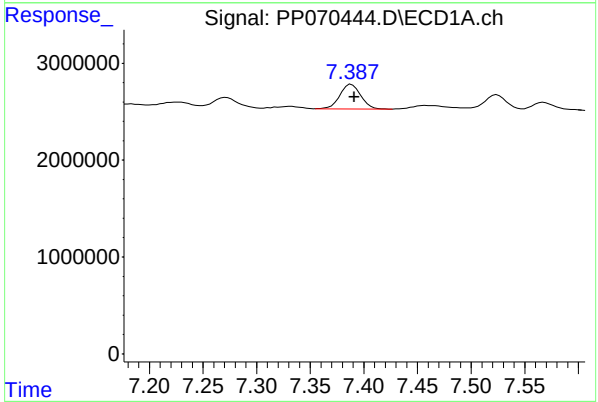
R.T.: 7.107 min
Delta R.T.: -0.001 min
Response: 4209211
Conc: 48.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



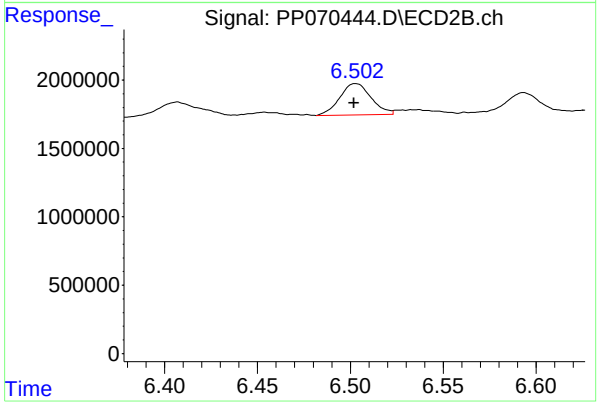
#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 3937712
Conc: 52.00 ng/ml



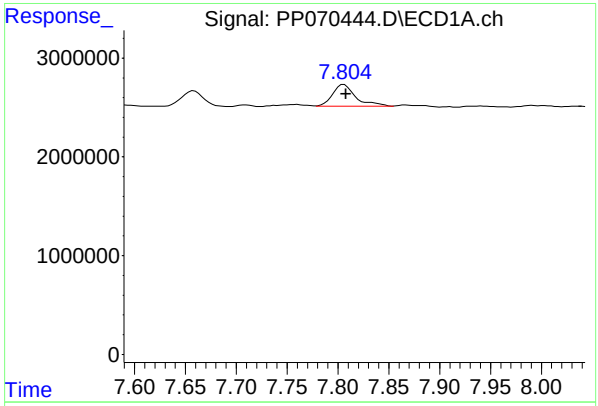
#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 3479126
Conc: 48.57 ng/ml



#29 AR-1254-4

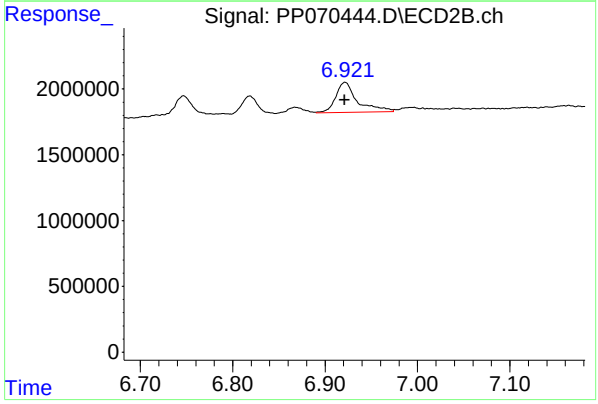
R.T.: 6.503 min
Delta R.T.: 0.000 min
Response: 2689850
Conc: 50.36 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 mi
Response: 3508468
Conc: 49.38 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 3731398
Conc: 54.15 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:16
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:53:51 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...	4.524	3.828	79987375	50598241	50.000	50.000
2)	SA Decachlor...	10.249	8.880	55265895	53517923	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.107	6.960	40859309	41831981	500.000	500.000
37)	L8 AR-1262-2	8.427	7.219	82356816	34364927	500.000	500.000
38)	L8 AR-1262-3	8.745	7.743	56082248	32993103	500.000	500.000
39)	L8 AR-1262-4	8.830	7.808	41901860	52217661	500.000	500.000
40)	L8 AR-1262-5	9.487	8.310	29448112	25775032	500.000	500.000

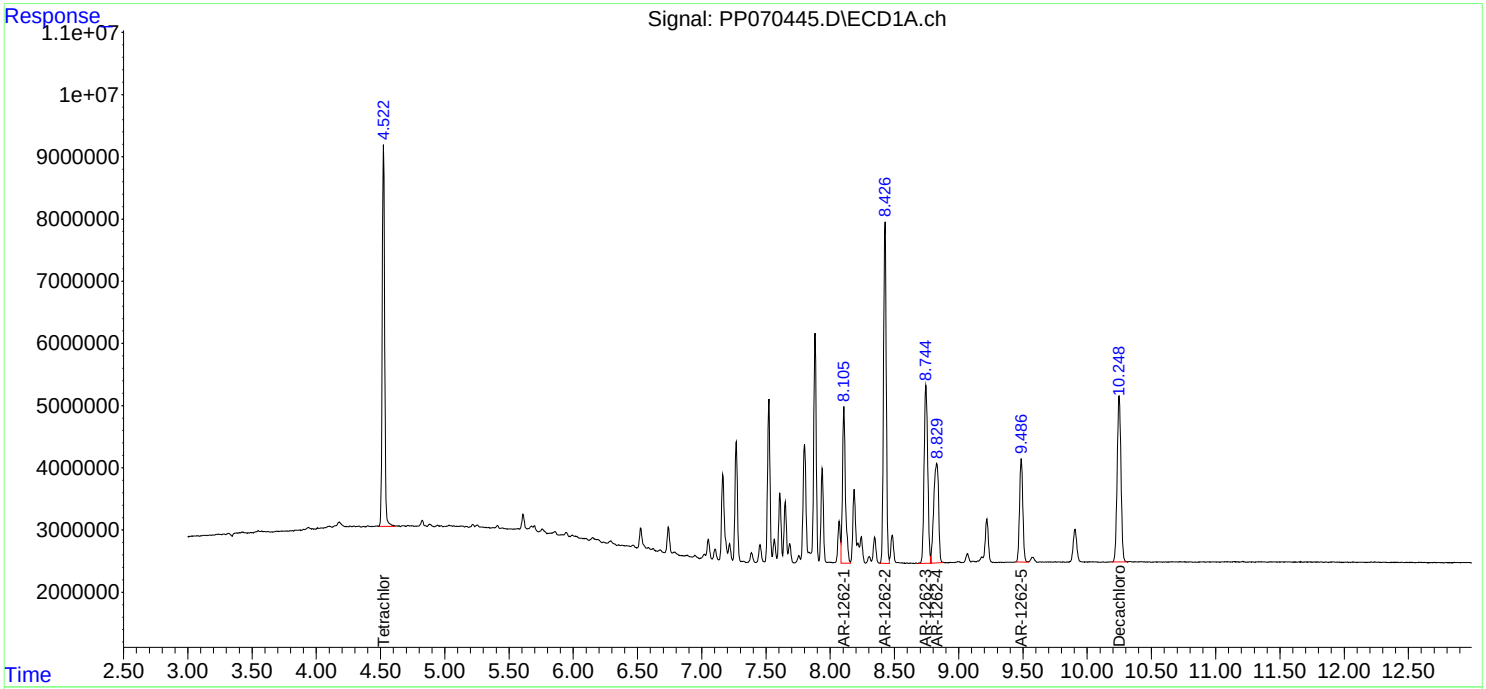
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

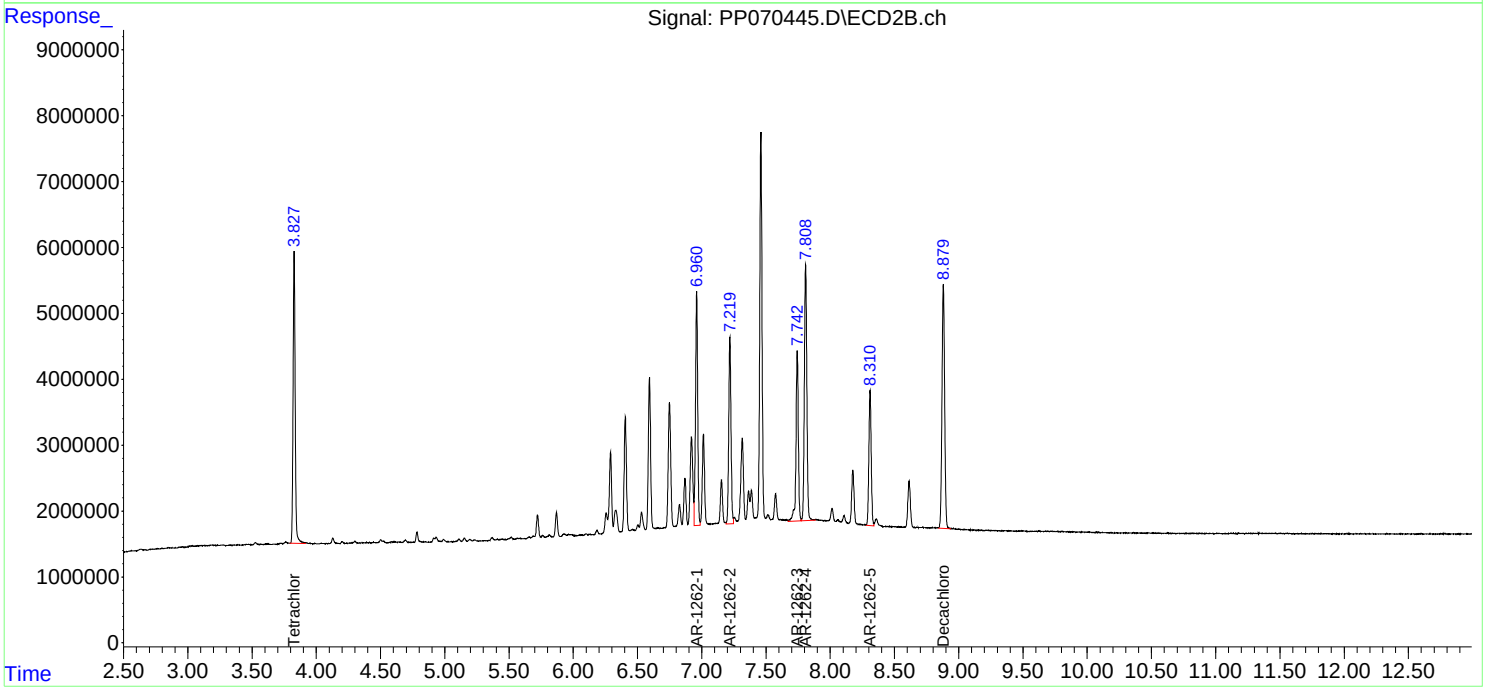
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:16
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

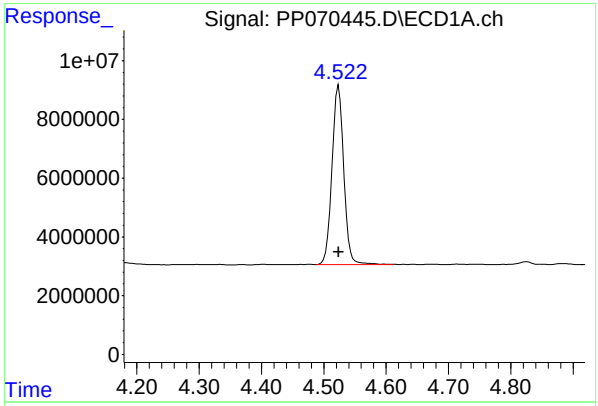
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:53:51 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



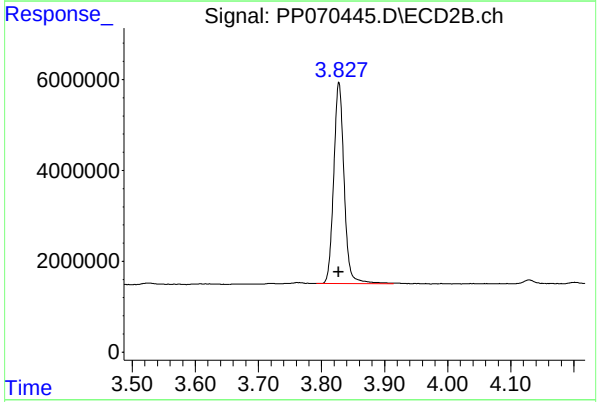




#1 Tetrachloro-m-xylene

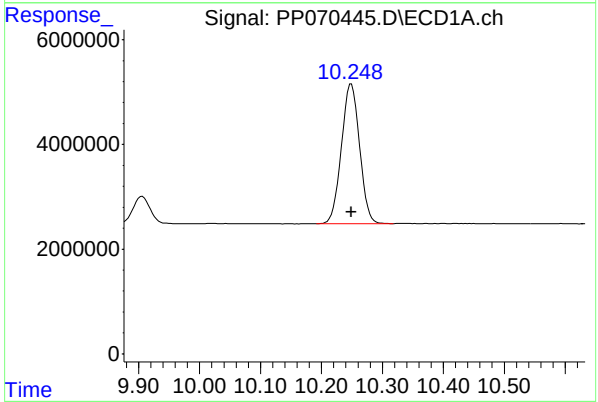
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79987375
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



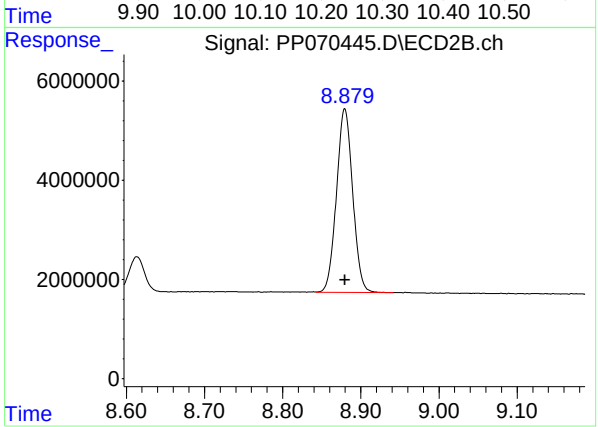
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 50598241
Conc: 50.00 ng/ml



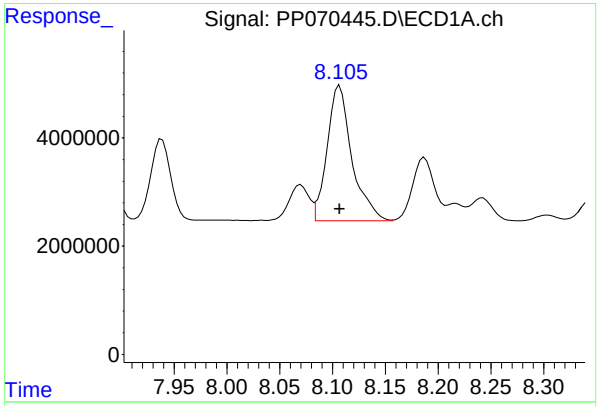
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: 0.000 min
Response: 55265895
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

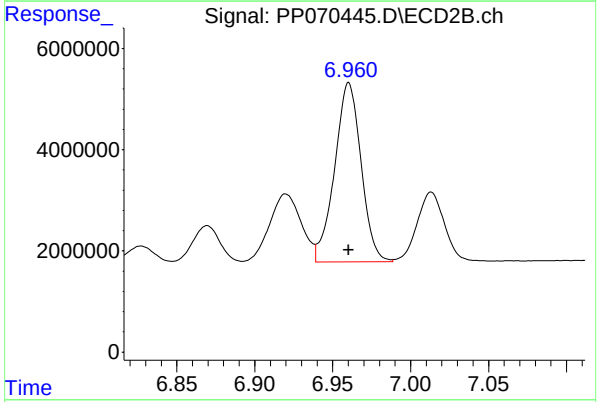
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 53517923
Conc: 50.00 ng/ml



#36 AR-1262-1

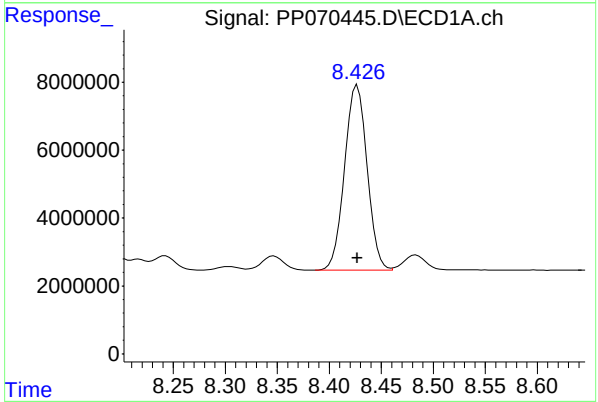
R.T.: 8.107 min
Delta R.T.: 0.000 mi
Response: 40859309
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



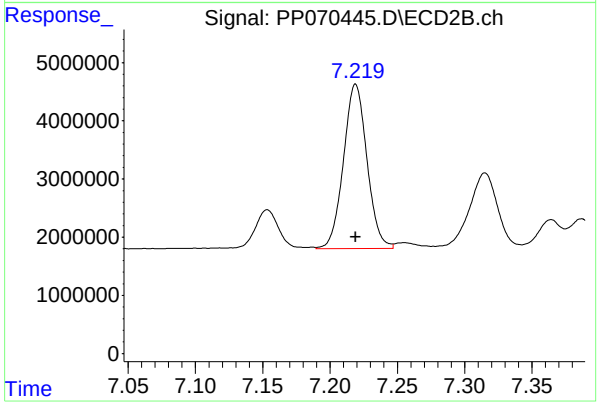
#36 AR-1262-1

R.T.: 6.960 min
Delta R.T.: 0.000 min
Response: 41831981
Conc: 500.00 ng/ml



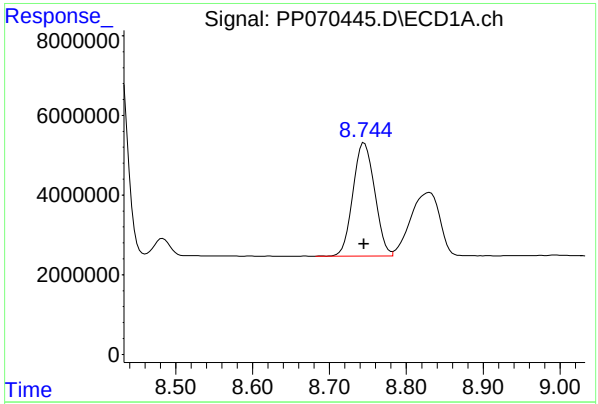
#37 AR-1262-2

R.T.: 8.427 min
Delta R.T.: 0.000 min
Response: 82356816
Conc: 500.00 ng/ml



#37 AR-1262-2

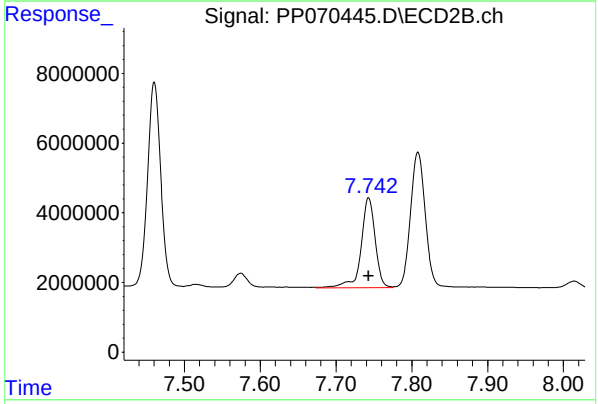
R.T.: 7.219 min
Delta R.T.: 0.000 min
Response: 34364927
Conc: 500.00 ng/ml



#38 AR-1262-3

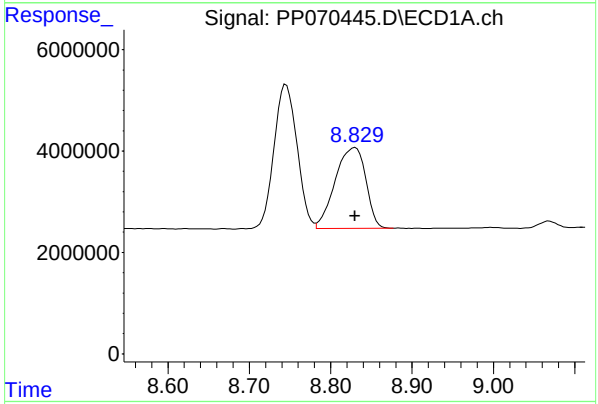
R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 56082248
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



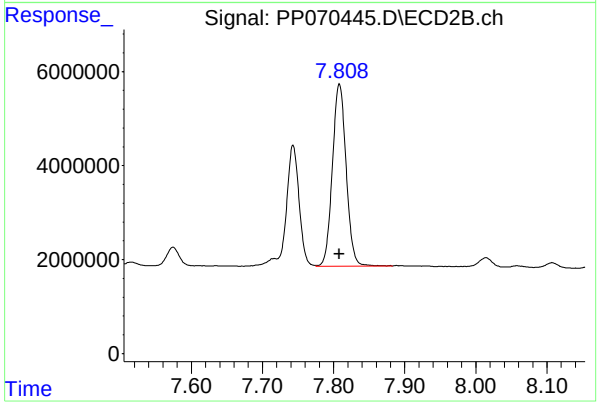
#38 AR-1262-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 32993103
Conc: 500.00 ng/ml



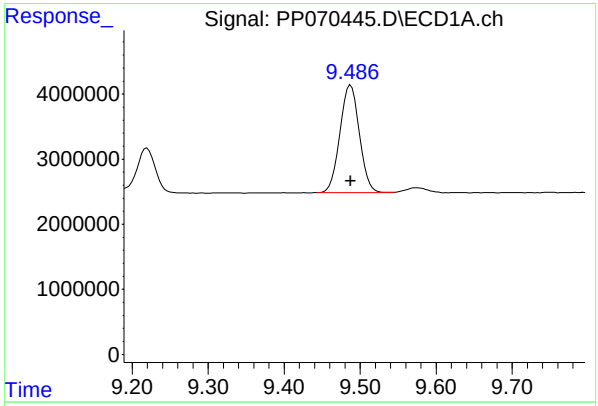
#39 AR-1262-4

R.T.: 8.830 min
Delta R.T.: 0.000 min
Response: 41901860
Conc: 500.00 ng/ml



#39 AR-1262-4

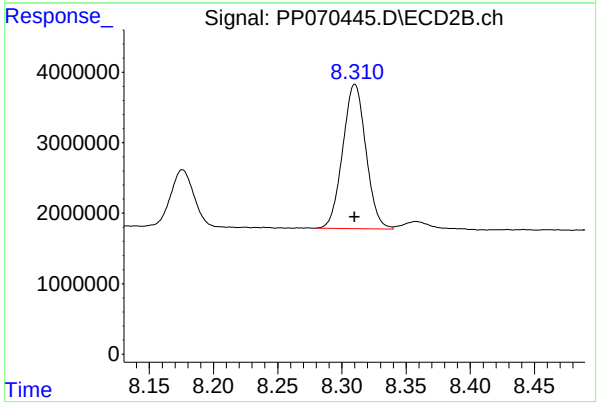
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 52217661
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.487 min
Delta R.T.: 0.000 min
Response: 29448112
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 25775032
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:33
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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...	4.527	3.827	156.0E6	101.9E6	94.867	92.435
2)	SA Decachlor...	10.254	8.878	179.7E6	163.2E6	93.195	93.675
	Target Compounds						
41)	L9 AR-1268-1	8.745	7.743	188.5E6	168.4E6	935.648	940.387
42)	L9 AR-1268-2	8.839	7.808	162.7E6	142.0E6	939.401	947.708
43)	L9 AR-1268-3	9.072	8.015	140.0E6	125.4E6	934.124	967.486
44)	L9 AR-1268-4	9.491	8.309	62601215	54287293	945.965	955.597
45)	L9 AR-1268-5	9.911	8.613	401.2E6	364.2E6	947.852	962.567

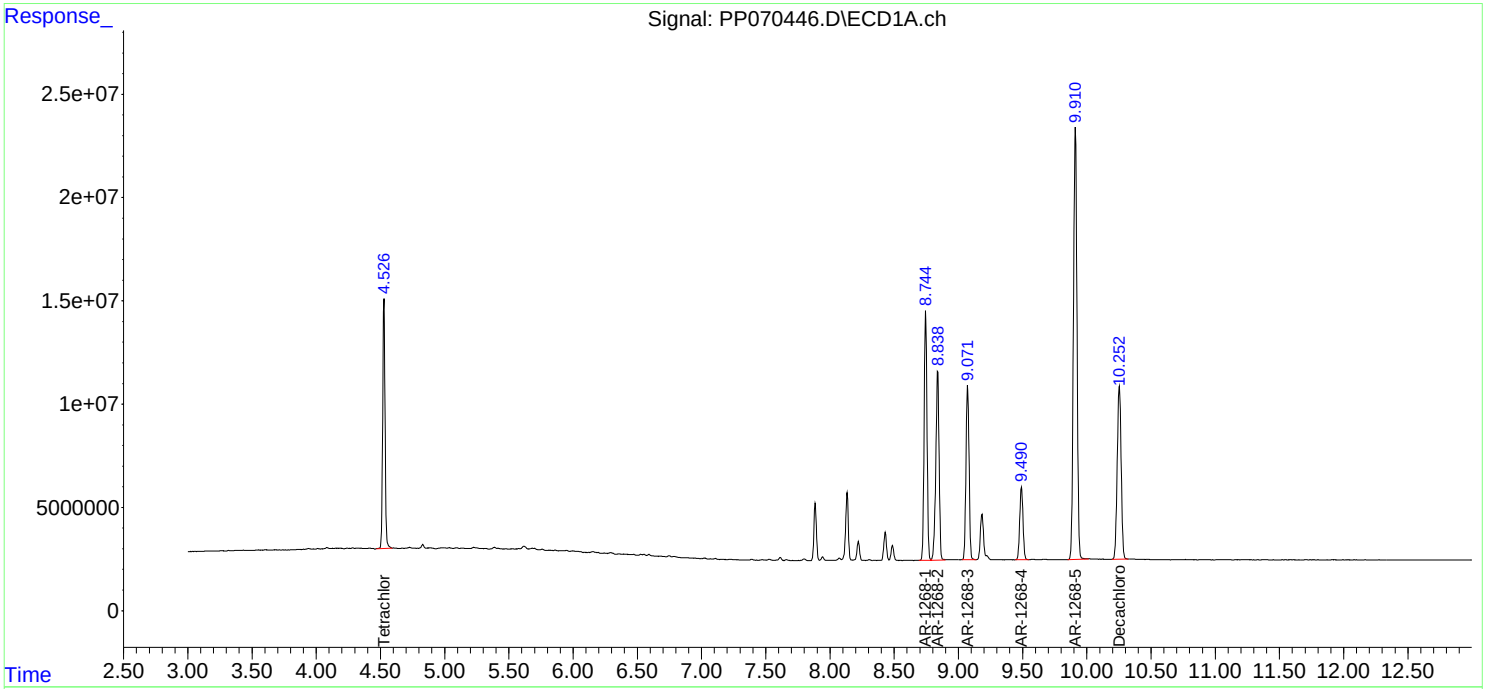
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

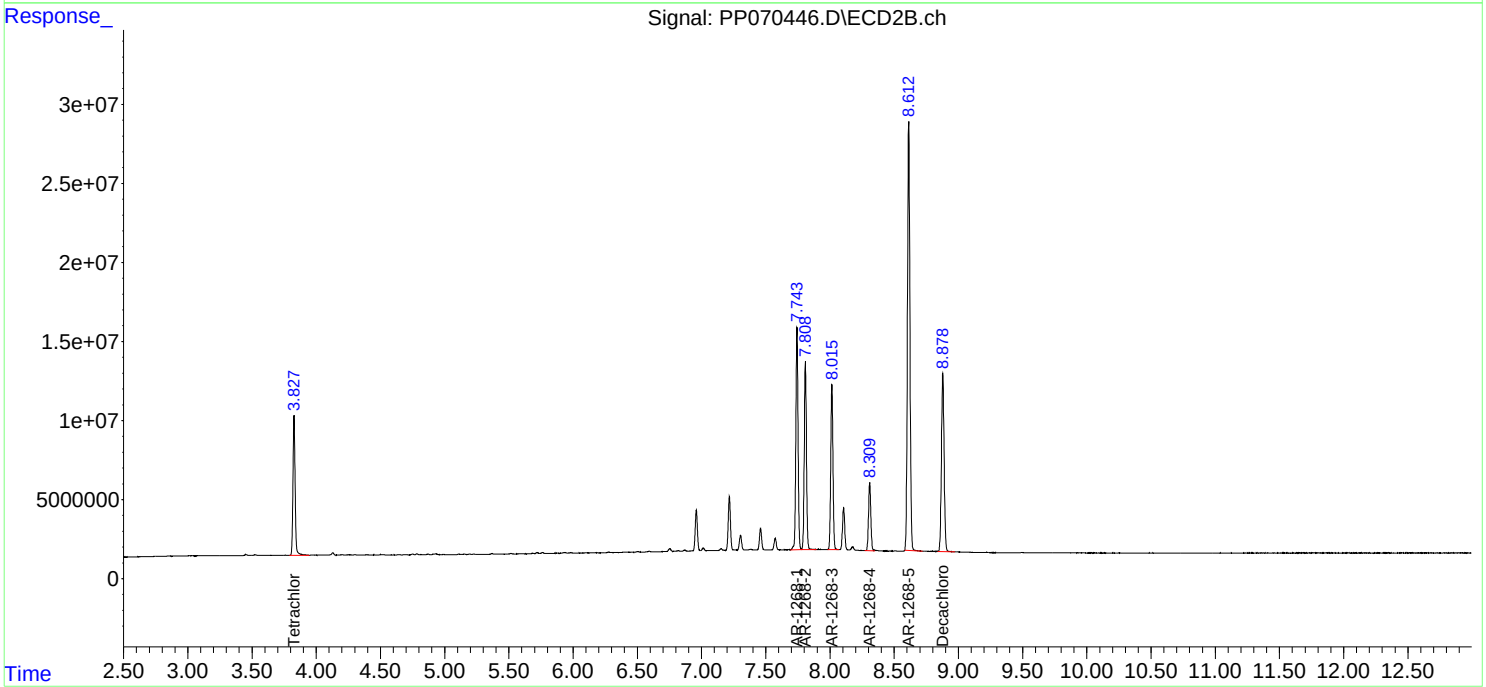
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:33
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

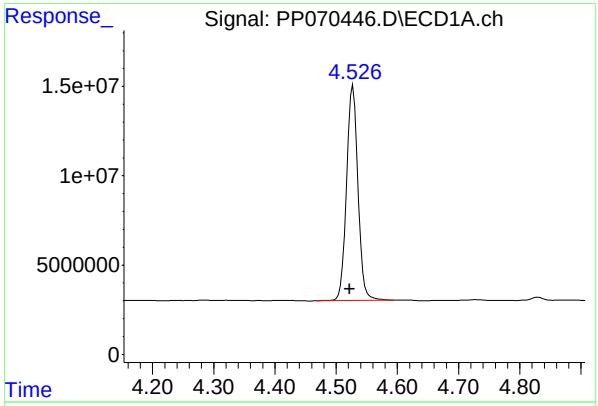
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



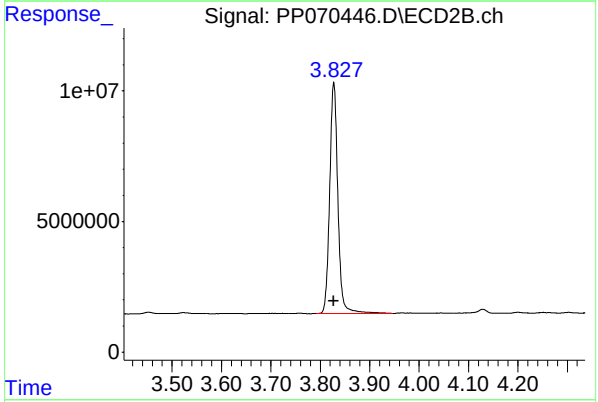




#1 Tetrachloro-m-xylene

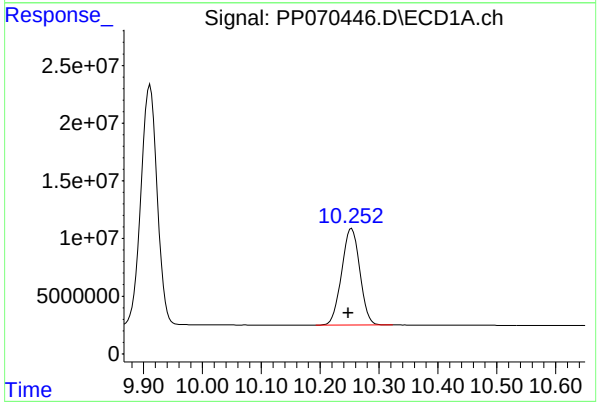
R.T.: 4.527 min
Delta R.T.: 0.005 min
Response: 155964491
Conc: 94.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



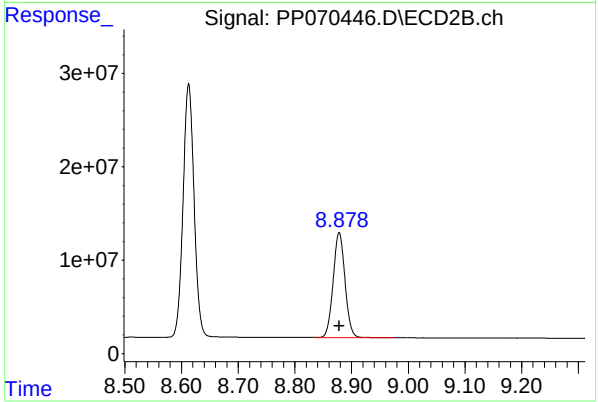
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 101943210
Conc: 92.43 ng/ml



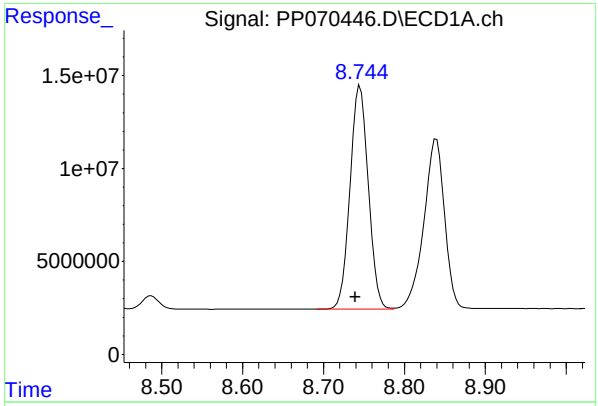
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.005 min
Response: 179730530
Conc: 93.19 ng/ml



#2 Decachlorobiphenyl

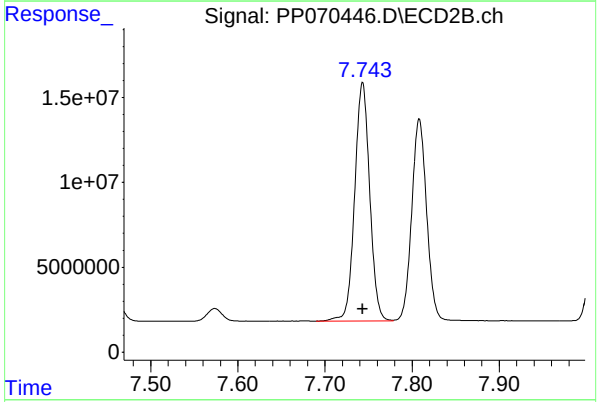
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 163211603
Conc: 93.68 ng/ml



#41 AR-1268-1

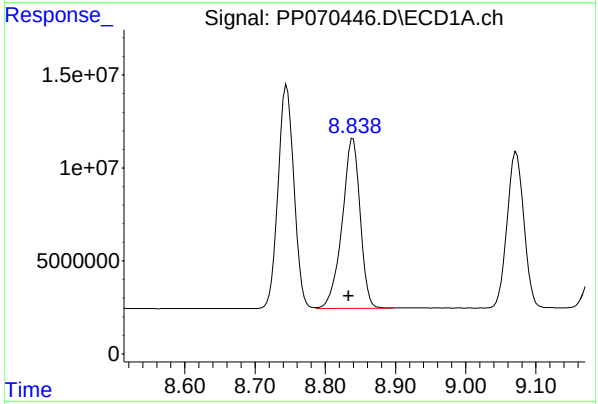
R.T.: 8.745 min
Delta R.T.: 0.006 min
Response: 188529701
Conc: 935.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



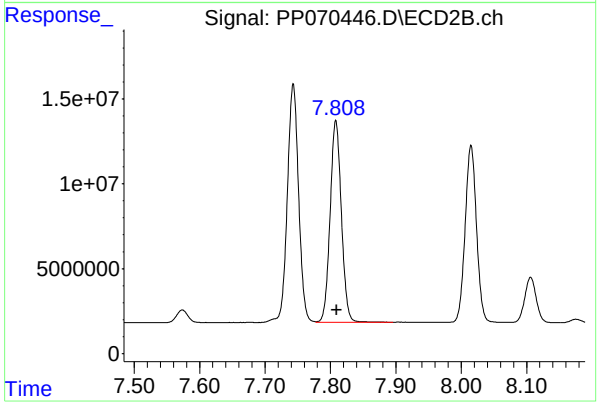
#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 168373725
Conc: 940.39 ng/ml



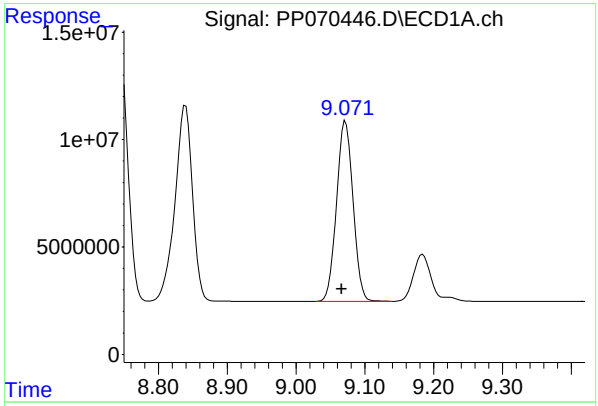
#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.006 min
Response: 162712211
Conc: 939.40 ng/ml



#42 AR-1268-2

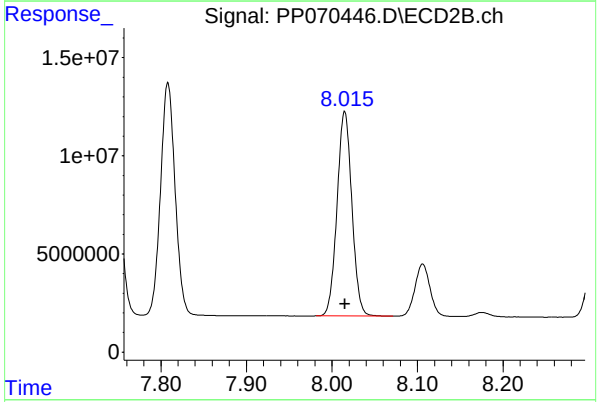
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 142006892
Conc: 947.71 ng/ml



#43 AR-1268-3

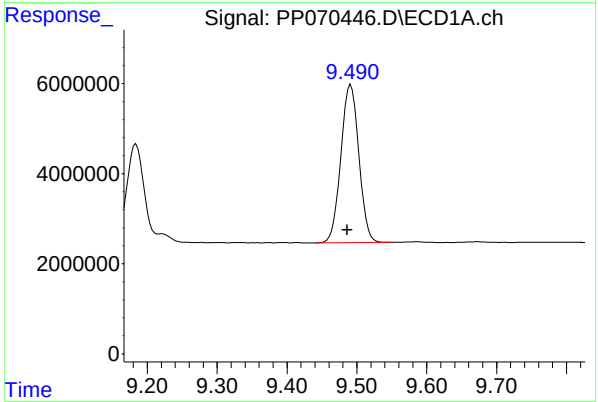
R.T.: 9.072 min
Delta R.T.: 0.006 min
Response: 139964894
Conc: 934.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



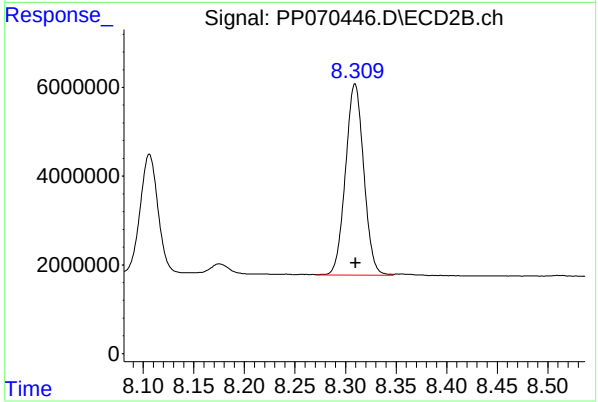
#43 AR-1268-3

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 125351560
Conc: 967.49 ng/ml



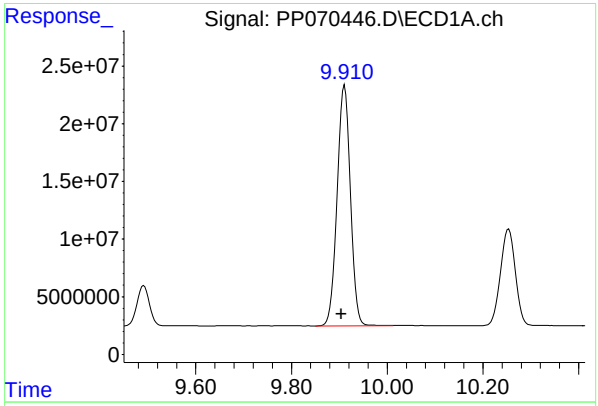
#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.005 min
Response: 62601215
Conc: 945.97 ng/ml



#44 AR-1268-4

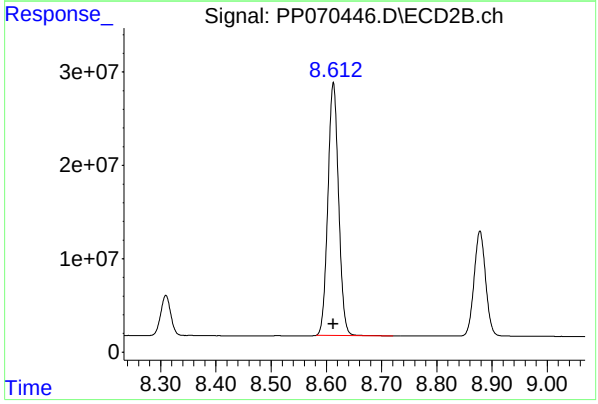
R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 54287293
Conc: 955.60 ng/ml



#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.007 mi
Response: 401160937
Conc: 947.85 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 364151928
Conc: 962.57 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:49
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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...	4.525	3.828	116.7E6	77586720	71.014	70.350
2)	SA Decachlor...	10.250	8.879	138.1E6	124.4E6	71.630	71.383
	Target Compounds						
41)	L9 AR-1268-1	8.742	7.744	143.6E6	124.5E6	712.768	695.587
42)	L9 AR-1268-2	8.836	7.809	124.1E6	105.1E6	716.292	701.198
43)	L9 AR-1268-3	9.069	8.016	107.0E6	90348904	713.888	697.329
44)	L9 AR-1268-4	9.489	8.309	47447237	39925484	716.974	702.792
45)	L9 AR-1268-5	9.908	8.614	305.7E6	271.7E6	722.384	718.128

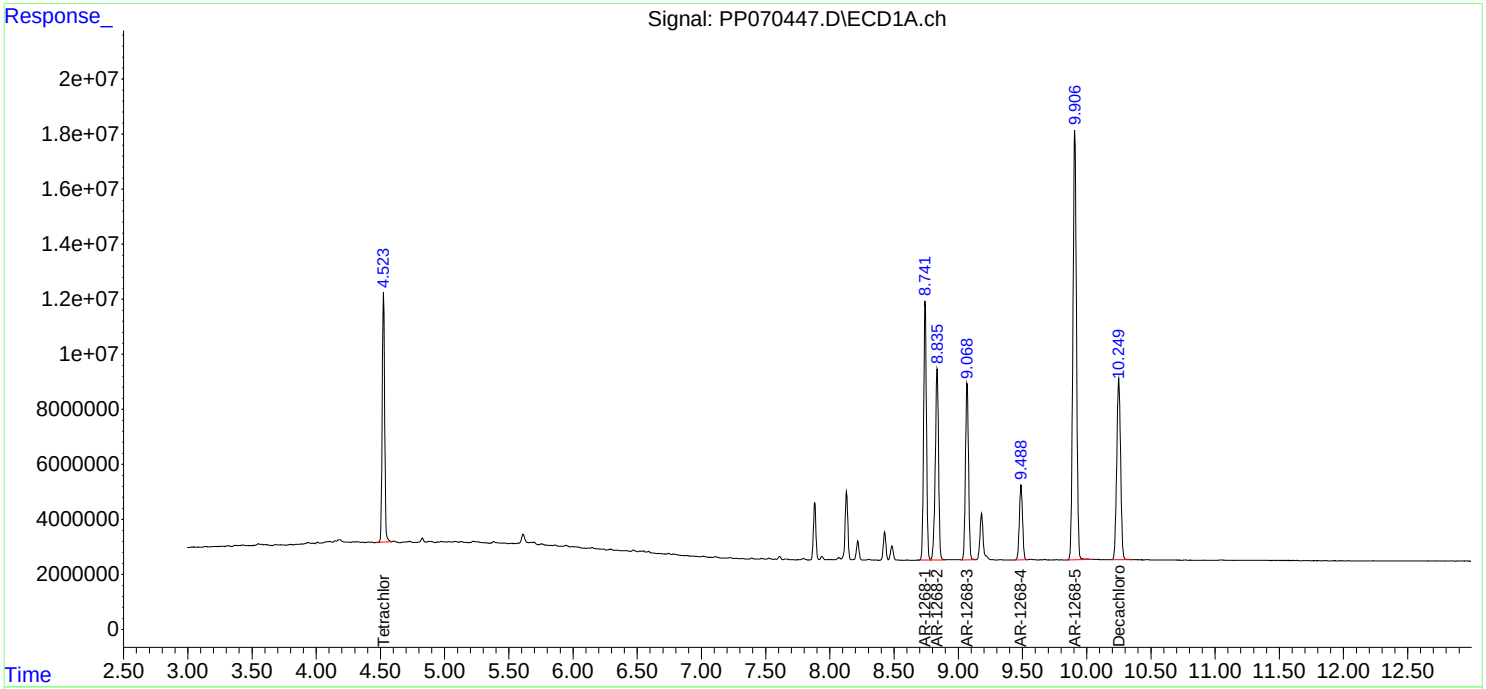
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

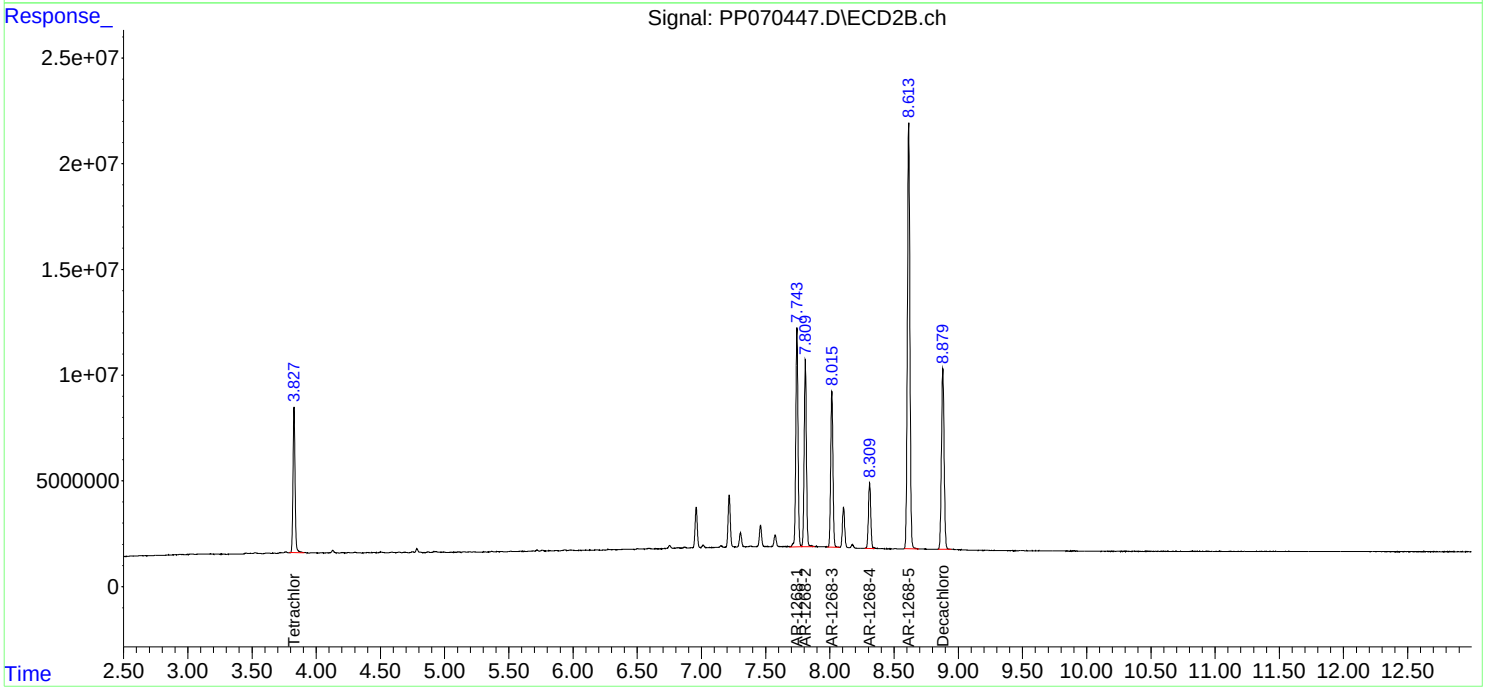
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:49
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

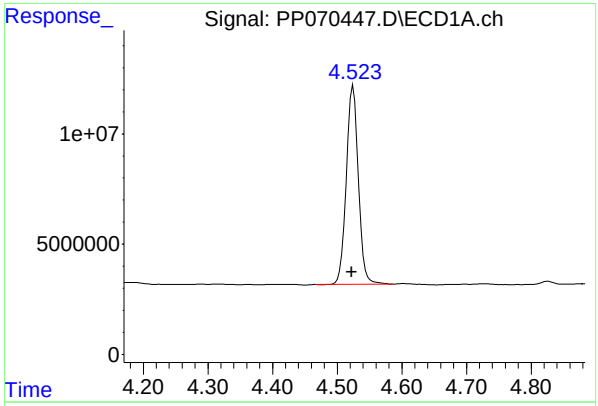
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



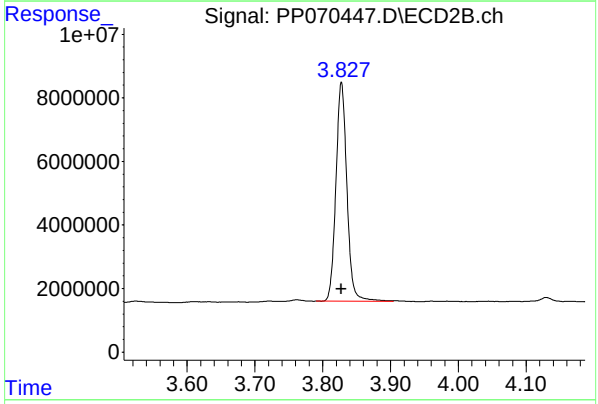




#1 Tetrachloro-m-xylene

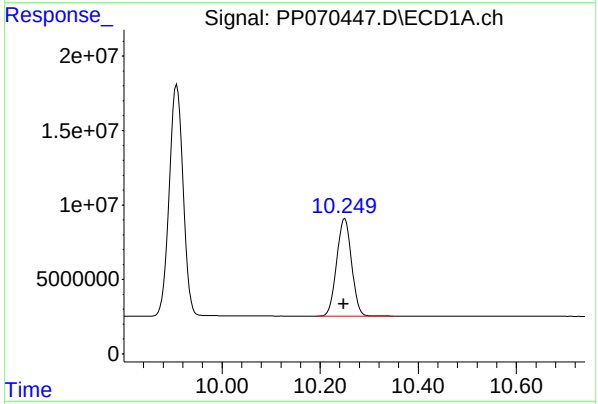
R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 116749803
Conc: 71.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



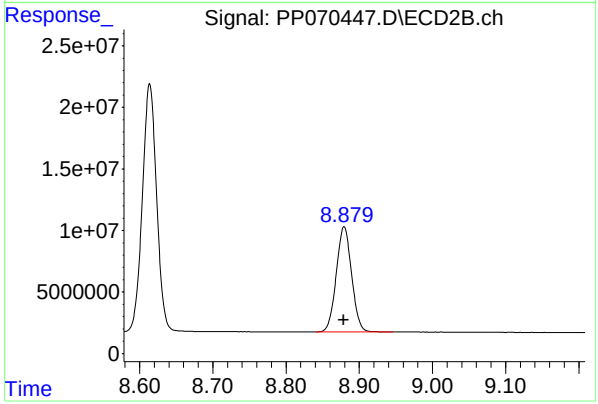
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 77586720
Conc: 70.35 ng/ml



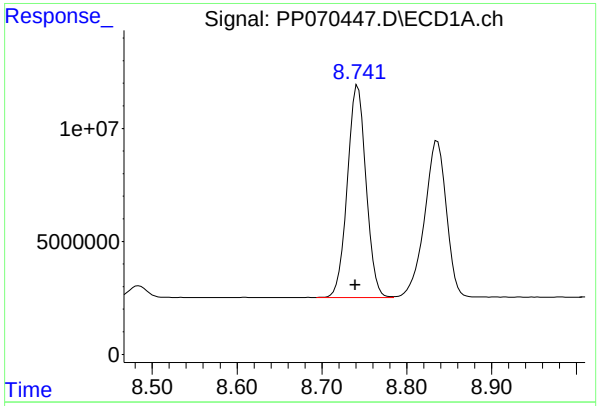
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: 0.002 min
Response: 138141204
Conc: 71.63 ng/ml



#2 Decachlorobiphenyl

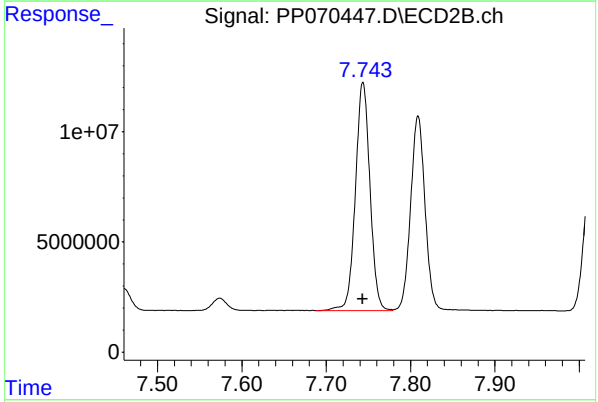
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 124371034
Conc: 71.38 ng/ml



#41 AR-1268-1

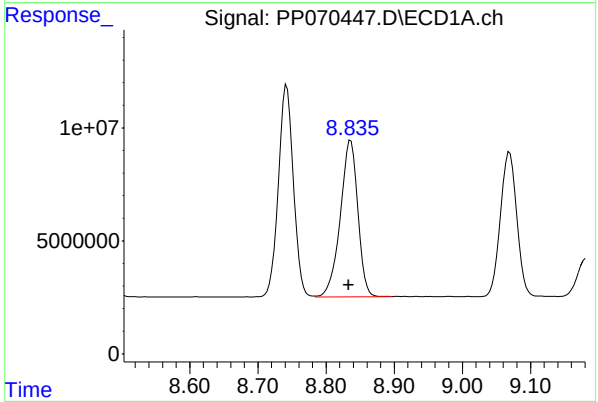
R.T.: 8.742 min
Delta R.T.: 0.003 min
Response: 143620217
Conc: 712.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



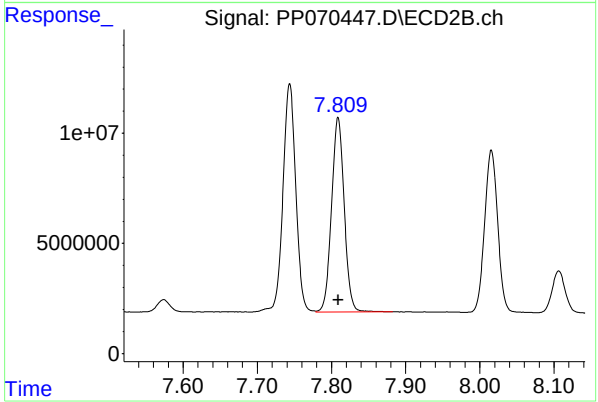
#41 AR-1268-1

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 124542867
Conc: 695.59 ng/ml



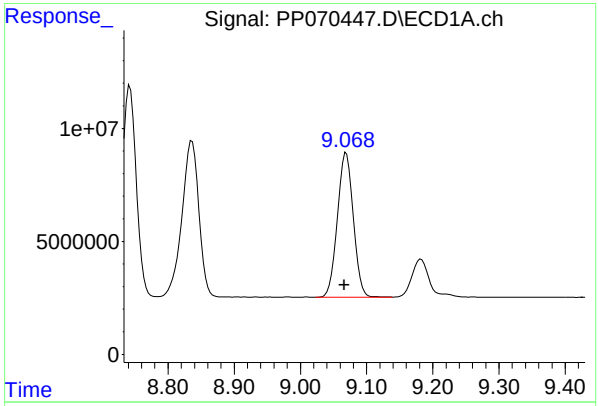
#42 AR-1268-2

R.T.: 8.836 min
Delta R.T.: 0.003 min
Response: 124067871
Conc: 716.29 ng/ml



#42 AR-1268-2

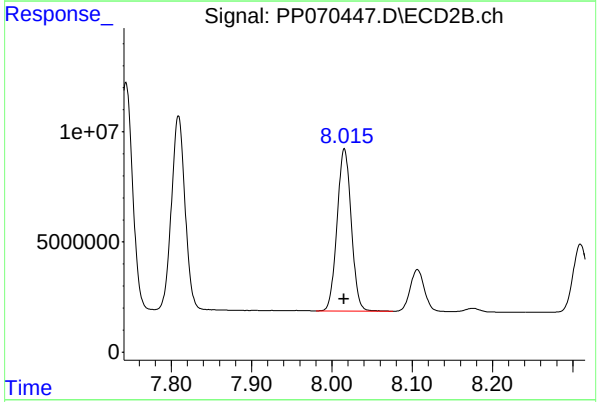
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 105069147
Conc: 701.20 ng/ml



#43 AR-1268-3

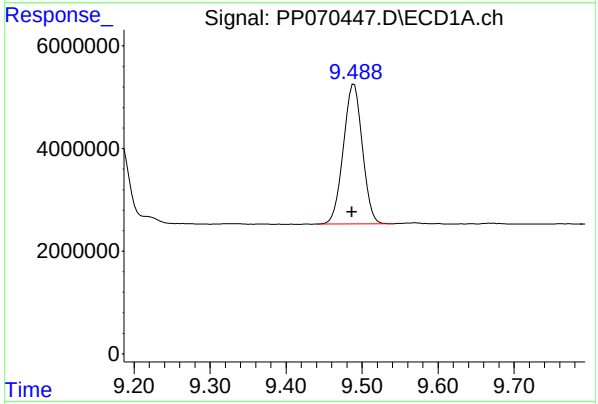
R.T.: 9.069 min
Delta R.T.: 0.003 min
Response: 106965737
Conc: 713.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



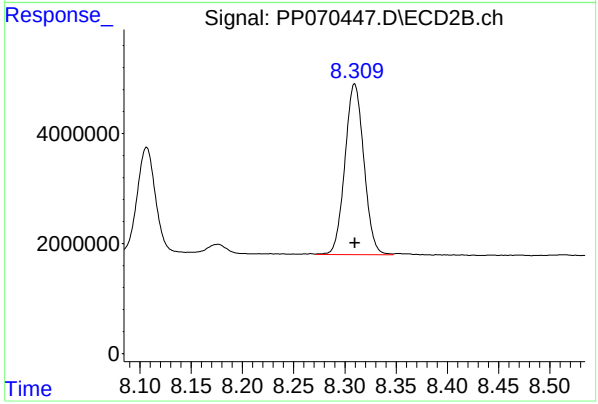
#43 AR-1268-3

R.T.: 8.016 min
Delta R.T.: 0.000 min
Response: 90348904
Conc: 697.33 ng/ml



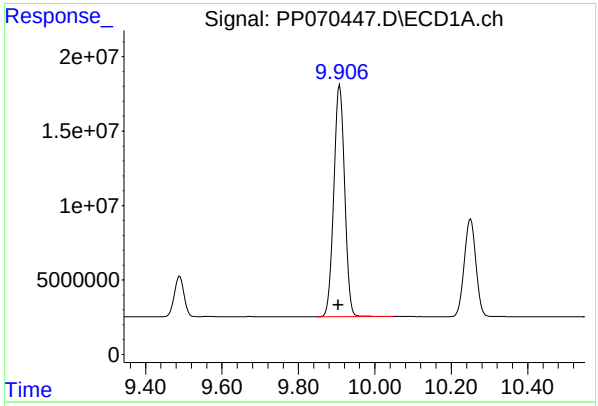
#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: 0.003 min
Response: 47447237
Conc: 716.97 ng/ml



#44 AR-1268-4

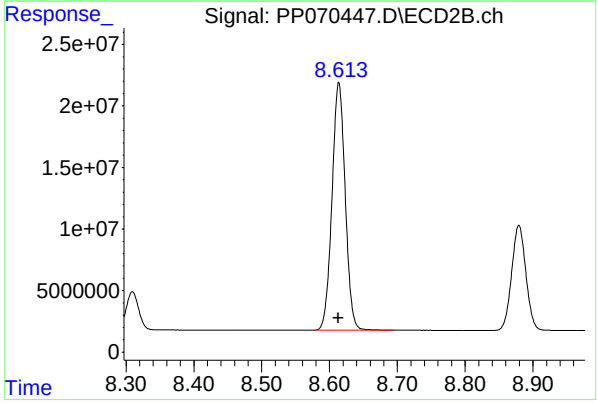
R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 39925484
Conc: 702.79 ng/ml



#45 AR-1268-5

R.T.: 9.908 min
Delta R.T.: 0.003 min
Response: 305735587
Conc: 722.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.614 min
Delta R.T.: 0.000 min
Response: 271677616
Conc: 718.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:05
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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...	4.522	3.827	82202011	55143422	50.000	50.000
2)	SA Decachlor...	10.248	8.879	96427272	87115877	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.740	7.743	100.7E6	89523621	500.000	500.000
42)	L9 AR-1268-2	8.833	7.809	86604260	74921217	500.000	500.000
43)	L9 AR-1268-3	9.066	8.015	74917746	64782125	500.000	500.000
44)	L9 AR-1268-4	9.487	8.310	33088538	28404907	500.000	500.000
45)	L9 AR-1268-5	9.904	8.613	211.6E6	189.2E6	500.000	500.000

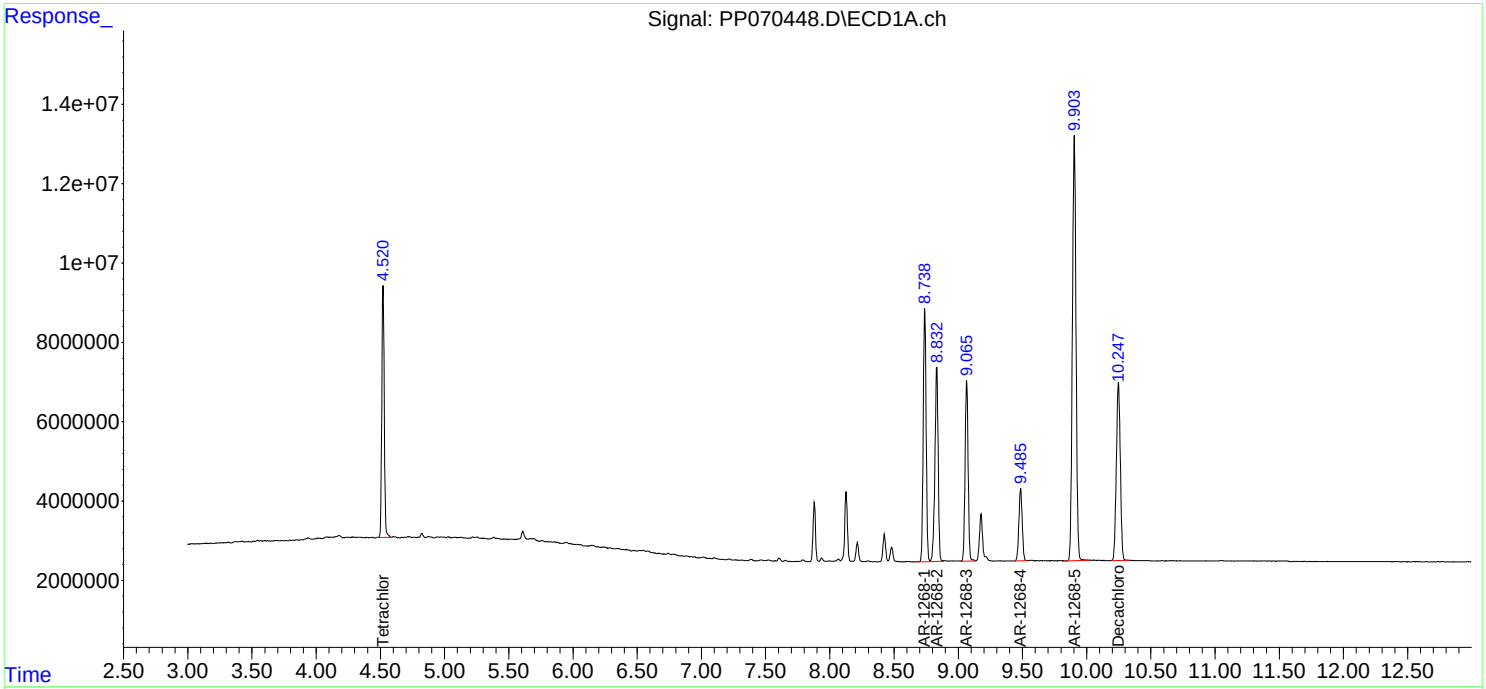
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

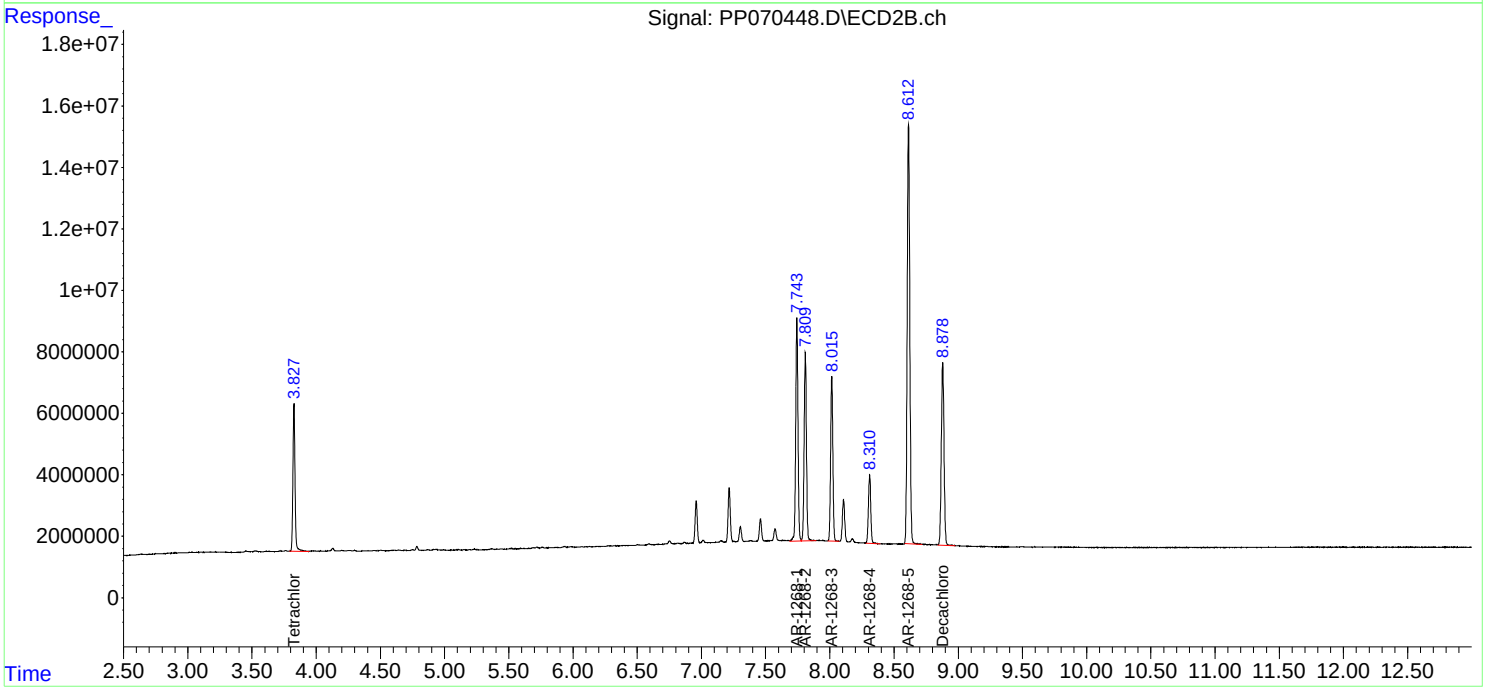
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:05
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

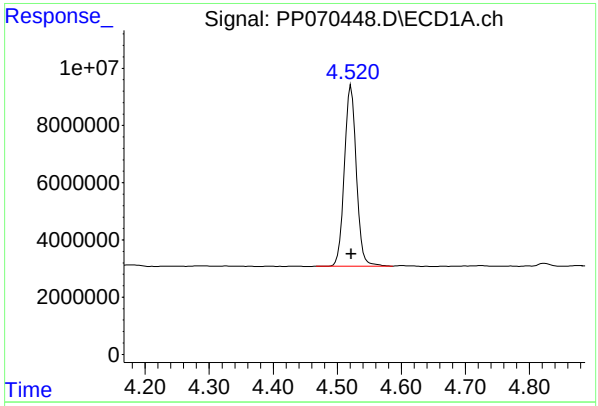
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



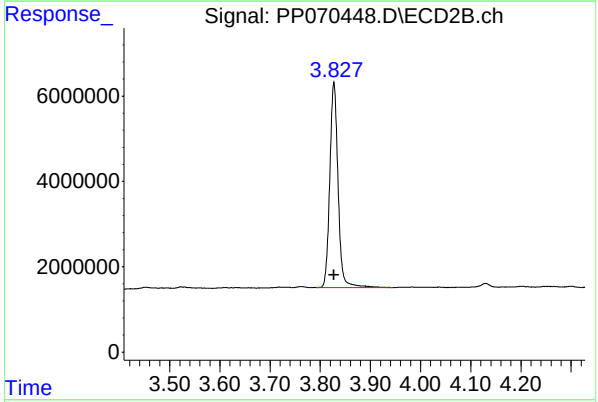




#1 Tetrachloro-m-xylene

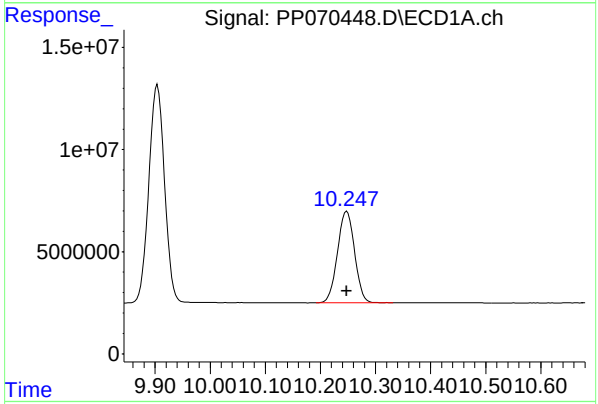
R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 82202011
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



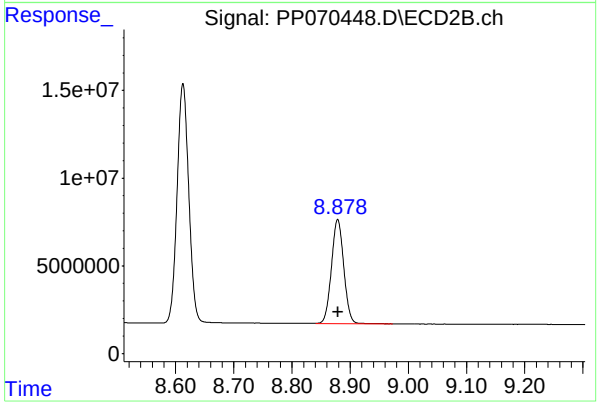
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 55143422
Conc: 50.00 ng/ml



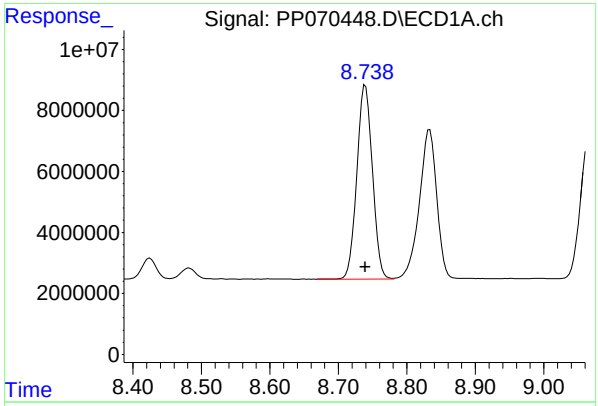
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 96427272
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

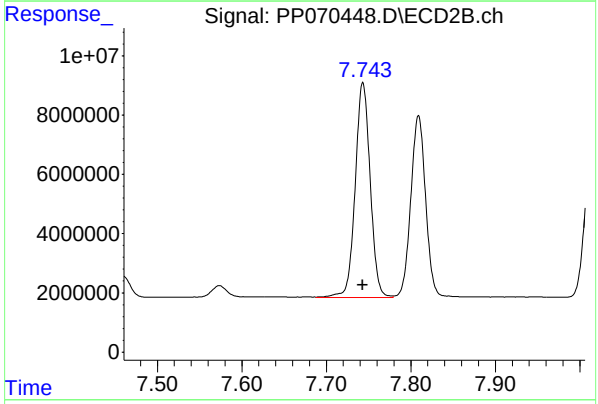
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 87115877
Conc: 50.00 ng/ml



#41 AR-1268-1

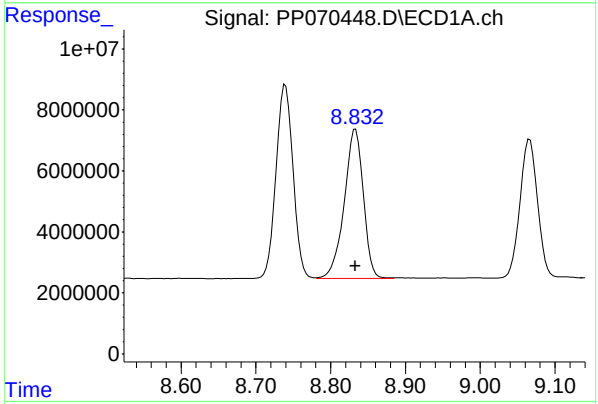
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 100748213
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



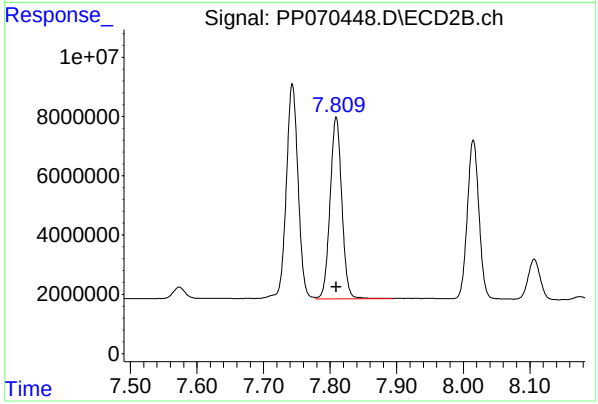
#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 89523621
Conc: 500.00 ng/ml



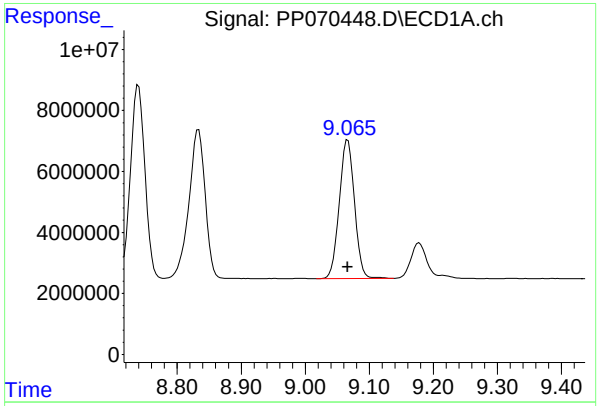
#42 AR-1268-2

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 86604260
Conc: 500.00 ng/ml



#42 AR-1268-2

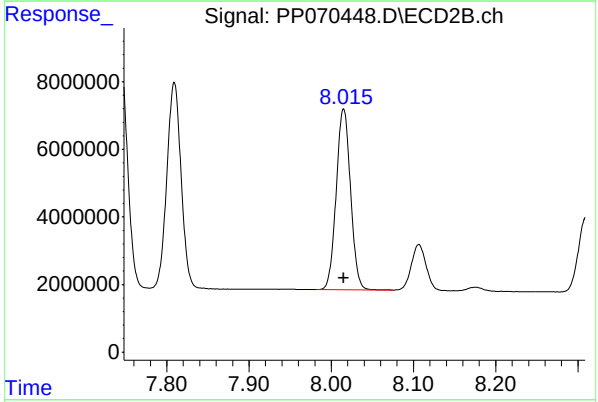
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 74921217
Conc: 500.00 ng/ml



#43 AR-1268-3

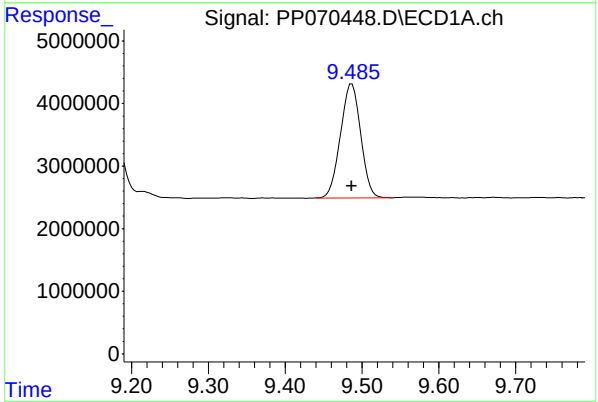
R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 74917746
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



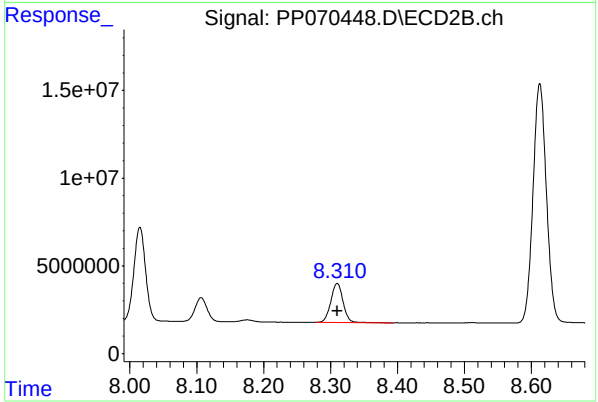
#43 AR-1268-3

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 64782125
Conc: 500.00 ng/ml



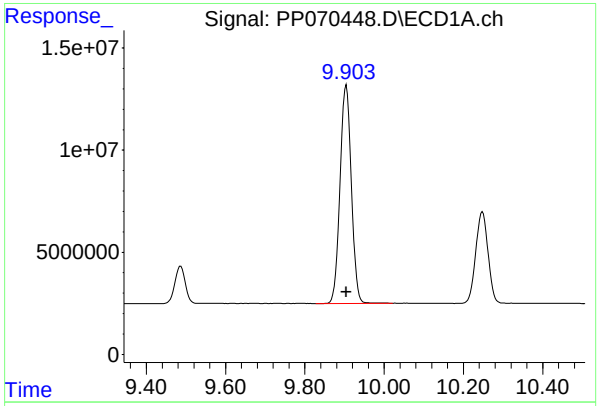
#44 AR-1268-4

R.T.: 9.487 min
Delta R.T.: 0.000 min
Response: 33088538
Conc: 500.00 ng/ml



#44 AR-1268-4

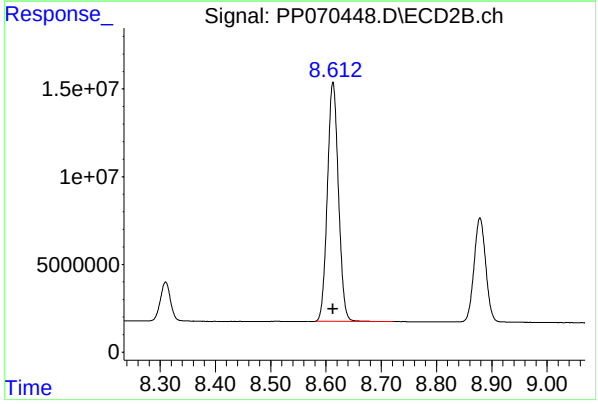
R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 28404907
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.904 min
Delta R.T.: 0.000 min
Response: 211615812
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 189156722
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:22
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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...	4.523	3.826	42716878	29621715	25.983	26.859
2)	SA Decachlor...	10.248	8.877	50455822	45920300	26.163	26.356
	Target Compounds						
41)	L9 AR-1268-1	8.741	7.742	52769831	46752818	261.890	261.120
42)	L9 AR-1268-2	8.834	7.808	45106498	38372677	260.417	256.087
43)	L9 AR-1268-3	9.067	8.014	38921973	33274907	259.765	256.822
44)	L9 AR-1268-4	9.486	8.308	16901246	14619988	255.394	257.350
45)	L9 AR-1268-5	9.905	8.612	110.8E6	95223241	261.876	251.705

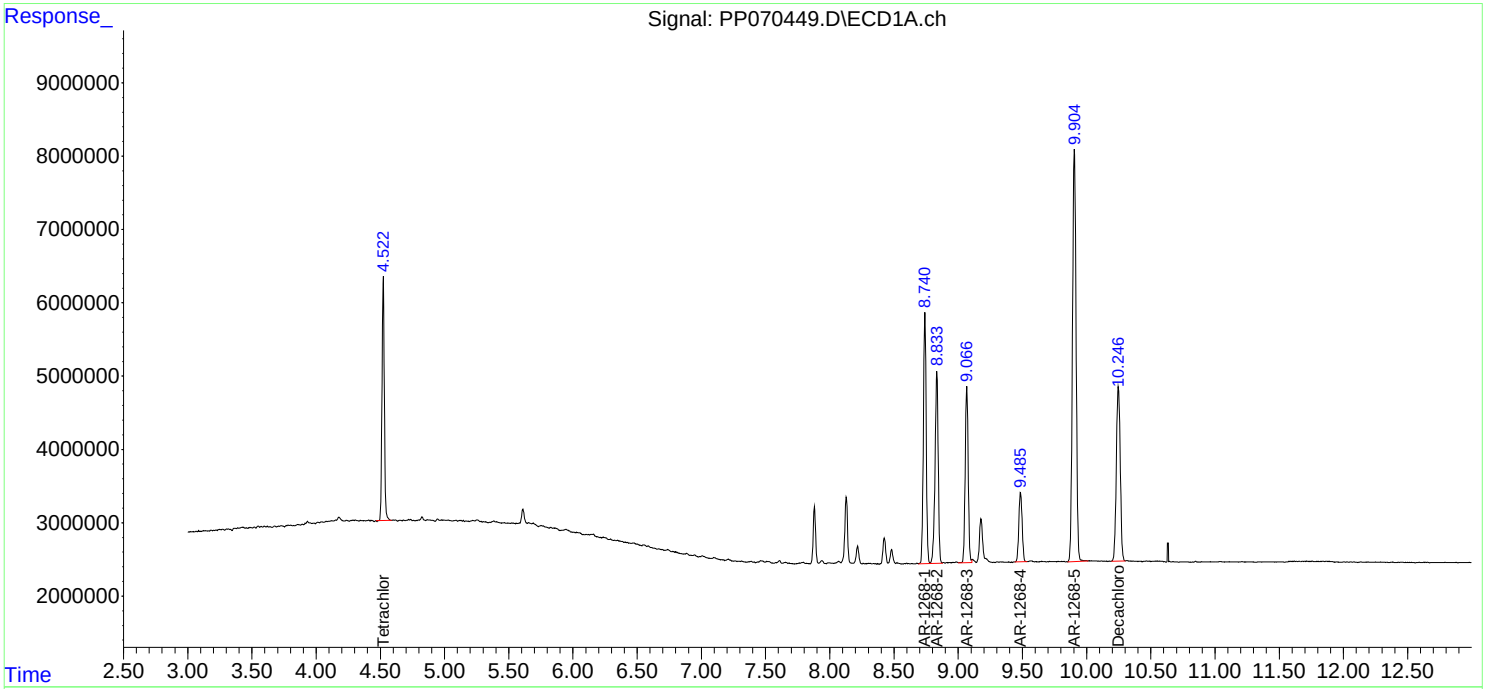
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

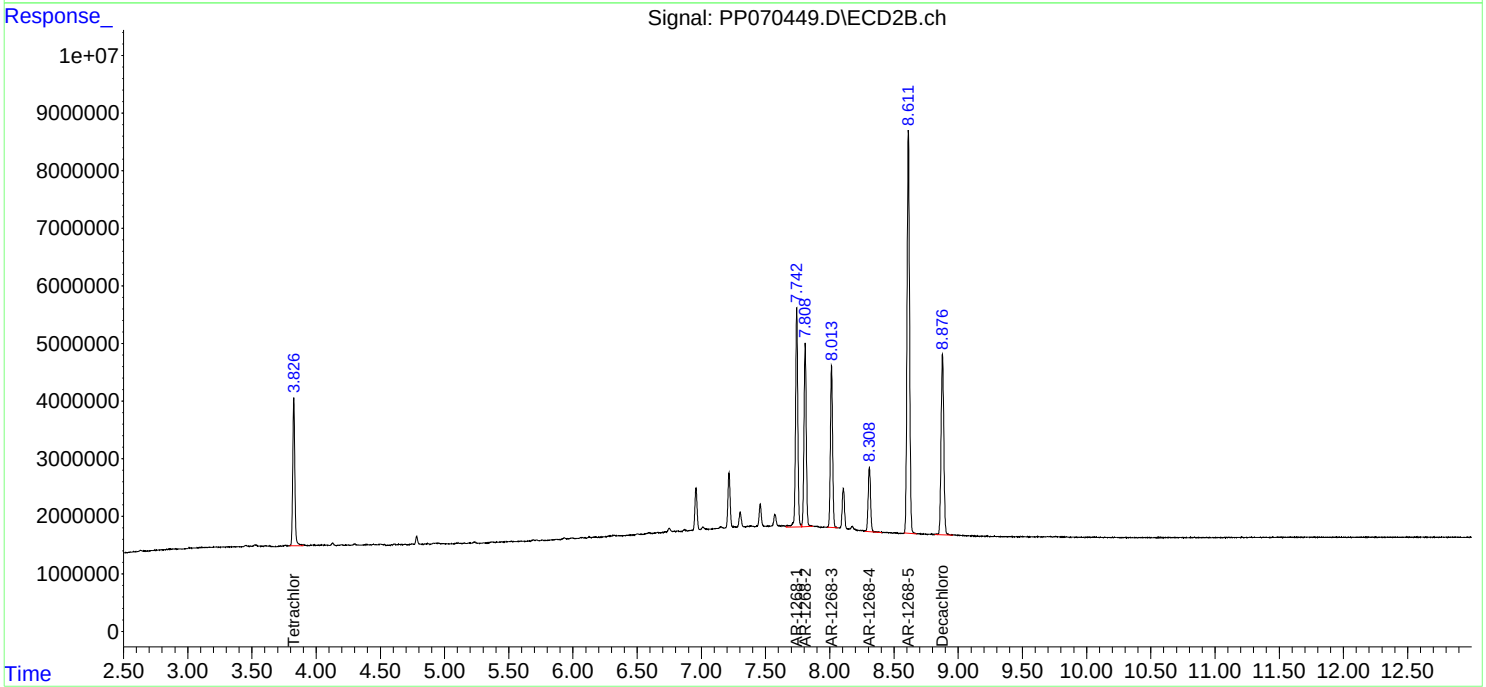
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:22
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

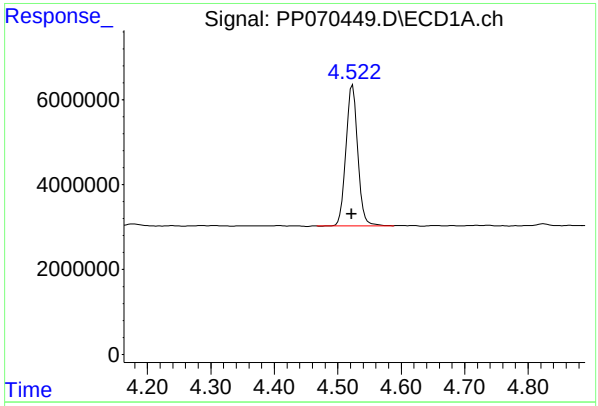
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



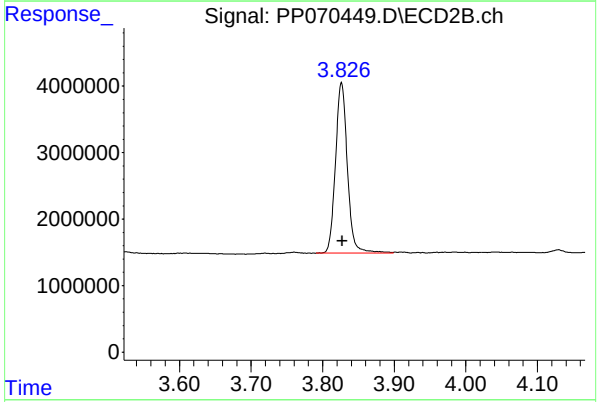




#1 Tetrachloro-m-xylene

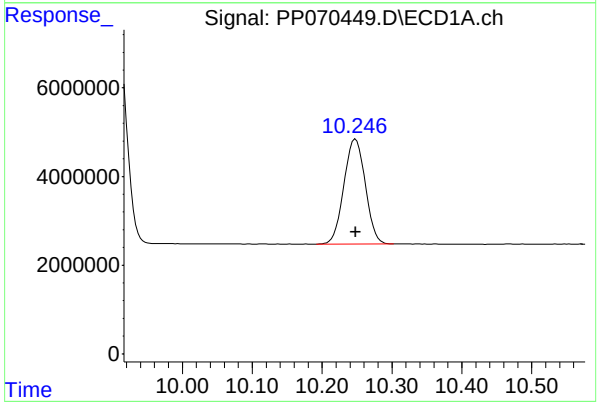
R.T.: 4.523 min
Delta R.T.: 0.001 min
Response: 42716878
Conc: 25.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



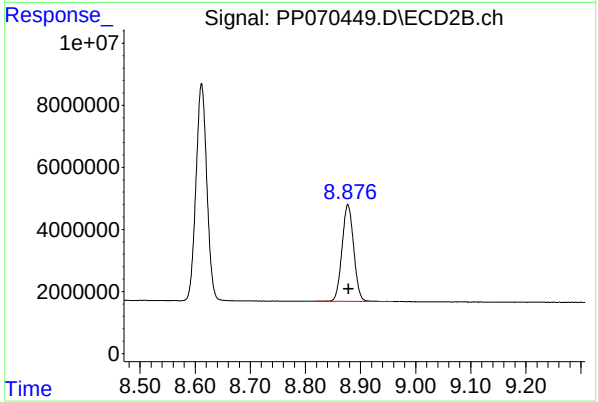
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.001 min
Response: 29621715
Conc: 26.86 ng/ml



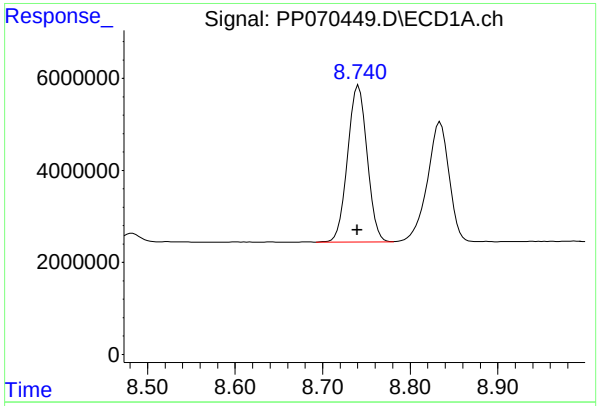
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 50455822
Conc: 26.16 ng/ml



#2 Decachlorobiphenyl

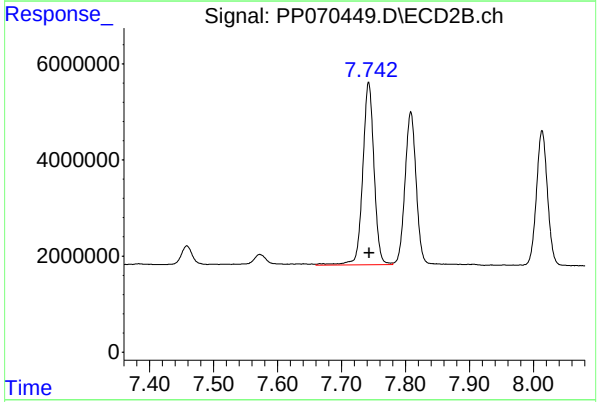
R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 45920300
Conc: 26.36 ng/ml



#41 AR-1268-1

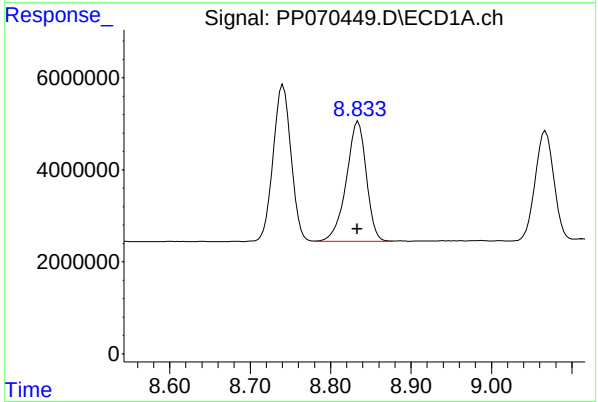
R.T.: 8.741 min
Delta R.T.: 0.002 min
Response: 52769831
Conc: 261.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



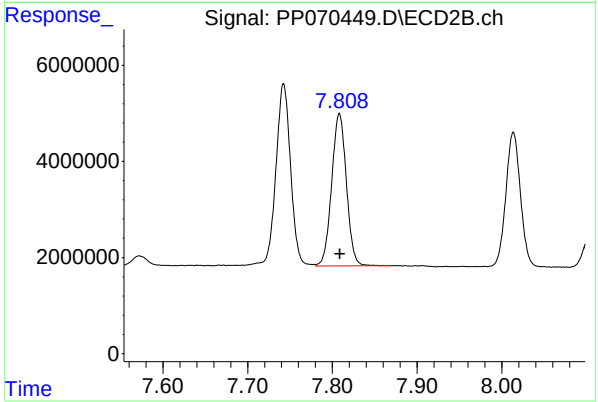
#41 AR-1268-1

R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 46752818
Conc: 261.12 ng/ml



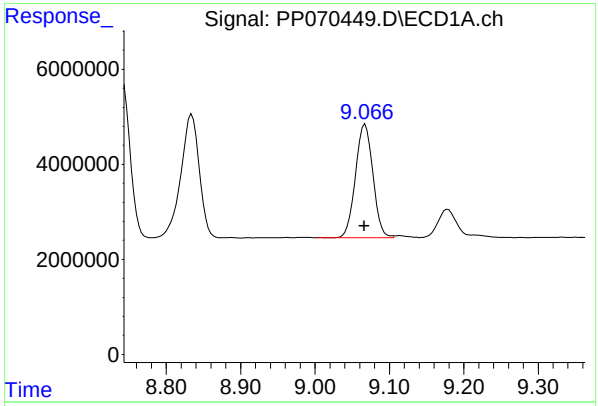
#42 AR-1268-2

R.T.: 8.834 min
Delta R.T.: 0.001 min
Response: 45106498
Conc: 260.42 ng/ml



#42 AR-1268-2

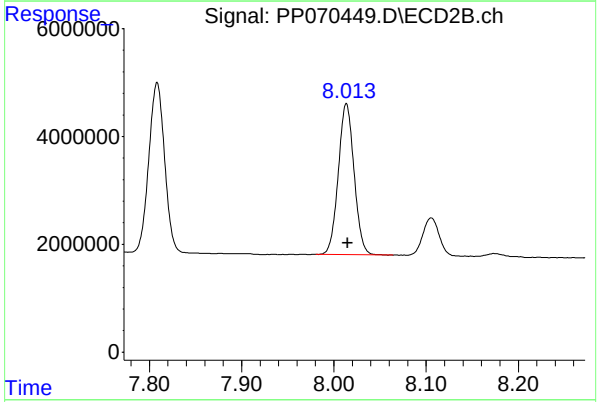
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 38372677
Conc: 256.09 ng/ml



#43 AR-1268-3

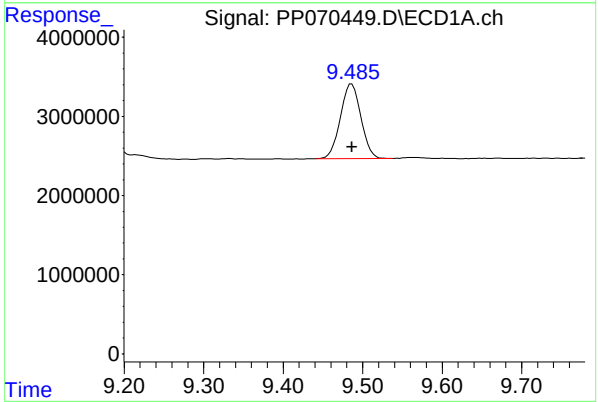
R.T.: 9.067 min
Delta R.T.: 0.001 min
Response: 38921973
Conc: 259.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



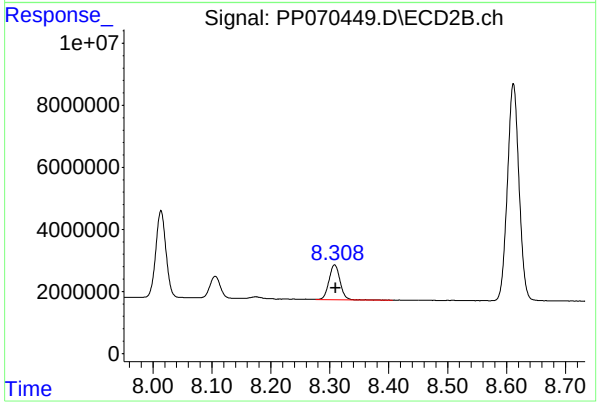
#43 AR-1268-3

R.T.: 8.014 min
Delta R.T.: -0.002 min
Response: 33274907
Conc: 256.82 ng/ml



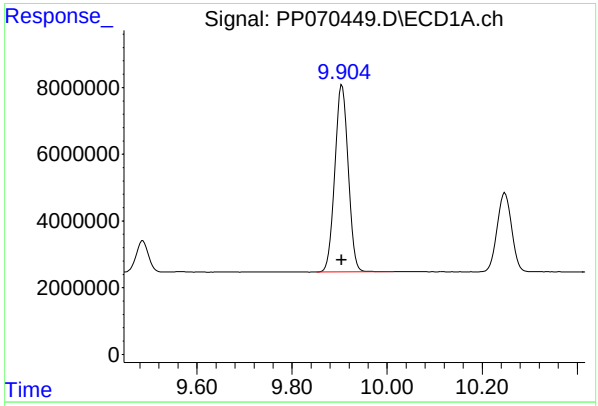
#44 AR-1268-4

R.T.: 9.486 min
Delta R.T.: 0.000 min
Response: 16901246
Conc: 255.39 ng/ml



#44 AR-1268-4

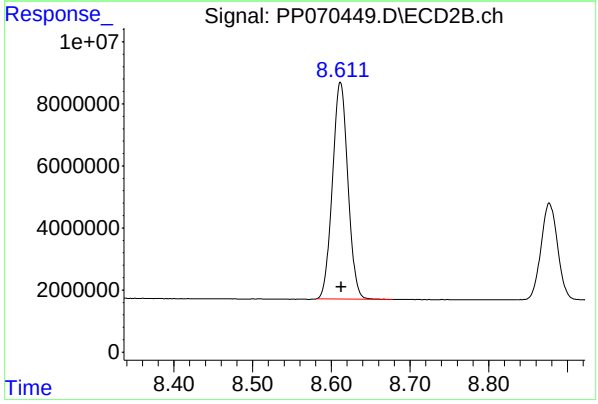
R.T.: 8.308 min
Delta R.T.: -0.002 min
Response: 14619988
Conc: 257.35 ng/ml



#45 AR-1268-5

R.T.: 9.905 min
Delta R.T.: 0.000 mi
Response: 110834314
Conc: 261.88 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.612 min
Delta R.T.: -0.001 min
Response: 95223241
Conc: 251.70 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:38
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:57:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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...	4.528	3.828	8554411	5571543	5.289	5.133
2)	SA Decachlor...	10.252	8.879	9326315	9031570	4.918	5.259
	Target Compounds						
41)	L9 AR-1268-1	8.745	7.743	9919952	8743585	50.063	49.928m
42)	L9 AR-1268-2	8.839	7.808	8340607	7243137	48.935	49.489m
43)	L9 AR-1268-3	9.072	8.014	7178199	6658040	48.822	52.376m
44)	L9 AR-1268-4	9.491	8.309	2987981	2604541	46.032	46.758
45)	L9 AR-1268-5	9.910	8.613	21070074	17728904	50.305	47.735

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:38
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

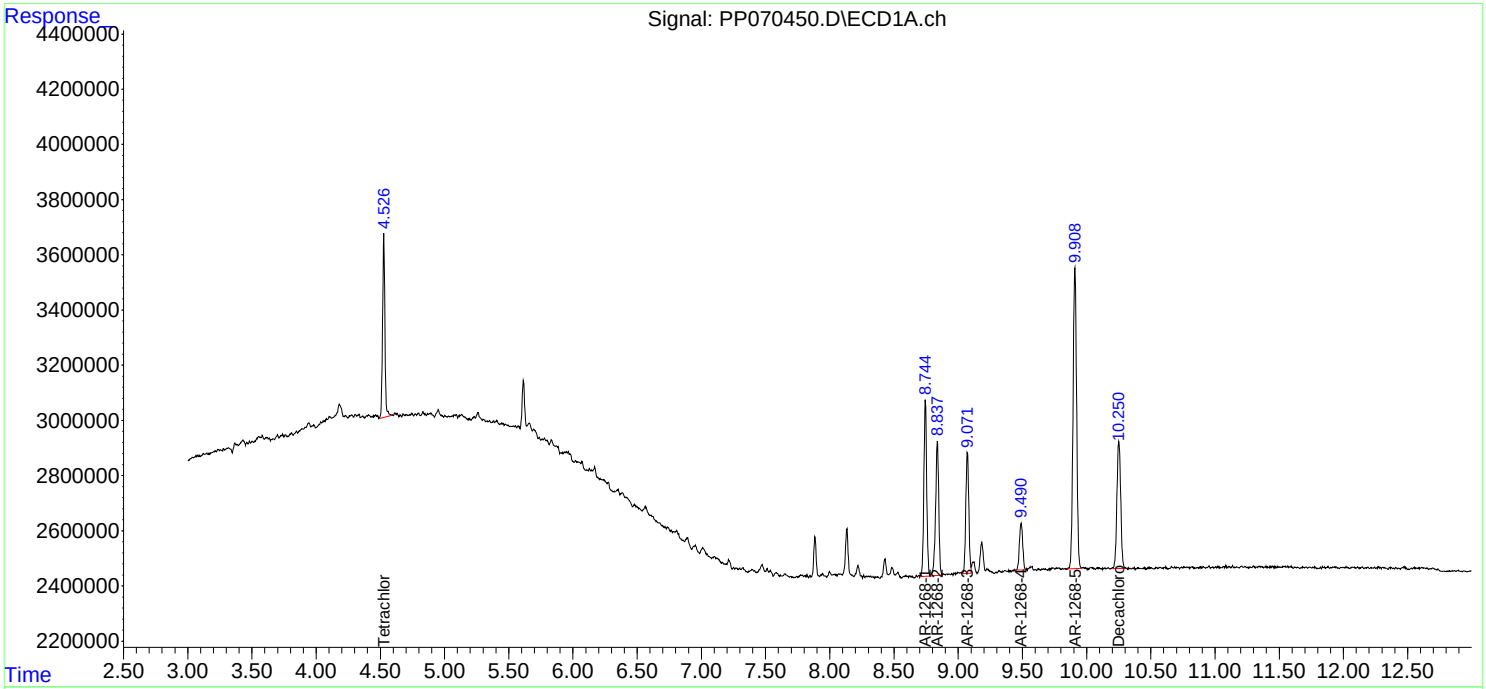
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

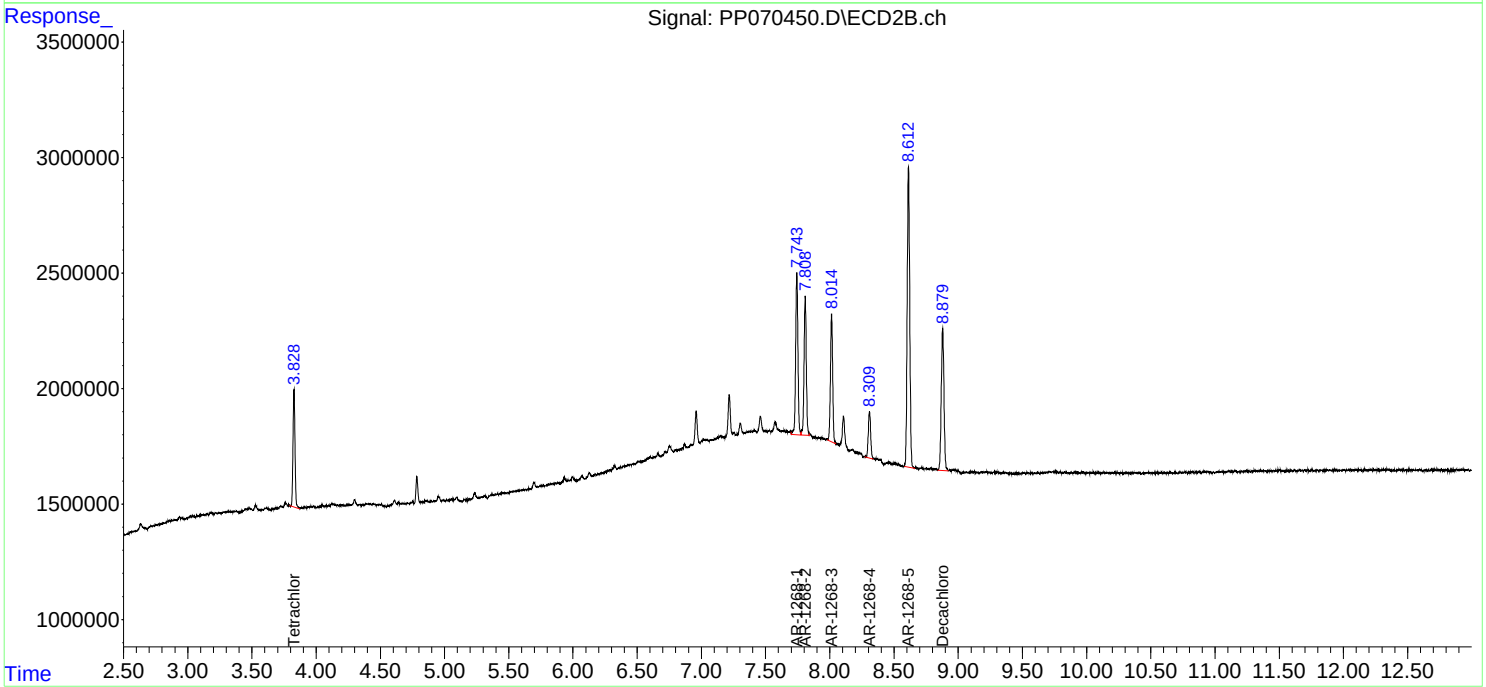
Manual Integrations APPROVED

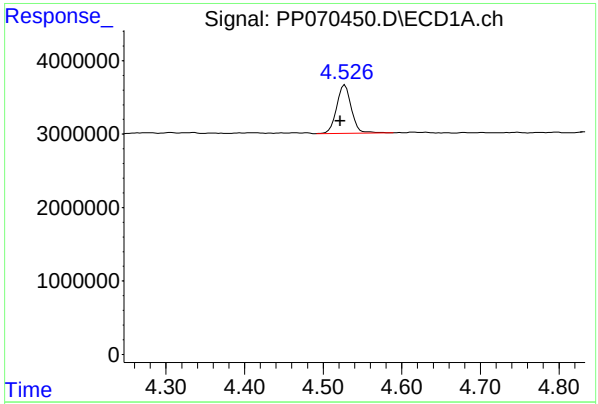
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:57:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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







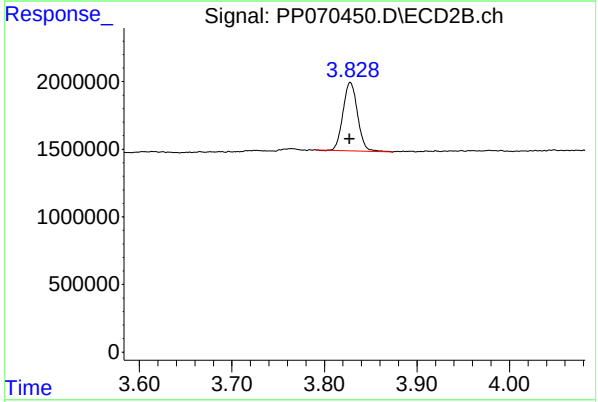
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.006 min
Response: 8554411
Conc: 5.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

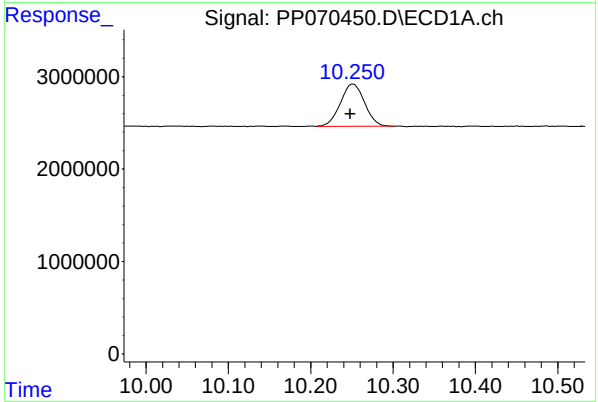
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



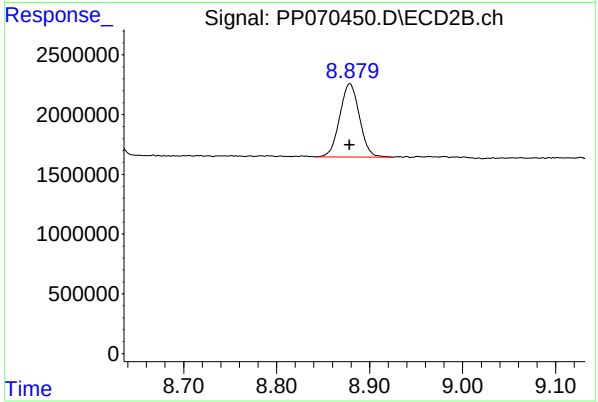
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5571543
Conc: 5.13 ng/ml



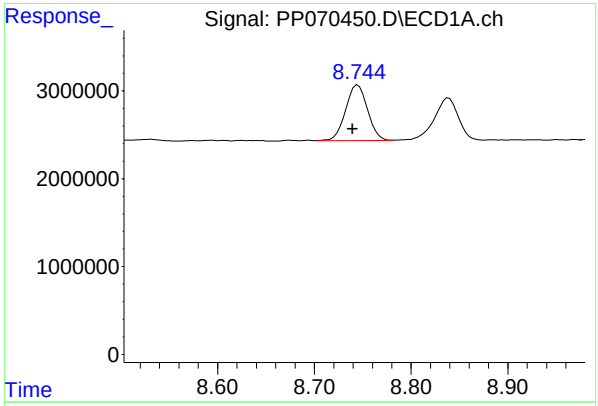
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.004 min
Response: 9326315
Conc: 4.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 9031570
Conc: 5.26 ng/ml



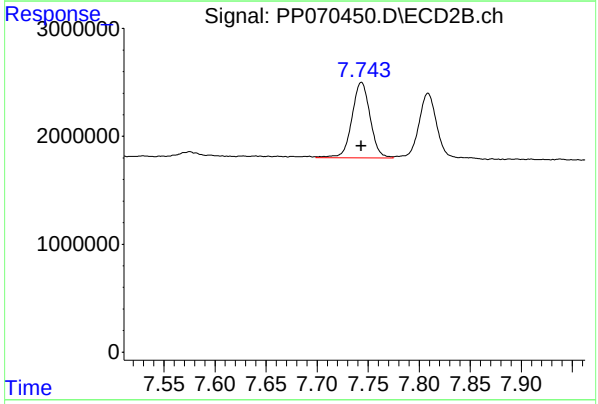
#41 AR-1268-1

R.T.: 8.745 min
Delta R.T.: 0.005 mi
Response: 9919952
Conc: 50.06 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

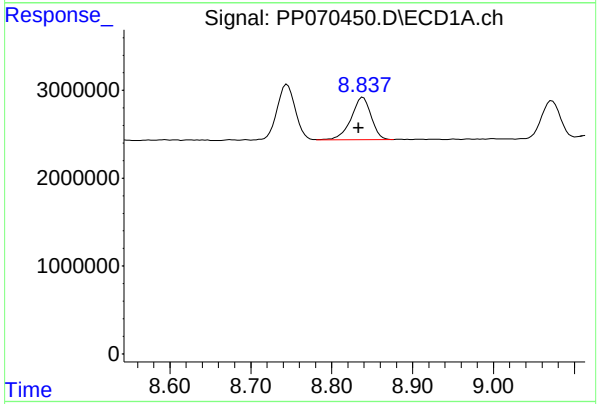
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



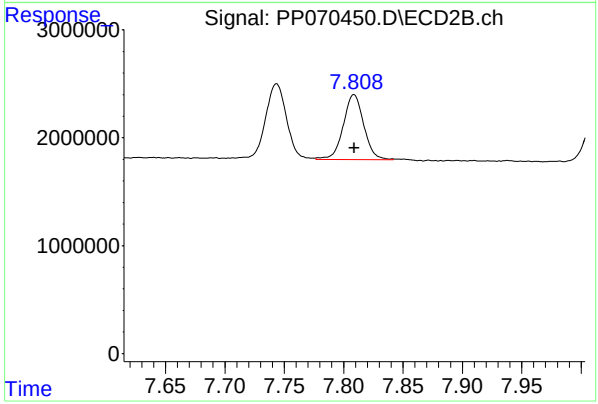
#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 8743585
Conc: 49.93 ng/ml m



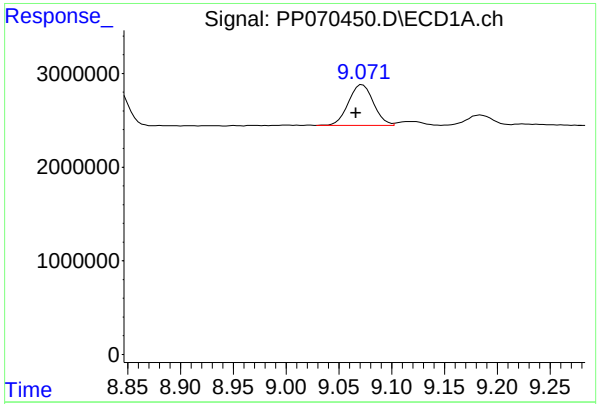
#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.005 min
Response: 8340607
Conc: 48.93 ng/ml



#42 AR-1268-2

R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 7243137
Conc: 49.49 ng/ml m



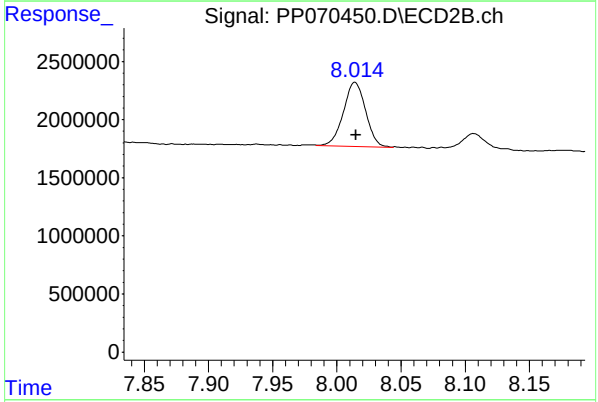
#43 AR-1268-3

R.T.: 9.072 min
Delta R.T.: 0.006 mi
Response: 7178199
Conc: 48.82 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

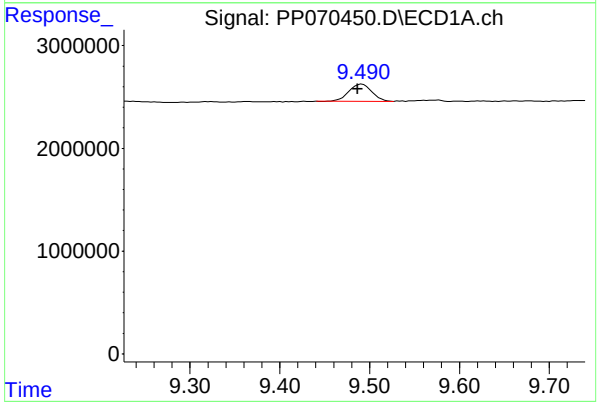
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



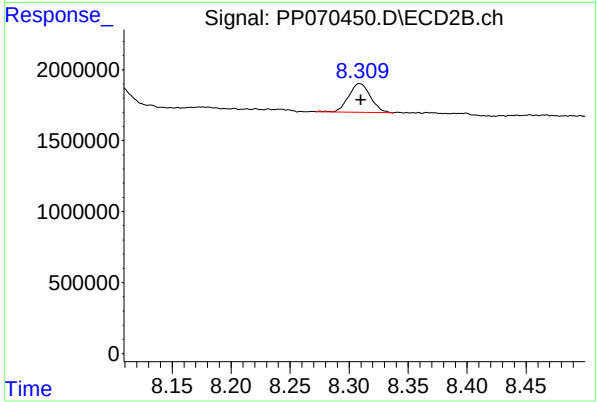
#43 AR-1268-3

R.T.: 8.014 min
Delta R.T.: -0.001 min
Response: 6658040
Conc: 52.38 ng/ml m



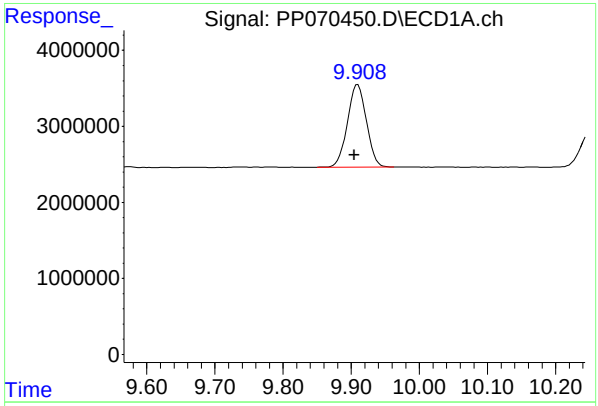
#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.005 min
Response: 2987981
Conc: 46.03 ng/ml



#44 AR-1268-4

R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 2604541
Conc: 46.76 ng/ml



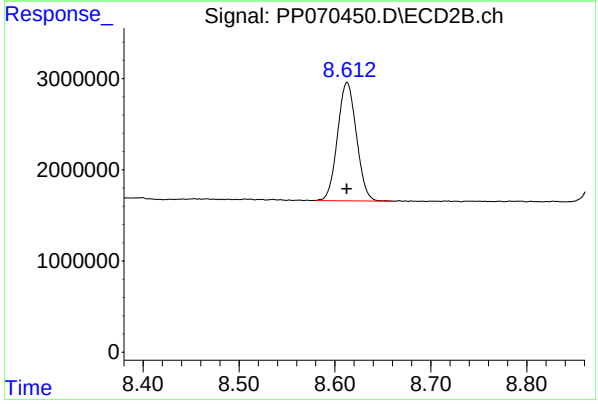
#45 AR-1268-5

R.T.: 9.910 min
Delta R.T.: 0.005 mi
Response: 21070074
Conc: 50.31 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 17728904
Conc: 47.74 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:54
Operator : YP\AJ
Sample : PP031125ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 00:06:24 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...	4.523	3.827	81467484	52091643	52.378	51.973
2)	SA Decachlor...	10.249	8.877	57030864	51101188	53.684	52.231
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.914	26763573	18466483	516.161	513.635
4)	L1 AR-1016-2	5.697	4.933	39150950	25663697	547.223	493.849
5)	L1 AR-1016-3	5.760	5.111	24376753	14439904	535.307	507.493
6)	L1 AR-1016-4	5.857	5.152	20068166	11515792	514.070	514.330
7)	L1 AR-1016-5	6.150	5.367	18221356	14760415	526.294	496.668
31)	L7 AR-1260-1	7.269	6.404	31459138	25772586	535.582	517.684
32)	L7 AR-1260-2	7.523	6.592	43093099	34068219	525.250	515.502
33)	L7 AR-1260-3	7.882	6.746	35379890	29455426	538.034	514.979
34)	L7 AR-1260-4	8.106	7.218	34778399	26486148	532.246	517.676
35)	L7 AR-1260-5	8.427	7.460	73694362	66685007	539.184	517.800

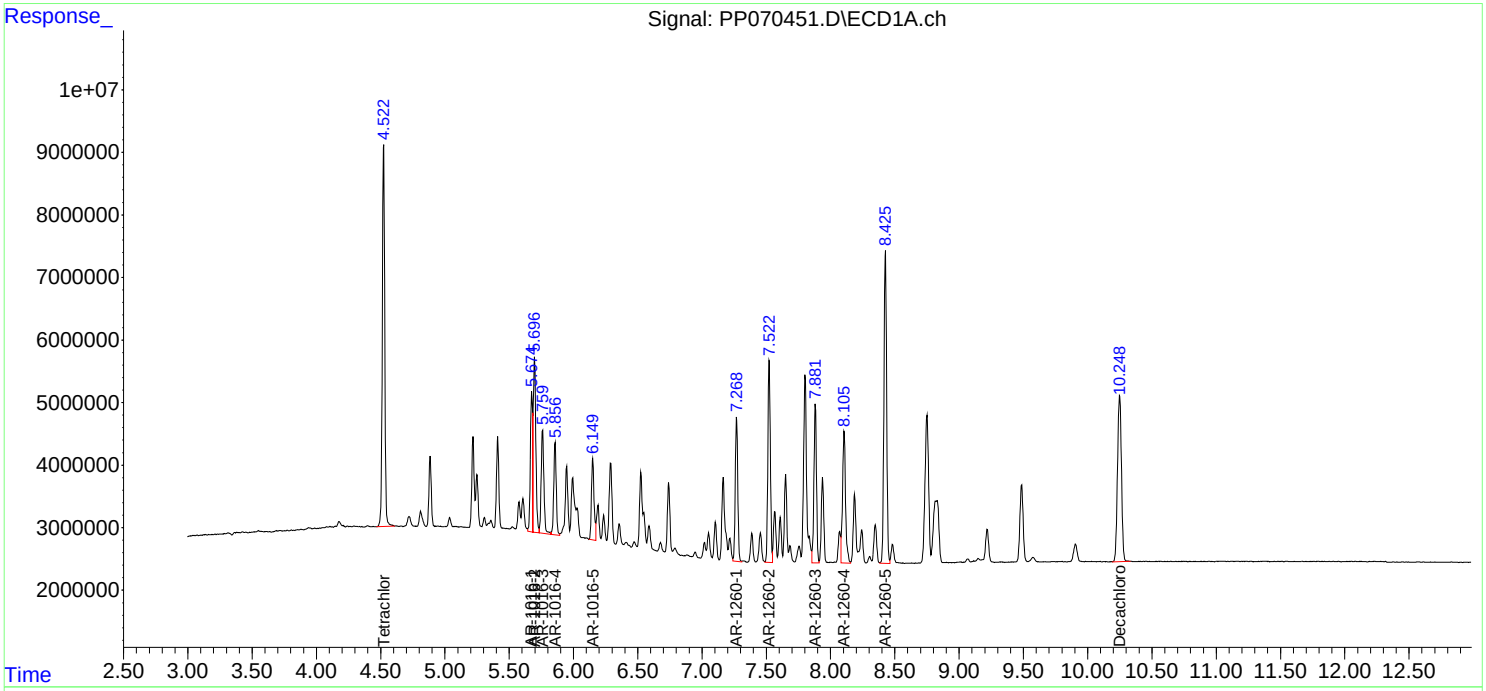
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

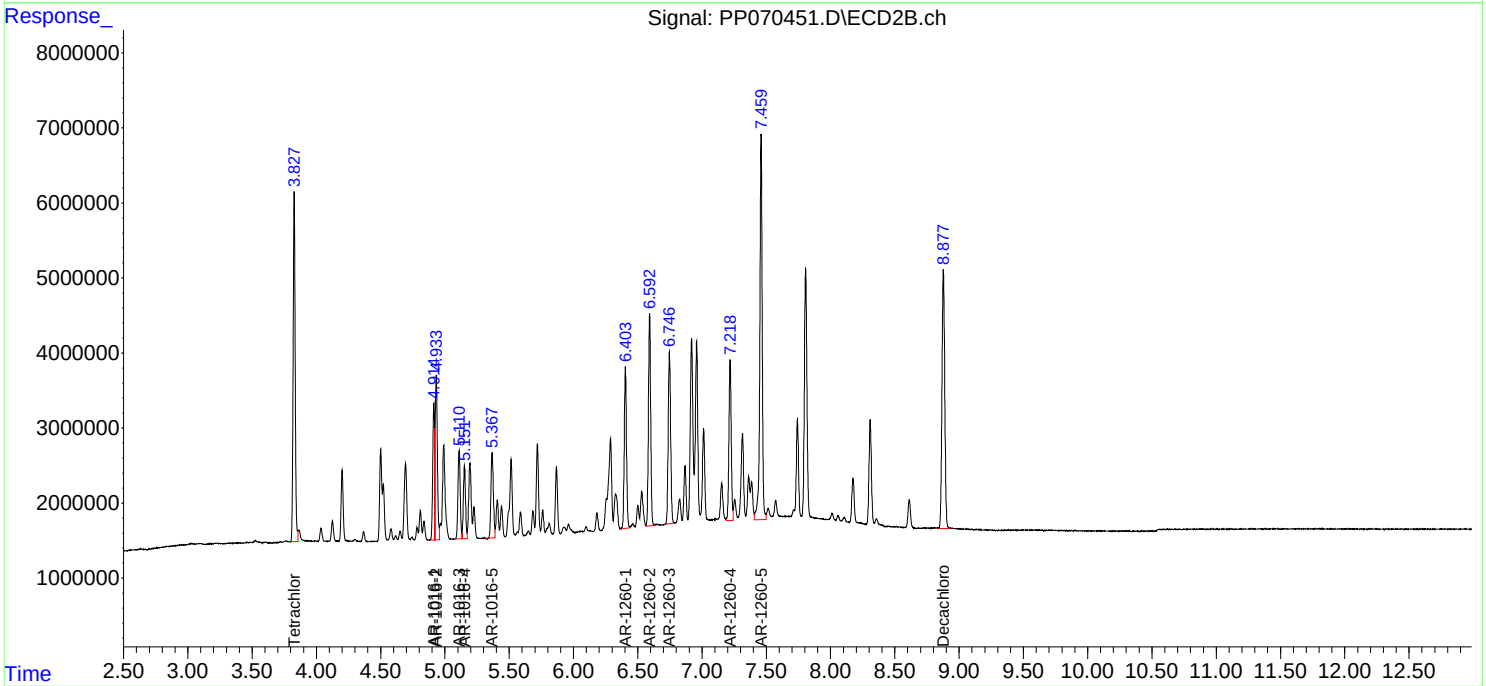
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:54
Operator : YP\AJ
Sample : PP031125ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

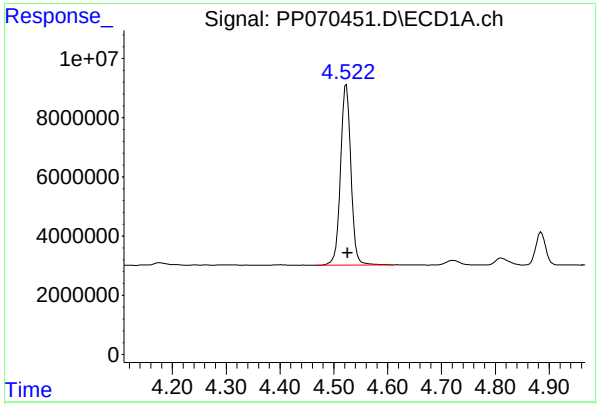
Instrument :
ECD_P
ClientSampleId :
ICVPP031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 00:06:24 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



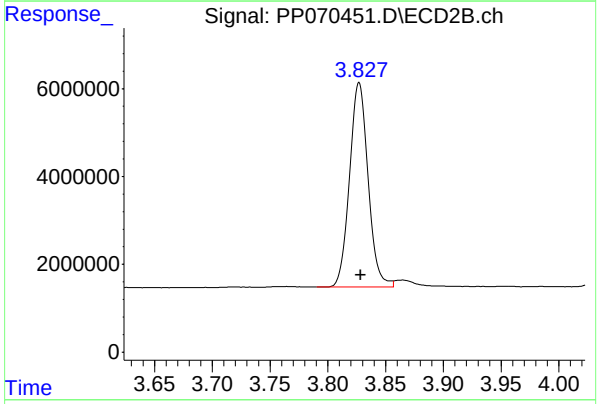




#1 Tetrachloro-m-xylene

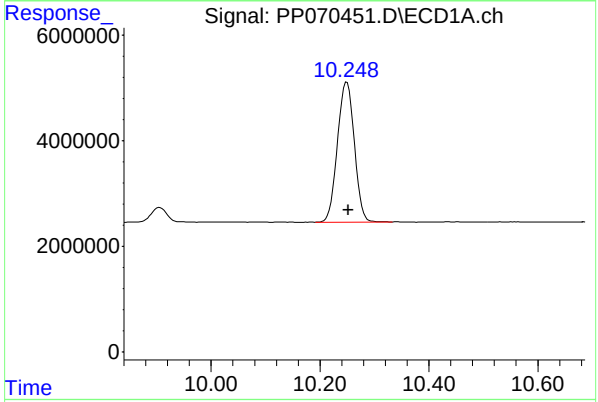
R.T.: 4.523 min
Delta R.T.: -0.003 mi
Response: 81467484
Conc: 52.38 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



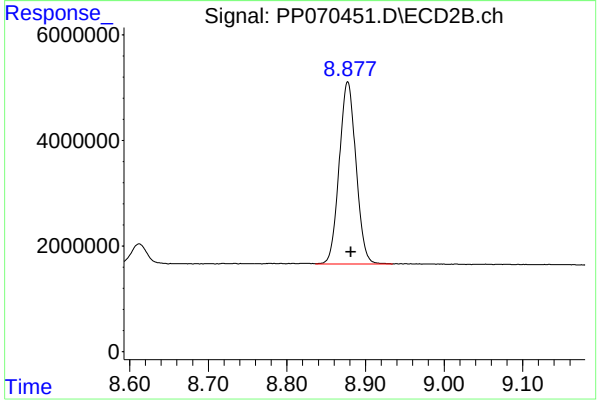
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.001 min
Response: 52091643
Conc: 51.97 ng/ml



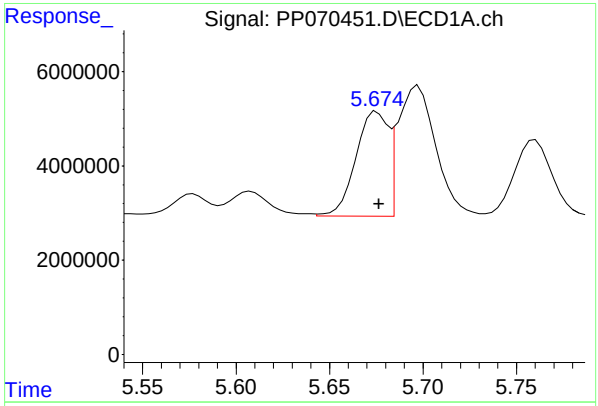
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.003 min
Response: 57030864
Conc: 53.68 ng/ml



#2 Decachlorobiphenyl

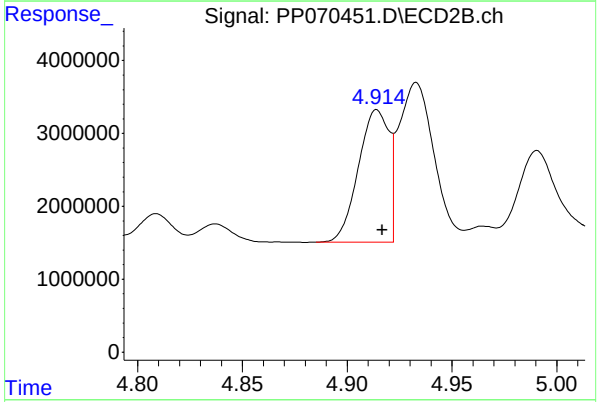
R.T.: 8.877 min
Delta R.T.: -0.004 min
Response: 51101188
Conc: 52.23 ng/ml



#3 AR-1016-1

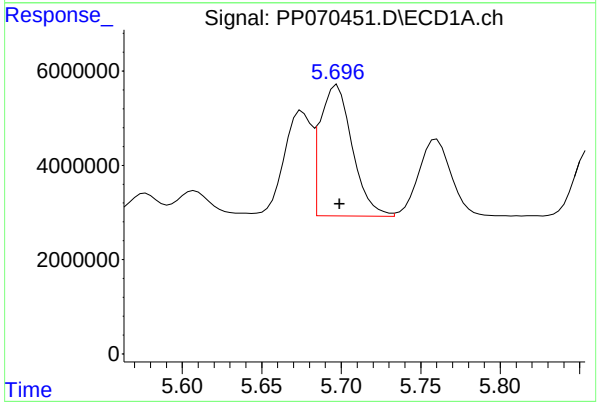
R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 26763573
Conc: 516.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



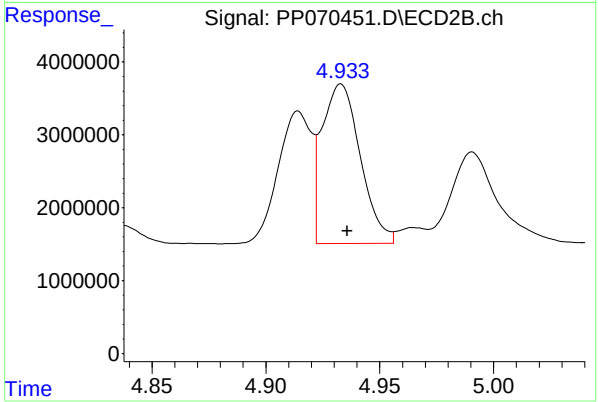
#3 AR-1016-1

R.T.: 4.914 min
Delta R.T.: -0.003 min
Response: 18466483
Conc: 513.64 ng/ml



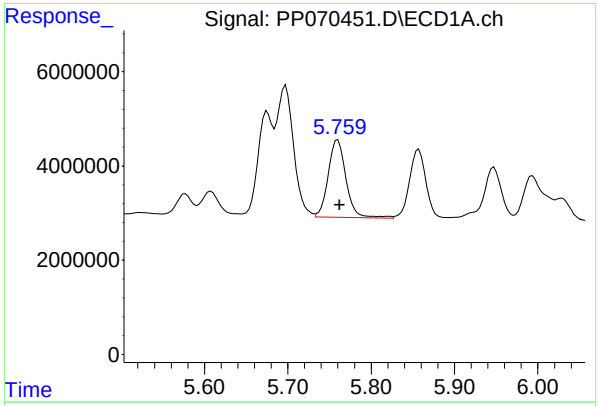
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 39150950
Conc: 547.22 ng/ml



#4 AR-1016-2

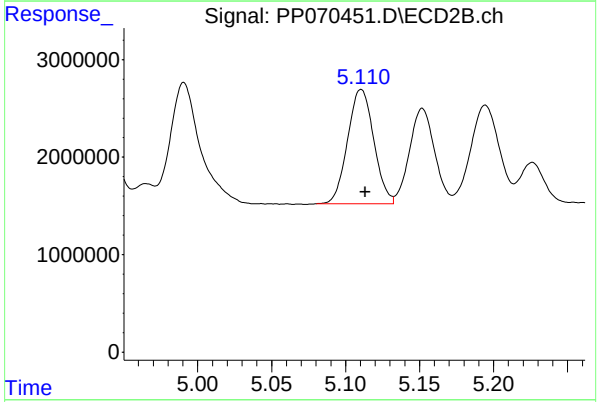
R.T.: 4.933 min
Delta R.T.: -0.003 min
Response: 25663697
Conc: 493.85 ng/ml



#5 AR-1016-3

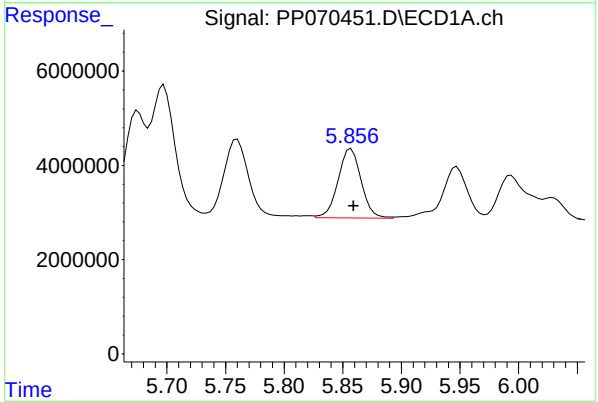
R.T.: 5.760 min
Delta R.T.: -0.002 mi
Response: 24376753
Conc: 535.31 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



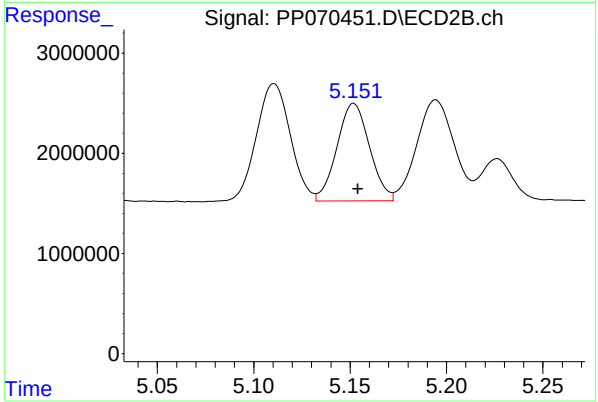
#5 AR-1016-3

R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 14439904
Conc: 507.49 ng/ml



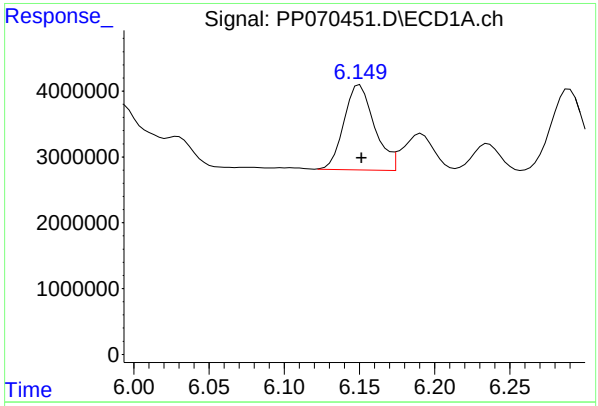
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 20068166
Conc: 514.07 ng/ml



#6 AR-1016-4

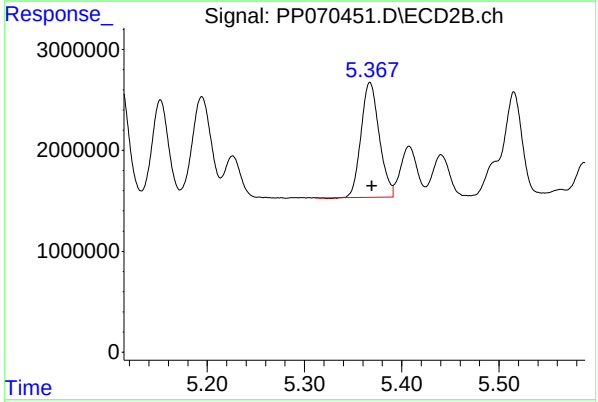
R.T.: 5.152 min
Delta R.T.: -0.002 min
Response: 11515792
Conc: 514.33 ng/ml



#7 AR-1016-5

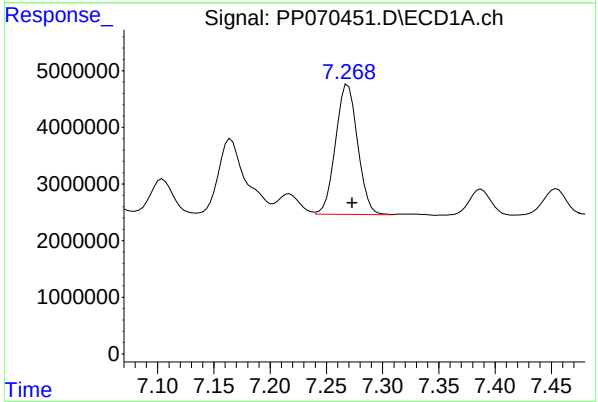
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 18221356
Conc: 526.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



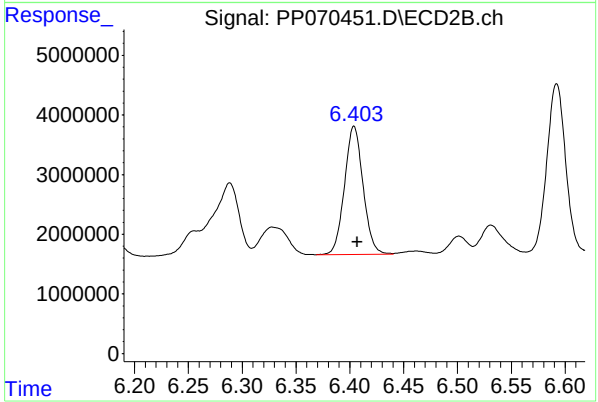
#7 AR-1016-5

R.T.: 5.367 min
Delta R.T.: -0.002 min
Response: 14760415
Conc: 496.67 ng/ml



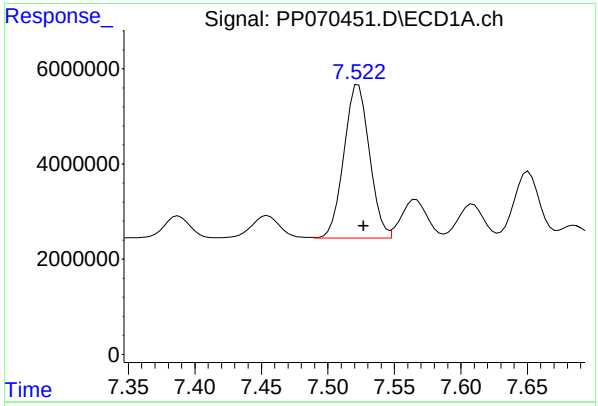
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.004 min
Response: 31459138
Conc: 535.58 ng/ml



#31 AR-1260-1

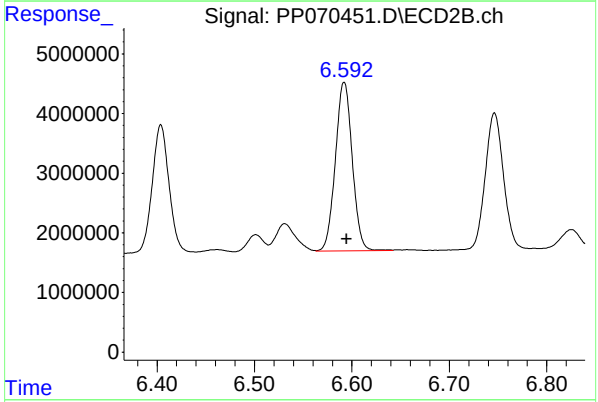
R.T.: 6.404 min
Delta R.T.: -0.003 min
Response: 25772586
Conc: 517.68 ng/ml



#32 AR-1260-2

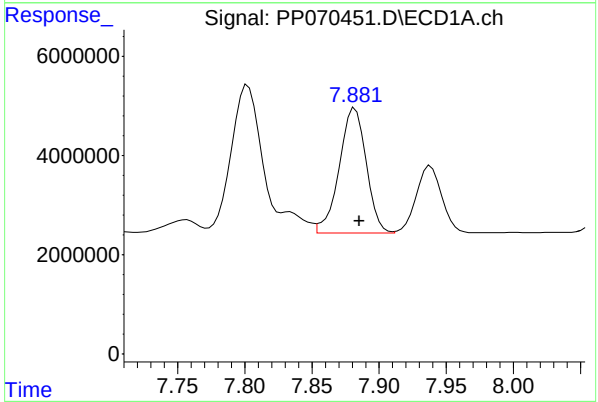
R.T.: 7.523 min
Delta R.T.: -0.004 min
Response: 43093099
Conc: 525.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



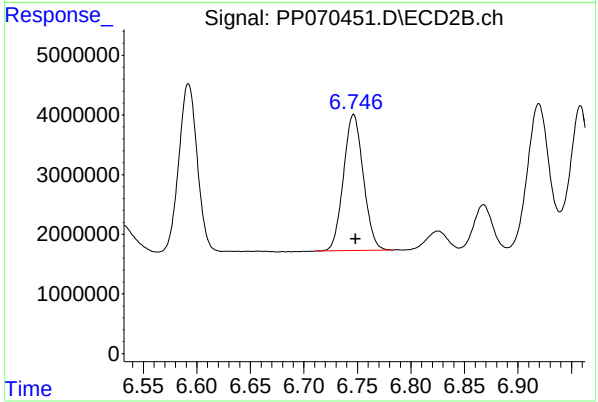
#32 AR-1260-2

R.T.: 6.592 min
Delta R.T.: -0.002 min
Response: 34068219
Conc: 515.50 ng/ml



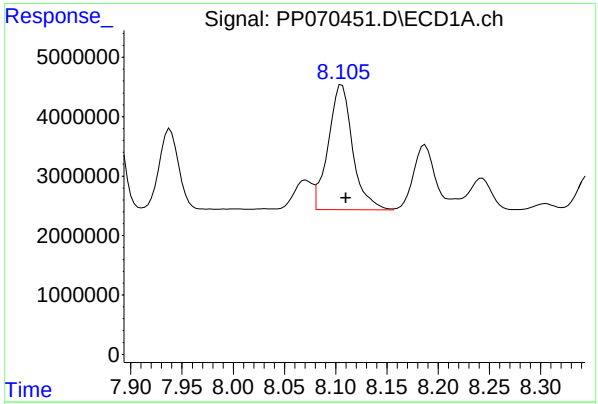
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.003 min
Response: 35379890
Conc: 538.03 ng/ml



#33 AR-1260-3

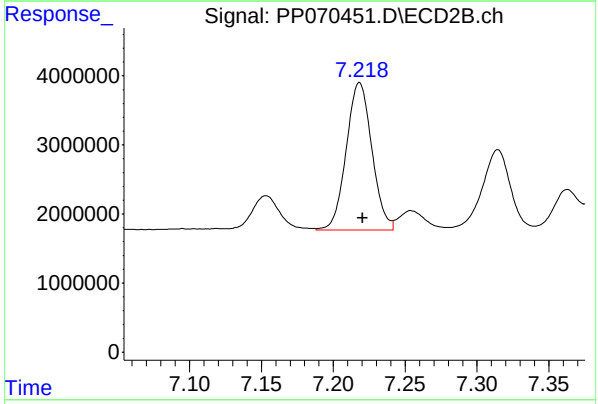
R.T.: 6.746 min
Delta R.T.: -0.002 min
Response: 29455426
Conc: 514.98 ng/ml



#34 AR-1260-4

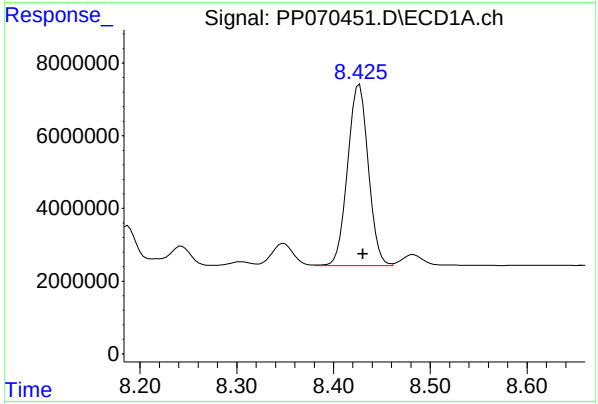
R.T.: 8.106 min
Delta R.T.: -0.004 min
Response: 34778399
Conc: 532.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



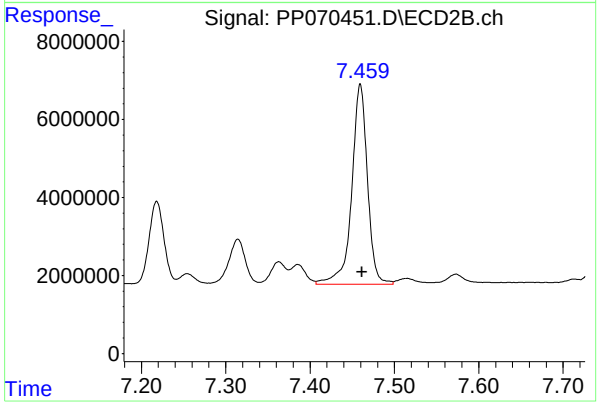
#34 AR-1260-4

R.T.: 7.218 min
Delta R.T.: -0.002 min
Response: 26486148
Conc: 517.68 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.004 min
Response: 73694362
Conc: 539.18 ng/ml



#35 AR-1260-5

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 66685007
Conc: 517.80 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:10
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 05:19:07 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...	4.525	3.828	82637423	51891496	51.851	48.744
2)	SA Decachlor...	10.250	8.879	56319561	51738897	52.291	51.344
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.202	17817484	13234008	501.090	503.008
12)	L3 AR-1232-2	5.412	4.934	9000524	12831570	533.581	497.115
13)	L3 AR-1232-3	5.698	5.112	19000238	6787601	519.562	484.519
14)	L3 AR-1232-4	5.858	5.196	9460626	5871572	498.077	501.319
15)	L3 AR-1232-5	5.948	5.368	6697975	6583987	516.729	503.825

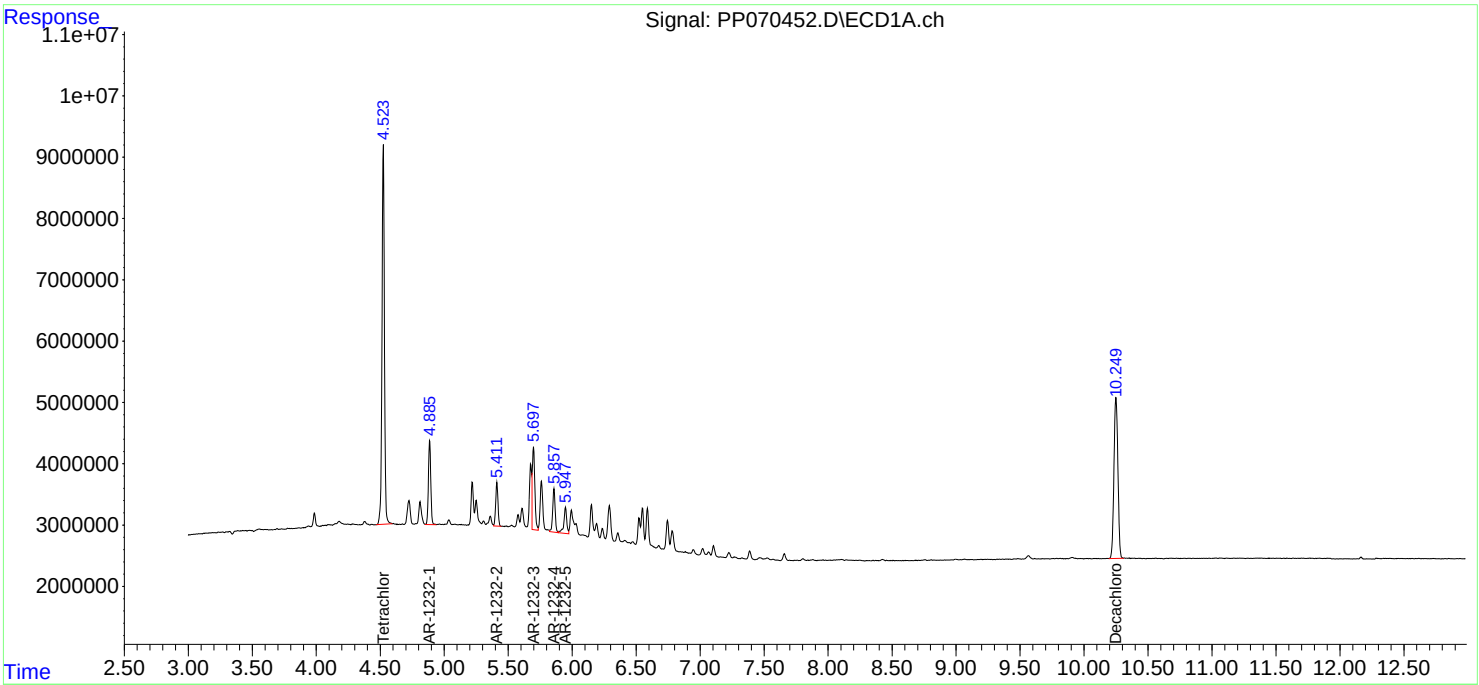
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

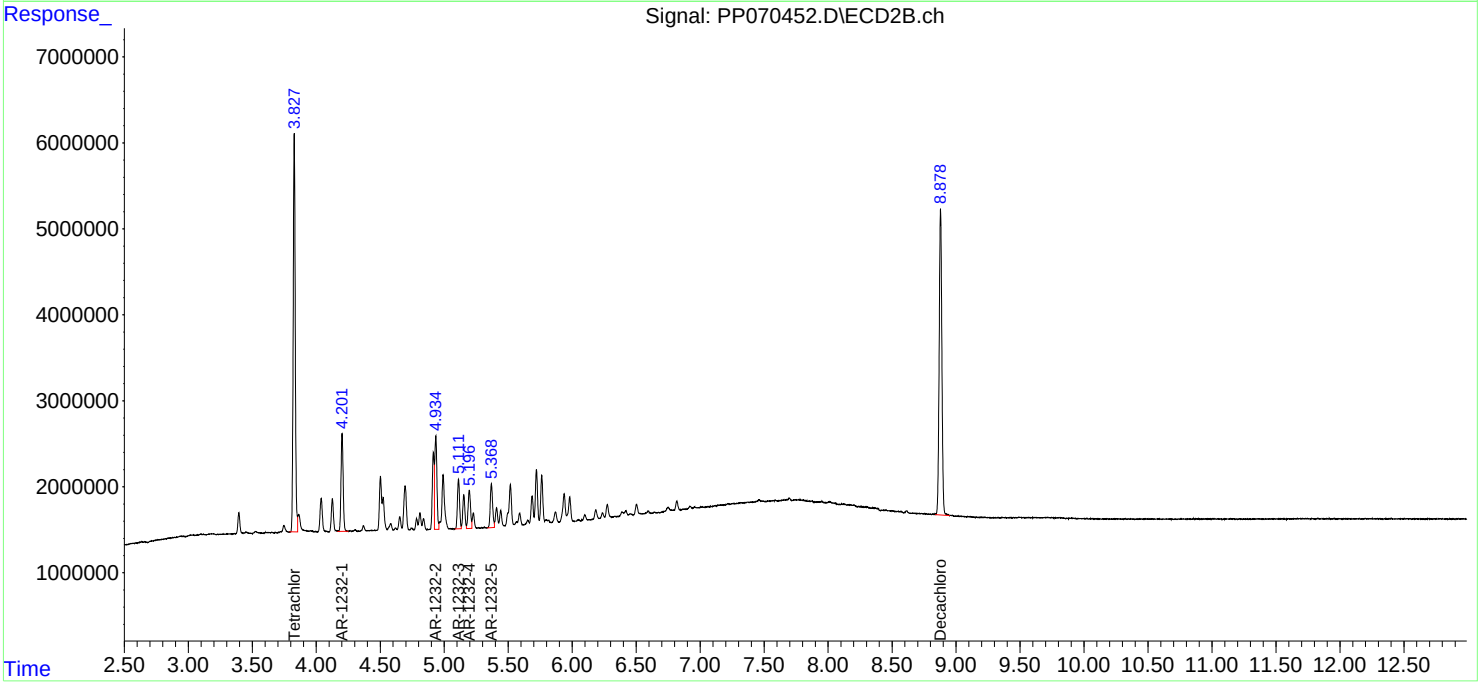
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:10
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

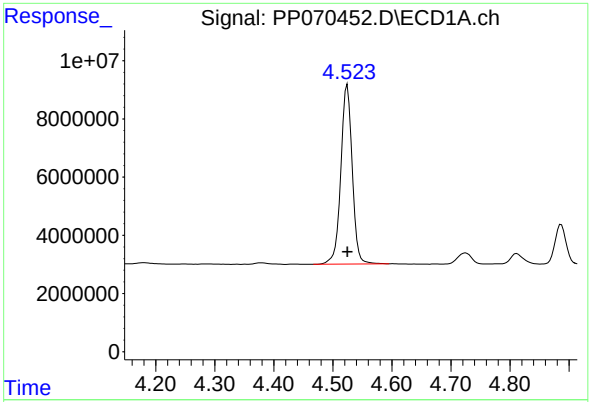
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 05:19:07 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



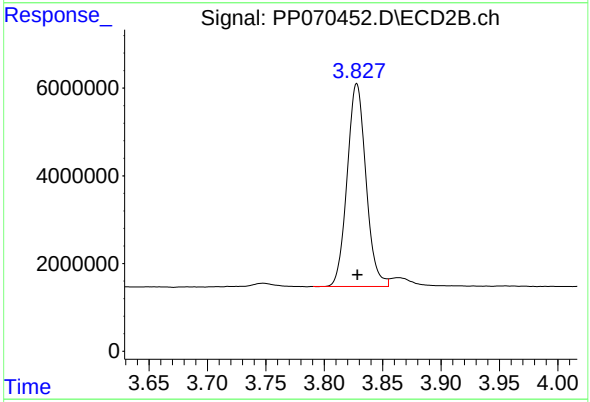




#1 Tetrachloro-m-xylene

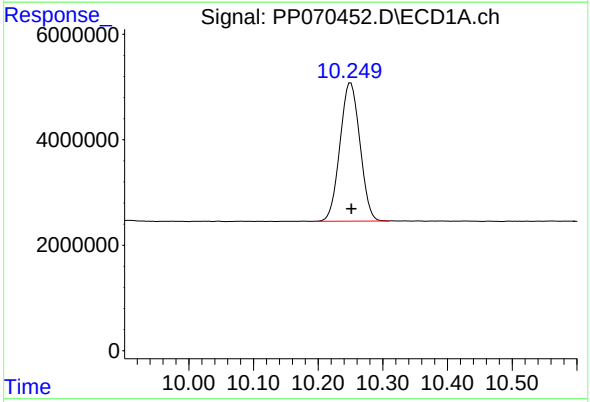
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 82637423
Conc: 51.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



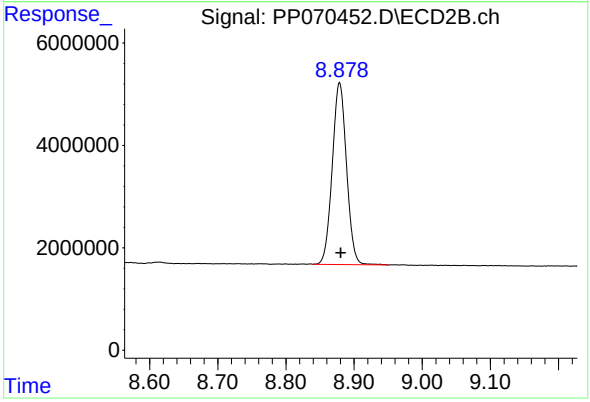
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51891496
Conc: 48.74 ng/ml



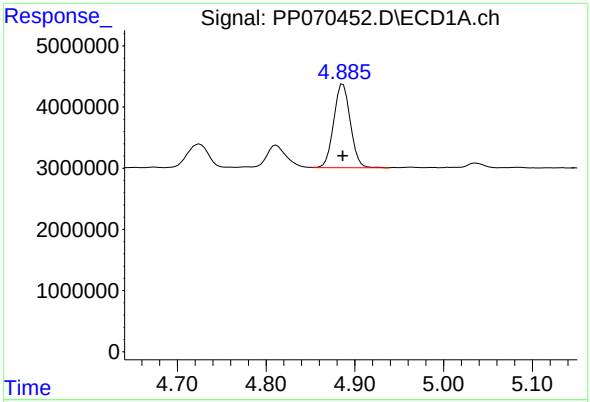
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.001 min
Response: 56319561
Conc: 52.29 ng/ml



#2 Decachlorobiphenyl

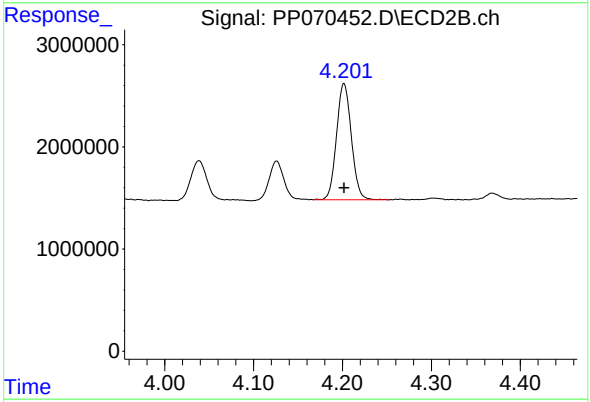
R.T.: 8.879 min
Delta R.T.: -0.002 min
Response: 51738897
Conc: 51.34 ng/ml



#11 AR-1232-1

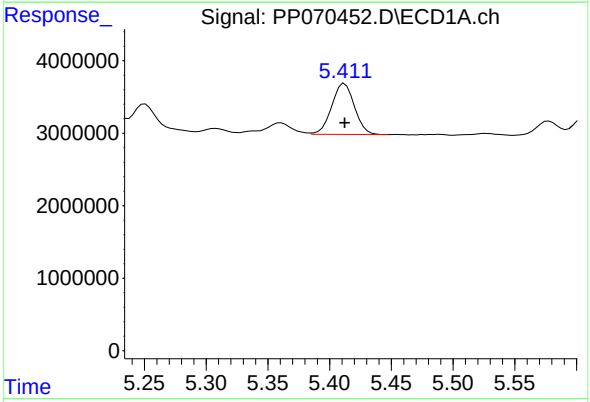
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 17817484
Conc: 501.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



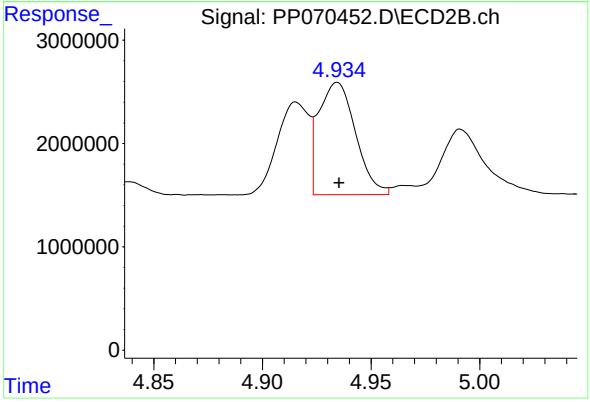
#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 13234008
Conc: 503.01 ng/ml



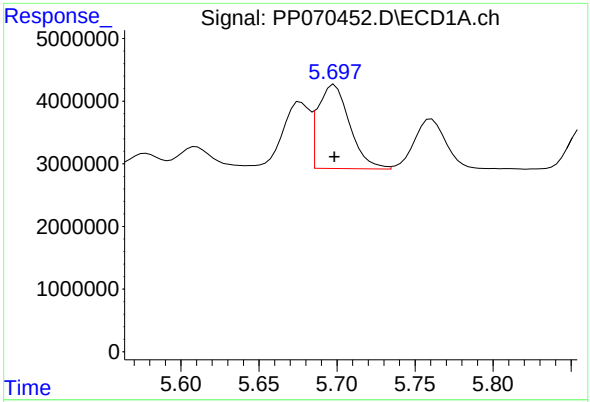
#12 AR-1232-2

R.T.: 5.412 min
Delta R.T.: 0.000 min
Response: 9000524
Conc: 533.58 ng/ml



#12 AR-1232-2

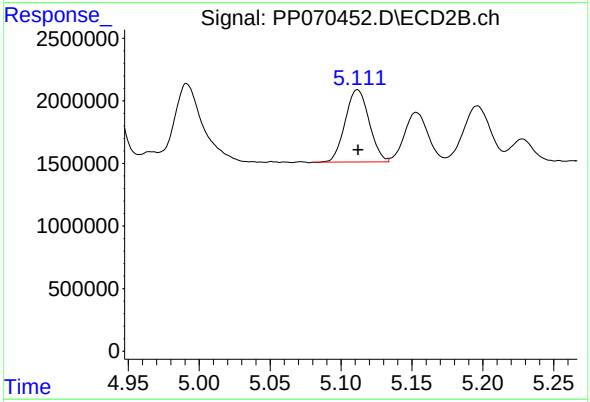
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 12831570
Conc: 497.11 ng/ml



#13 AR-1232-3

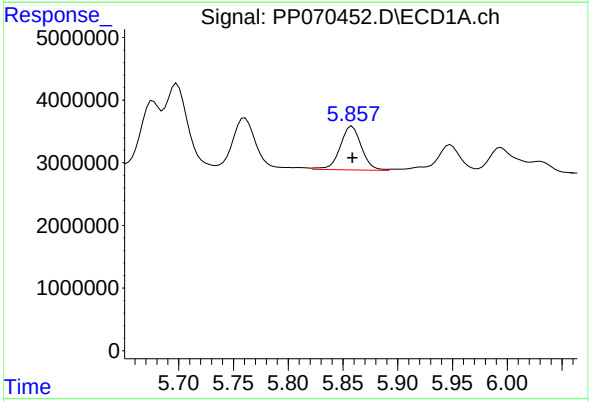
R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 19000238
Conc: 519.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



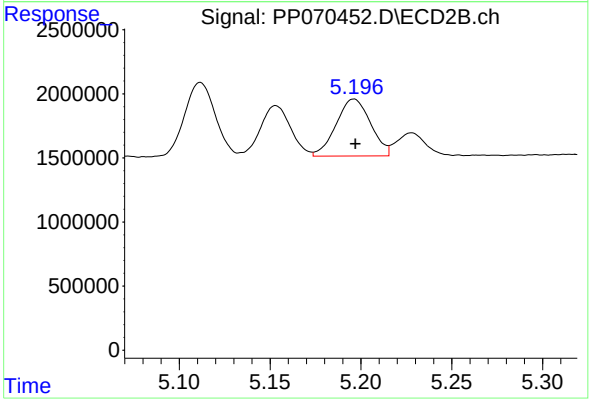
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6787601
Conc: 484.52 ng/ml



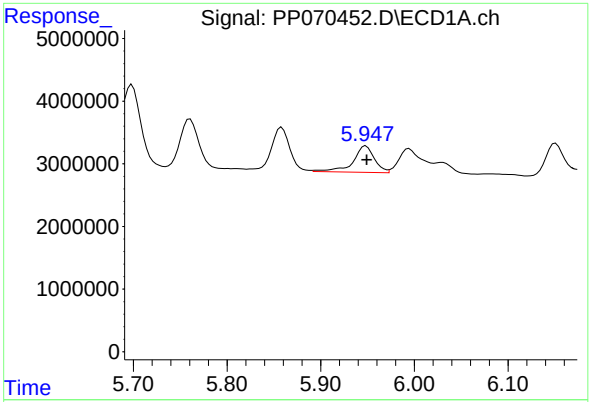
#14 AR-1232-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 9460626
Conc: 498.08 ng/ml



#14 AR-1232-4

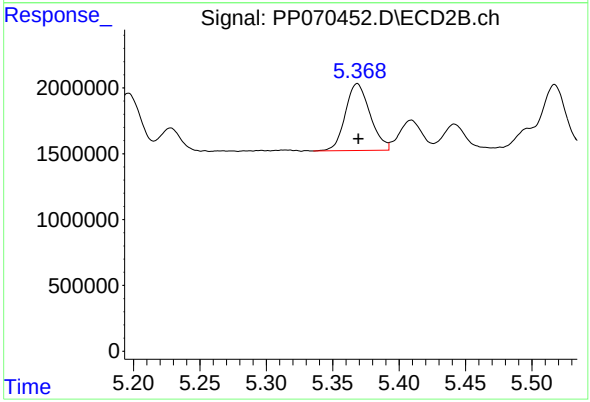
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 5871572
Conc: 501.32 ng/ml



#15 AR-1232-5

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 6697975
Conc: 516.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



#15 AR-1232-5

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 6583987
Conc: 503.83 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:27
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:28:34 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...	4.522	3.828	80900104	52039514	51.573	51.996
2)	SA Decachlor...	10.247	8.877	56432259	50213028	52.789	48.963
	Target Compounds						
16)	L4 AR-1242-1	5.673	4.914	21829875	15588752	491.127	509.246
17)	L4 AR-1242-2	5.695	4.933	32588571	21901951	530.924	502.366
18)	L4 AR-1242-3	5.758	5.111	19614357	12116039	528.672	508.387
19)	L4 AR-1242-4	5.855	5.195	16599935	11430650	516.600	518.573
20)	L4 AR-1242-5	6.586	5.720	17030676	14600485	548.536	522.919

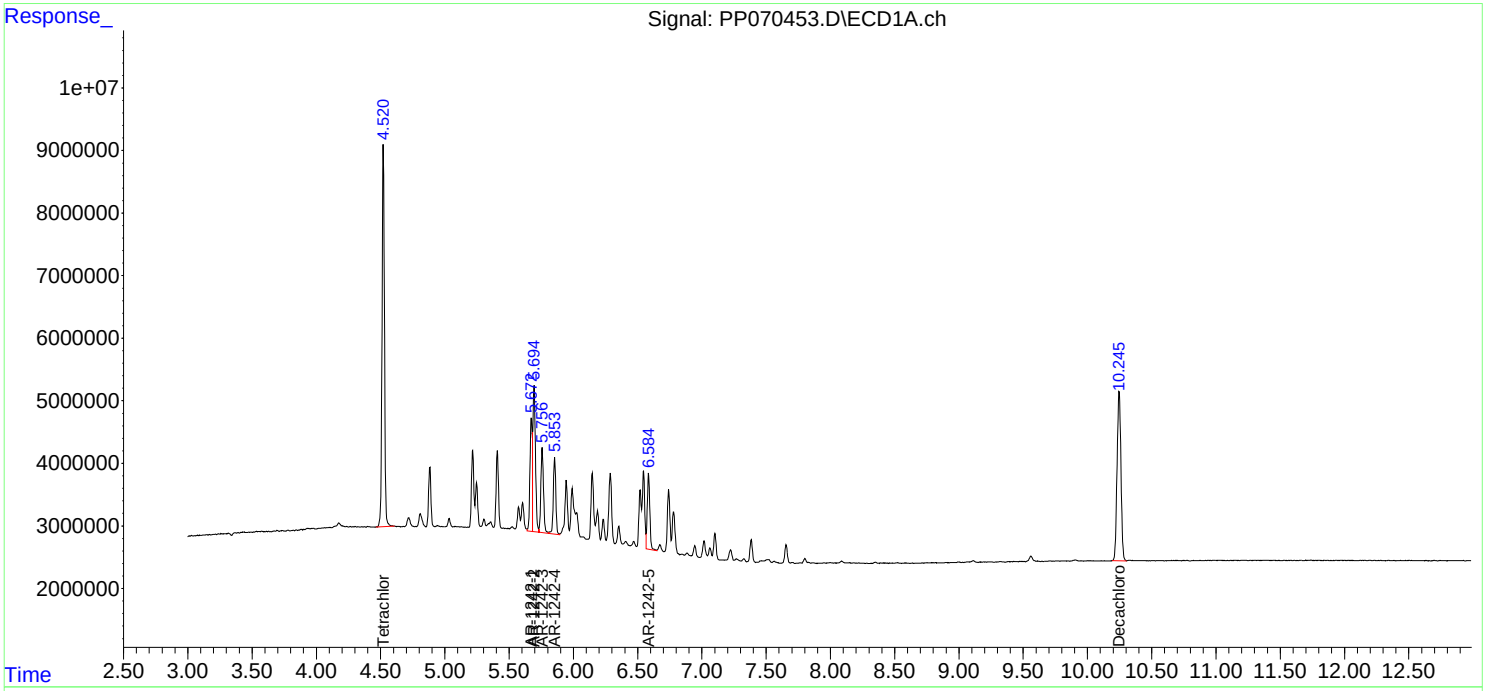
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

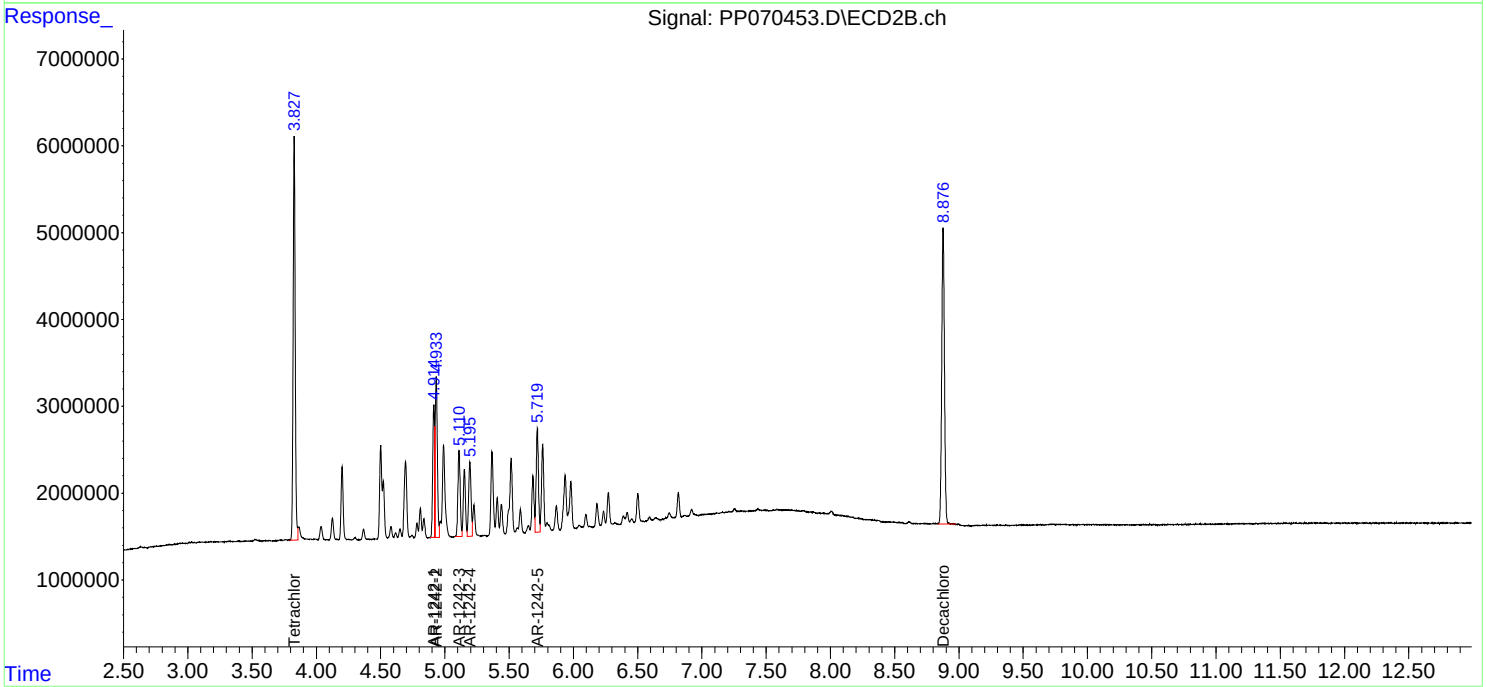
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:27
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

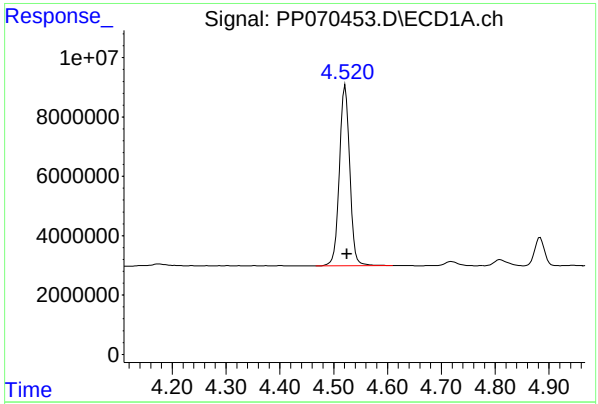
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:28:34 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



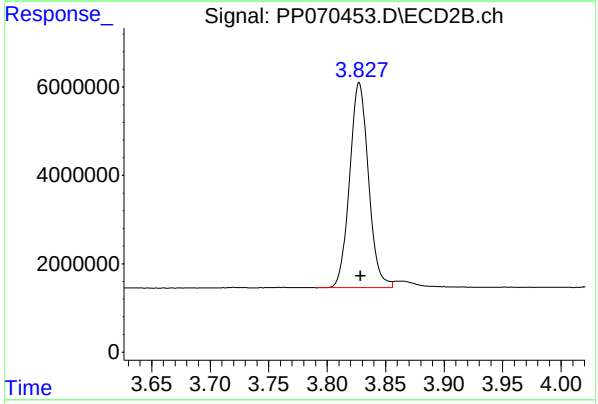




#1 Tetrachloro-m-xylene

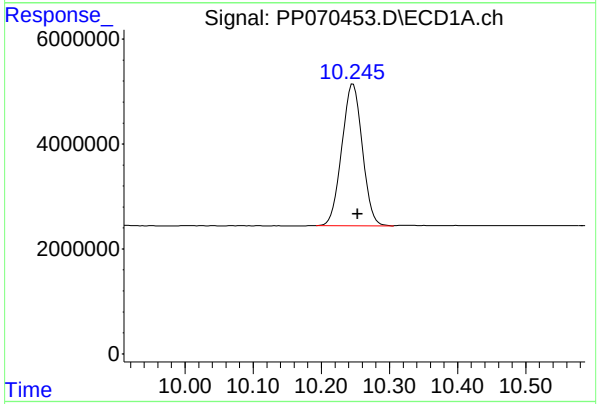
R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 80900104
Conc: 51.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



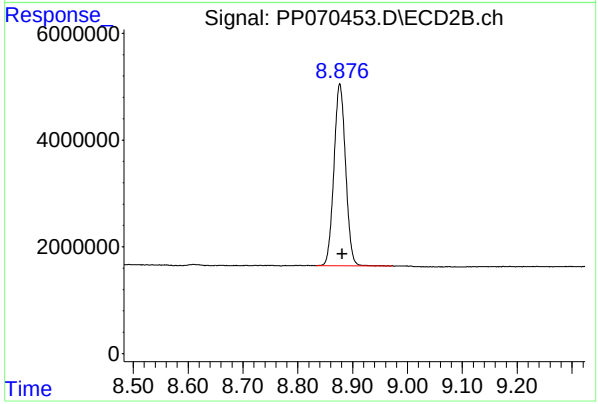
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.001 min
Response: 52039514
Conc: 52.00 ng/ml



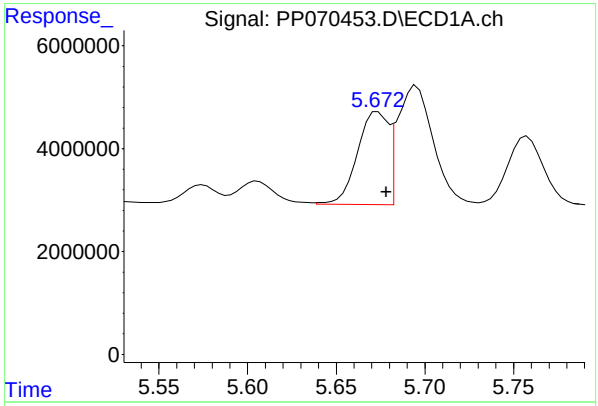
#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.007 min
Response: 56432259
Conc: 52.79 ng/ml



#2 Decachlorobiphenyl

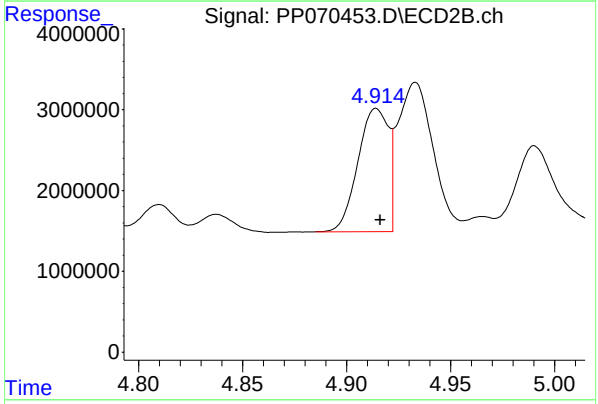
R.T.: 8.877 min
Delta R.T.: -0.004 min
Response: 50213028
Conc: 48.96 ng/ml



#16 AR-1242-1

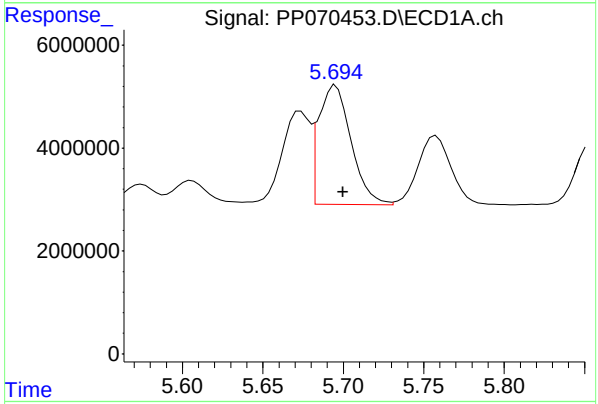
R.T.: 5.673 min
Delta R.T.: -0.005 min
Response: 21829875
Conc: 491.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



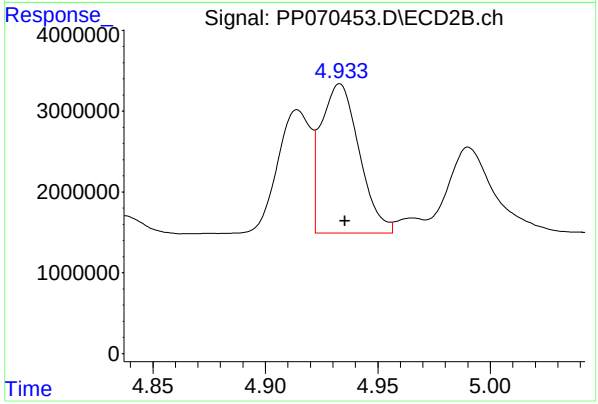
#16 AR-1242-1

R.T.: 4.914 min
Delta R.T.: -0.002 min
Response: 15588752
Conc: 509.25 ng/ml



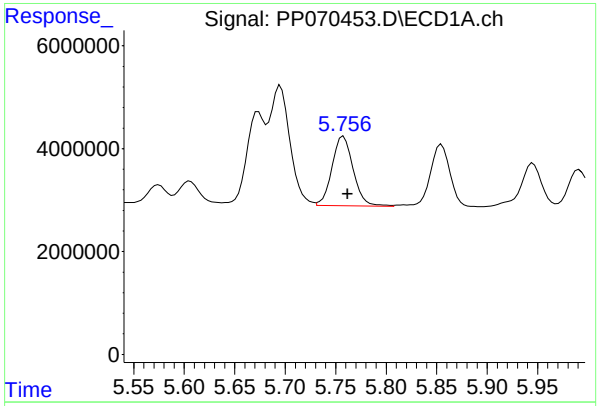
#17 AR-1242-2

R.T.: 5.695 min
Delta R.T.: -0.005 min
Response: 32588571
Conc: 530.92 ng/ml



#17 AR-1242-2

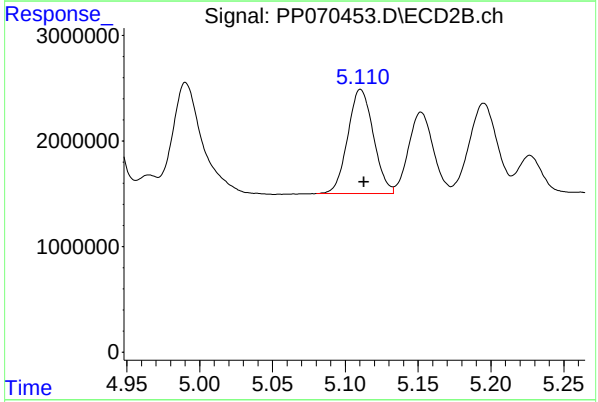
R.T.: 4.933 min
Delta R.T.: -0.002 min
Response: 21901951
Conc: 502.37 ng/ml



#18 AR-1242-3

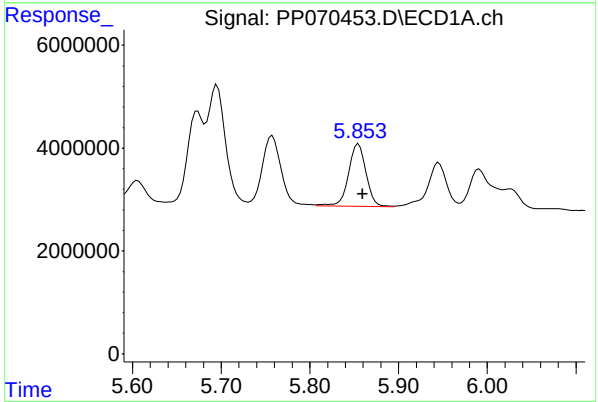
R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 19614357
Conc: 528.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



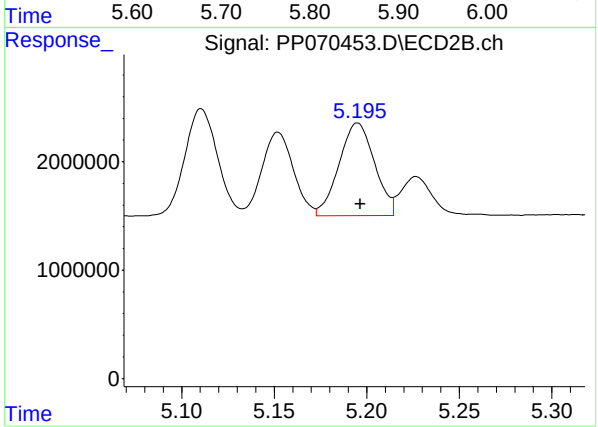
#18 AR-1242-3

R.T.: 5.111 min
Delta R.T.: -0.002 min
Response: 12116039
Conc: 508.39 ng/ml



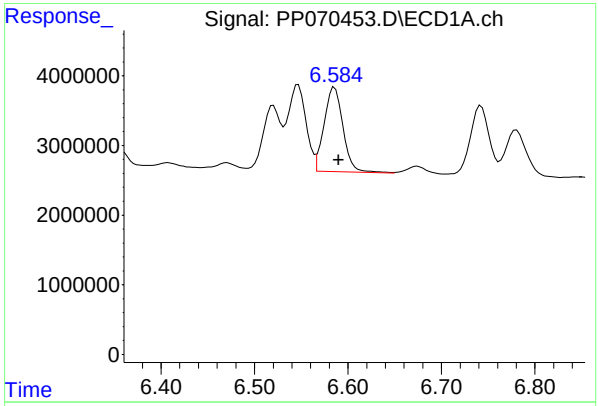
#19 AR-1242-4

R.T.: 5.855 min
Delta R.T.: -0.005 min
Response: 16599935
Conc: 516.60 ng/ml



#19 AR-1242-4

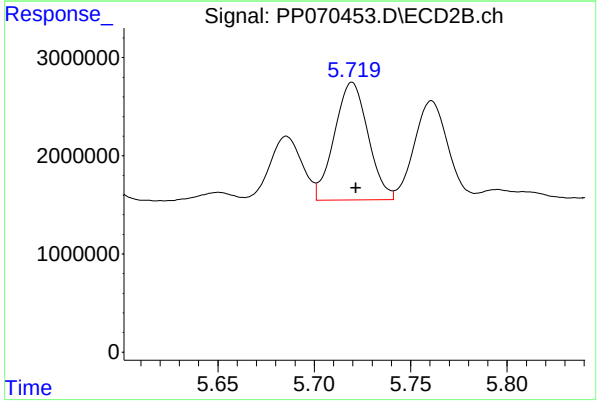
R.T.: 5.195 min
Delta R.T.: -0.001 min
Response: 11430650
Conc: 518.57 ng/ml



#20 AR-1242-5

R.T.: 6.586 min
Delta R.T.: -0.005 min
Response: 17030676
Conc: 548.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



#20 AR-1242-5

R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 14600485
Conc: 522.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:43
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:44:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:39:22 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...	4.523	3.827	80763365	51993820	51.381	50.996
2)	SA Decachlor...	10.249	8.879	57381734	53329390	53.107	53.338
	Target Compounds						
21)	L5 AR-1248-1	5.675	4.915	17366035	11930350	508.434	508.204
22)	L5 AR-1248-2	5.948	5.152	22908060	15777449	539.683	504.016
23)	L5 AR-1248-3	6.150	5.195	24248973	16449582	525.454	518.561
24)	L5 AR-1248-4	6.549	5.368	29245571	19332171	504.310	496.038
25)	L5 AR-1248-5	6.588	5.762	27662486	19099791	515.251	501.482

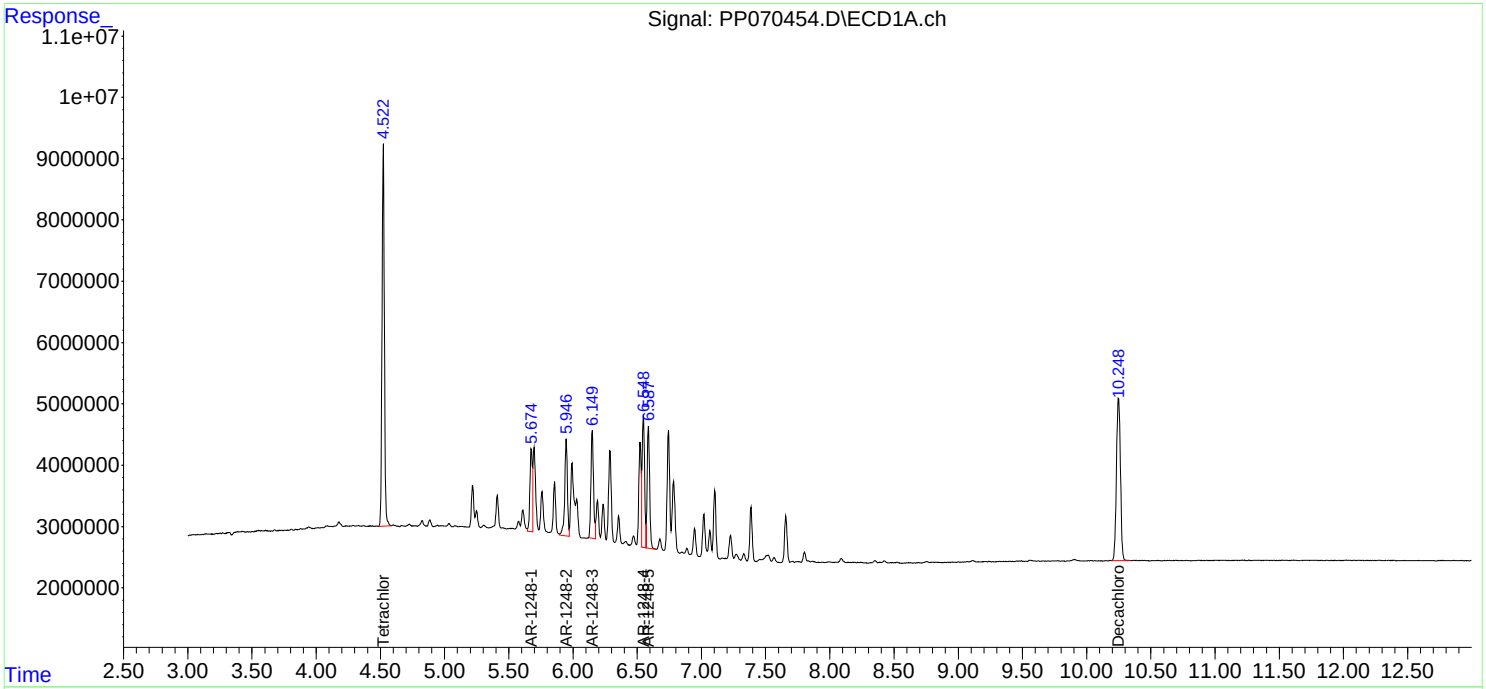
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

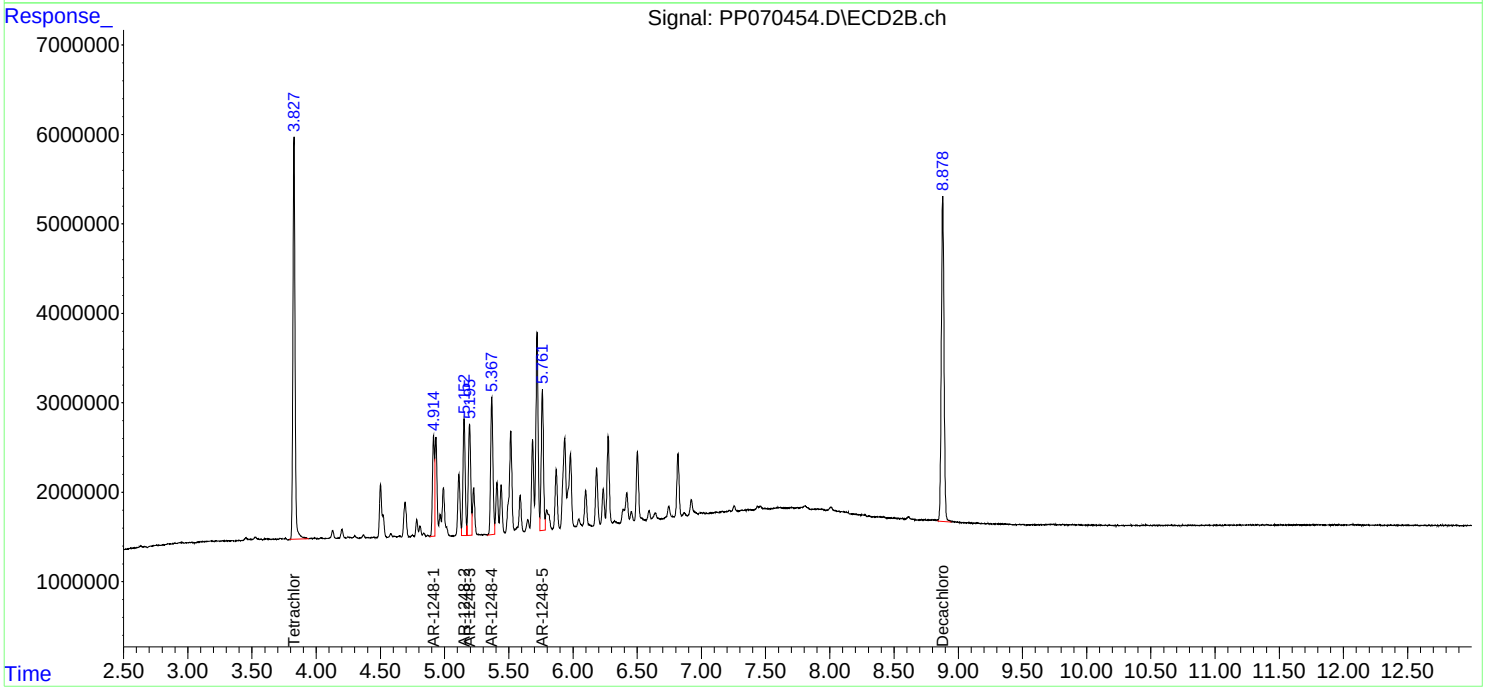
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:43
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

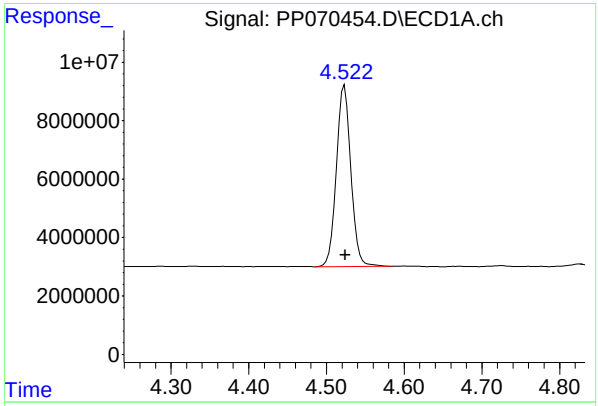
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:44:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:39:22 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



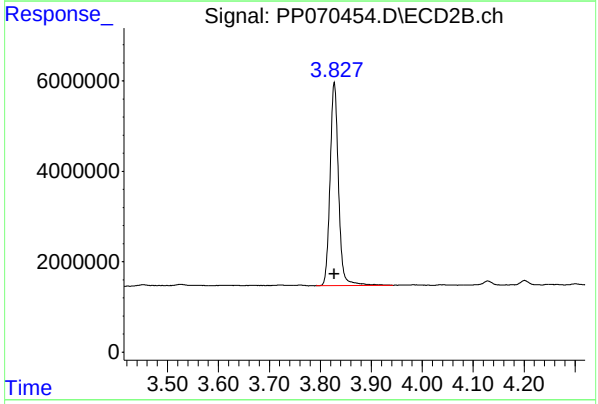




#1 Tetrachloro-m-xylene

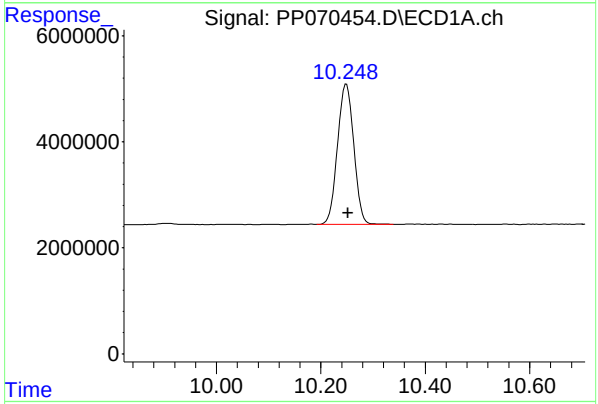
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 80763365
Conc: 51.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



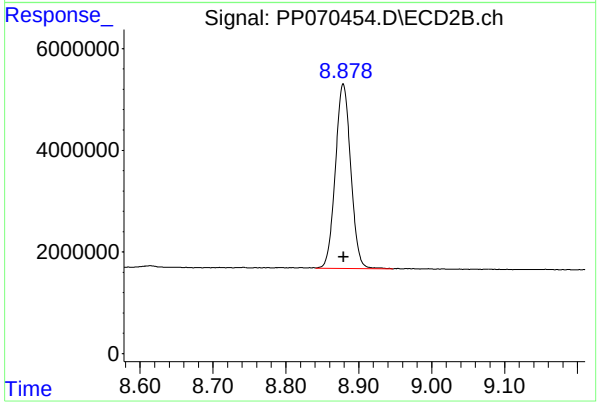
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 51993820
Conc: 51.00 ng/ml



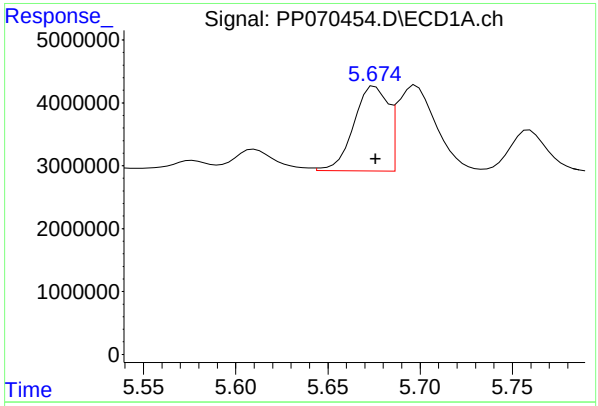
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.003 min
Response: 57381734
Conc: 53.11 ng/ml



#2 Decachlorobiphenyl

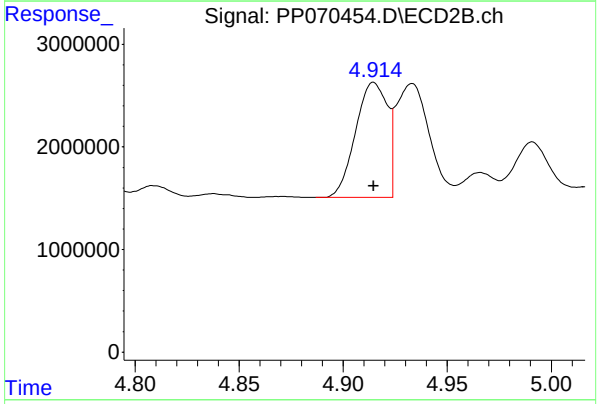
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 53329390
Conc: 53.34 ng/ml



#21 AR-1248-1

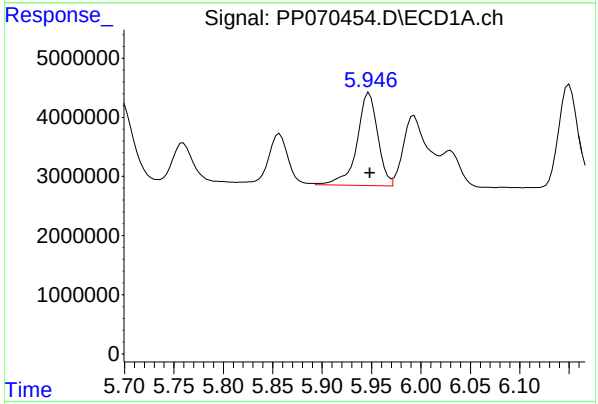
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 17366035
Conc: 508.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



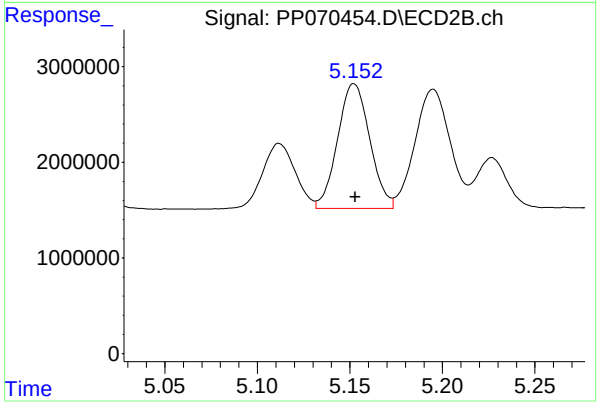
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 11930350
Conc: 508.20 ng/ml



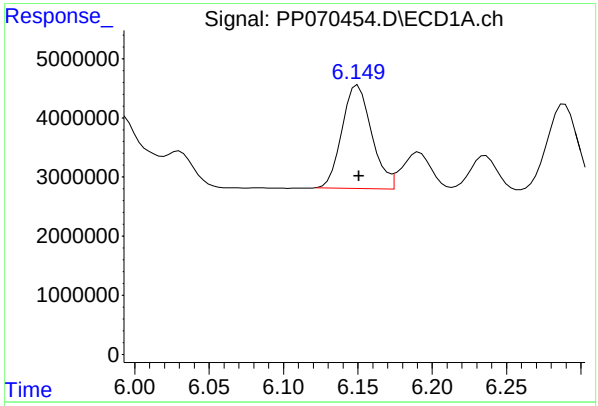
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 22908060
Conc: 539.68 ng/ml



#22 AR-1248-2

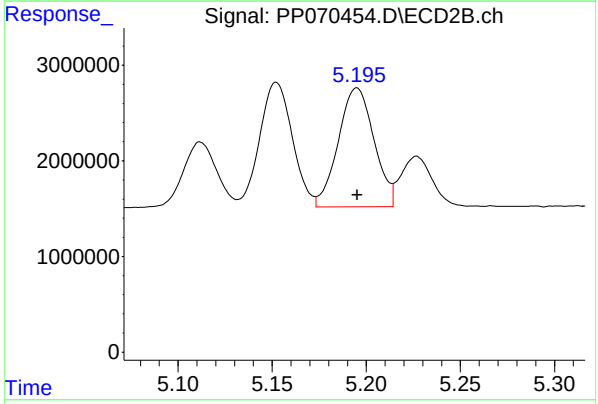
R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 15777449
Conc: 504.02 ng/ml



#23 AR-1248-3

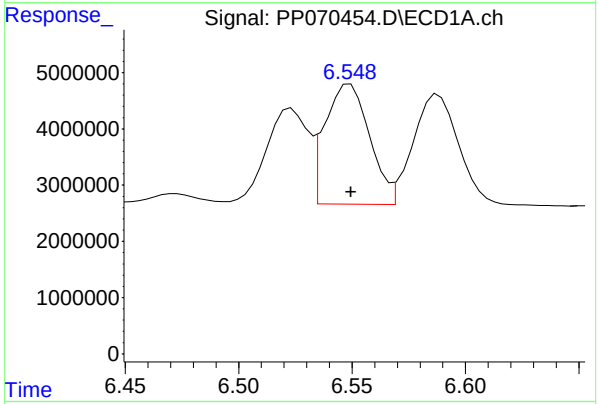
R.T.: 6.150 min
Delta R.T.: 0.000 min
Response: 24248973
Conc: 525.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



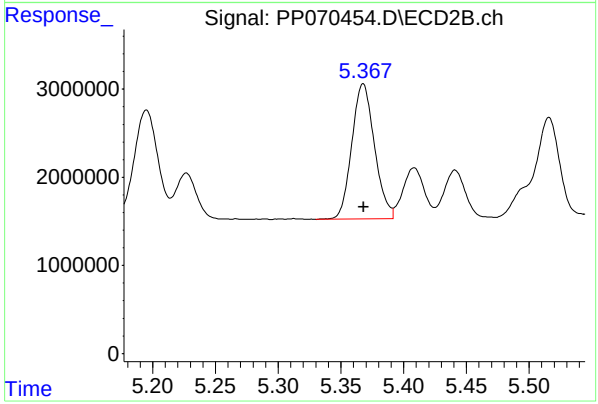
#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 16449582
Conc: 518.56 ng/ml



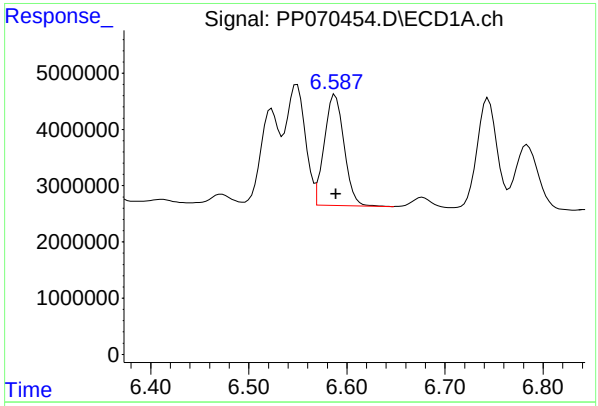
#24 AR-1248-4

R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 29245571
Conc: 504.31 ng/ml



#24 AR-1248-4

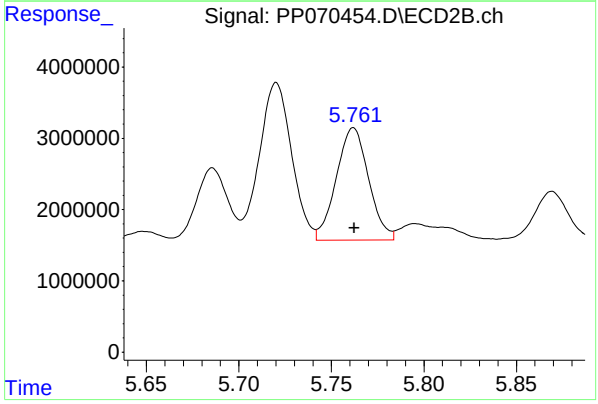
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 19332171
Conc: 496.04 ng/ml



#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 27662486
Conc: 515.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19099791
Conc: 501.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:59
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:56:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:49:19 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...	4.525	3.827	82035673	53945391	51.568	53.445
2)	SA Decachlor...	10.250	8.878	58425643	54856879	52.829	51.364
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.721	29456235	28994348	514.431	514.789
27)	L6 AR-1254-2	6.743	5.869	42978463	24997724	530.257	511.133
28)	L6 AR-1254-3	7.106	6.274	43763209	38958184	519.927	516.564
29)	L6 AR-1254-4	7.389	6.502	36692419	27576382	523.152	522.756
30)	L6 AR-1254-5	7.805	6.921	36360967	35678139	520.504	516.666

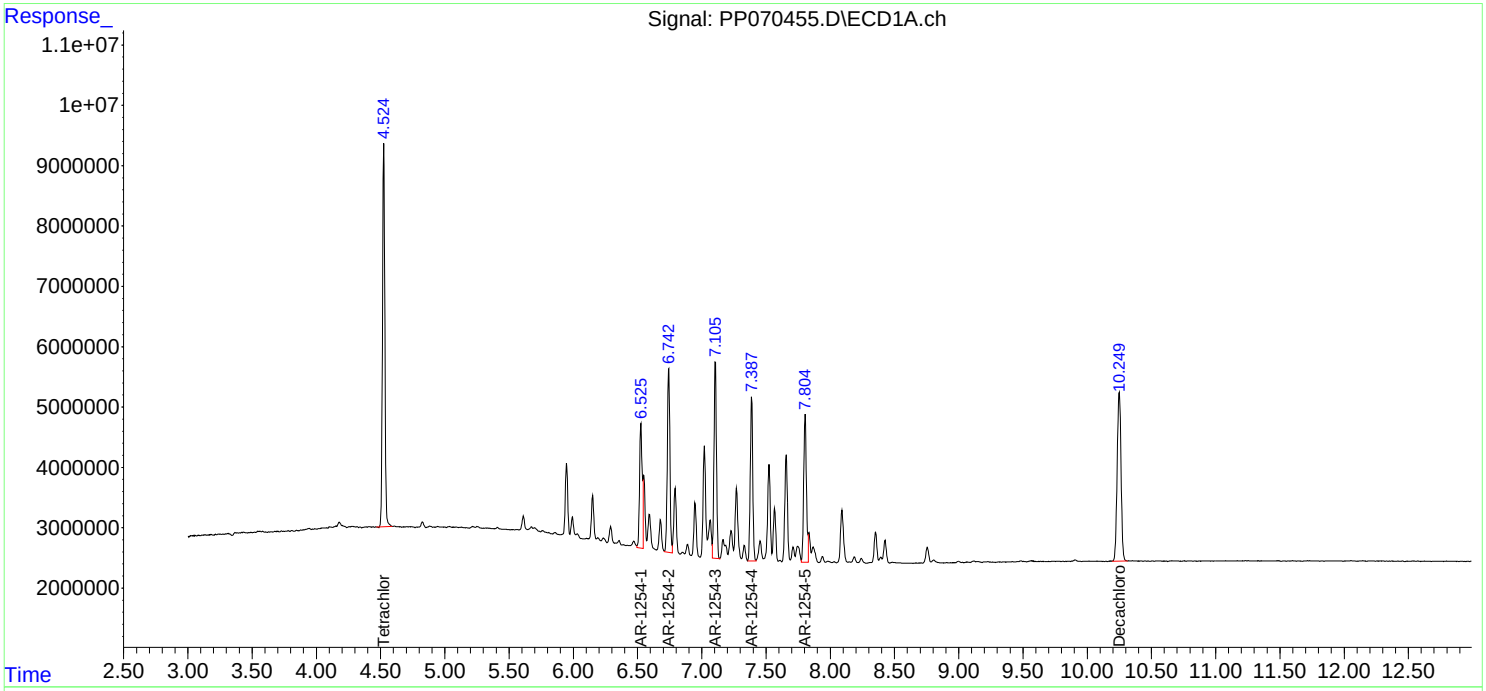
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

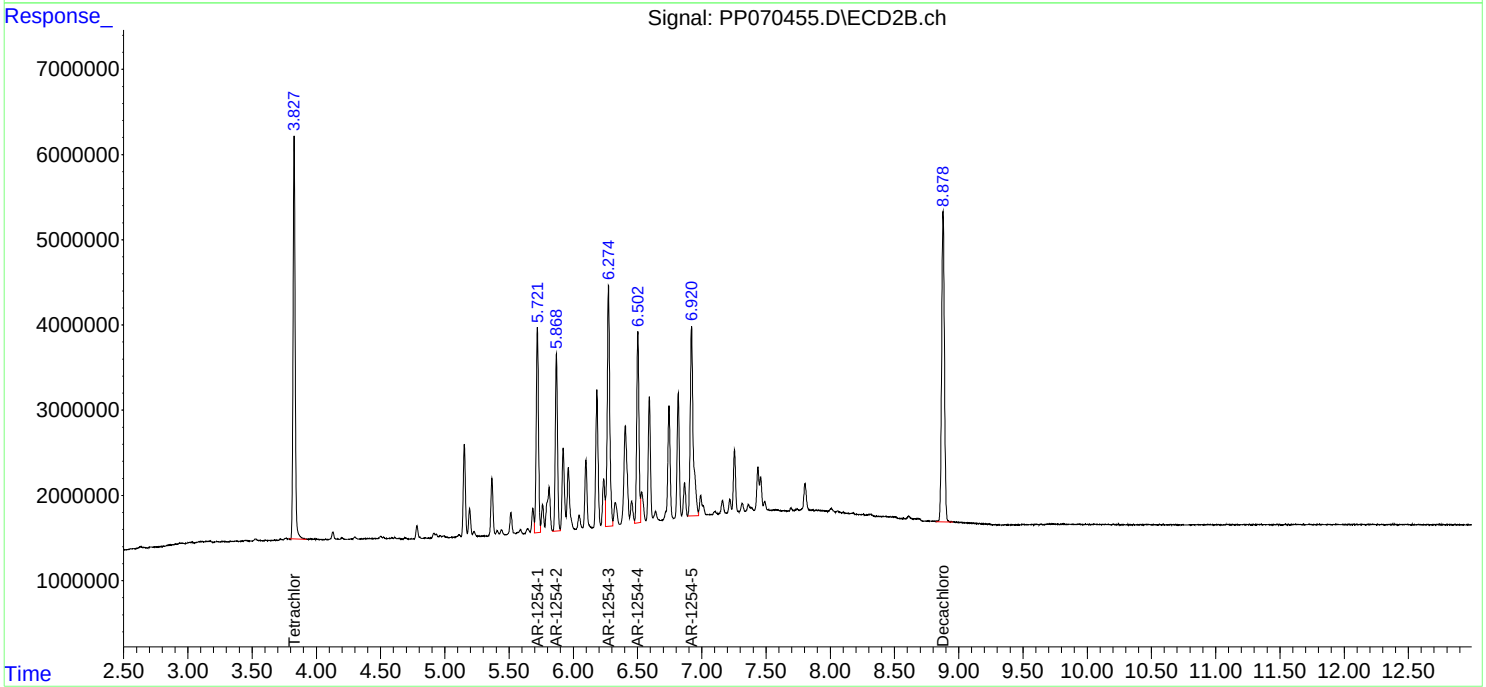
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:59
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

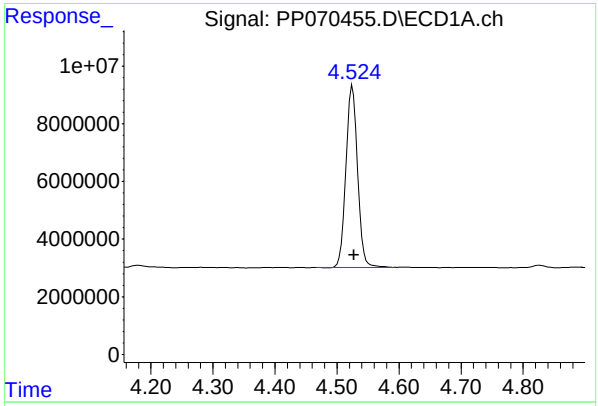
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:56:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:49:19 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



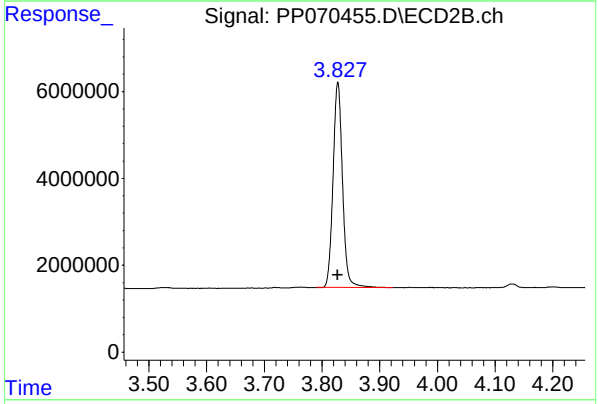




#1 Tetrachloro-m-xylene

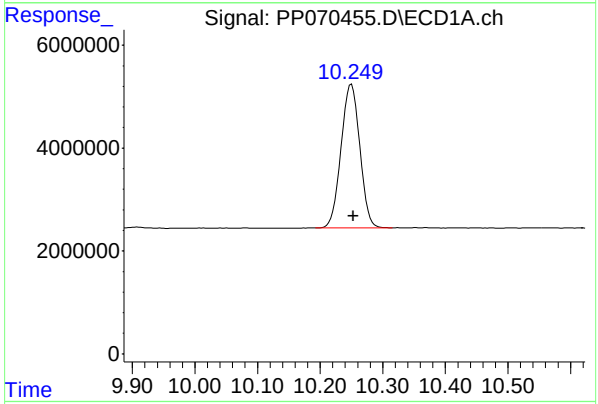
R.T.: 4.525 min
Delta R.T.: -0.002 mi
Response: 82035673
Conc: 51.57 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



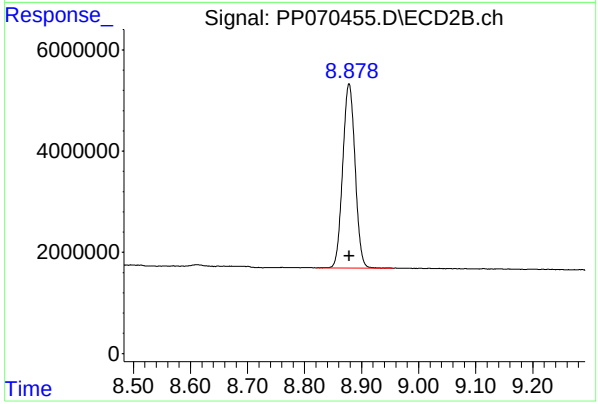
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 53945391
Conc: 53.45 ng/ml



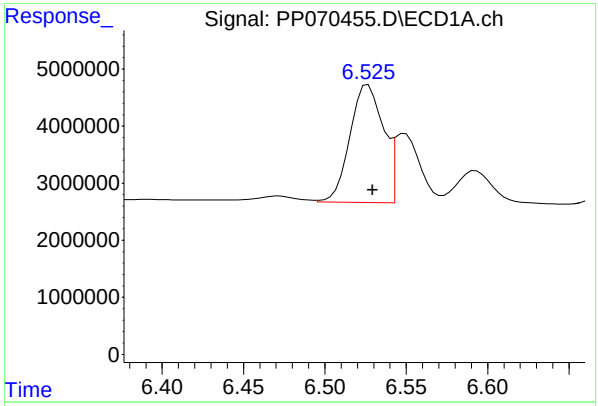
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.003 min
Response: 58425643
Conc: 52.83 ng/ml



#2 Decachlorobiphenyl

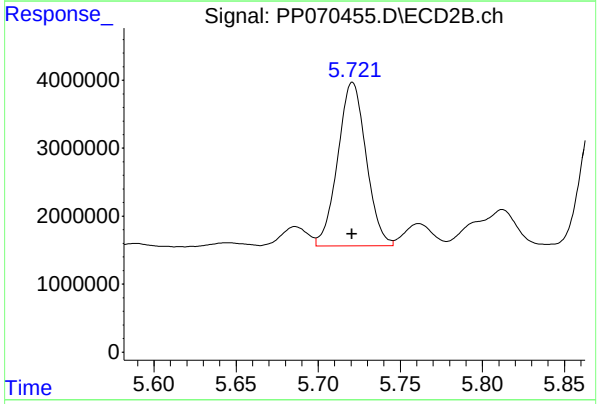
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 54856879
Conc: 51.36 ng/ml



#26 AR-1254-1

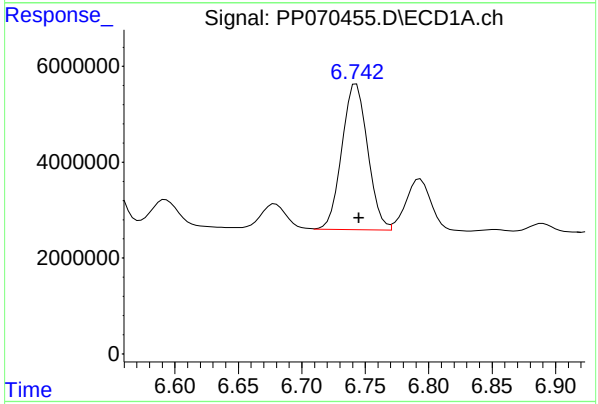
R.T.: 6.527 min
Delta R.T.: -0.003 min
Response: 29456235
Conc: 514.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



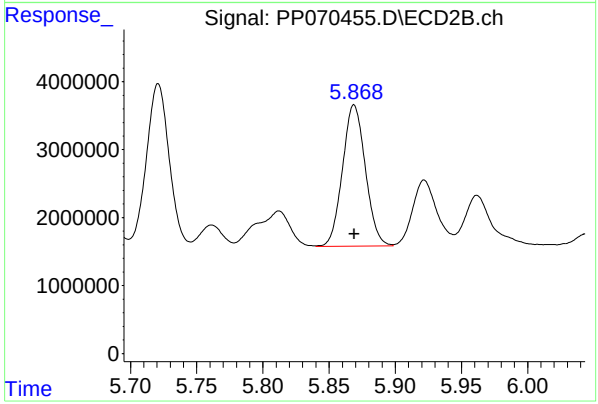
#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 28994348
Conc: 514.79 ng/ml



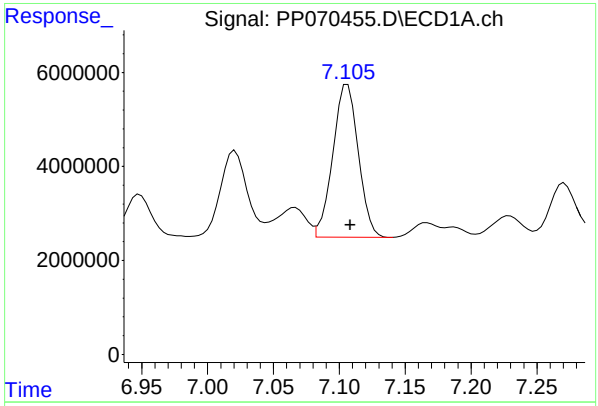
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 42978463
Conc: 530.26 ng/ml



#27 AR-1254-2

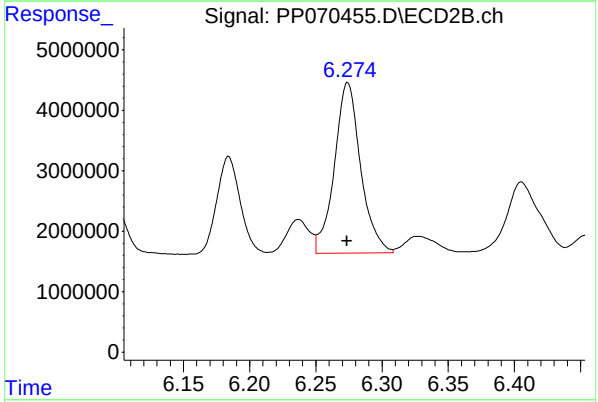
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 24997724
Conc: 511.13 ng/ml



#28 AR-1254-3

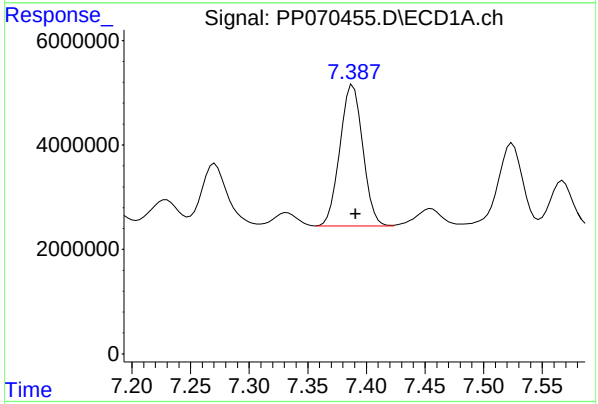
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 43763209
Conc: 519.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



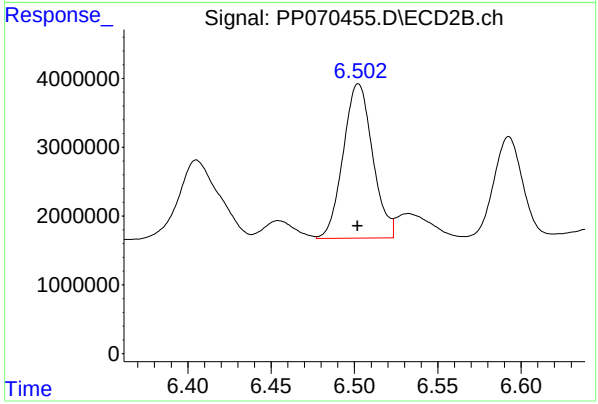
#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 38958184
Conc: 516.56 ng/ml



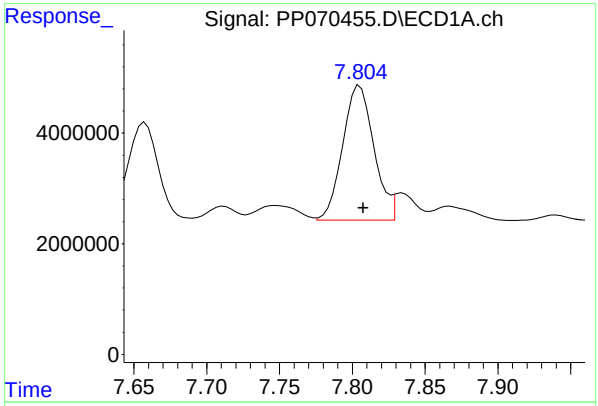
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.002 min
Response: 36692419
Conc: 523.15 ng/ml



#29 AR-1254-4

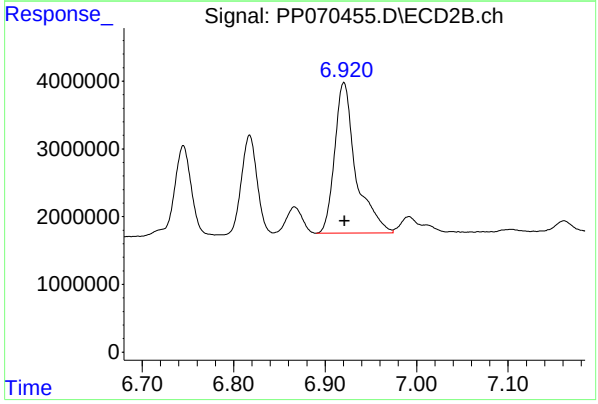
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 27576382
Conc: 522.76 ng/ml



#30 AR-1254-5

R.T.: 7.805 min
Delta R.T.: -0.003 mi
Response: 36360967
Conc: 520.50 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 35678139
Conc: 516.67 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 01:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:57:27 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...	4.525	3.826	82956019	55353504	50.459	50.190
2)	SA Decachlor...	10.250	8.877	97699870	88842686	50.660	50.991
	Target Compounds						
41)	L9 AR-1268-1	8.742	7.742	101.7E6	89726484	504.572	501.133
42)	L9 AR-1268-2	8.836	7.807	87505543	76005918	505.203	507.239
43)	L9 AR-1268-3	9.069	8.013	75570485	65882951	504.356	508.496
44)	L9 AR-1268-4	9.489	8.308	33480982	28268151	505.930	497.593
45)	L9 AR-1268-5	9.907	8.612	213.6E6	191.8E6	504.629	506.856

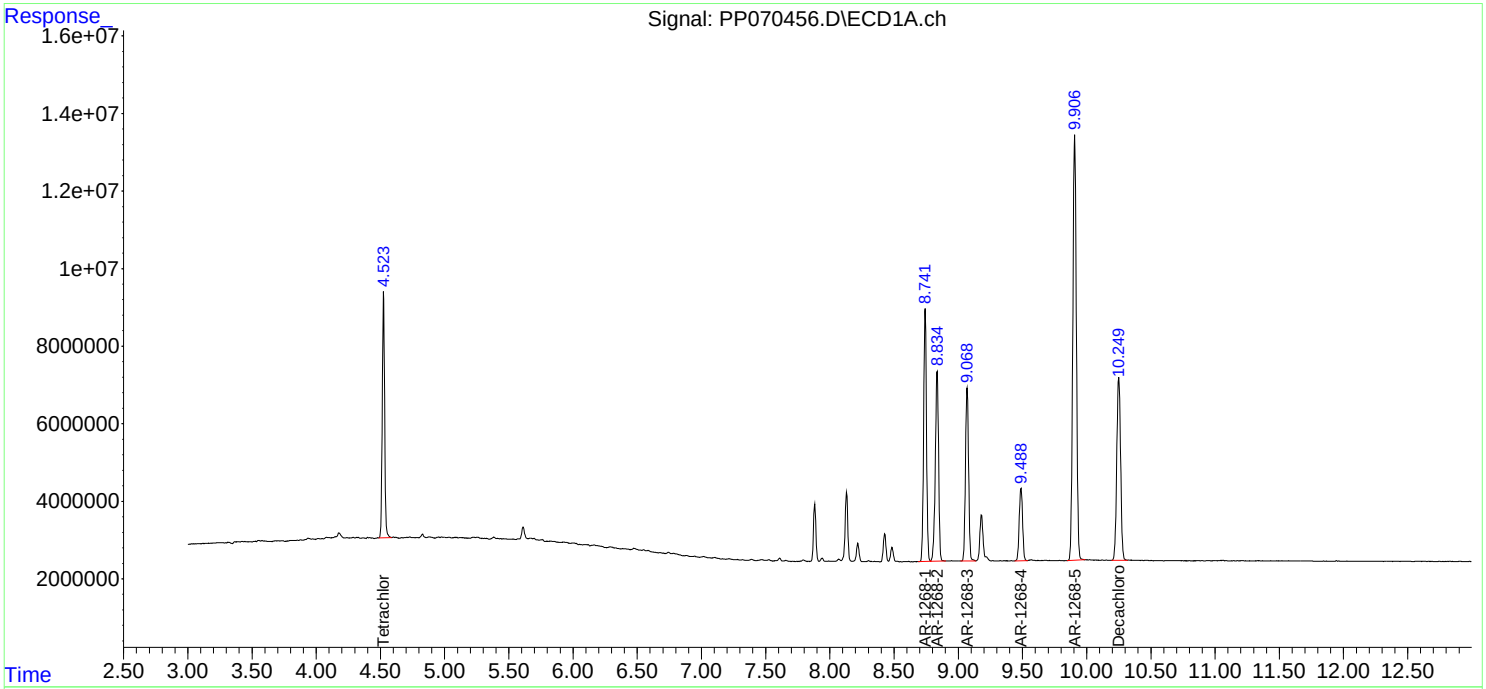
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

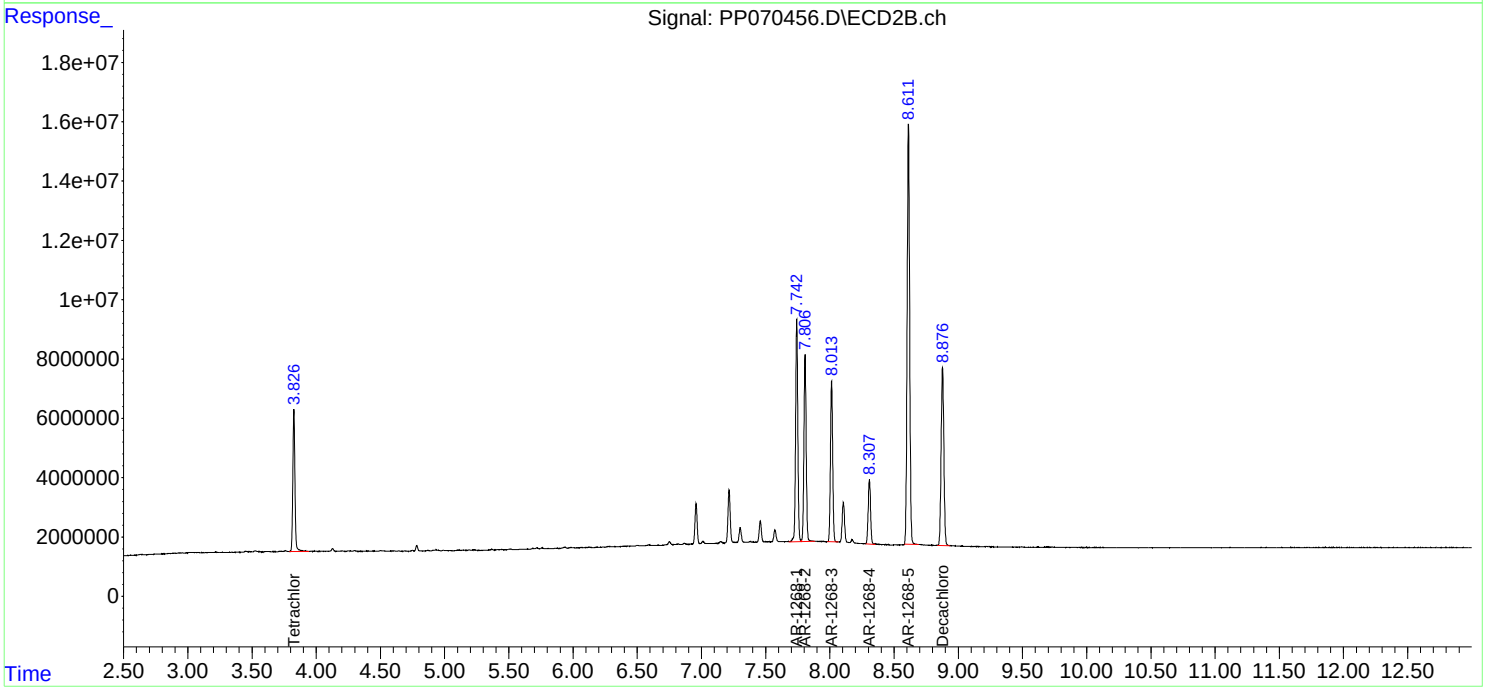
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 01:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

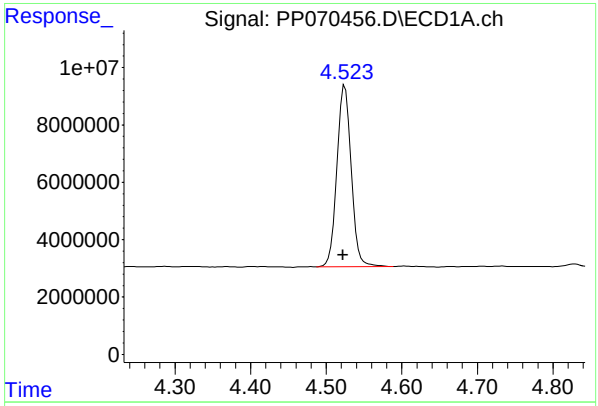
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:57:27 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



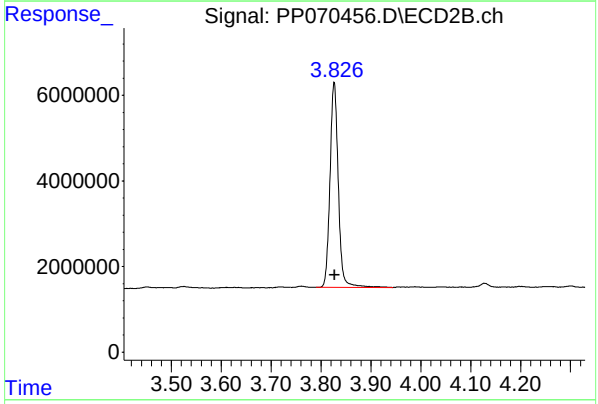




#1 Tetrachloro-m-xylene

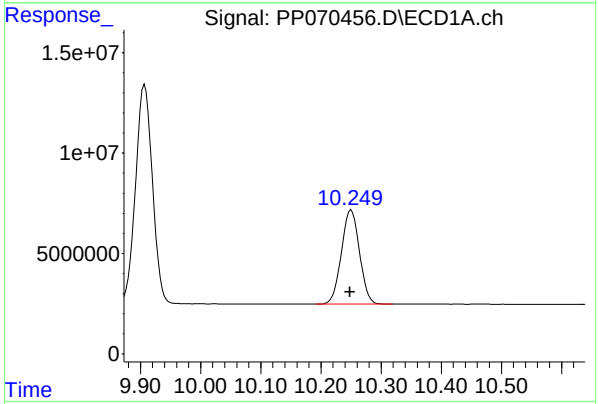
R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 82956019
Conc: 50.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



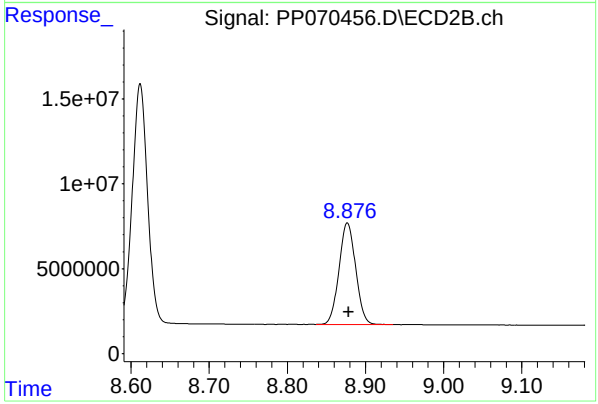
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: 0.000 min
Response: 55353504
Conc: 50.19 ng/ml



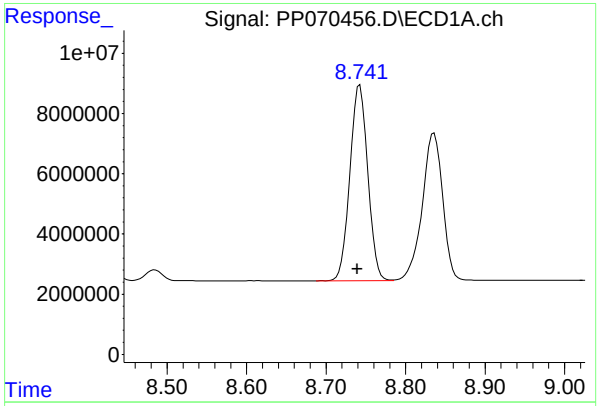
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: 0.002 min
Response: 97699870
Conc: 50.66 ng/ml



#2 Decachlorobiphenyl

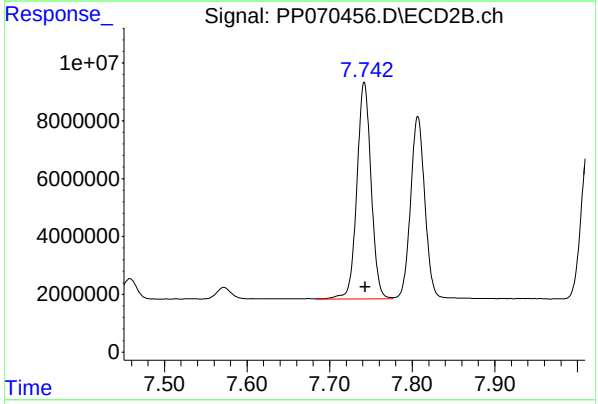
R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 88842686
Conc: 50.99 ng/ml



#41 AR-1268-1

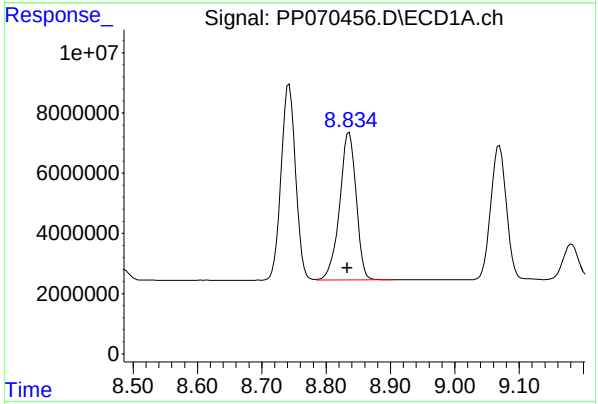
R.T.: 8.742 min
Delta R.T.: 0.003 min
Response: 101669370
Conc: 504.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



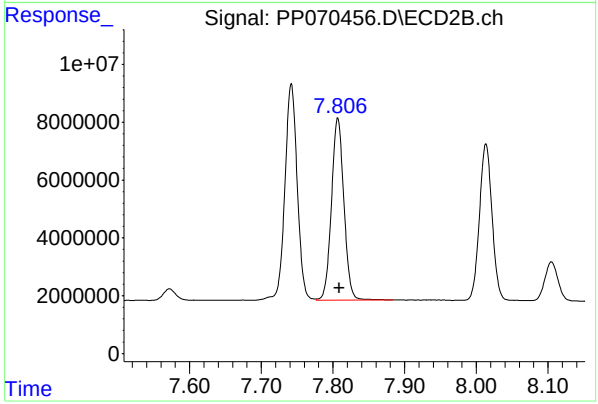
#41 AR-1268-1

R.T.: 7.742 min
Delta R.T.: -0.001 min
Response: 89726484
Conc: 501.13 ng/ml



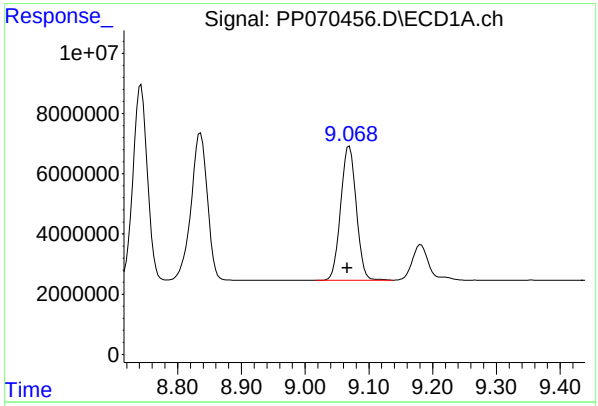
#42 AR-1268-2

R.T.: 8.836 min
Delta R.T.: 0.002 min
Response: 87505543
Conc: 505.20 ng/ml



#42 AR-1268-2

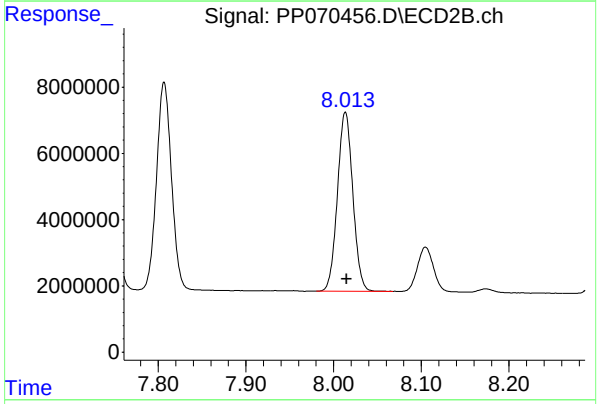
R.T.: 7.807 min
Delta R.T.: -0.002 min
Response: 76005918
Conc: 507.24 ng/ml



#43 AR-1268-3

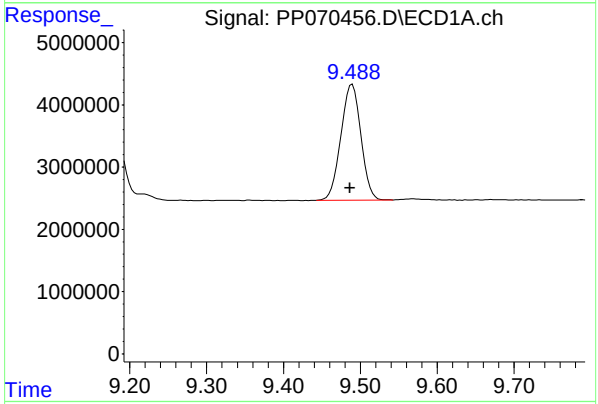
R.T.: 9.069 min
Delta R.T.: 0.003 min
Response: 75570485
Conc: 504.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



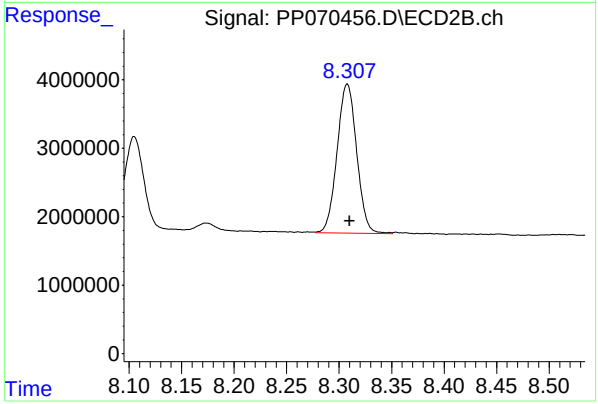
#43 AR-1268-3

R.T.: 8.013 min
Delta R.T.: -0.002 min
Response: 65882951
Conc: 508.50 ng/ml



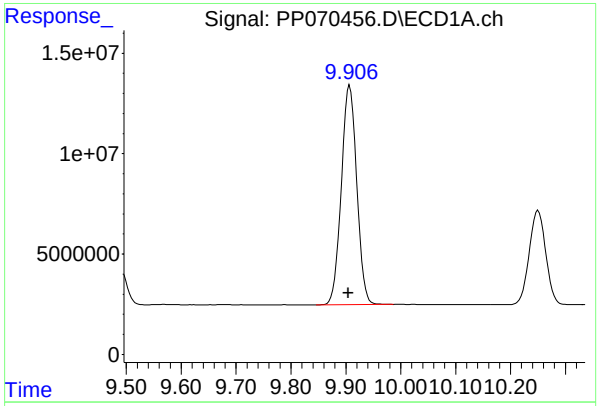
#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: 0.003 min
Response: 33480982
Conc: 505.93 ng/ml



#44 AR-1268-4

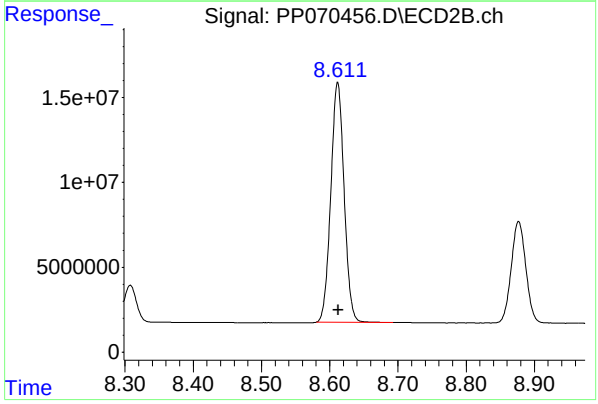
R.T.: 8.308 min
Delta R.T.: -0.002 min
Response: 28268151
Conc: 497.59 ng/ml



#45 AR-1268-5

R.T.: 9.907 min
Delta R.T.: 0.003 min
Response: 213574982
Conc: 504.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



#45 AR-1268-5

R.T.: 8.612 min
Delta R.T.: -0.001 min
Response: 191750380
Conc: 506.86 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 14:00 **Initial Calibration Time(s):** 15:13 23:38

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	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 14:00 **Initial Calibration Time(s):** 15:13 23:38

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	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070589.D **Time Analyzed:** 14:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.674	5.577	5.777	464.700	500.000	-7.1
Aroclor-1016-2	5.696	5.599	5.799	510.500	500.000	2.1
Aroclor-1016-3	5.759	5.661	5.861	489.260	500.000	-2.1
Aroclor-1016-4	5.856	5.758	5.958	488.460	500.000	-2.3
Aroclor-1016-5	6.149	6.051	6.251	489.200	500.000	-2.2
Aroclor-1260-1	7.268	7.171	7.371	520.980	500.000	4.2
Aroclor-1260-2	7.521	7.425	7.625	510.080	500.000	2.0
Aroclor-1260-3	7.880	7.783	7.983	512.770	500.000	2.6
Aroclor-1260-4	8.104	8.008	8.208	494.890	500.000	-1.0
Aroclor-1260-5	8.424	8.328	8.528	504.270	500.000	0.9
Decachlorobiphenyl	10.245	10.152	10.352	50.120	50.000	0.2
Tetrachloro-m-xylene	4.523	4.424	4.624	48.210	50.000	-3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070589.D **Time Analyzed:** 14:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.913	4.817	5.017	513.500	500.000	2.7
Aroclor-1016-2	4.932	4.836	5.036	494.410	500.000	-1.1
Aroclor-1016-3	5.109	5.013	5.213	506.870	500.000	1.4
Aroclor-1016-4	5.150	5.054	5.254	516.010	500.000	3.2
Aroclor-1016-5	5.365	5.270	5.470	506.660	500.000	1.3
Aroclor-1260-1	6.402	6.307	6.507	504.610	500.000	0.9
Aroclor-1260-2	6.590	6.495	6.695	495.670	500.000	-0.9
Aroclor-1260-3	6.744	6.649	6.849	493.220	500.000	-1.4
Aroclor-1260-4	7.215	7.121	7.321	472.030	500.000	-5.6
Aroclor-1260-5	7.456	7.362	7.562	467.540	500.000	-6.5
Decachlorobiphenyl	8.874	8.781	8.981	46.020	50.000	-8.0
Tetrachloro-m-xylene	3.826	3.729	3.929	51.360	50.000	2.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 14:00
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: Mar 18 01:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.523	3.826	74983034	51473099	48.209	51.356
2)	SA Decachlor...	10.245	8.874	53242264	45022317	50.118	46.018
	Target Compounds						
3)	L1 AR-1016-1	5.674	4.913	24095295	18461721	464.701	513.503
4)	L1 AR-1016-2	5.696	4.932	36523489	25692761	510.498	494.408
5)	L1 AR-1016-3	5.759	5.109	22280060	14422233	489.264	506.872
6)	L1 AR-1016-4	5.856	5.150	19068242	11553330	488.456	516.006
7)	L1 AR-1016-5	6.149	5.365	16937091	15057475	489.200	506.664
31)	L7 AR-1260-1	7.268	6.402	30601597	25121600	520.983	504.608
32)	L7 AR-1260-2	7.521	6.590	41848207	32757904	510.076	495.675
33)	L7 AR-1260-3	7.880	6.744	33718797	28211056	512.774	493.223
34)	L7 AR-1260-4	8.104	7.215	32337322	24150825	494.888	472.032
35)	L7 AR-1260-5	8.424	7.456	68921769	60212728	504.265	467.544

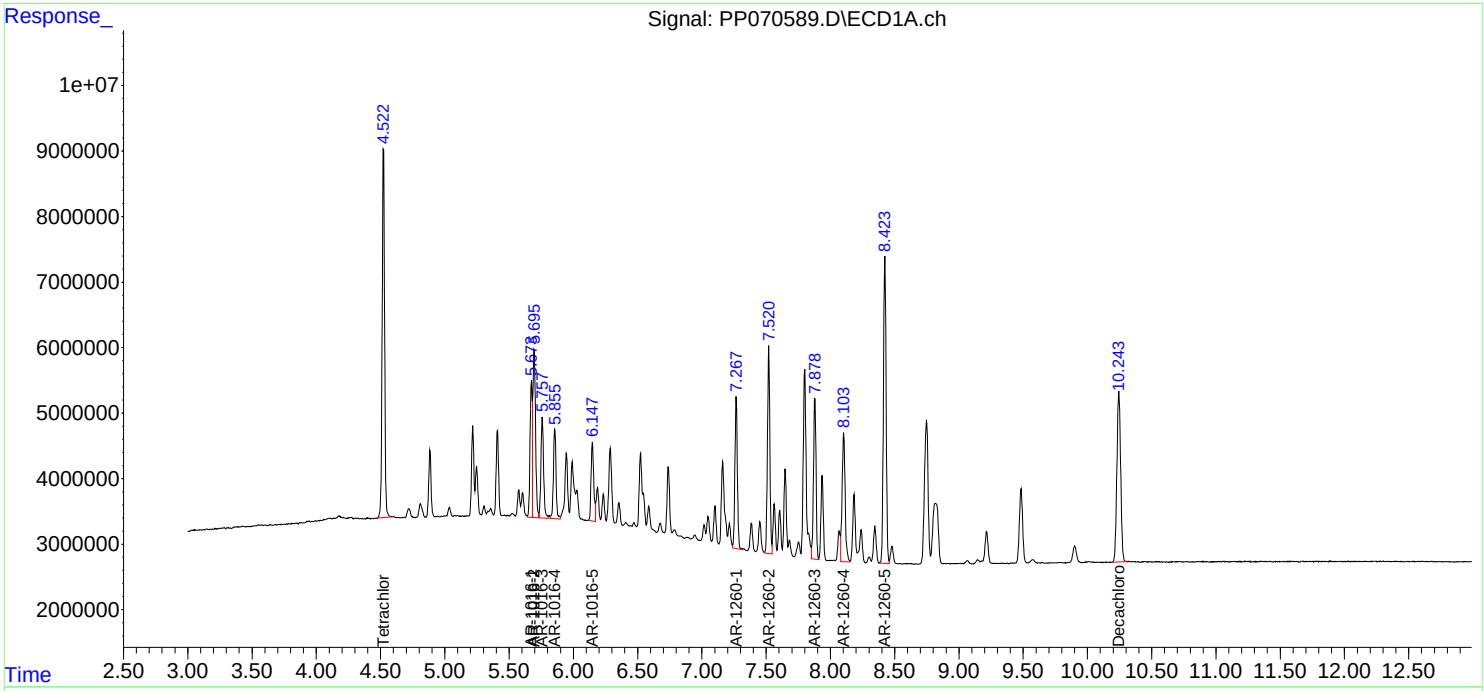
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

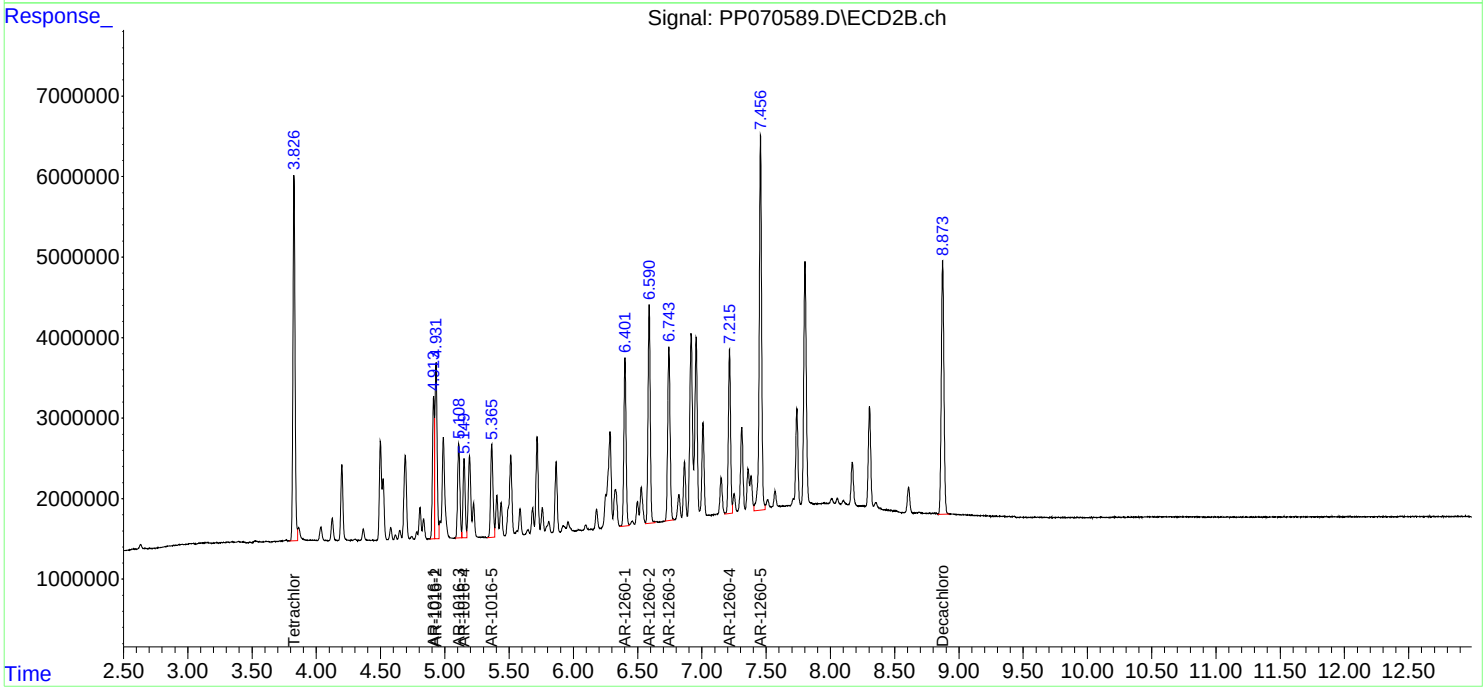
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 14:00
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

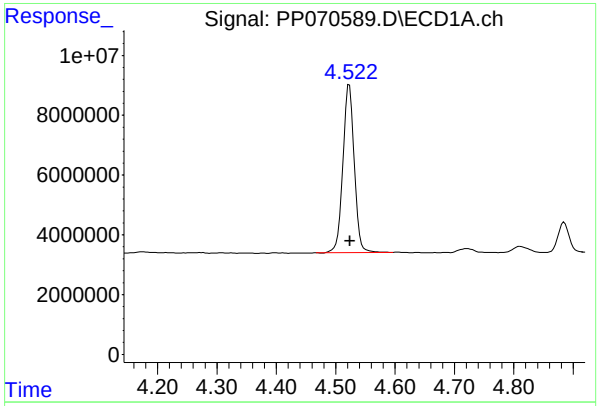
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



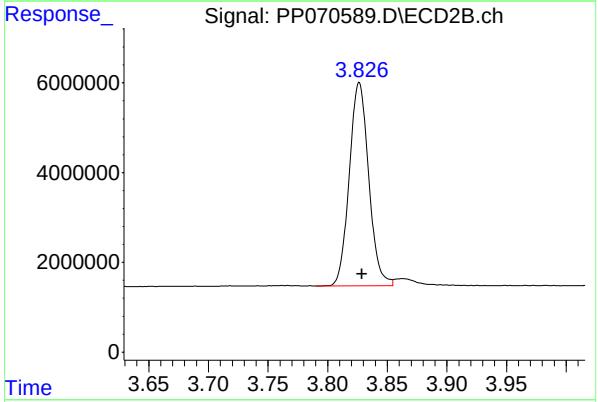




#1 Tetrachloro-m-xylene

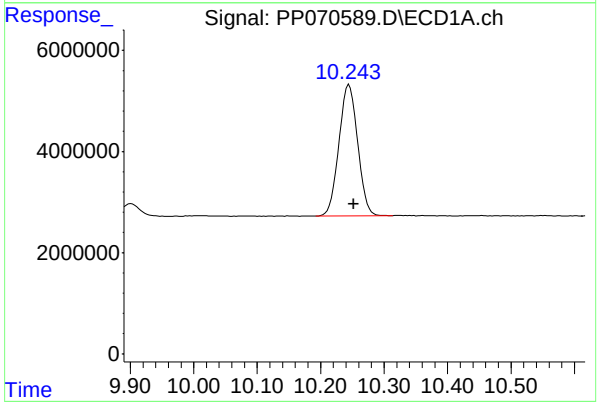
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 74983034
Conc: 48.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



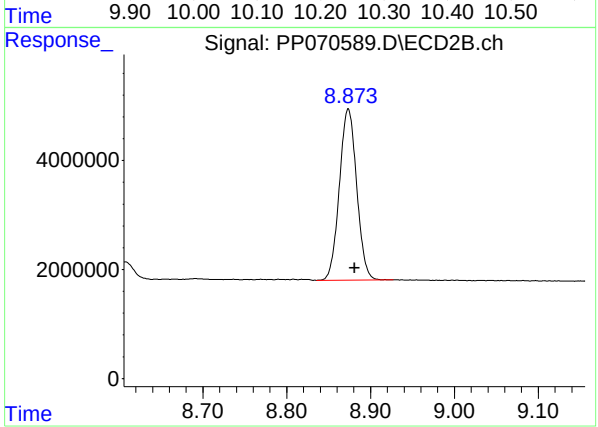
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 51473099
Conc: 51.36 ng/ml



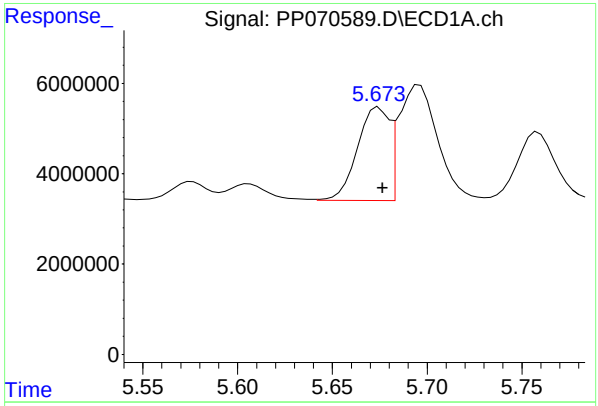
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 53242264
Conc: 50.12 ng/ml



#2 Decachlorobiphenyl

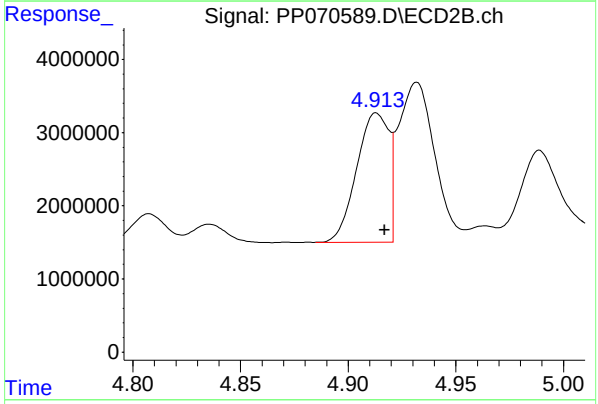
R.T.: 8.874 min
Delta R.T.: -0.008 min
Response: 45022317
Conc: 46.02 ng/ml



#3 AR-1016-1

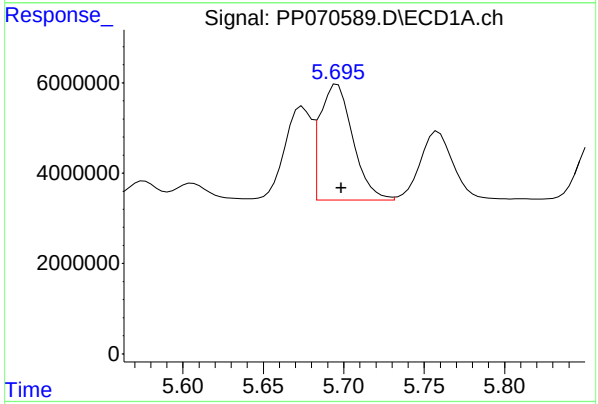
R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 24095295
Conc: 464.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



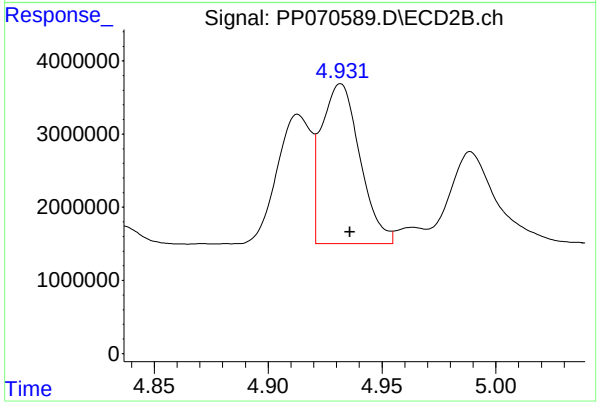
#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 18461721
Conc: 513.50 ng/ml



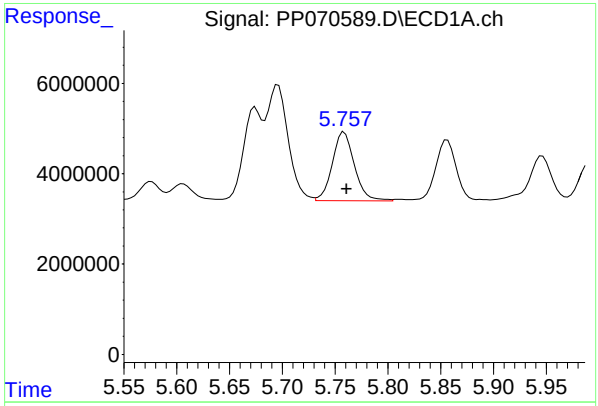
#4 AR-1016-2

R.T.: 5.696 min
Delta R.T.: -0.003 min
Response: 36523489
Conc: 510.50 ng/ml



#4 AR-1016-2

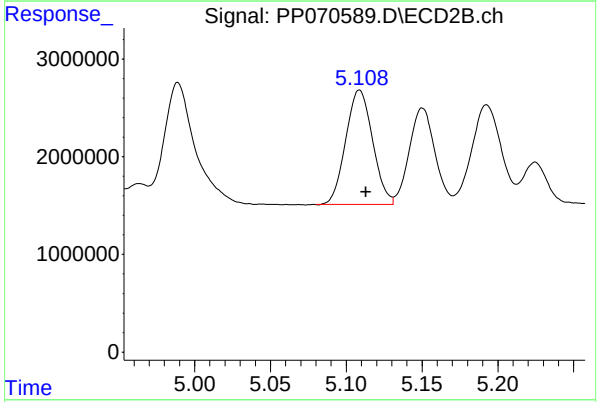
R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 25692761
Conc: 494.41 ng/ml



#5 AR-1016-3

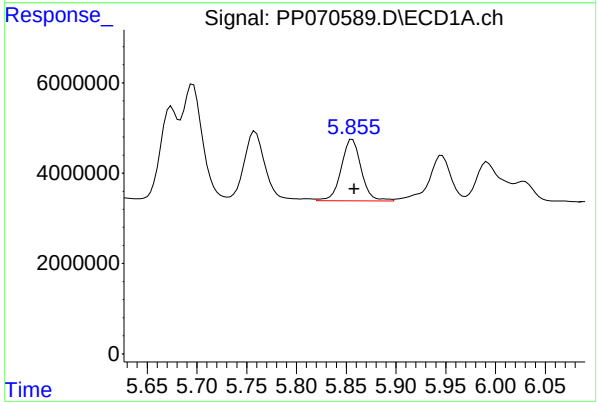
R.T.: 5.759 min
Delta R.T.: -0.002 min
Response: 22280060
Conc: 489.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



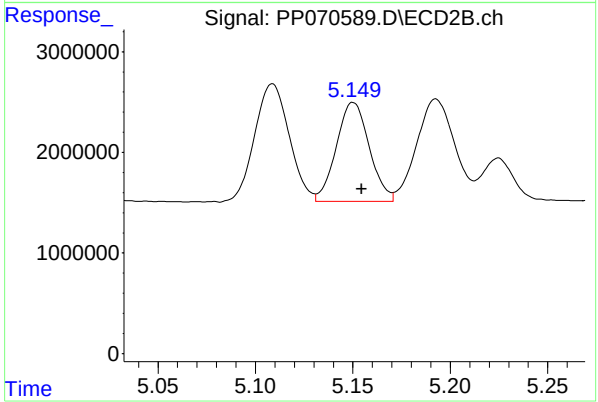
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 14422233
Conc: 506.87 ng/ml



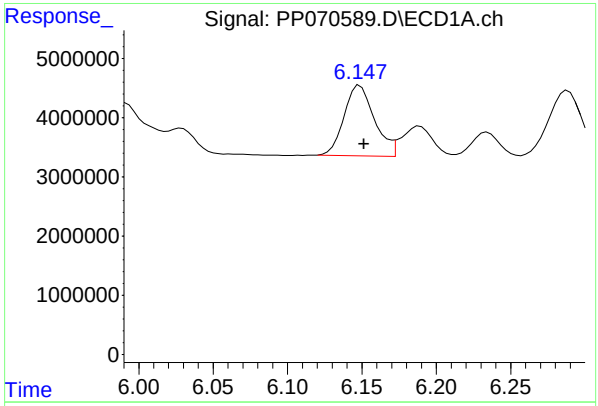
#6 AR-1016-4

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 19068242
Conc: 488.46 ng/ml



#6 AR-1016-4

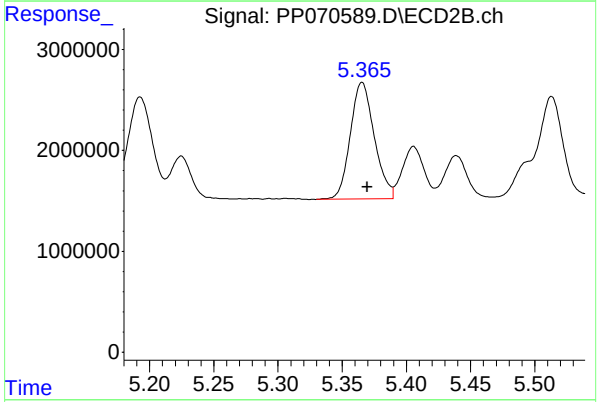
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 11553330
Conc: 516.01 ng/ml



#7 AR-1016-5

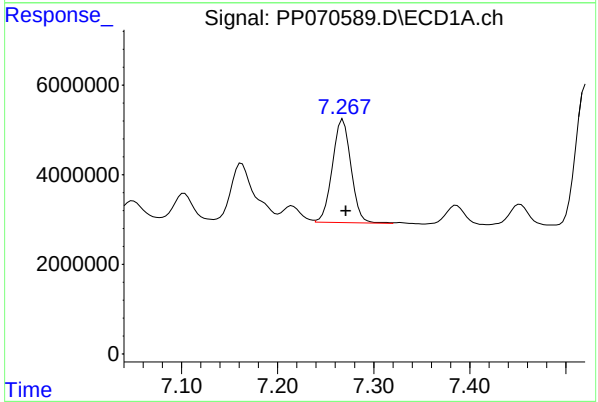
R.T.: 6.149 min
Delta R.T.: -0.003 min
Response: 16937091
Conc: 489.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



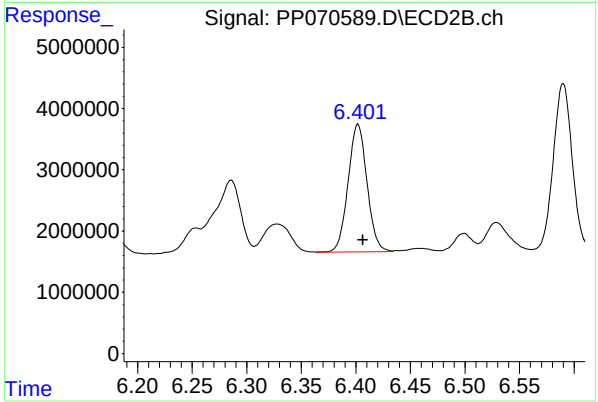
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.004 min
Response: 15057475
Conc: 506.66 ng/ml



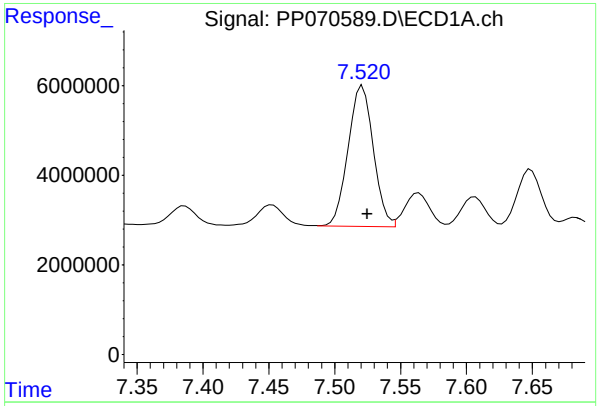
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 30601597
Conc: 520.98 ng/ml



#31 AR-1260-1

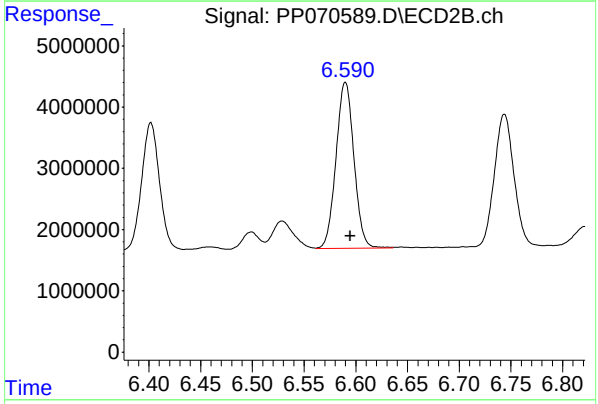
R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 25121600
Conc: 504.61 ng/ml



#32 AR-1260-2

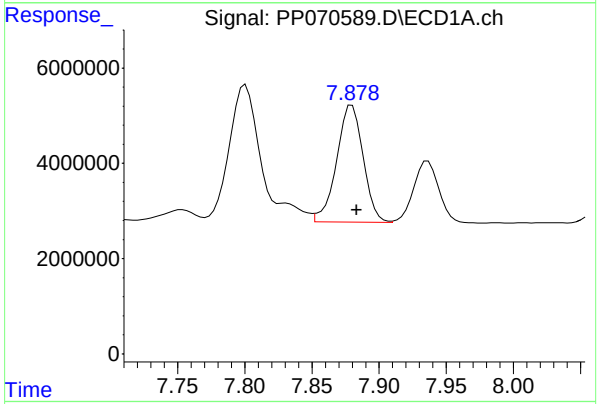
R.T.: 7.521 min
Delta R.T.: -0.004 min
Response: 41848207
Conc: 510.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



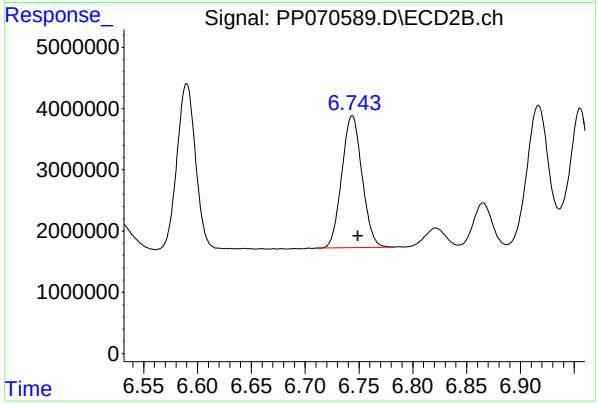
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 32757904
Conc: 495.67 ng/ml



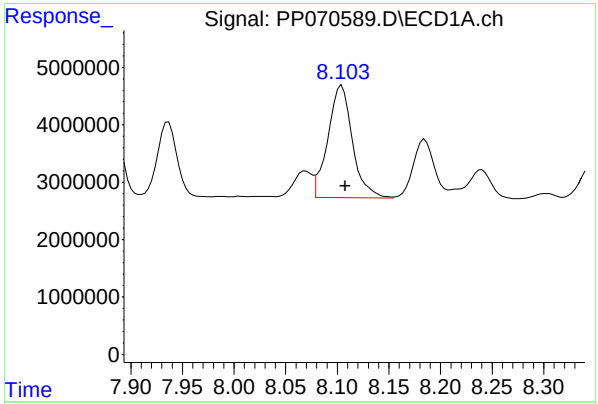
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 33718797
Conc: 512.77 ng/ml



#33 AR-1260-3

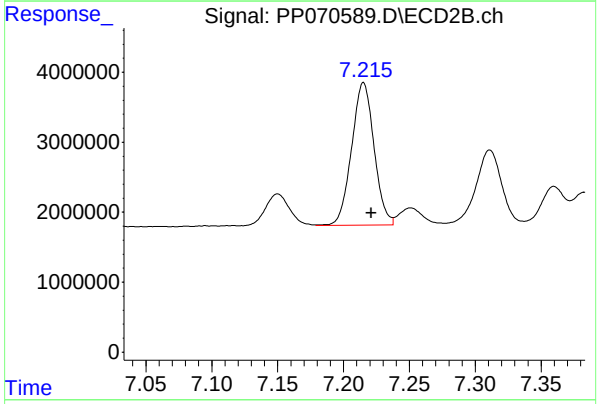
R.T.: 6.744 min
Delta R.T.: -0.005 min
Response: 28211056
Conc: 493.22 ng/ml



#34 AR-1260-4

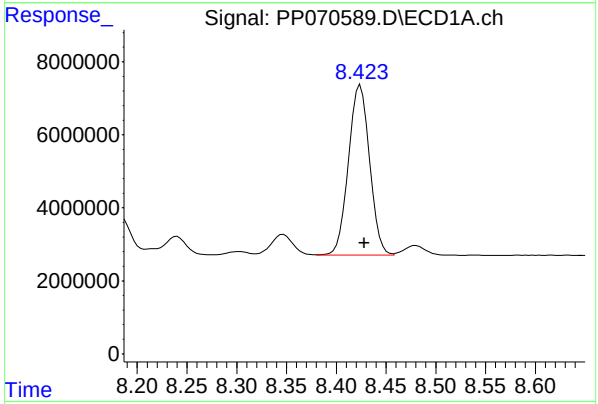
R.T.: 8.104 min
Delta R.T.: -0.003 min
Response: 32337322
Conc: 494.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



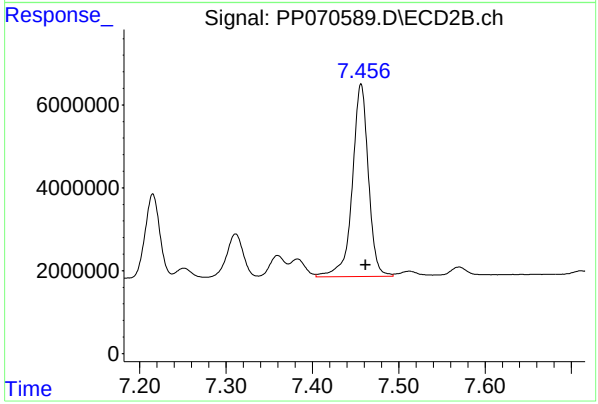
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 24150825
Conc: 472.03 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 min
Response: 68921769
Conc: 504.27 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.005 min
Response: 60212728
Conc: 467.54 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 18:37 **Initial Calibration Time(s):** 15:13 23:38

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	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 18:37 **Initial Calibration Time(s):** 15:13 23:38

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	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070604.D **Time Analyzed:** 18:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.675	5.577	5.777	469.500	500.000	-6.1
Aroclor-1016-2	5.697	5.599	5.799	514.170	500.000	2.8
Aroclor-1016-3	5.760	5.661	5.861	487.100	500.000	-2.6
Aroclor-1016-4	5.857	5.758	5.958	482.110	500.000	-3.6
Aroclor-1016-5	6.150	6.051	6.251	481.210	500.000	-3.8
Aroclor-1260-1	7.268	7.171	7.371	506.790	500.000	1.4
Aroclor-1260-2	7.522	7.425	7.625	510.190	500.000	2.0
Aroclor-1260-3	7.880	7.783	7.983	511.570	500.000	2.3
Aroclor-1260-4	8.105	8.008	8.208	492.860	500.000	-1.4
Aroclor-1260-5	8.425	8.328	8.528	503.040	500.000	0.6
Decachlorobiphenyl	10.243	10.152	10.352	49.810	50.000	-0.4
Tetrachloro-m-xylene	4.524	4.424	4.624	49.030	50.000	-1.9

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070604.D **Time Analyzed:** 18:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.911	4.817	5.017	510.710	500.000	2.1
Aroclor-1016-2	4.930	4.836	5.036	494.880	500.000	-1.0
Aroclor-1016-3	5.107	5.013	5.213	500.540	500.000	0.1
Aroclor-1016-4	5.149	5.054	5.254	510.540	500.000	2.1
Aroclor-1016-5	5.364	5.270	5.470	504.900	500.000	1.0
Aroclor-1260-1	6.400	6.307	6.507	489.900	500.000	-2.0
Aroclor-1260-2	6.588	6.495	6.695	481.780	500.000	-3.6
Aroclor-1260-3	6.742	6.649	6.849	478.610	500.000	-4.3
Aroclor-1260-4	7.214	7.121	7.321	459.970	500.000	-8.0
Aroclor-1260-5	7.455	7.362	7.562	464.860	500.000	-7.0
Decachlorobiphenyl	8.871	8.781	8.981	44.050	50.000	-11.9
Tetrachloro-m-xylene	3.824	3.729	3.929	49.130	50.000	-1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 18:37
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: Mar 18 01:42:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.524	3.824	76258811	49244994	49.029	49.133
2)	SA Decachlor...	10.243	8.871	52919666	43098503	49.814	44.052
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.911	24343910	18361448	469.496	510.714
4)	L1 AR-1016-2	5.697	4.930	36785899	25717136	514.166	494.878
5)	L1 AR-1016-3	5.760	5.107	22181610	14242067	487.102	500.540
6)	L1 AR-1016-4	5.857	5.149	18820671	11430831	482.114	510.535
7)	L1 AR-1016-5	6.150	5.364	16660399	15004914	481.208	504.895
31)	L7 AR-1260-1	7.268	6.400	29767974	24389180	506.791	489.896
32)	L7 AR-1260-2	7.522	6.588	41857489	31839717	510.190	481.781
33)	L7 AR-1260-3	7.880	6.742	33639499	27375384	511.568	478.613
34)	L7 AR-1260-4	8.105	7.214	32204834	23533676	492.860	459.970
35)	L7 AR-1260-5	8.425	7.455	68754168	59867104	503.039	464.860

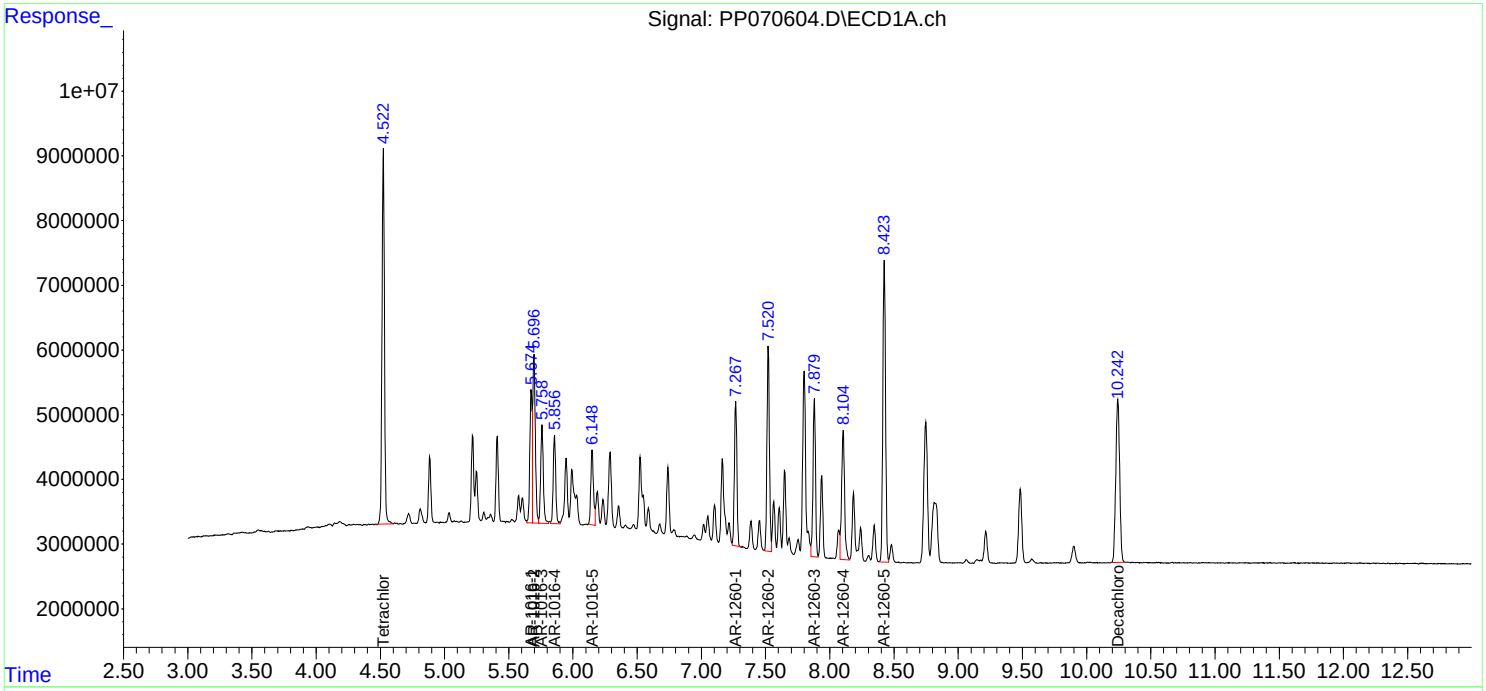
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

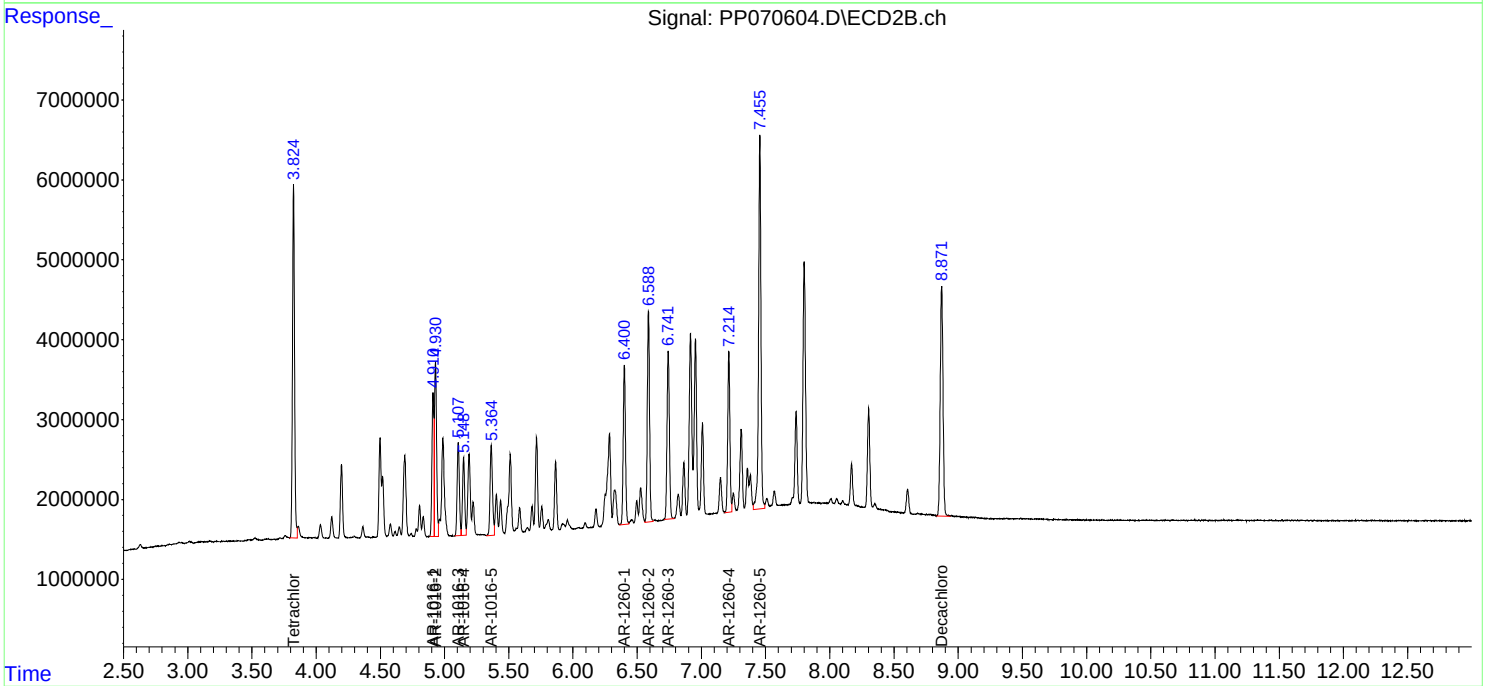
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 18:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

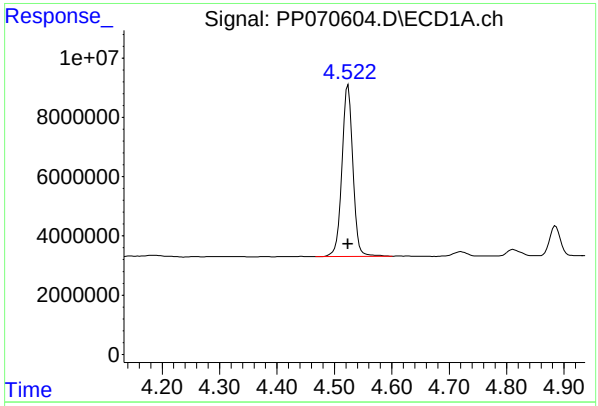
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



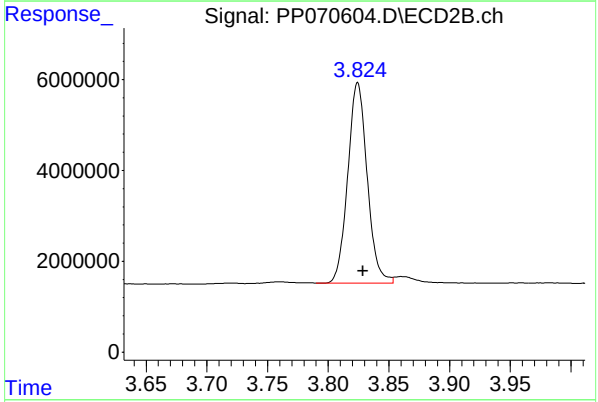




#1 Tetrachloro-m-xylene

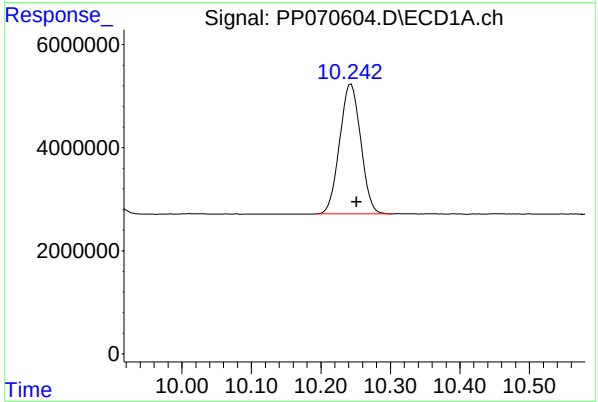
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 76258811
Conc: 49.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



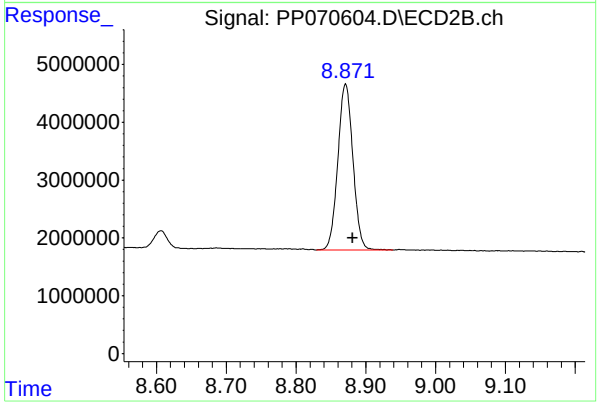
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 49244994
Conc: 49.13 ng/ml



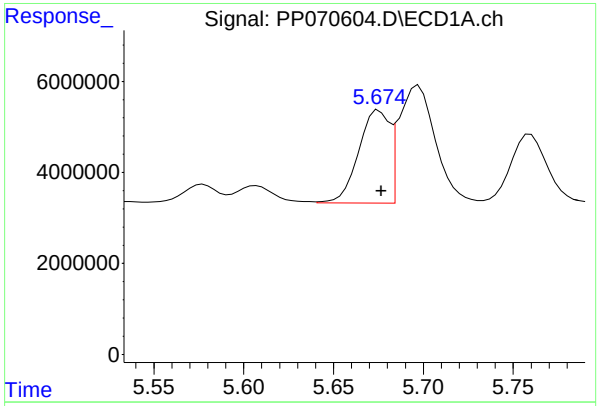
#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.008 min
Response: 52919666
Conc: 49.81 ng/ml



#2 Decachlorobiphenyl

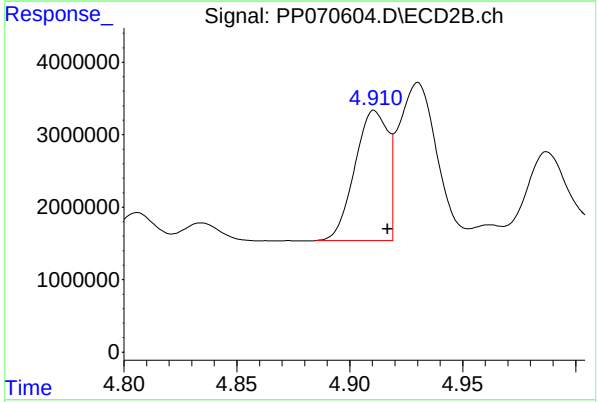
R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 43098503
Conc: 44.05 ng/ml



#3 AR-1016-1

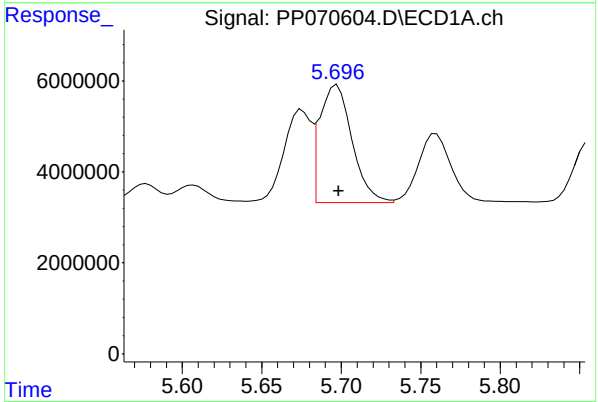
R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 24343910
Conc: 469.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



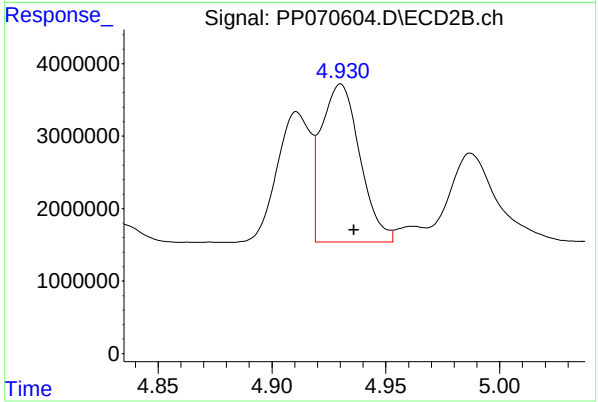
#3 AR-1016-1

R.T.: 4.911 min
Delta R.T.: -0.006 min
Response: 18361448
Conc: 510.71 ng/ml



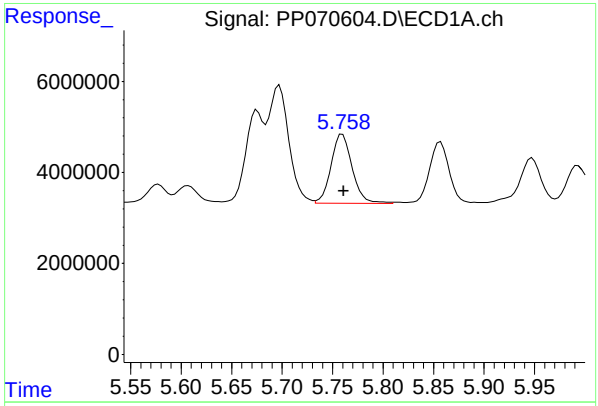
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 36785899
Conc: 514.17 ng/ml



#4 AR-1016-2

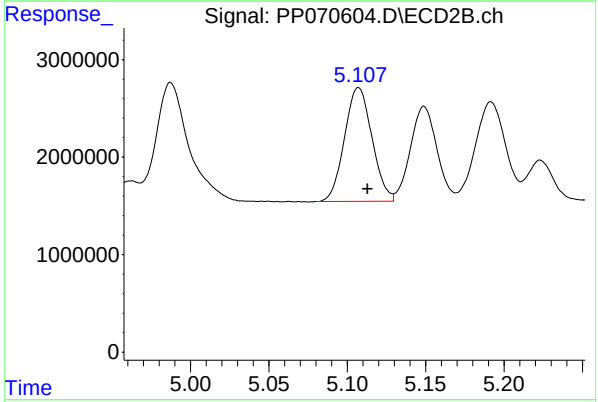
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 25717136
Conc: 494.88 ng/ml



#5 AR-1016-3

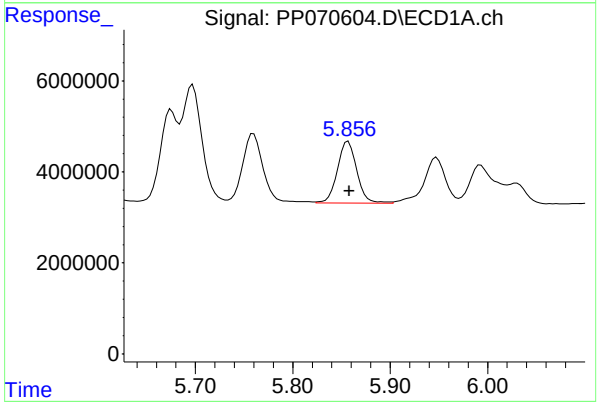
R.T.: 5.760 min
Delta R.T.: -0.001 min
Response: 22181610
Conc: 487.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



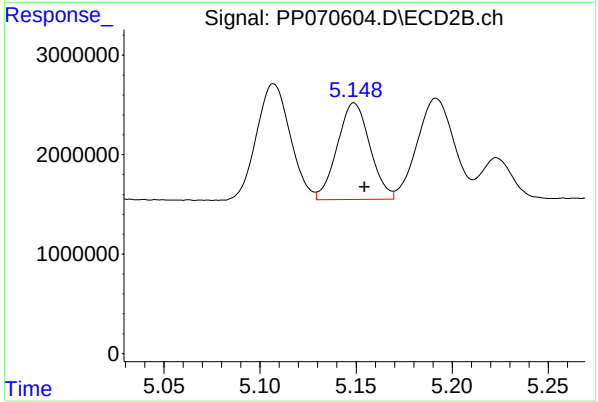
#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14242067
Conc: 500.54 ng/ml



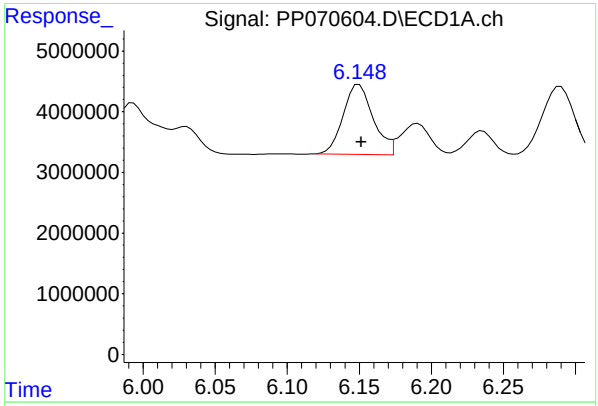
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 18820671
Conc: 482.11 ng/ml



#6 AR-1016-4

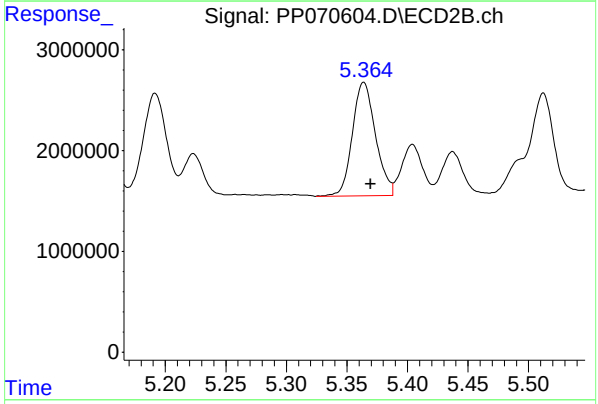
R.T.: 5.149 min
Delta R.T.: -0.006 min
Response: 11430831
Conc: 510.54 ng/ml



#7 AR-1016-5

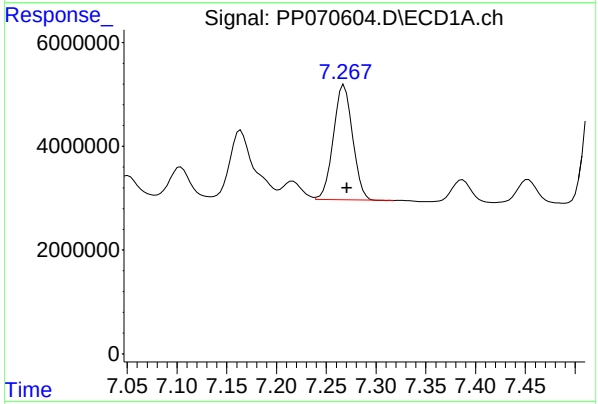
R.T.: 6.150 min
Delta R.T.: -0.002 min
Response: 16660399
Conc: 481.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



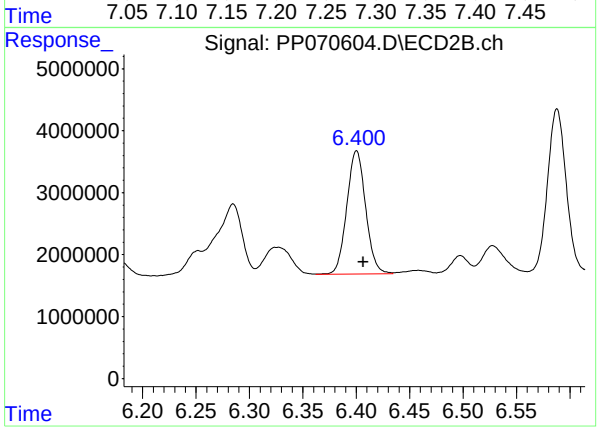
#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 15004914
Conc: 504.90 ng/ml



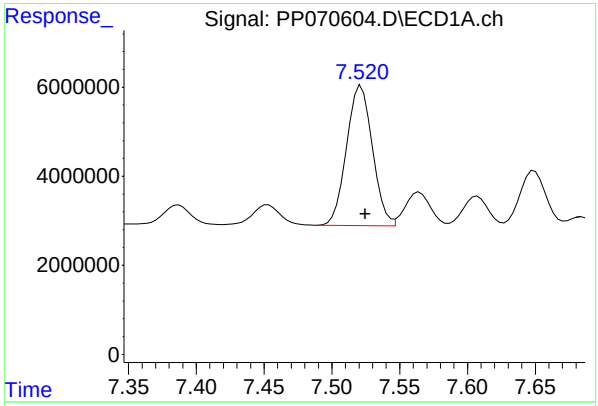
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 29767974
Conc: 506.79 ng/ml



#31 AR-1260-1

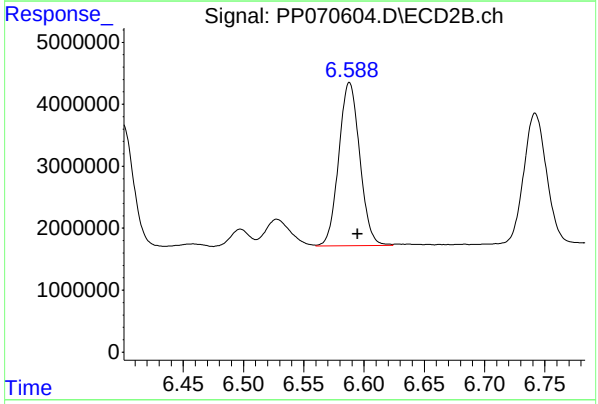
R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 24389180
Conc: 489.90 ng/ml



#32 AR-1260-2

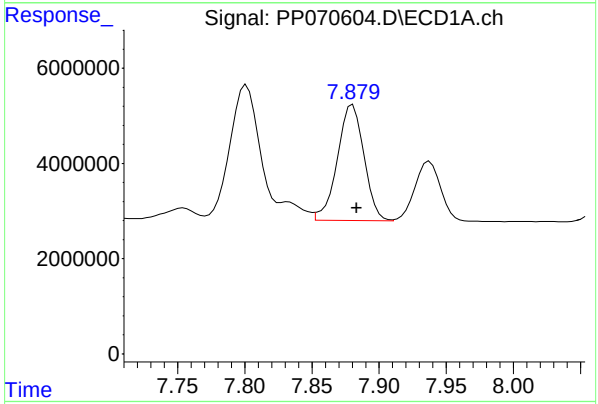
R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 41857489
Conc: 510.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



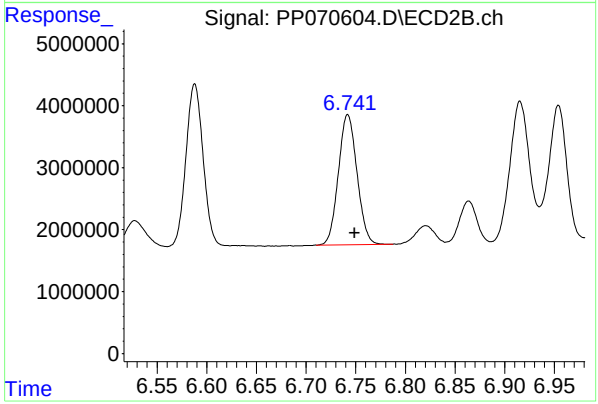
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 31839717
Conc: 481.78 ng/ml



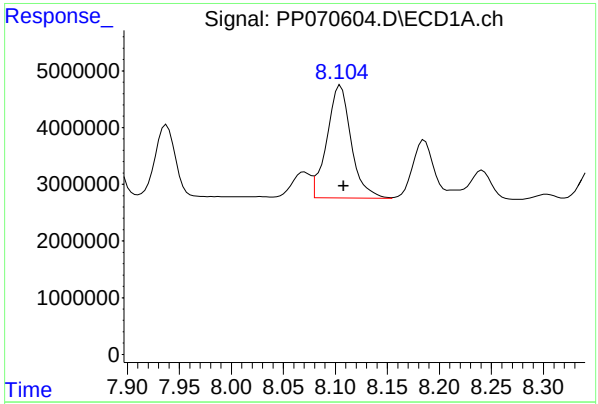
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 33639499
Conc: 511.57 ng/ml



#33 AR-1260-3

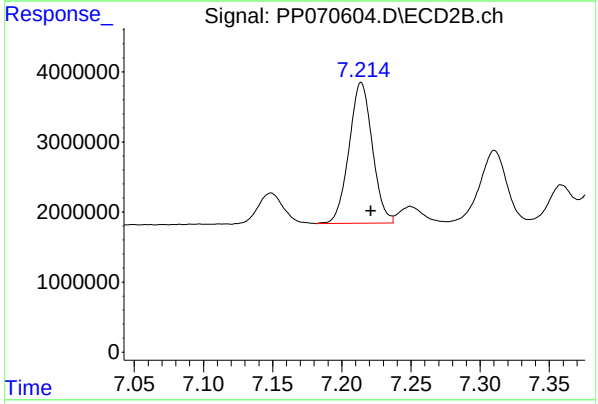
R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 27375384
Conc: 478.61 ng/ml



#34 AR-1260-4

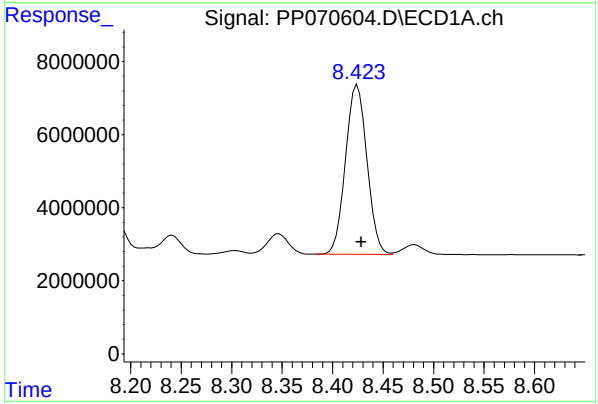
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 32204834
Conc: 492.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



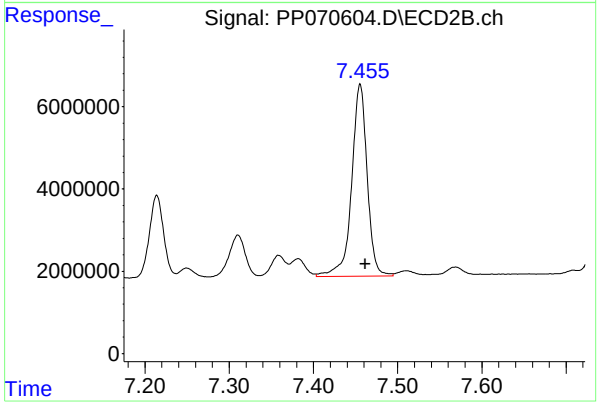
#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 23533676
Conc: 459.97 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 68754168
Conc: 503.04 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 59867104
Conc: 464.86 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 23:13 **Initial Calibration Time(s):** 15:13 23:38

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	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 23:13 **Initial Calibration Time(s):** 15:13 23:38

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	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070619.D **Time Analyzed:** 23:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.671	5.577	5.777	479.620	500.000	-4.1
Aroclor-1016-2	5.693	5.599	5.799	505.960	500.000	1.2
Aroclor-1016-3	5.755	5.661	5.861	488.720	500.000	-2.3
Aroclor-1016-4	5.852	5.758	5.958	482.070	500.000	-3.6
Aroclor-1016-5	6.145	6.051	6.251	479.000	500.000	-4.2
Aroclor-1260-1	7.263	7.171	7.371	532.850	500.000	6.6
Aroclor-1260-2	7.517	7.425	7.625	519.140	500.000	3.8
Aroclor-1260-3	7.876	7.783	7.983	516.370	500.000	3.3
Aroclor-1260-4	8.100	8.008	8.208	495.460	500.000	-0.9
Aroclor-1260-5	8.421	8.328	8.528	507.150	500.000	1.4
Decachlorobiphenyl	10.238	10.152	10.352	49.870	50.000	-0.3
Tetrachloro-m-xylene	4.519	4.424	4.624	49.180	50.000	-1.6

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070619.D **Time Analyzed:** 23:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.909	4.817	5.017	513.180	500.000	2.6
Aroclor-1016-2	4.928	4.836	5.036	497.390	500.000	-0.5
Aroclor-1016-3	5.106	5.013	5.213	503.780	500.000	0.8
Aroclor-1016-4	5.147	5.054	5.254	499.050	500.000	-0.2
Aroclor-1016-5	5.362	5.270	5.470	514.880	500.000	3.0
Aroclor-1260-1	6.398	6.307	6.507	491.090	500.000	-1.8
Aroclor-1260-2	6.586	6.495	6.695	484.330	500.000	-3.1
Aroclor-1260-3	6.740	6.649	6.849	474.160	500.000	-5.2
Aroclor-1260-4	7.212	7.121	7.321	465.710	500.000	-6.9
Aroclor-1260-5	7.453	7.362	7.562	469.060	500.000	-6.2
Decachlorobiphenyl	8.869	8.781	8.981	46.790	50.000	-6.4
Tetrachloro-m-xylene	3.823	3.729	3.929	51.300	50.000	2.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 23:13
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: Mar 18 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	76492936	51420166	49.180	51.303
2)	SA Decachlor...	10.238	8.869	52975173	45775642	49.866	46.788
	Target Compounds						
3)	L1 AR-1016-1	5.671	4.909	24868738	18450130	479.617	513.180
4)	L1 AR-1016-2	5.693	4.928	36198693	25847825	505.958	497.392
5)	L1 AR-1016-3	5.755	5.106	22255121	14334334	488.716	503.783
6)	L1 AR-1016-4	5.852	5.147	18818843	11173641	482.068	499.048
7)	L1 AR-1016-5	6.145	5.362	16583903	15301507	478.999	514.875
31)	L7 AR-1260-1	7.263	6.398	31298405	24448763	532.846	491.093
32)	L7 AR-1260-2	7.517	6.586	42591469	32008003	519.136	484.328
33)	L7 AR-1260-3	7.876	6.740	33955278	27120540	516.370	474.157
34)	L7 AR-1260-4	8.100	7.212	32374957	23827515	495.463	465.713
35)	L7 AR-1260-5	8.421	7.453	69316362	60407460	507.152	469.056

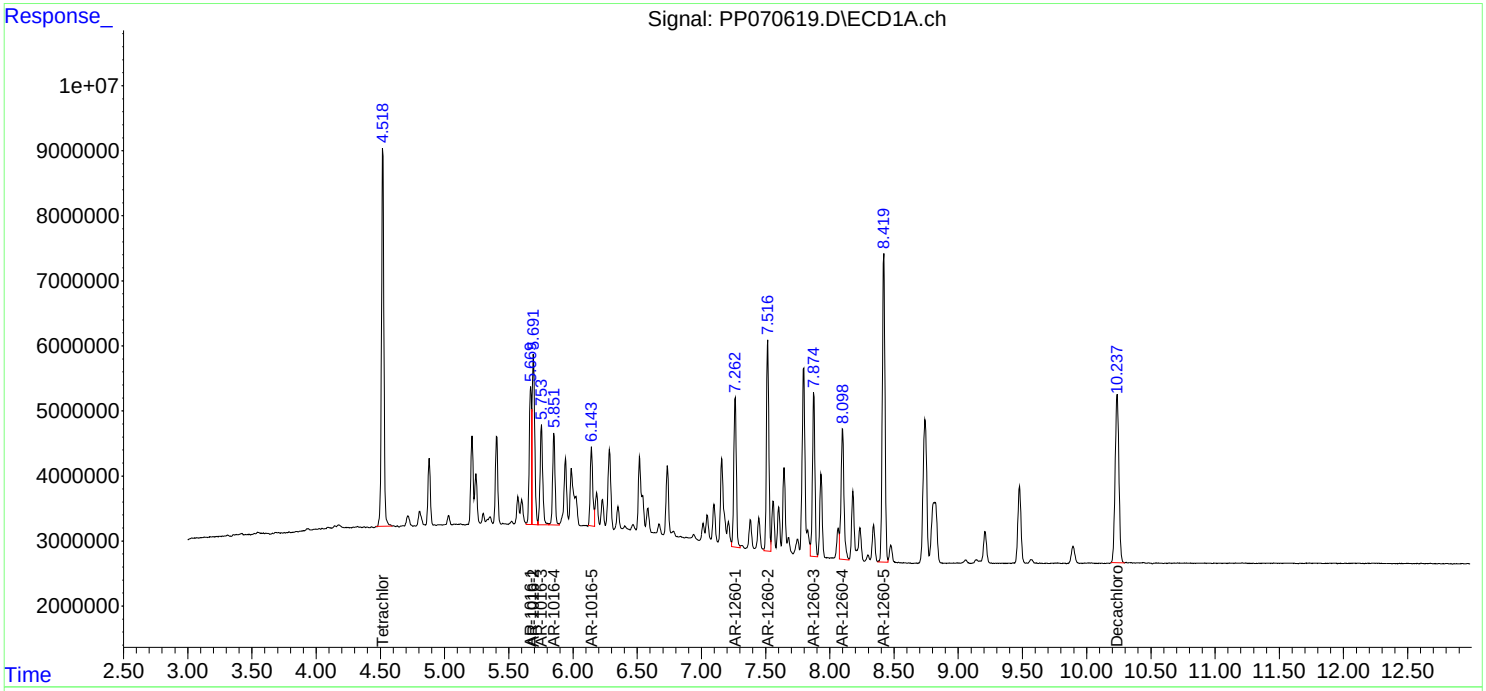
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

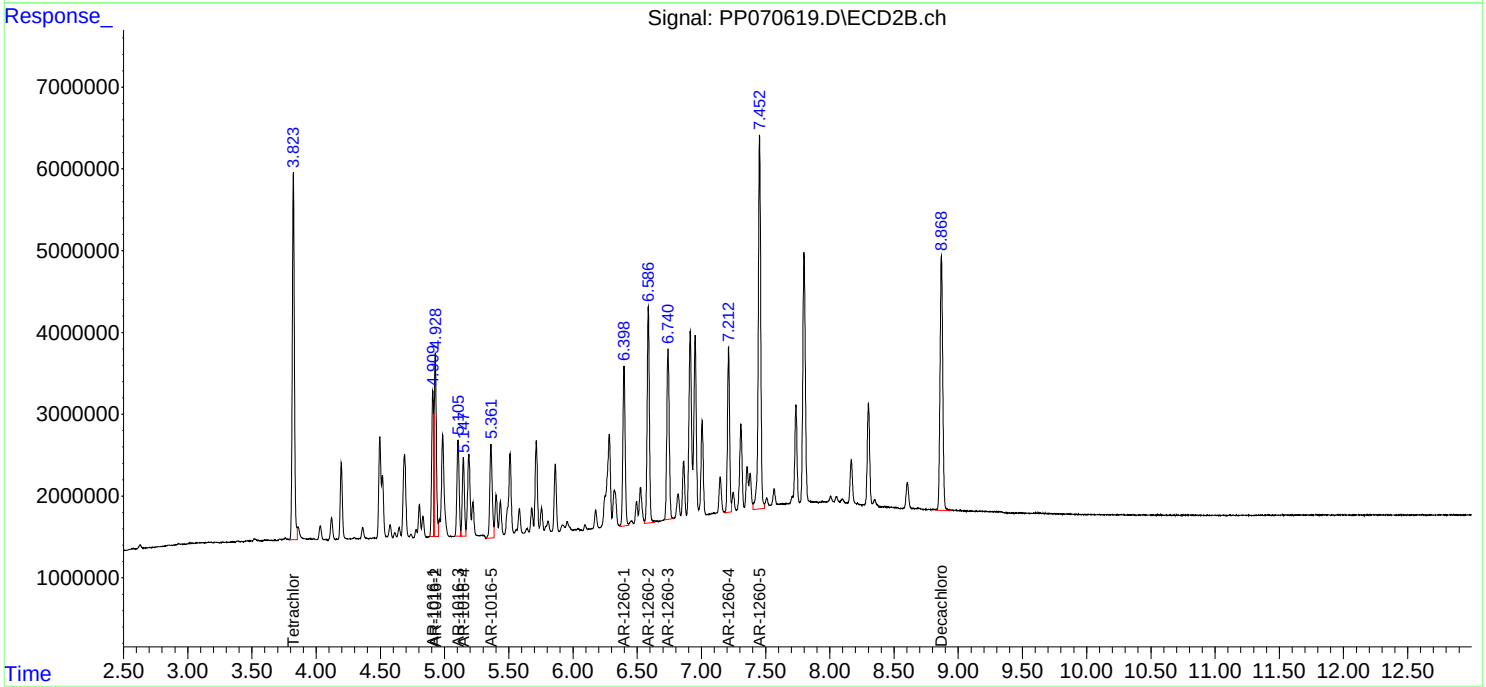
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 23:13
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

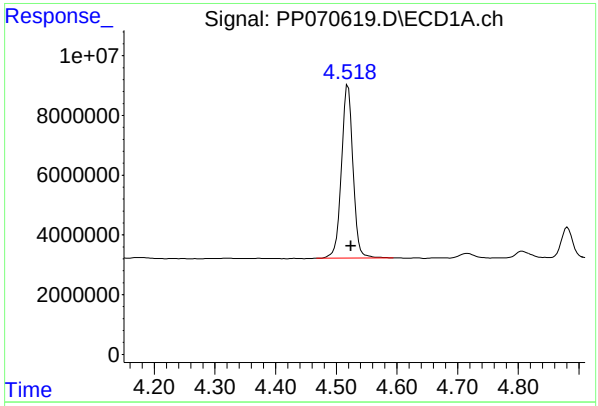
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



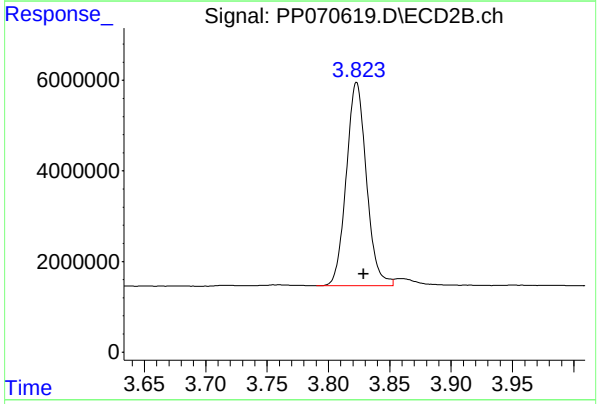




#1 Tetrachloro-m-xylene

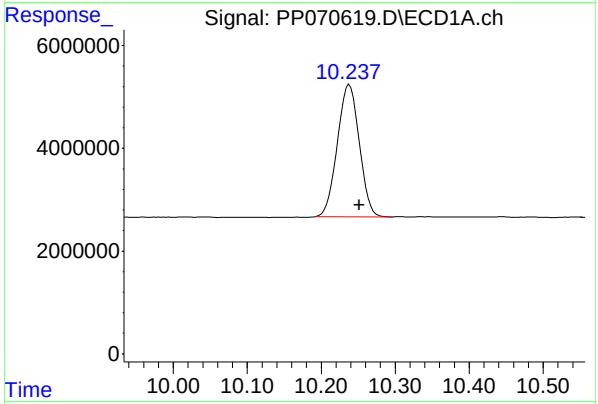
R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 76492936
Conc: 49.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



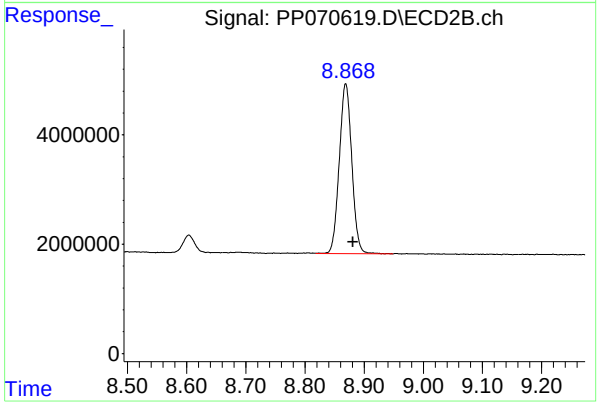
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 51420166
Conc: 51.30 ng/ml



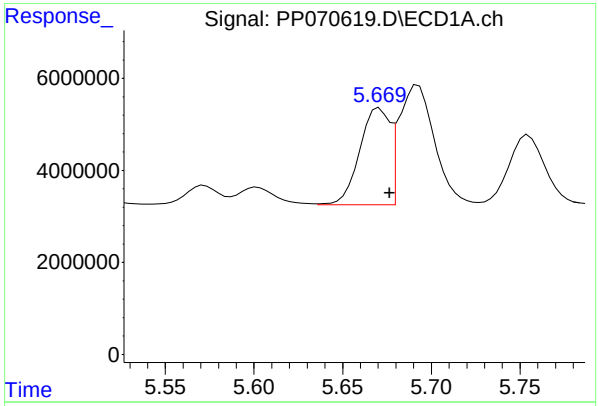
#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 52975173
Conc: 49.87 ng/ml



#2 Decachlorobiphenyl

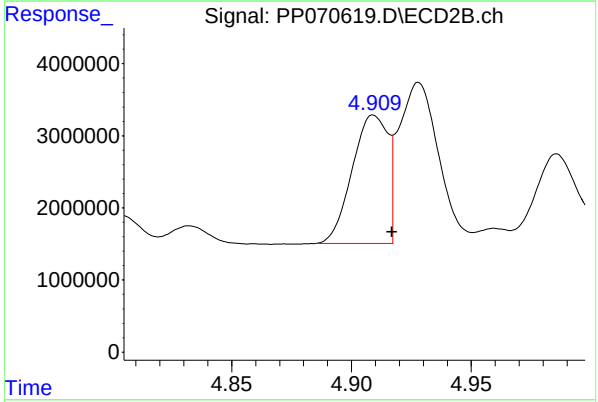
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 45775642
Conc: 46.79 ng/ml



#3 AR-1016-1

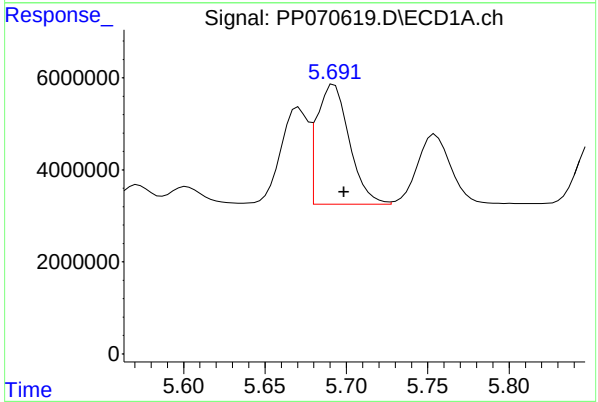
R.T.: 5.671 min
Delta R.T.: -0.006 min
Response: 24868738
Conc: 479.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



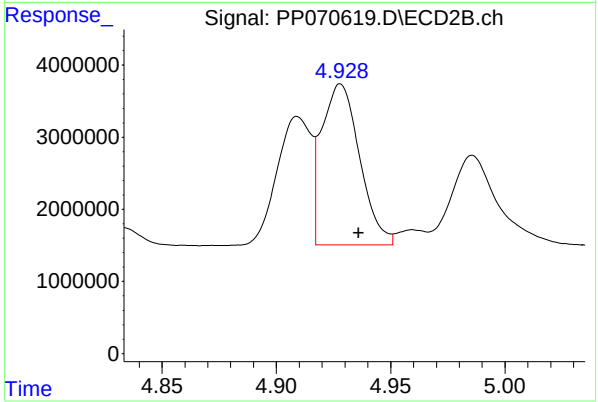
#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.008 min
Response: 18450130
Conc: 513.18 ng/ml



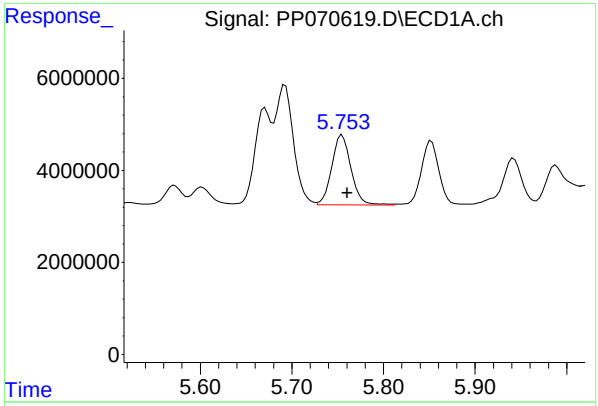
#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: -0.006 min
Response: 36198693
Conc: 505.96 ng/ml



#4 AR-1016-2

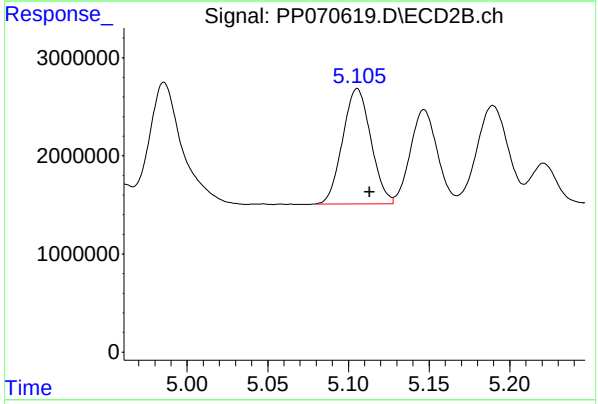
R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 25847825
Conc: 497.39 ng/ml



#5 AR-1016-3

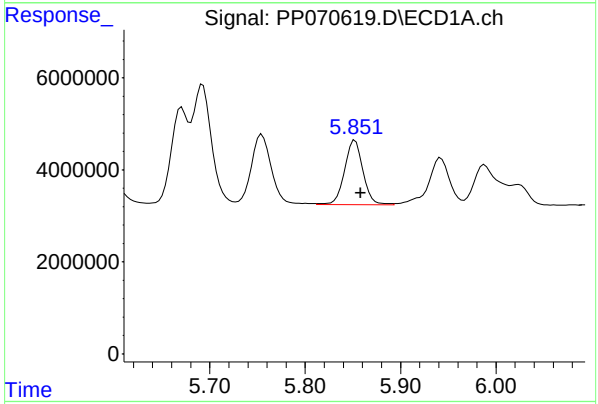
R.T.: 5.755 min
Delta R.T.: -0.006 min
Response: 22255121
Conc: 488.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



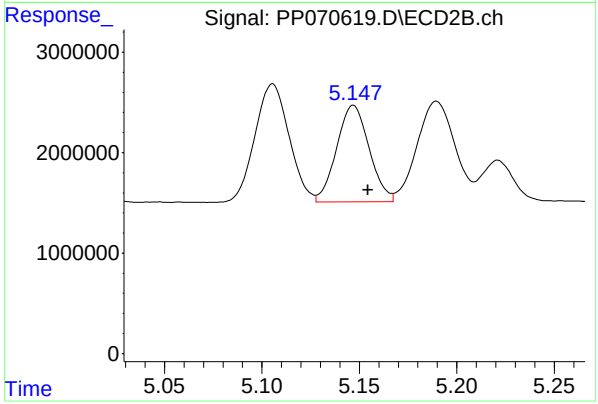
#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.008 min
Response: 14334334
Conc: 503.78 ng/ml



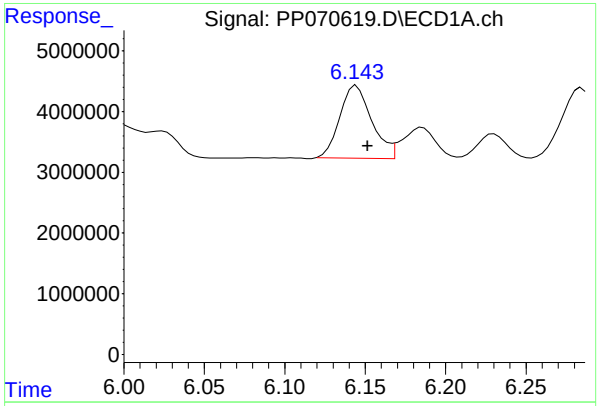
#6 AR-1016-4

R.T.: 5.852 min
Delta R.T.: -0.006 min
Response: 18818843
Conc: 482.07 ng/ml



#6 AR-1016-4

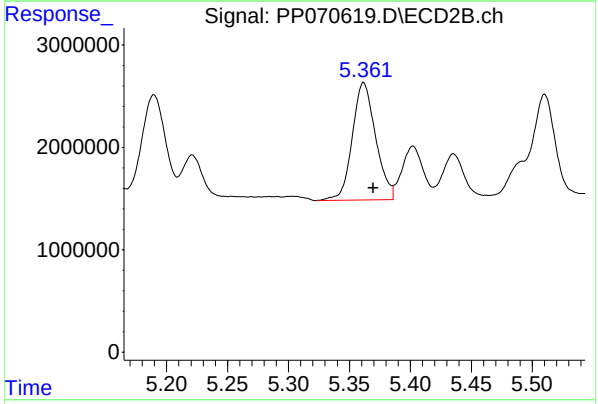
R.T.: 5.147 min
Delta R.T.: -0.008 min
Response: 11173641
Conc: 499.05 ng/ml



#7 AR-1016-5

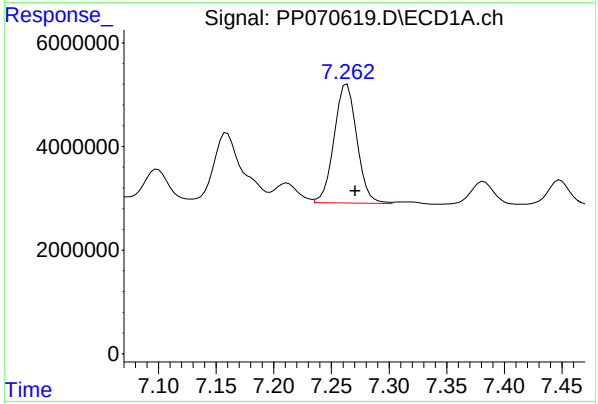
R.T.: 6.145 min
Delta R.T.: -0.007 min
Response: 16583903
Conc: 479.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



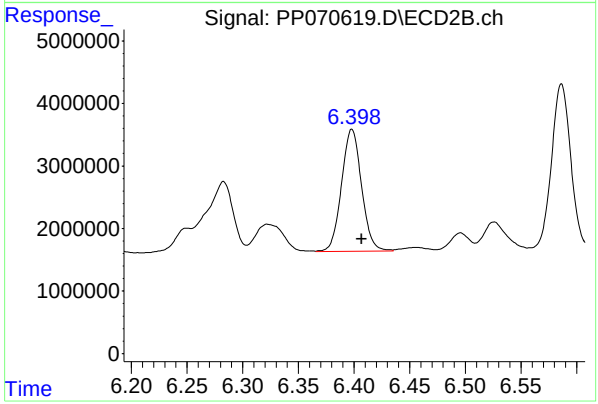
#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.008 min
Response: 15301507
Conc: 514.88 ng/ml



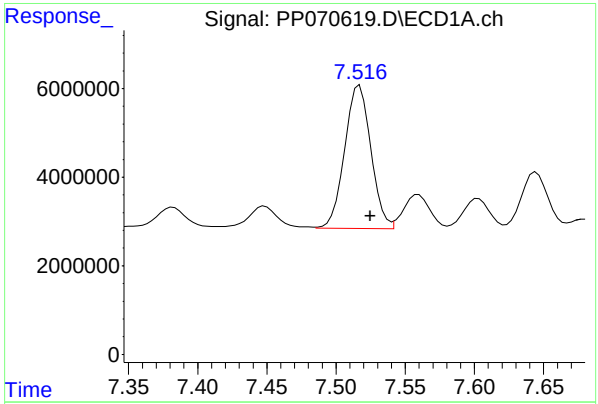
#31 AR-1260-1

R.T.: 7.263 min
Delta R.T.: -0.008 min
Response: 31298405
Conc: 532.85 ng/ml



#31 AR-1260-1

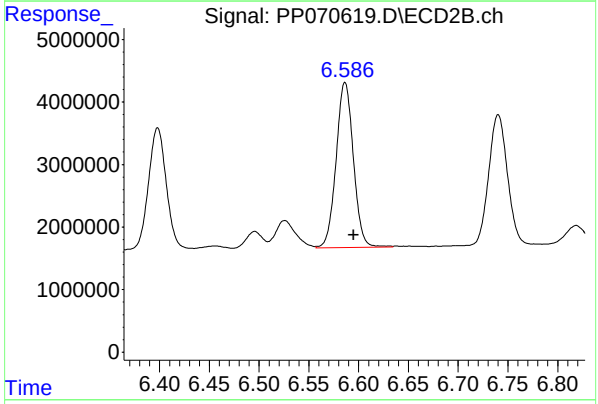
R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 24448763
Conc: 491.09 ng/ml



#32 AR-1260-2

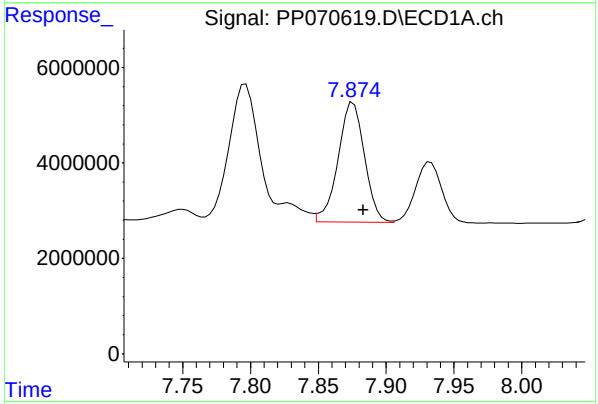
R.T.: 7.517 min
Delta R.T.: -0.008 mi
Response: 42591469
Conc: 519.14 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



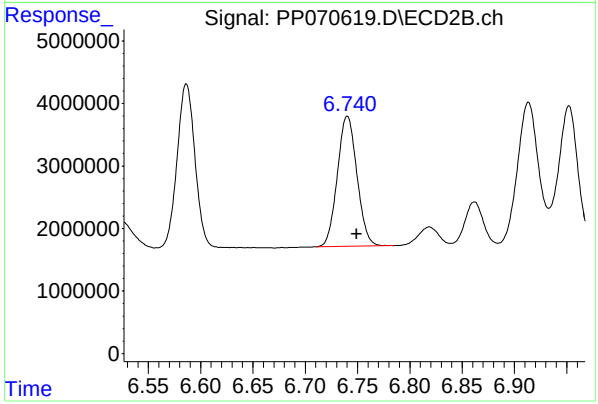
#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 32008003
Conc: 484.33 ng/ml



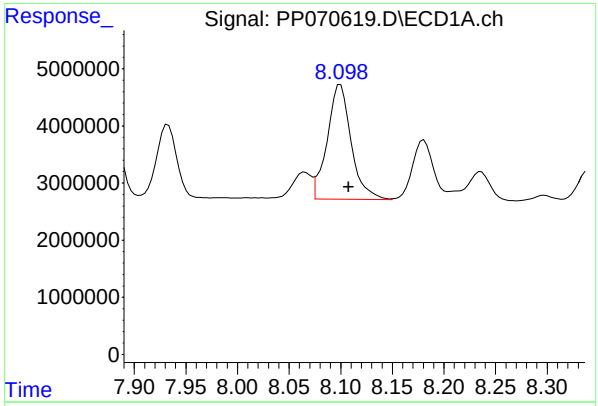
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 33955278
Conc: 516.37 ng/ml



#33 AR-1260-3

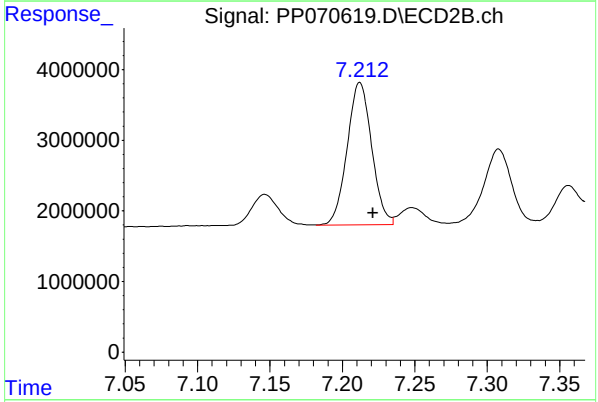
R.T.: 6.740 min
Delta R.T.: -0.009 min
Response: 27120540
Conc: 474.16 ng/ml



#34 AR-1260-4

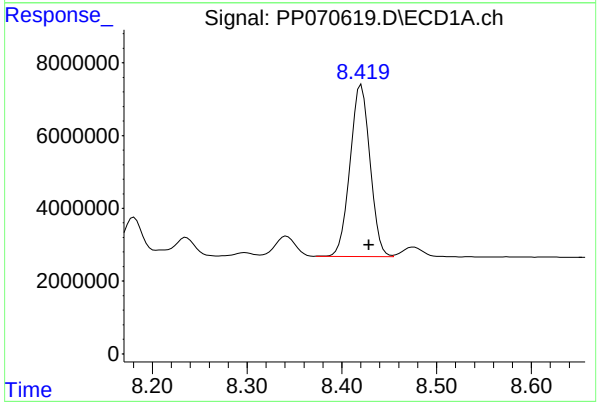
R.T.: 8.100 min
Delta R.T.: -0.008 min
Response: 32374957
Conc: 495.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



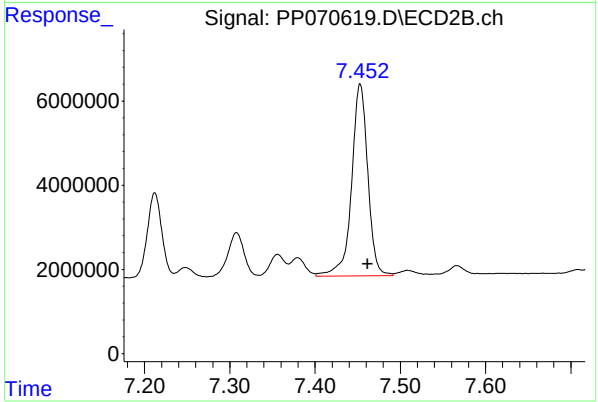
#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.009 min
Response: 23827515
Conc: 465.71 ng/ml



#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.008 min
Response: 69316362
Conc: 507.15 ng/ml



#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 60407460
Conc: 469.06 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 03:16 **Initial Calibration Time(s):** 15:13 23:38

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	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 03:16 **Initial Calibration Time(s):** 15:13 23:38

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	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070632.D **Time Analyzed:** 03:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.672	5.577	5.777	477.300	500.000	-4.5
Aroclor-1016-2	5.693	5.599	5.799	504.430	500.000	0.9
Aroclor-1016-3	5.756	5.661	5.861	489.900	500.000	-2.0
Aroclor-1016-4	5.853	5.758	5.958	485.900	500.000	-2.8
Aroclor-1016-5	6.146	6.051	6.251	473.720	500.000	-5.3
Aroclor-1260-1	7.264	7.171	7.371	516.310	500.000	3.3
Aroclor-1260-2	7.517	7.425	7.625	503.450	500.000	0.7
Aroclor-1260-3	7.876	7.783	7.983	500.910	500.000	0.2
Aroclor-1260-4	8.100	8.008	8.208	475.030	500.000	-5.0
Aroclor-1260-5	8.420	8.328	8.528	494.600	500.000	-1.1
Decachlorobiphenyl	10.239	10.152	10.352	49.060	50.000	-1.9
Tetrachloro-m-xylene	4.520	4.424	4.624	48.860	50.000	-2.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070632.D **Time Analyzed:** 03:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.910	4.817	5.017	496.870	500.000	-0.6
Aroclor-1016-2	4.929	4.836	5.036	485.020	500.000	-3.0
Aroclor-1016-3	5.106	5.013	5.213	493.700	500.000	-1.3
Aroclor-1016-4	5.147	5.054	5.254	491.490	500.000	-1.7
Aroclor-1016-5	5.362	5.270	5.470	528.450	500.000	5.7
Aroclor-1260-1	6.398	6.307	6.507	484.870	500.000	-3.0
Aroclor-1260-2	6.586	6.495	6.695	472.970	500.000	-5.4
Aroclor-1260-3	6.740	6.649	6.849	467.550	500.000	-6.5
Aroclor-1260-4	7.212	7.121	7.321	445.750	500.000	-10.9
Aroclor-1260-5	7.452	7.362	7.562	445.710	500.000	-10.9
Decachlorobiphenyl	8.869	8.781	8.981	45.550	50.000	-8.9
Tetrachloro-m-xylene	3.823	3.729	3.929	50.770	50.000	1.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 03:16
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: Mar 18 06:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	75988306	50883384	48.855	50.768
2)	SA Decachlor...	10.239	8.869	52120578	44568570	49.062	45.554
	Target Compounds						
3)	L1 AR-1016-1	5.672	4.910	24748763	17863738	477.304	496.870
4)	L1 AR-1016-2	5.693	4.929	36089670	25204914	504.434	485.021
5)	L1 AR-1016-3	5.756	5.106	22308945	14047328	489.898	493.696
6)	L1 AR-1016-4	5.853	5.147	18968312	11004411	485.896	491.490
7)	L1 AR-1016-5	6.146	5.362	16401125	15704865	473.720	528.447
31)	L7 AR-1260-1	7.264	6.398	30326852	24138773	516.305	484.866
32)	L7 AR-1260-2	7.517	6.586	41304205	31257171	503.446	472.967
33)	L7 AR-1260-3	7.876	6.740	32938653	26742640	500.910	467.550
34)	L7 AR-1260-4	8.100	7.212	31039461	22806183	475.025	445.751
35)	L7 AR-1260-5	8.420	7.452	67601004	57401276	494.602	445.713

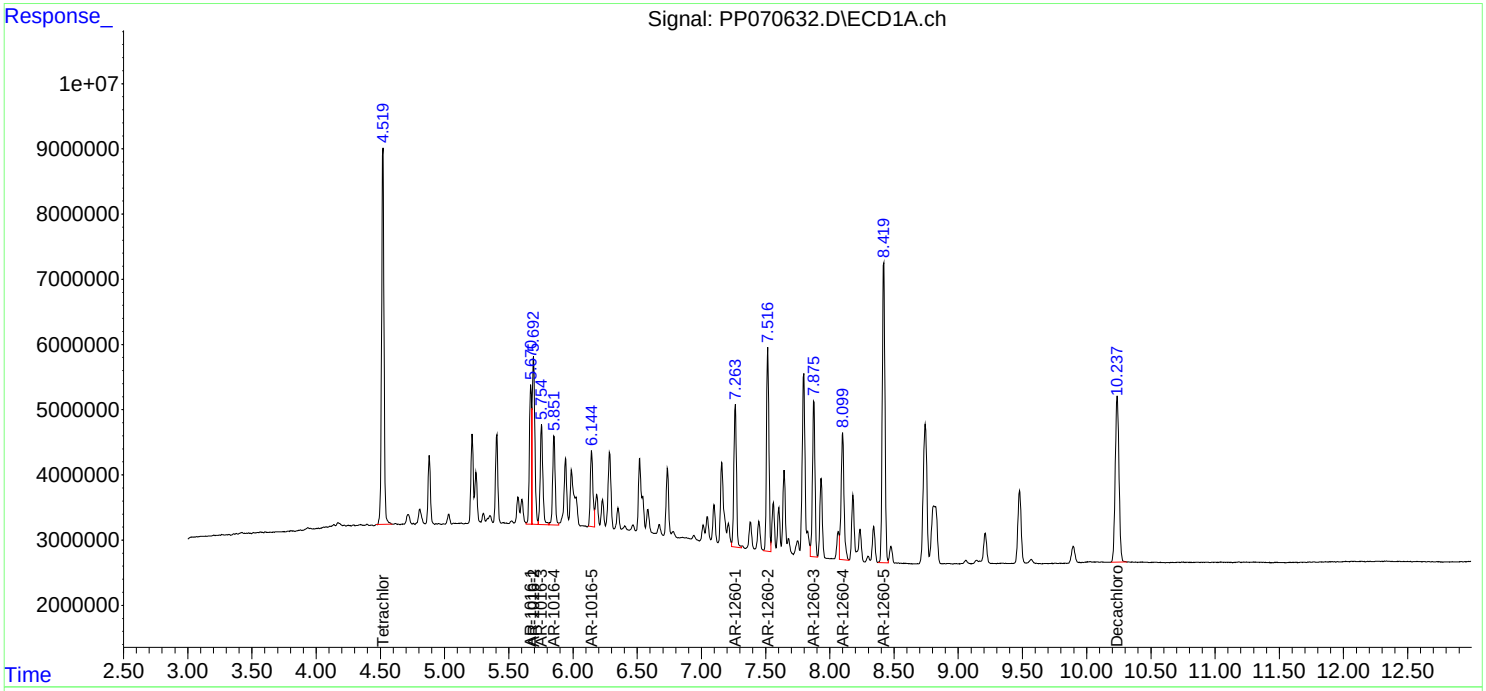
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

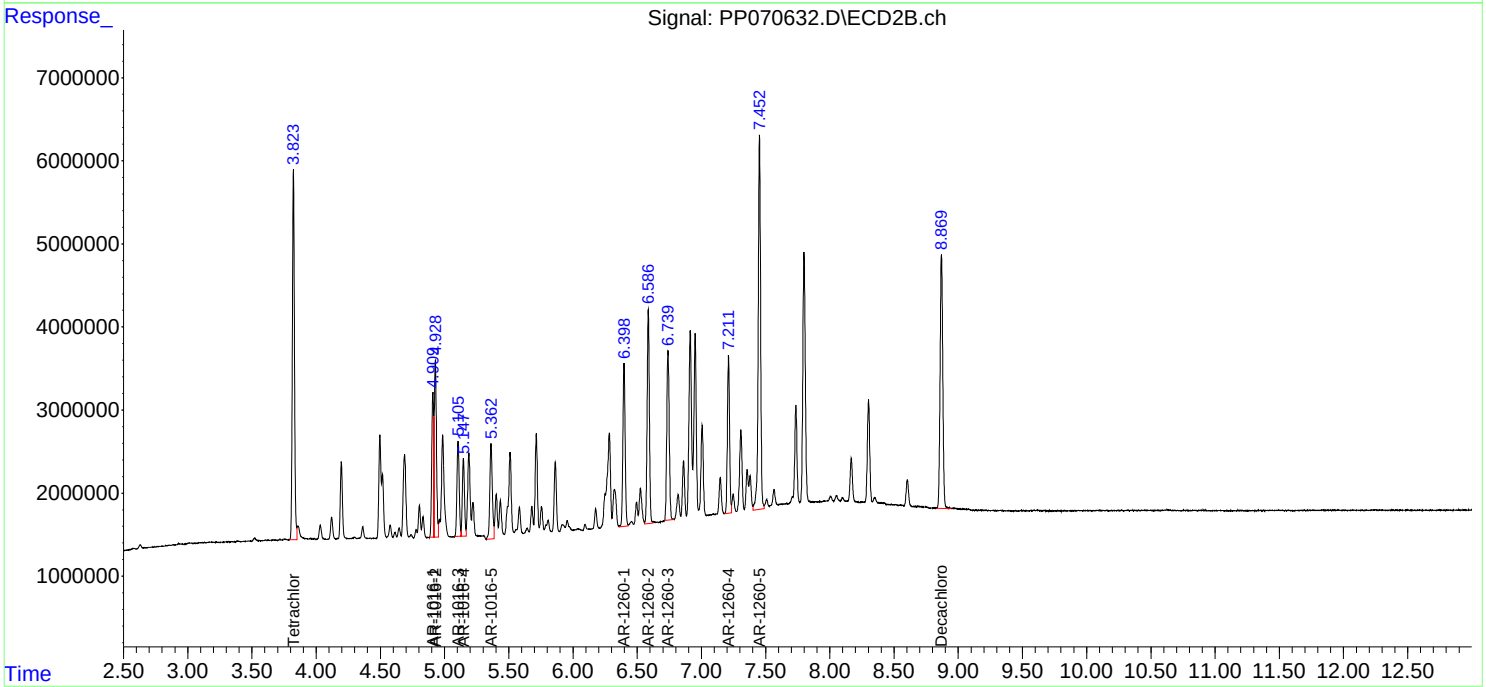
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 03:16
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

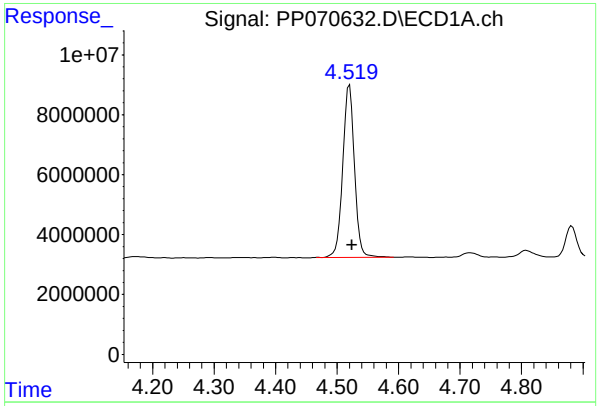
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



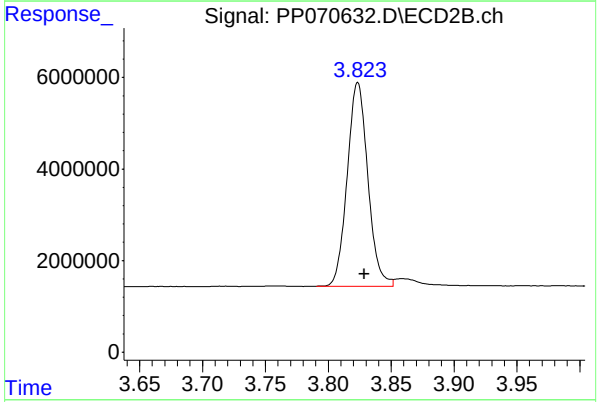




#1 Tetrachloro-m-xylene

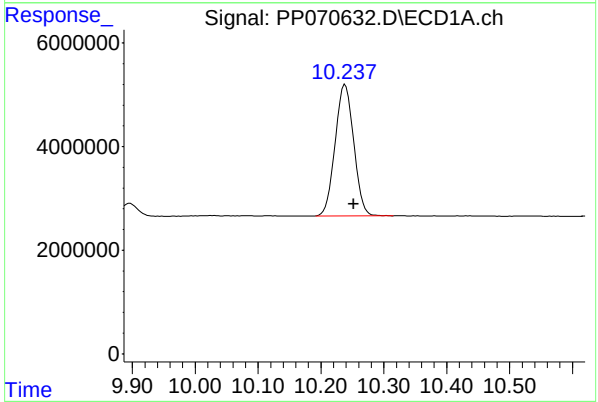
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 75988306
Conc: 48.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



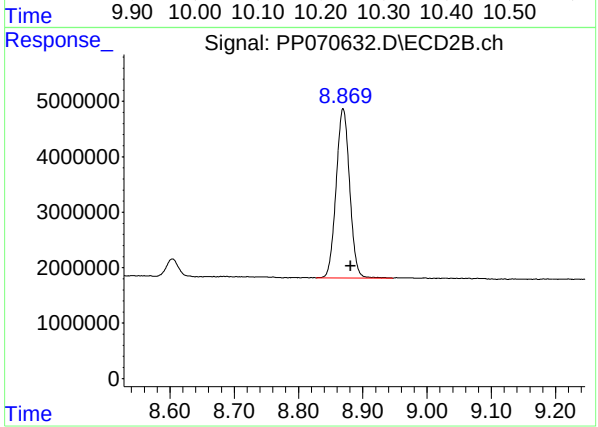
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 50883384
Conc: 50.77 ng/ml



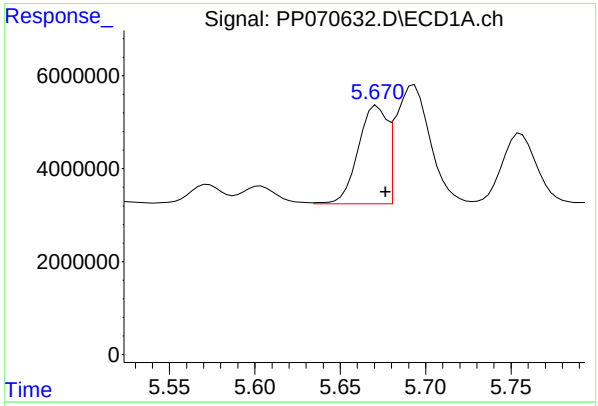
#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 52120578
Conc: 49.06 ng/ml



#2 Decachlorobiphenyl

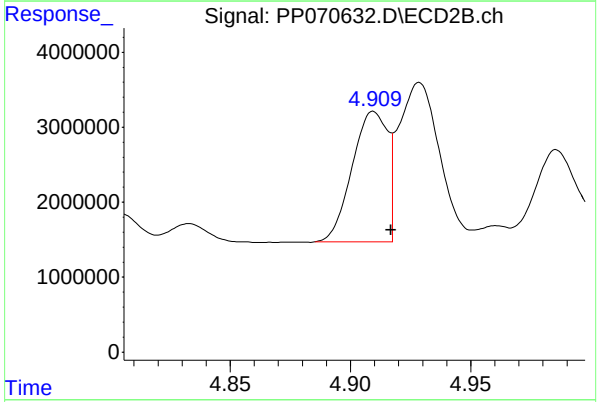
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 44568570
Conc: 45.55 ng/ml



#3 AR-1016-1

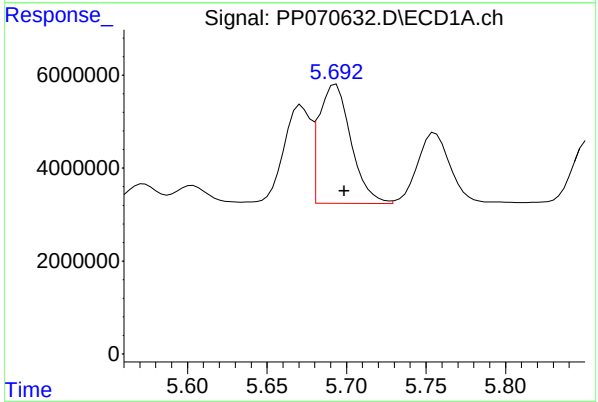
R.T.: 5.672 min
Delta R.T.: -0.005 min
Response: 24748763
Conc: 477.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



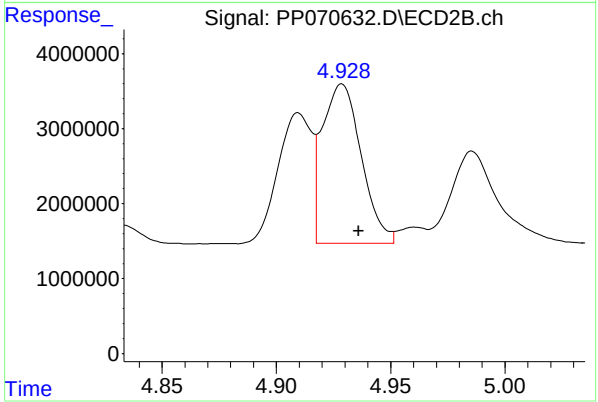
#3 AR-1016-1

R.T.: 4.910 min
Delta R.T.: -0.007 min
Response: 17863738
Conc: 496.87 ng/ml



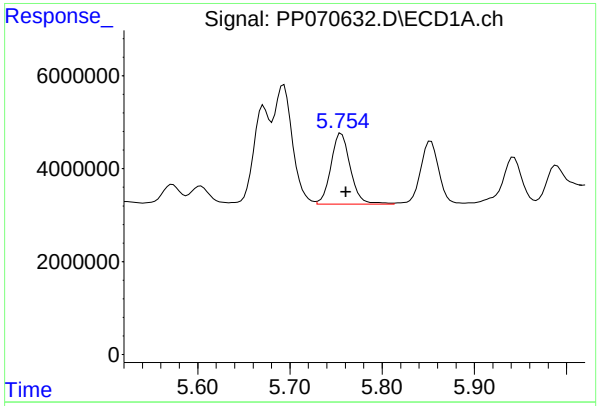
#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: -0.005 min
Response: 36089670
Conc: 504.43 ng/ml



#4 AR-1016-2

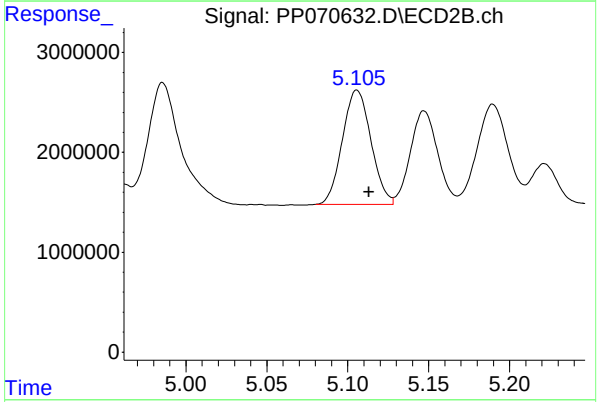
R.T.: 4.929 min
Delta R.T.: -0.007 min
Response: 25204914
Conc: 485.02 ng/ml



#5 AR-1016-3

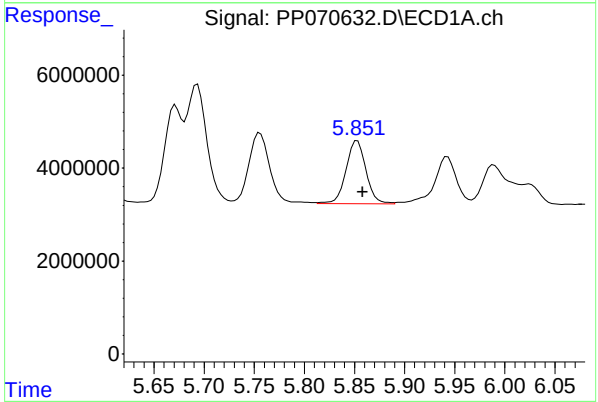
R.T.: 5.756 min
Delta R.T.: -0.005 min
Response: 22308945
Conc: 489.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



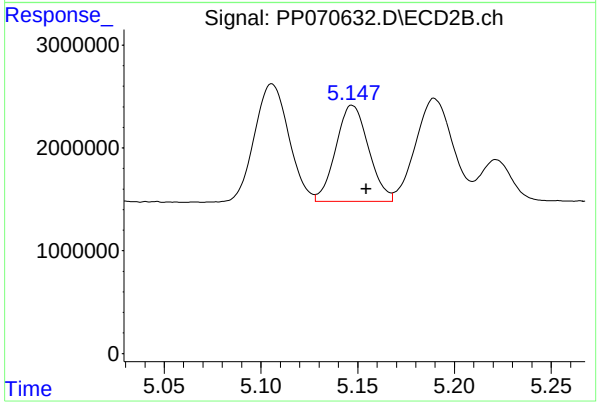
#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.007 min
Response: 14047328
Conc: 493.70 ng/ml



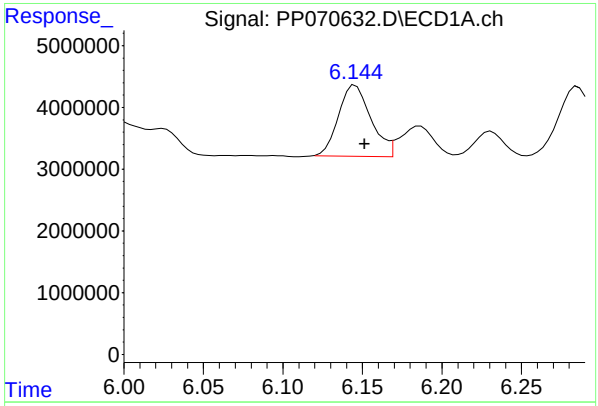
#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 18968312
Conc: 485.90 ng/ml



#6 AR-1016-4

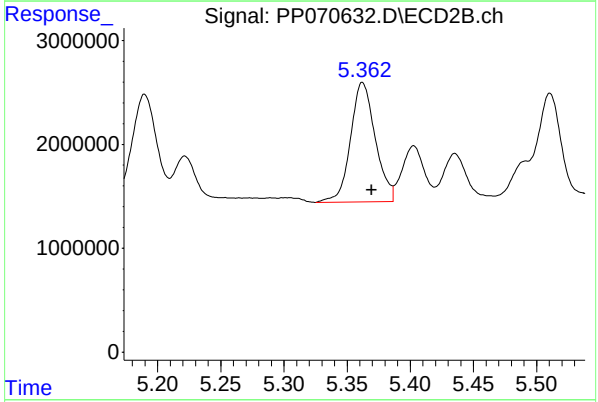
R.T.: 5.147 min
Delta R.T.: -0.007 min
Response: 11004411
Conc: 491.49 ng/ml



#7 AR-1016-5

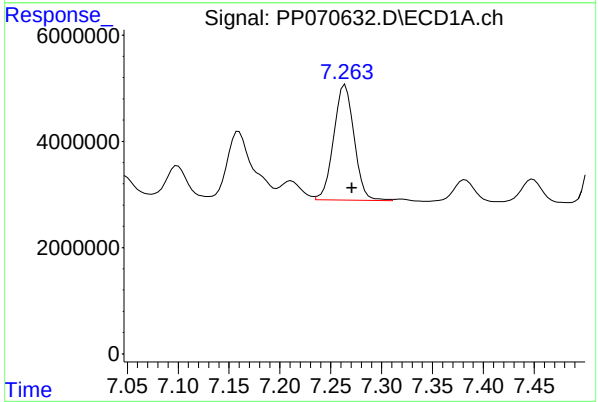
R.T.: 6.146 min
Delta R.T.: -0.006 min
Response: 16401125
Conc: 473.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



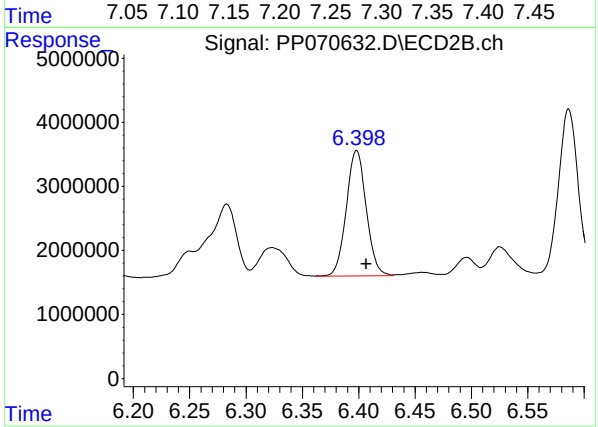
#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.007 min
Response: 15704865
Conc: 528.45 ng/ml



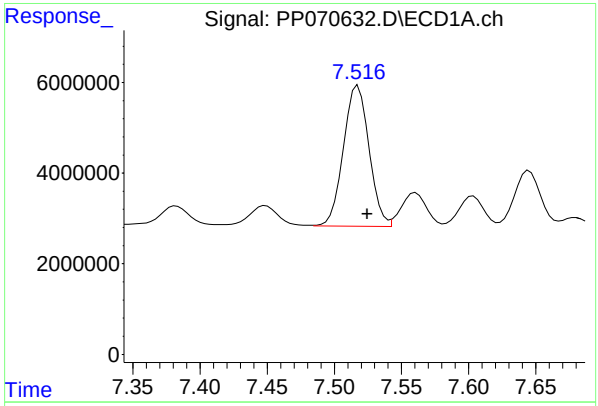
#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 30326852
Conc: 516.31 ng/ml



#31 AR-1260-1

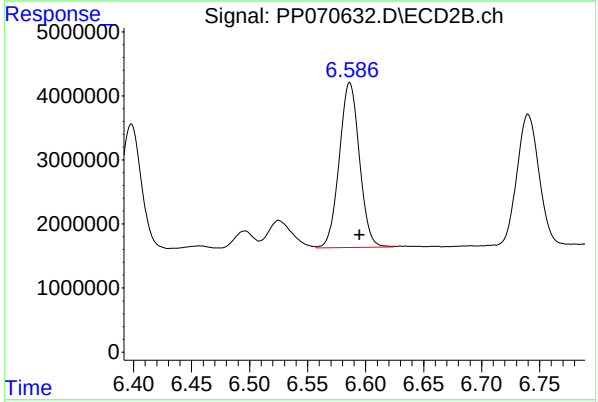
R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 24138773
Conc: 484.87 ng/ml



#32 AR-1260-2

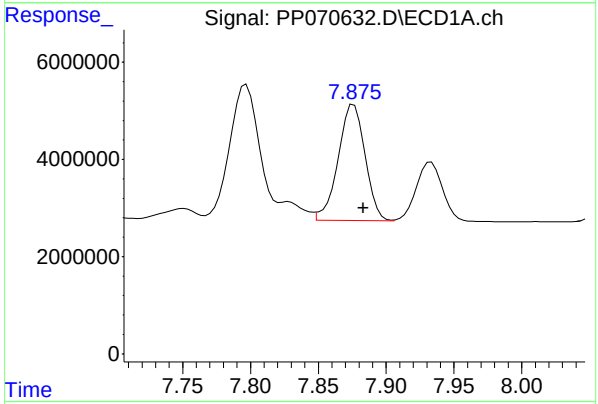
R.T.: 7.517 min
Delta R.T.: -0.007 min
Response: 41304205
Conc: 503.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



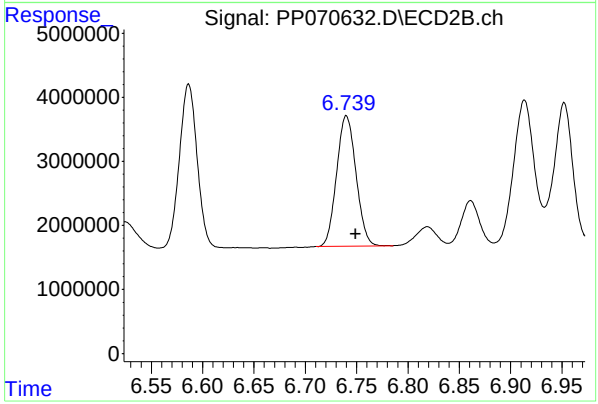
#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 31257171
Conc: 472.97 ng/ml



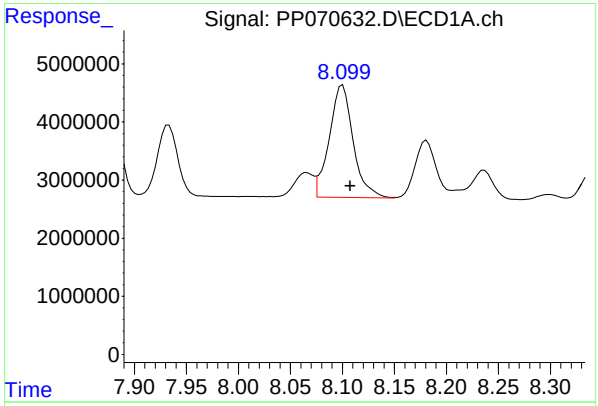
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 32938653
Conc: 500.91 ng/ml



#33 AR-1260-3

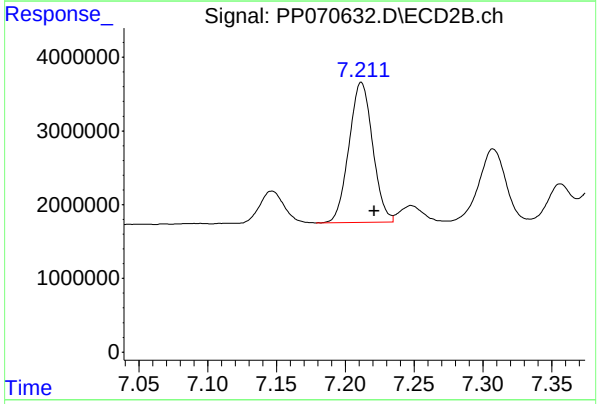
R.T.: 6.740 min
Delta R.T.: -0.009 min
Response: 26742640
Conc: 467.55 ng/ml



#34 AR-1260-4

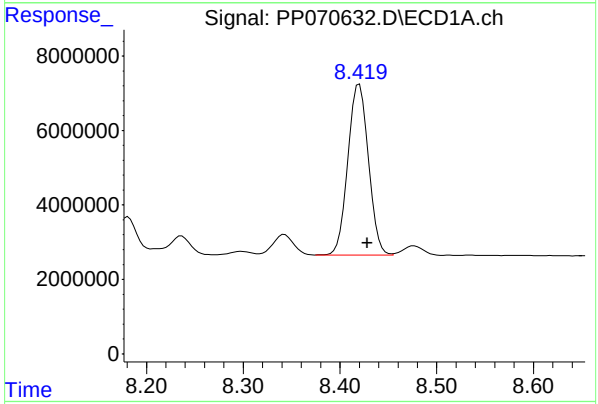
R.T.: 8.100 min
Delta R.T.: -0.007 min
Response: 31039461
Conc: 475.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



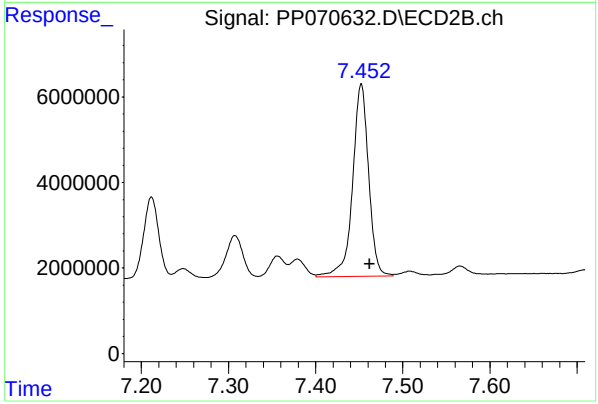
#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.009 min
Response: 22806183
Conc: 445.75 ng/ml



#35 AR-1260-5

R.T.: 8.420 min
Delta R.T.: -0.008 min
Response: 67601004
Conc: 494.60 ng/ml



#35 AR-1260-5

R.T.: 7.452 min
Delta R.T.: -0.009 min
Response: 57401276
Conc: 445.71 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 08:04 **Initial Calibration Time(s):** 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 08:04 **Initial Calibration Time(s):** 15:13 23:38

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	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070638.D **Time Analyzed:** 08:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.577	5.777	491.070	500.000	-1.8
Aroclor-1016-2	5.697	5.599	5.799	526.430	500.000	5.3
Aroclor-1016-3	5.759	5.661	5.861	500.210	500.000	0.0
Aroclor-1016-4	5.857	5.758	5.958	501.550	500.000	0.3
Aroclor-1016-5	6.149	6.051	6.251	507.300	500.000	1.5
Aroclor-1260-1	7.268	7.171	7.371	540.250	500.000	8.1
Aroclor-1260-2	7.521	7.425	7.625	544.090	500.000	8.8
Aroclor-1260-3	7.880	7.783	7.983	538.320	500.000	7.7
Aroclor-1260-4	8.104	8.008	8.208	509.930	500.000	2.0
Aroclor-1260-5	8.425	8.328	8.528	516.460	500.000	3.3
Decachlorobiphenyl	10.245	10.152	10.352	52.050	50.000	4.1
Tetrachloro-m-xylene	4.523	4.424	4.624	51.150	50.000	2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070638.D **Time Analyzed:** 08:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	517.050	500.000	3.4
Aroclor-1016-2	4.930	4.836	5.036	504.670	500.000	0.9
Aroclor-1016-3	5.107	5.013	5.213	516.450	500.000	3.3
Aroclor-1016-4	5.149	5.054	5.254	505.300	500.000	1.1
Aroclor-1016-5	5.364	5.270	5.470	587.100	500.000	17.4
Aroclor-1260-1	6.399	6.307	6.507	504.340	500.000	0.9
Aroclor-1260-2	6.588	6.495	6.695	502.900	500.000	0.6
Aroclor-1260-3	6.741	6.649	6.849	478.330	500.000	-4.3
Aroclor-1260-4	7.213	7.121	7.321	474.490	500.000	-5.1
Aroclor-1260-5	7.454	7.362	7.562	490.680	500.000	-1.9
Decachlorobiphenyl	8.870	8.781	8.981	49.050	50.000	-1.9
Tetrachloro-m-xylene	3.825	3.729	3.929	49.410	50.000	-1.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:04
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: Mar 19 01:15:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.523	3.825	79561834	49525997	51.153	49.413
2)	SA Decachlor...	10.245	8.870	55293010	47993160	52.048	49.055
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.912	25462595	18589142	491.071	517.047
4)	L1 AR-1016-2	5.697	4.930	37663393	26225875	526.431	504.667
5)	L1 AR-1016-3	5.759	5.107	22778454	14694812	500.208	516.452
6)	L1 AR-1016-4	5.857	5.149	19579219	11313578	501.545	505.298
7)	L1 AR-1016-5	6.149	5.364	17563643	17447844	507.297	587.096
31)	L7 AR-1260-1	7.268	6.399	31733107	25108122	540.246	504.337
32)	L7 AR-1260-2	7.521	6.588	44638455	33235119	544.086	502.896
33)	L7 AR-1260-3	7.880	6.741	35398772	27359384	538.322	478.333
34)	L7 AR-1260-4	8.104	7.213	33320397	24276736	509.932	474.493
35)	L7 AR-1260-5	8.425	7.454	70587971	63192606	516.456	490.682

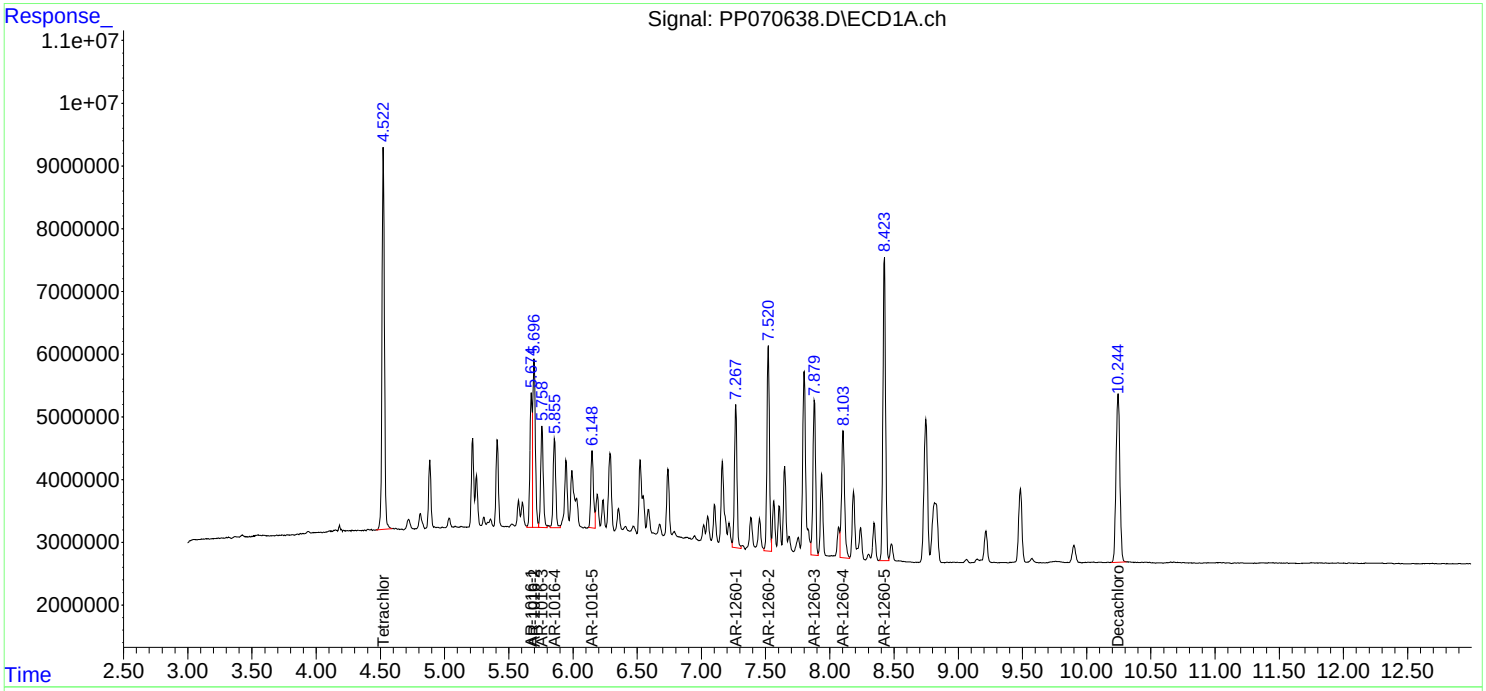
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

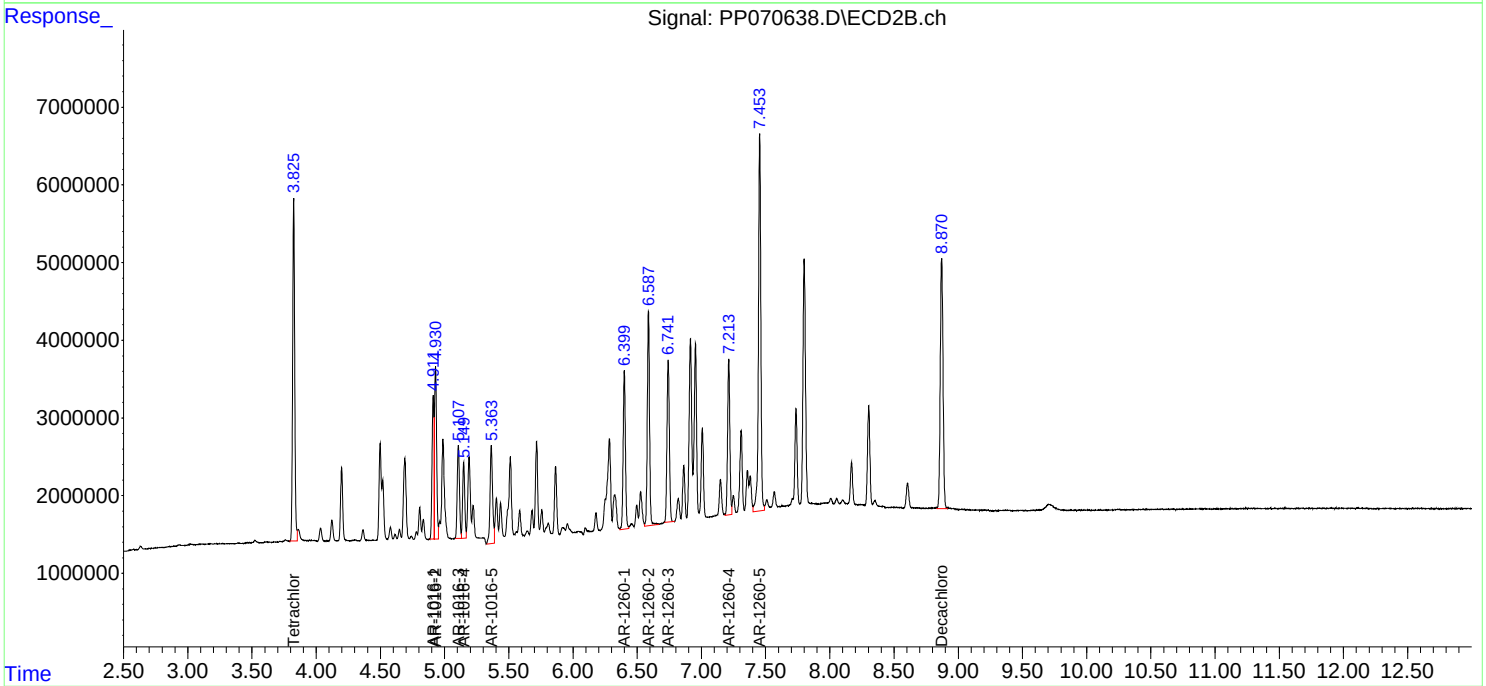
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

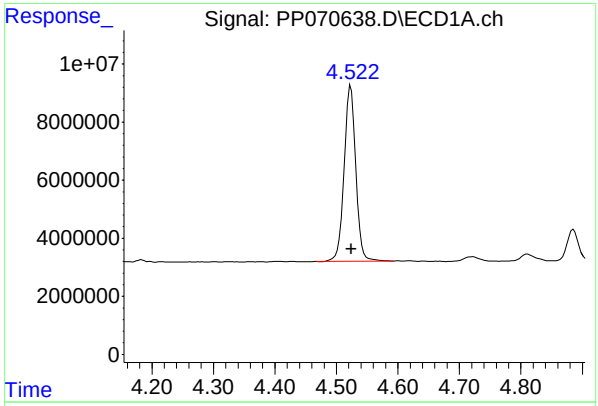
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:15:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



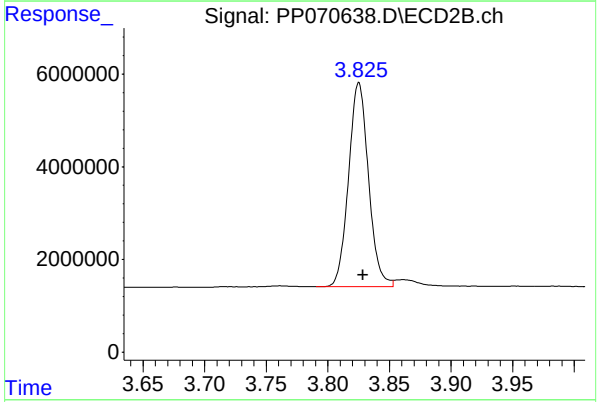




#1 Tetrachloro-m-xylene

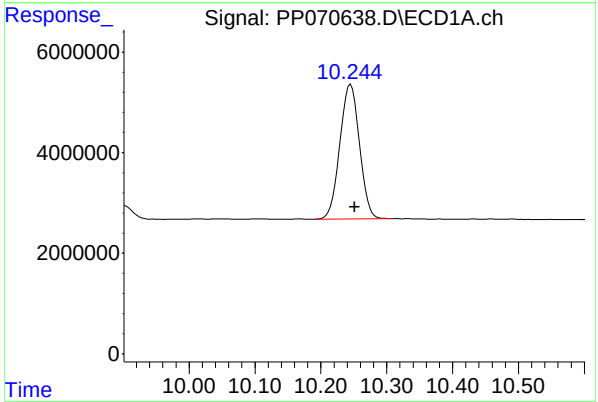
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 79561834
Conc: 51.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



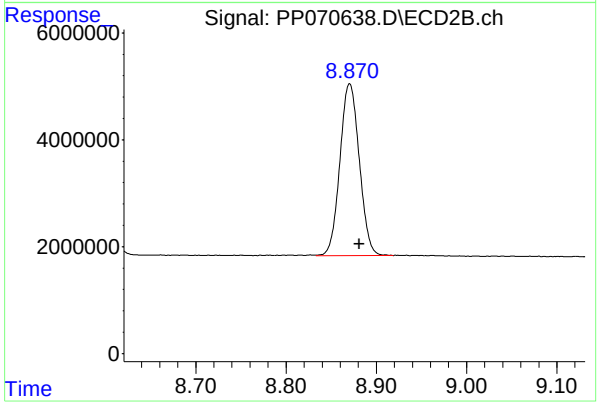
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 49525997
Conc: 49.41 ng/ml



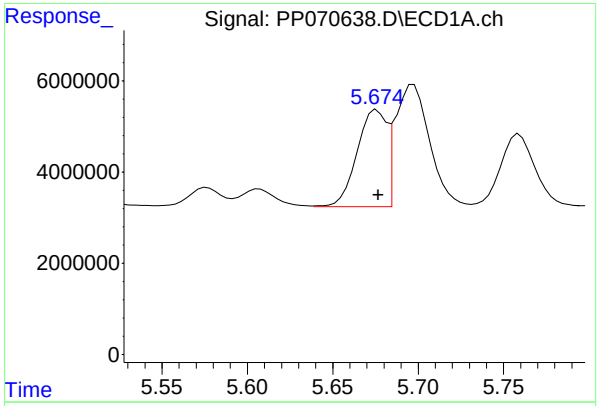
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 55293010
Conc: 52.05 ng/ml



#2 Decachlorobiphenyl

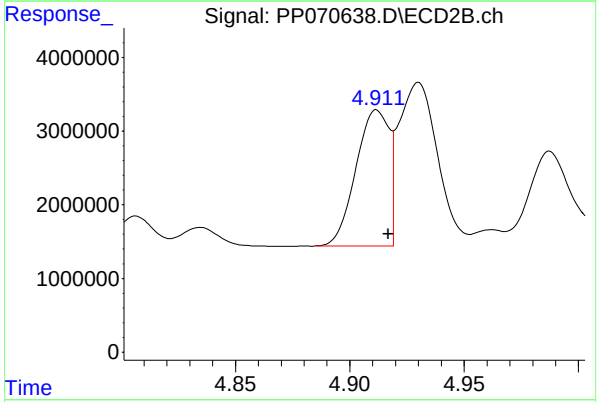
R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 47993160
Conc: 49.05 ng/ml



#3 AR-1016-1

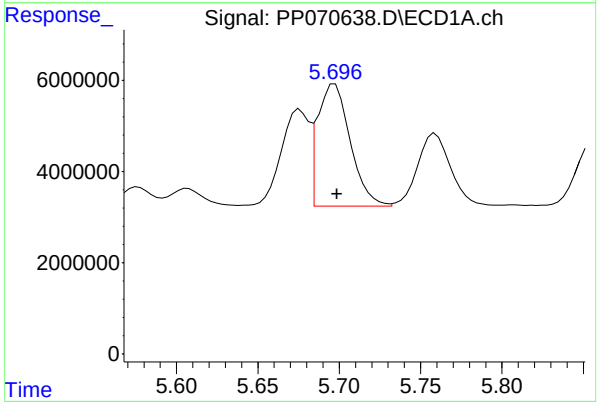
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 25462595
Conc: 491.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



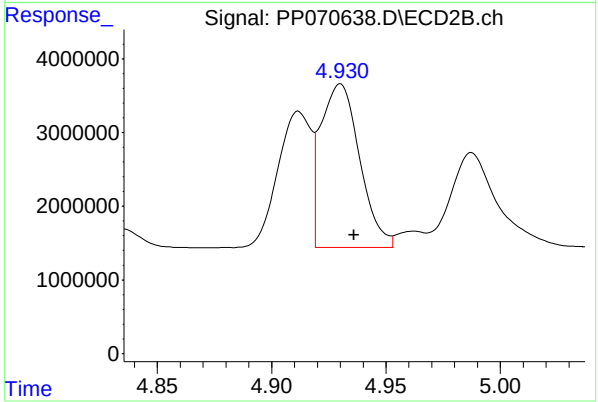
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18589142
Conc: 517.05 ng/ml



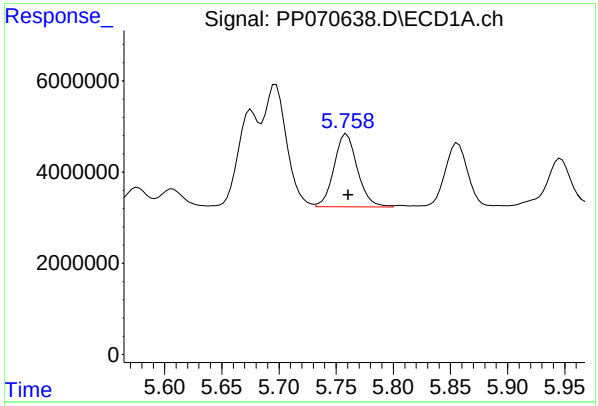
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 37663393
Conc: 526.43 ng/ml



#4 AR-1016-2

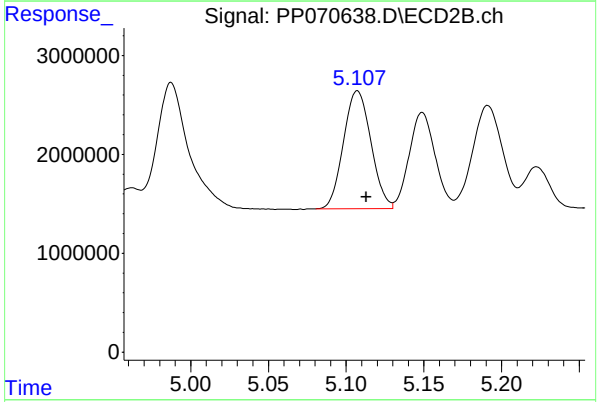
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 26225875
Conc: 504.67 ng/ml



#5 AR-1016-3

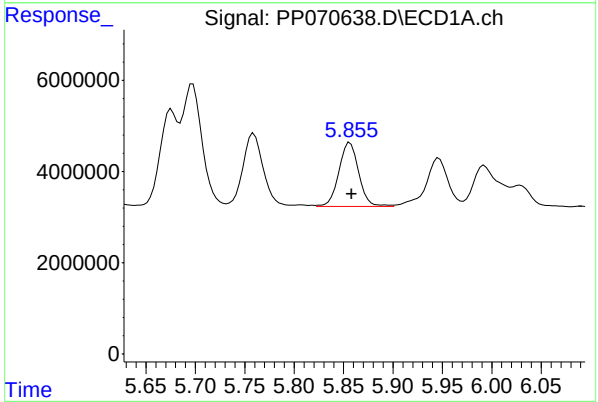
R.T.: 5.759 min
Delta R.T.: -0.002 min
Response: 22778454
Conc: 500.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



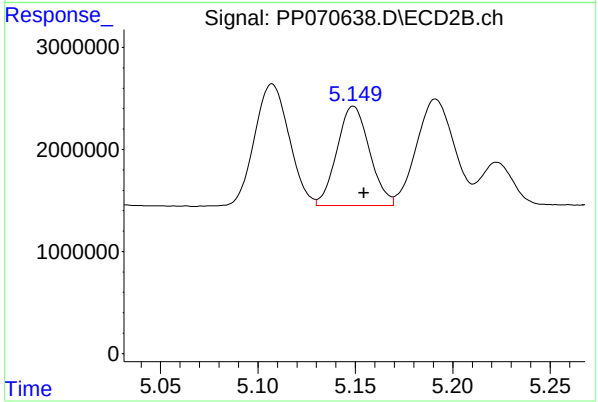
#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14694812
Conc: 516.45 ng/ml



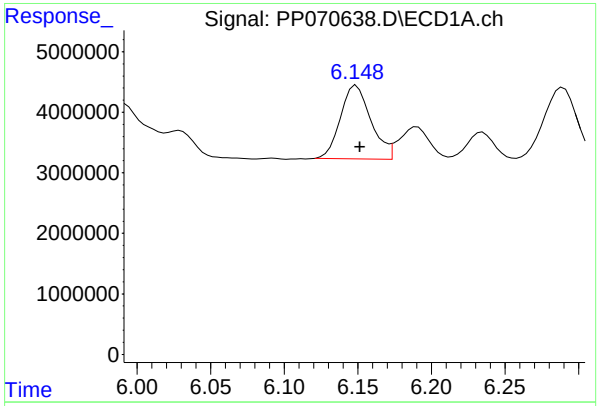
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 19579219
Conc: 501.55 ng/ml



#6 AR-1016-4

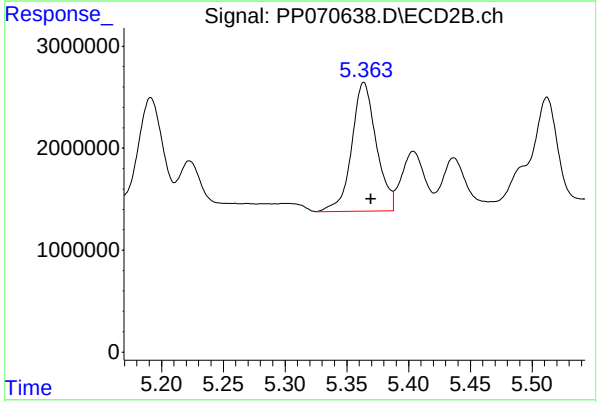
R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 11313578
Conc: 505.30 ng/ml



#7 AR-1016-5

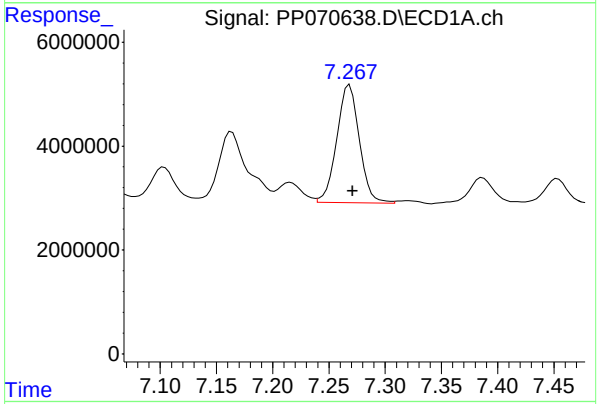
R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 17563643
Conc: 507.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



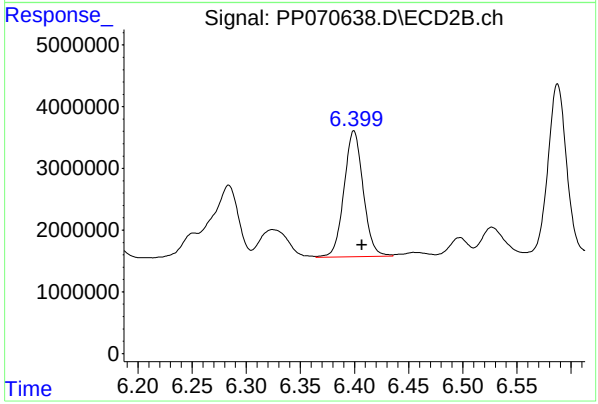
#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 17447844
Conc: 587.10 ng/ml



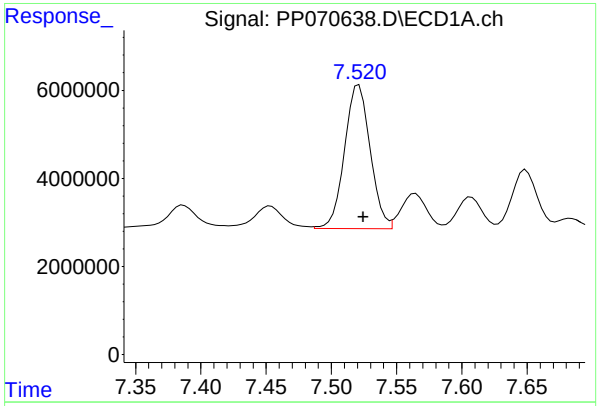
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 31733107
Conc: 540.25 ng/ml



#31 AR-1260-1

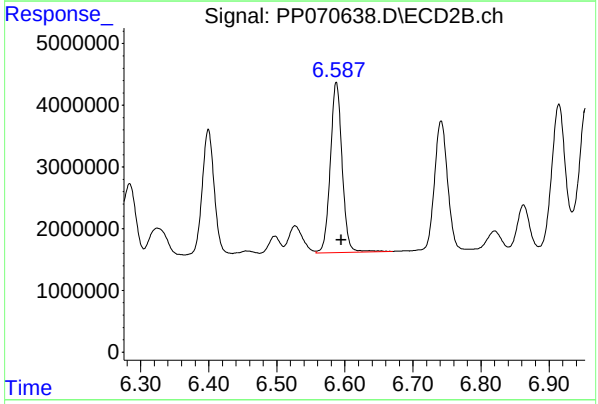
R.T.: 6.399 min
Delta R.T.: -0.007 min
Response: 25108122
Conc: 504.34 ng/ml



#32 AR-1260-2

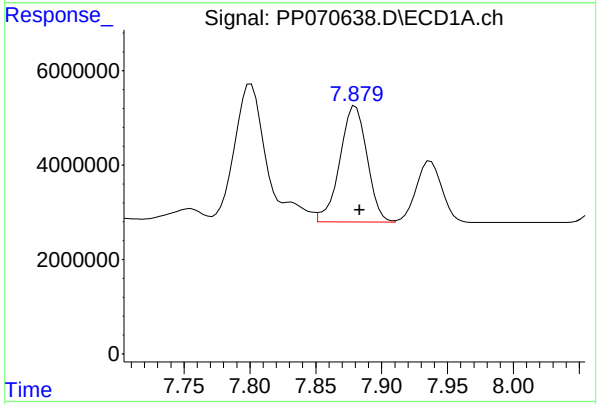
R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 44638455
Conc: 544.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



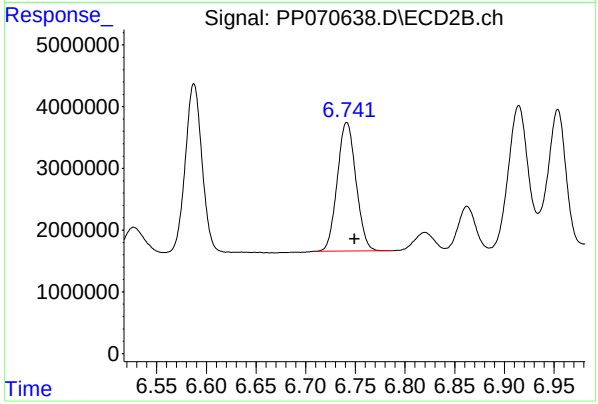
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 33235119
Conc: 502.90 ng/ml



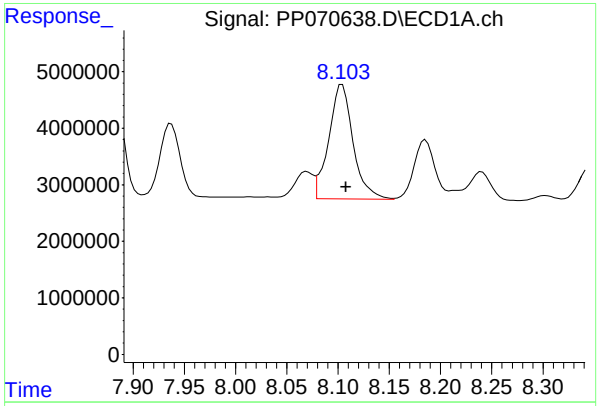
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 35398772
Conc: 538.32 ng/ml



#33 AR-1260-3

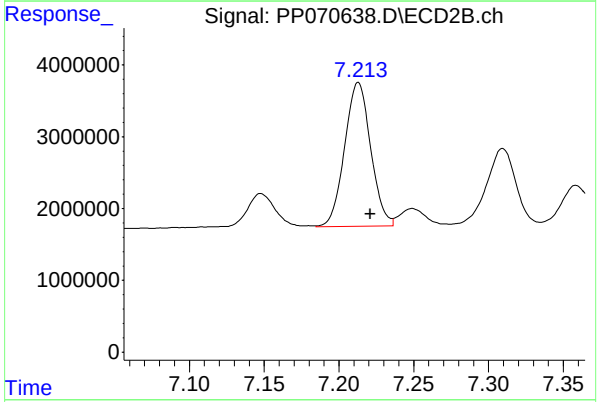
R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 27359384
Conc: 478.33 ng/ml



#34 AR-1260-4

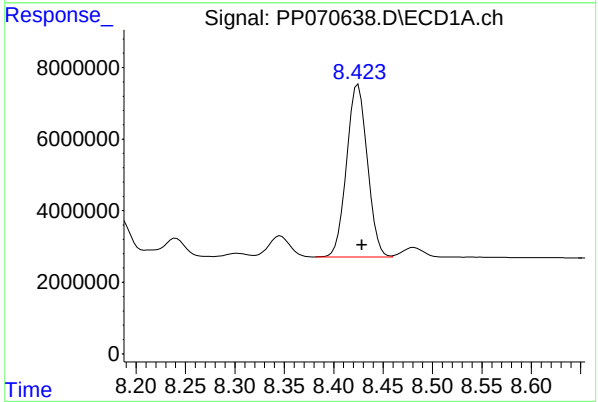
R.T.: 8.104 min
Delta R.T.: -0.004 min
Response: 33320397
Conc: 509.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



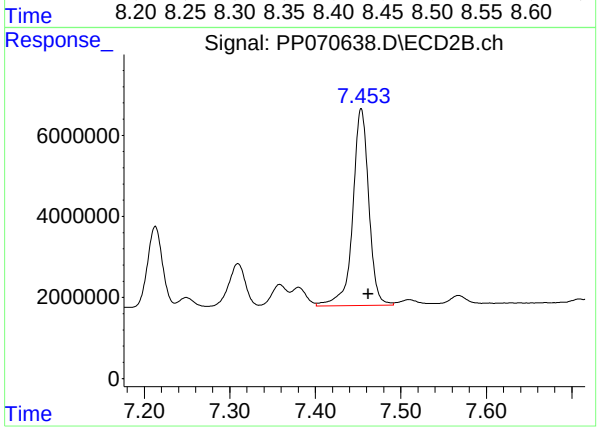
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 24276736
Conc: 474.49 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 70587971
Conc: 516.46 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 63192606
Conc: 490.68 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 11:19 **Initial Calibration Time(s):** 15:13 23:38

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	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 11:19 **Initial Calibration Time(s):** 15:13 23:38

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	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL06 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070647.D **Time Analyzed:** 11:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.672	5.577	5.777	475.020	500.000	-5.0
Aroclor-1016-2	5.694	5.599	5.799	517.610	500.000	3.5
Aroclor-1016-3	5.756	5.661	5.861	490.300	500.000	-1.9
Aroclor-1016-4	5.853	5.758	5.958	476.340	500.000	-4.7
Aroclor-1016-5	6.146	6.051	6.251	499.370	500.000	-0.1
Aroclor-1260-1	7.264	7.171	7.371	569.940	500.000	14.0
Aroclor-1260-2	7.518	7.425	7.625	541.090	500.000	8.2
Aroclor-1260-3	7.876	7.783	7.983	533.210	500.000	6.6
Aroclor-1260-4	8.101	8.008	8.208	506.300	500.000	1.3
Aroclor-1260-5	8.421	8.328	8.528	514.580	500.000	2.9
Decachlorobiphenyl	10.238	10.152	10.352	50.900	50.000	1.8
Tetrachloro-m-xylene	4.521	4.424	4.624	49.830	50.000	-0.3

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL06 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070647.D **Time Analyzed:** 11:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.909	4.817	5.017	493.750	500.000	-1.3
Aroclor-1016-2	4.928	4.836	5.036	487.120	500.000	-2.6
Aroclor-1016-3	5.105	5.013	5.213	490.310	500.000	-1.9
Aroclor-1016-4	5.147	5.054	5.254	481.210	500.000	-3.8
Aroclor-1016-5	5.361	5.270	5.470	508.140	500.000	1.6
Aroclor-1260-1	6.398	6.307	6.507	511.740	500.000	2.3
Aroclor-1260-2	6.585	6.495	6.695	490.830	500.000	-1.8
Aroclor-1260-3	6.739	6.649	6.849	476.910	500.000	-4.6
Aroclor-1260-4	7.211	7.121	7.321	466.460	500.000	-6.7
Aroclor-1260-5	7.452	7.362	7.562	462.540	500.000	-7.5
Decachlorobiphenyl	8.868	8.781	8.981	47.240	50.000	-5.5
Tetrachloro-m-xylene	3.823	3.729	3.929	50.280	50.000	0.6

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

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 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	77505097	50397214	49.830	50.283
2)	SA Decachlor...	10.238	8.868	54070749	46219599	50.898	47.242
	Target Compounds						
3)	L1 AR-1016-1	5.672	4.909	24630575	17751419	475.024	493.746
4)	L1 AR-1016-2	5.694	4.928	37032597	25314090	517.614	487.122
5)	L1 AR-1016-3	5.756	5.105	22327366	13951100	490.303	490.314
6)	L1 AR-1016-4	5.853	5.147	18595371	10774180	476.343	481.207
7)	L1 AR-1016-5	6.146	5.361	17289083	15101211	499.367	508.135m
31)	L7 AR-1260-1	7.264	6.398	33477094	25476571	569.937	511.738
32)	L7 AR-1260-2	7.518	6.585	44392277	32437993	541.085	490.834
33)	L7 AR-1260-3	7.876	6.739	35062904	27278204	533.214	476.914
34)	L7 AR-1260-4	8.101	7.211	33083330	23865946	506.304	466.464
35)	L7 AR-1260-5	8.421	7.452	70331248	59568206	514.578	462.539

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

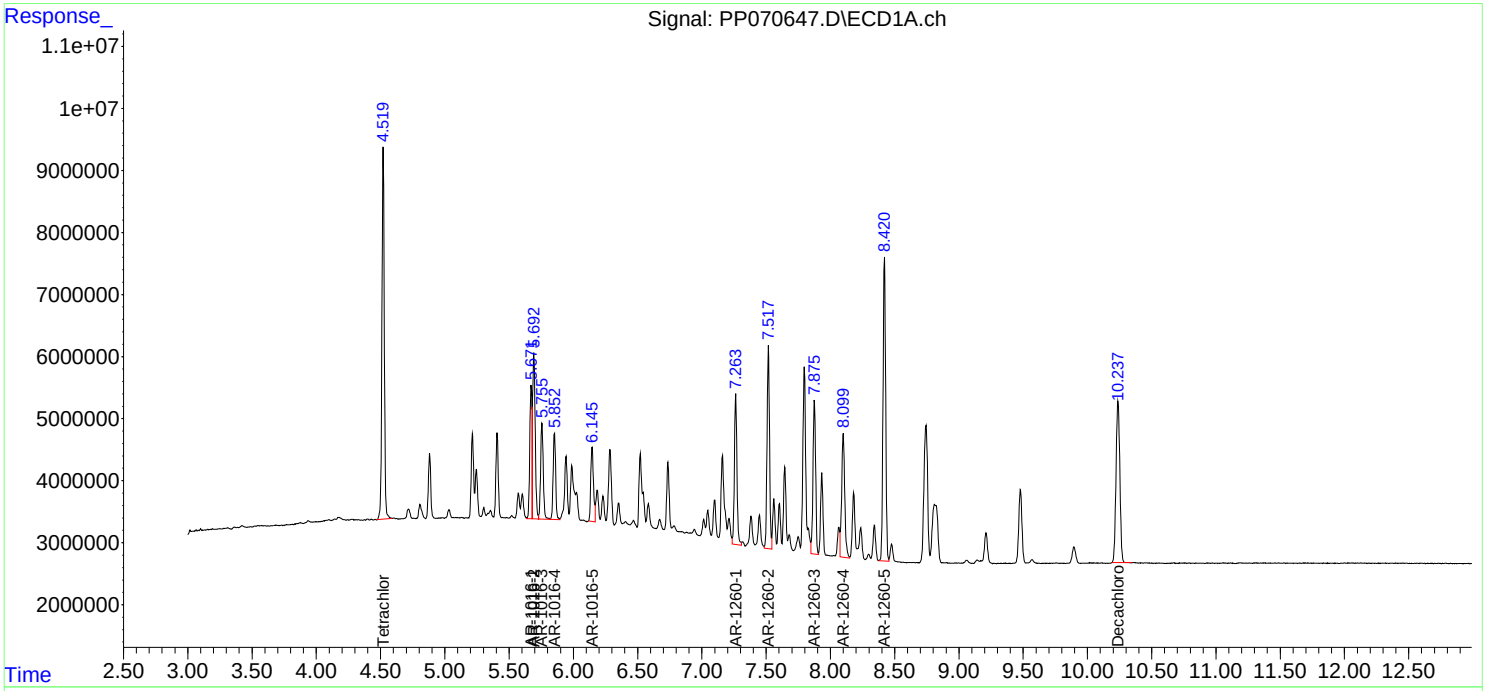
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

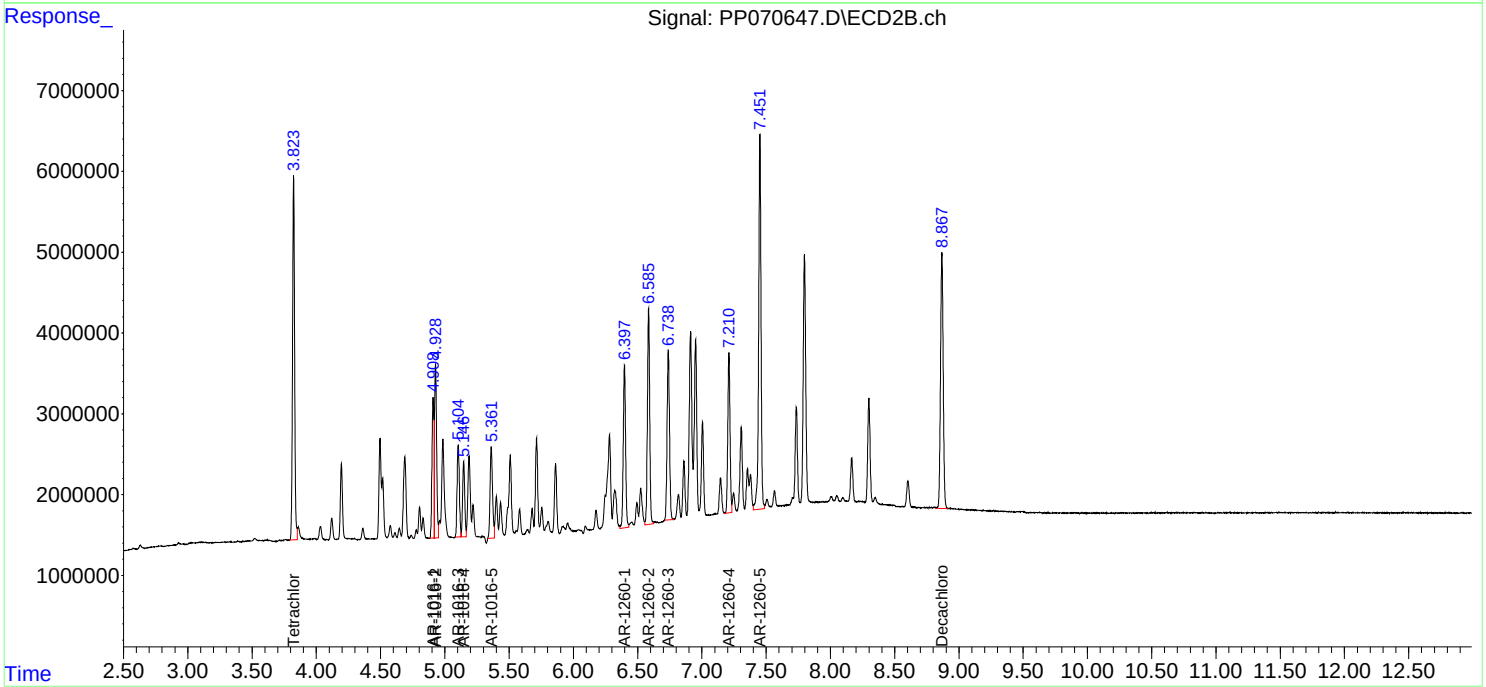
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

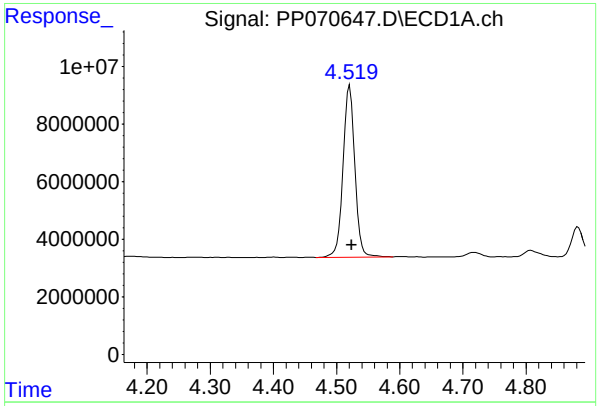
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







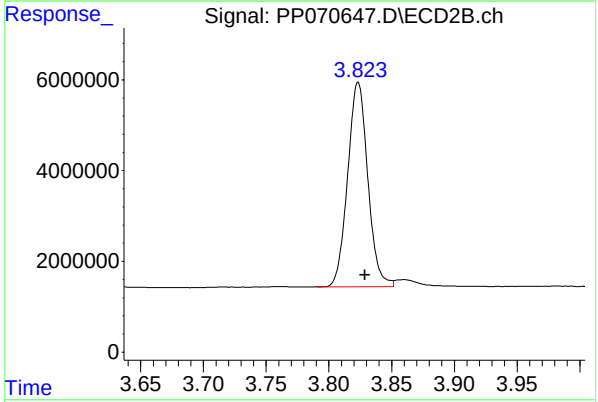
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 77505097
Conc: 49.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

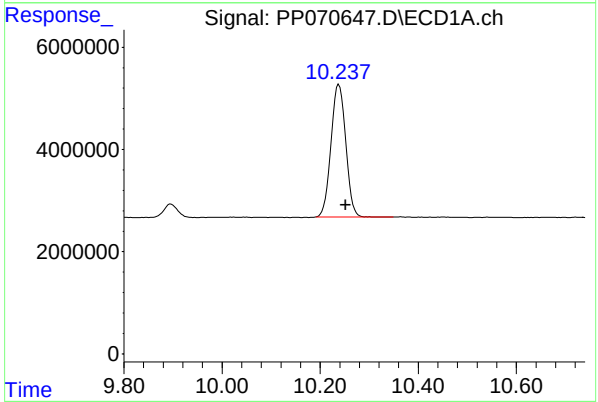
Manual Integrations APPROVED

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



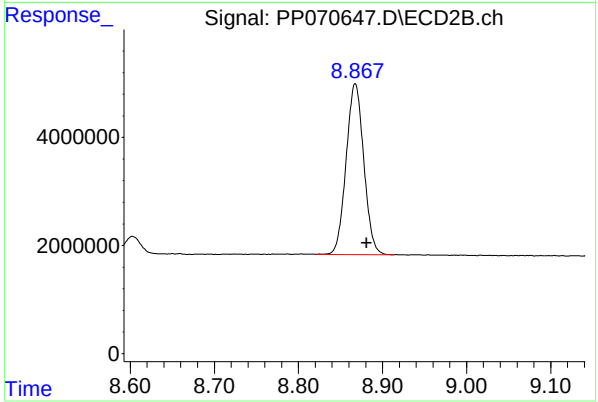
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 50397214
Conc: 50.28 ng/ml



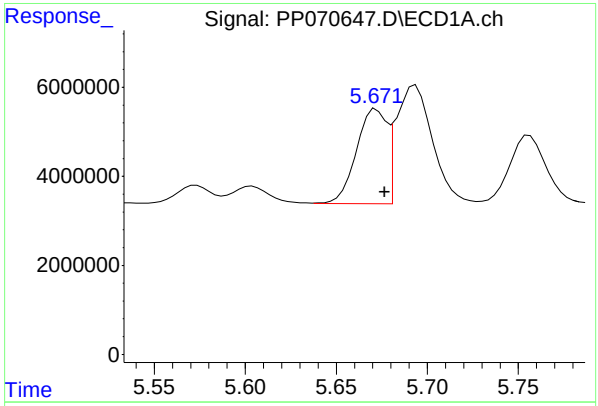
#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 54070749
Conc: 50.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 46219599
Conc: 47.24 ng/ml



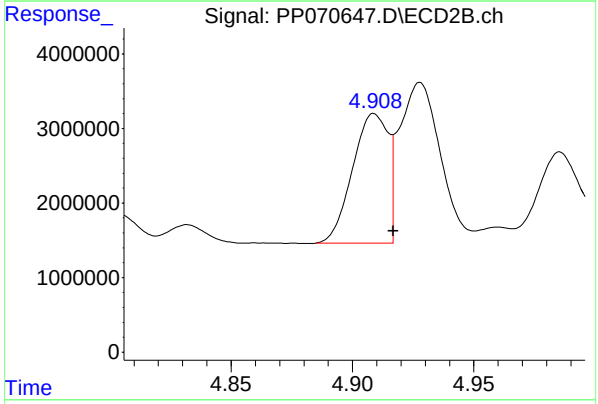
#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 24630575
Conc: 475.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

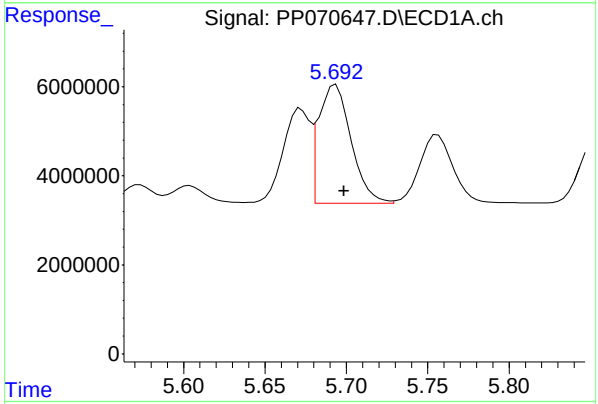
Manual Integrations
APPROVED

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



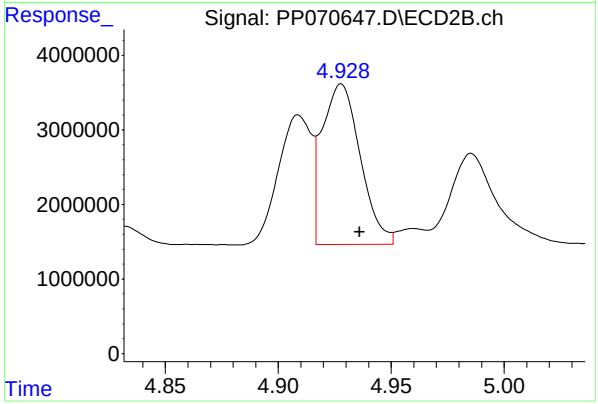
#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.008 min
Response: 17751419
Conc: 493.75 ng/ml



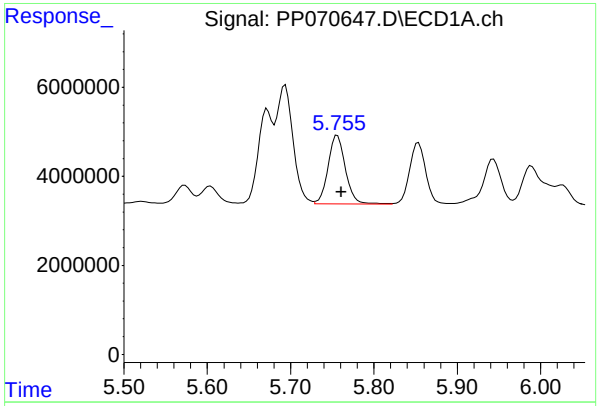
#4 AR-1016-2

R.T.: 5.694 min
Delta R.T.: -0.005 min
Response: 37032597
Conc: 517.61 ng/ml



#4 AR-1016-2

R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 25314090
Conc: 487.12 ng/ml



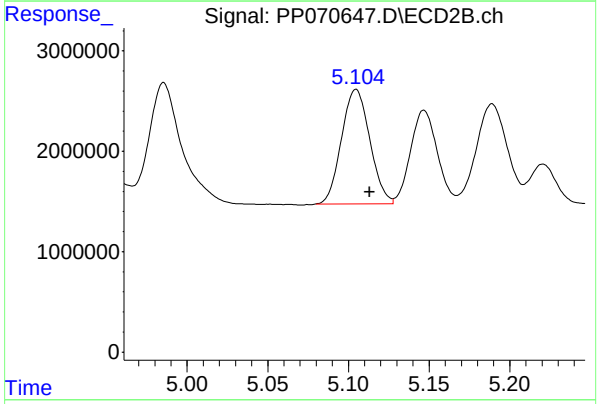
#5 AR-1016-3

R.T.: 5.756 min
Delta R.T.: -0.005 min
Response: 22327366
Conc: 490.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

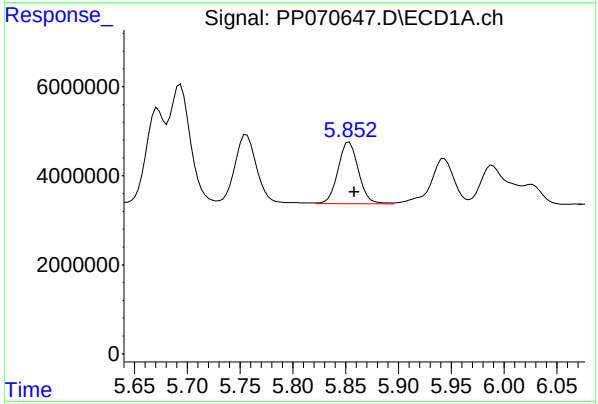
Manual Integrations APPROVED

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



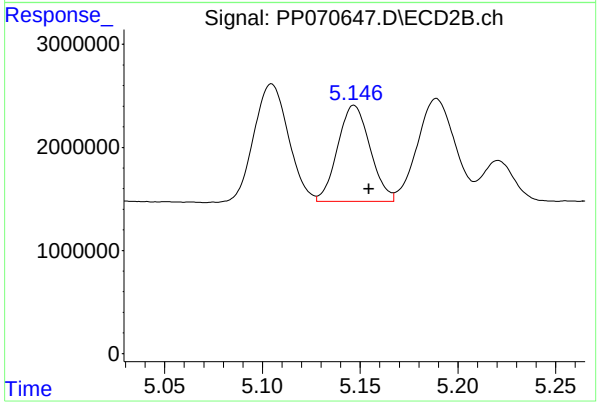
#5 AR-1016-3

R.T.: 5.105 min
Delta R.T.: -0.008 min
Response: 13951100
Conc: 490.31 ng/ml



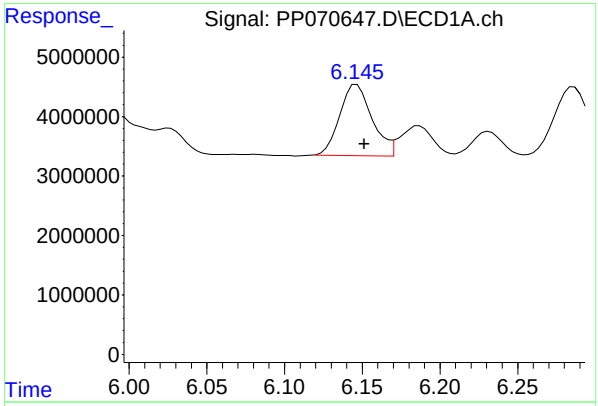
#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 18595371
Conc: 476.34 ng/ml



#6 AR-1016-4

R.T.: 5.147 min
Delta R.T.: -0.008 min
Response: 10774180
Conc: 481.21 ng/ml



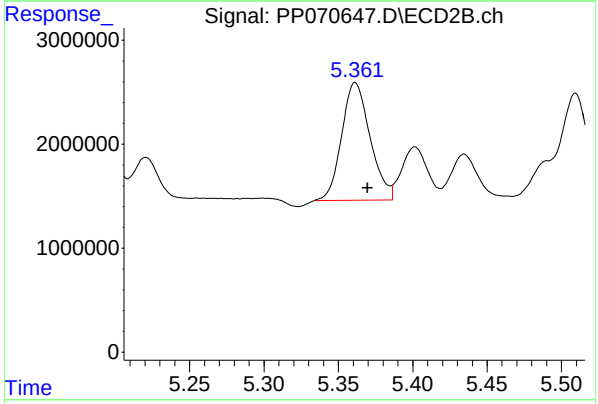
#7 AR-1016-5

R.T.: 6.146 min
Delta R.T.: -0.005 min
Response: 17289083
Conc: 499.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

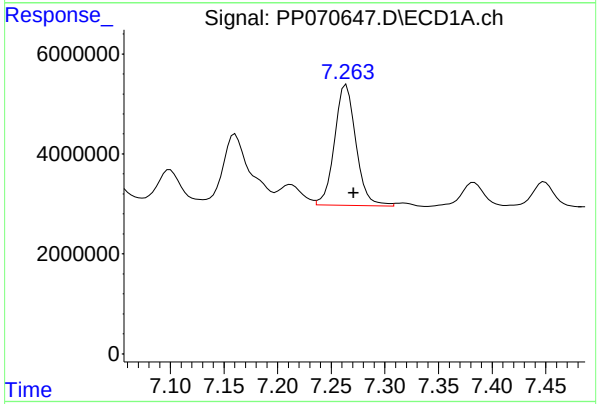
Manual Integrations APPROVED

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



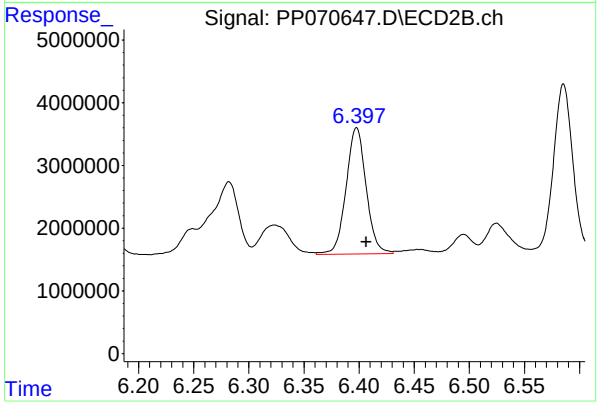
#7 AR-1016-5

R.T.: 5.361 min
Delta R.T.: -0.009 min
Response: 15101211
Conc: 508.14 ng/ml m



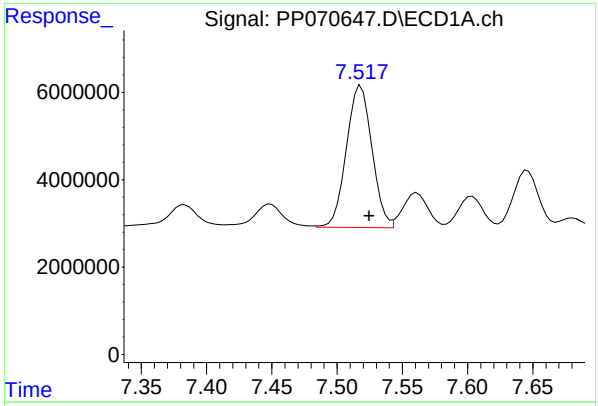
#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 33477094
Conc: 569.94 ng/ml



#31 AR-1260-1

R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 25476571
Conc: 511.74 ng/ml



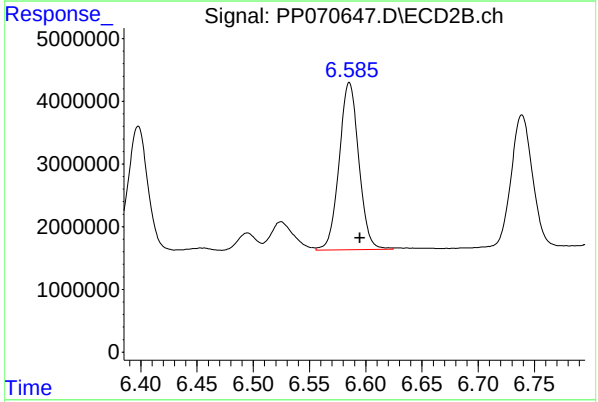
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.006 mi
Response: 44392277
Conc: 541.09 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

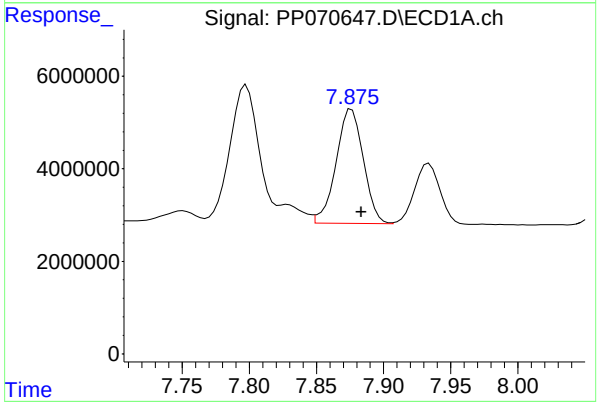
Manual Integrations APPROVED

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



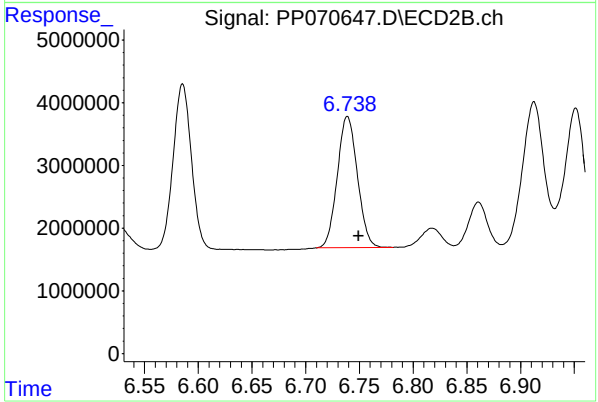
#32 AR-1260-2

R.T.: 6.585 min
Delta R.T.: -0.009 min
Response: 32437993
Conc: 490.83 ng/ml



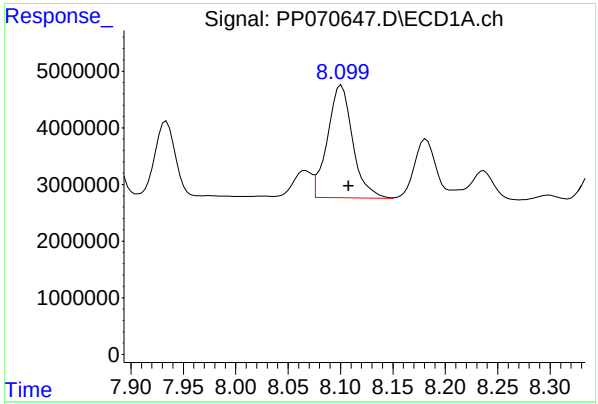
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 35062904
Conc: 533.21 ng/ml



#33 AR-1260-3

R.T.: 6.739 min
Delta R.T.: -0.010 min
Response: 27278204
Conc: 476.91 ng/ml



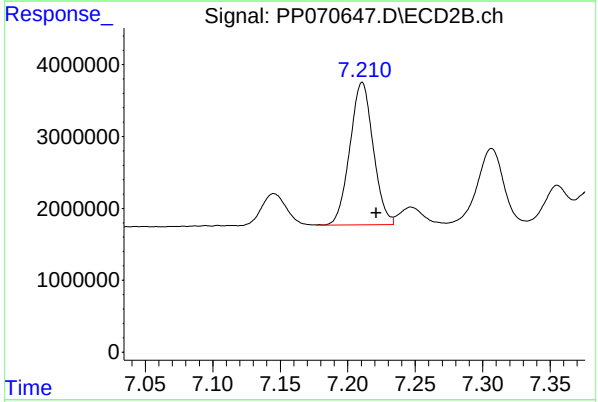
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 33083330
Conc: 506.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

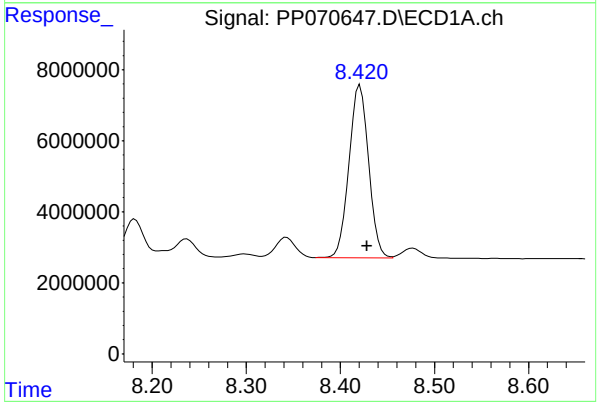
Manual Integrations APPROVED

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



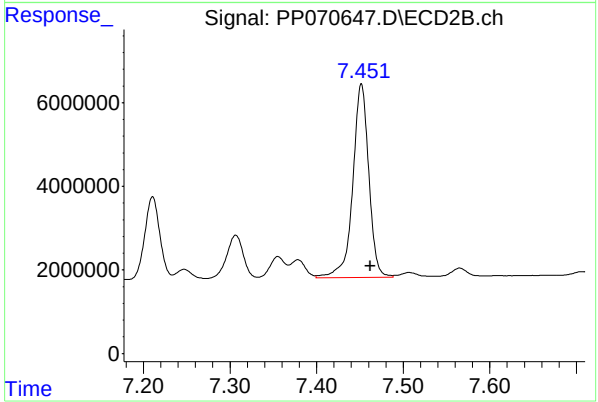
#34 AR-1260-4

R.T.: 7.211 min
Delta R.T.: -0.010 min
Response: 23865946
Conc: 466.46 ng/ml



#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.007 min
Response: 70331248
Conc: 514.58 ng/ml



#35 AR-1260-5

R.T.: 7.452 min
Delta R.T.: -0.010 min
Response: 59568206
Conc: 462.54 ng/ml

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

Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** Q1573

Project: R36884 - PCB **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/11/2025 03/11/2025

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	03/11/2025	14:57	PP070418.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	10.25	4.53
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	10.25	4.52
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	10.25	4.52
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	10.26	4.53
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	10.25	4.53
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	10.25	4.53
AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	10.25	4.53
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	10.25	4.53
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	10.25	4.53
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	10.25	4.53
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	10.25	4.53
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	10.25	4.53
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	10.25	4.53
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	10.25	4.52
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	10.25	4.53
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	10.25	4.53
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	10.25	4.52
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	10.25	4.52
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	10.25	4.52
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	10.25	4.53
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	10.25	4.52
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	10.25	4.53
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	10.25	4.52
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	10.25	4.53
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	10.25	4.52
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	10.25	4.53
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	10.25	4.53
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	10.25	4.52
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	10.25	4.52
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	10.25	4.53
AR1660CCC500	AR1660CCC500	03/17/2025	14:00	PP070589.D	10.25	4.52
I.BLK	I.BLK	03/17/2025	15:05	PP070593.D	10.24	4.52
PB167154BL	PB167154BL	03/17/2025	15:22	PP070594.D	10.25	4.52
PB167154BS	PB167154BS	03/17/2025	15:38	PP070595.D	10.25	4.52
C0AC4	Q1573-01	03/17/2025	17:15	PP070601.D	10.25	4.52
C0AC4MS	Q1573-01MS	03/17/2025	17:32	PP070602.D	10.24	4.52
C0AC4MSD	Q1573-01MSD	03/17/2025	17:48	PP070603.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/17/2025	18:37	PP070604.D	10.24	4.52
I.BLK	I.BLK	03/17/2025	19:42	PP070608.D	10.24	4.52

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Fax : 908 789 8922

Analytical Sequence

C0AC5	Q1573-02	03/17/2025	19:58	PP070609.D	10.24	4.52
C0AC8	Q1573-04	03/17/2025	20:30	PP070611.D	10.24	4.52
C0O29	Q1573-05	03/17/2025	20:47	PP070612.D	10.24	4.52
C0O30	Q1573-06	03/17/2025	21:03	PP070613.D	10.24	4.52
C0O31	Q1573-07	03/17/2025	21:19	PP070614.D	10.24	4.52
C0O32	Q1573-08	03/17/2025	21:35	PP070615.D	10.24	4.52
C0O33	Q1573-09	03/17/2025	21:52	PP070616.D	10.24	4.52
C0O34	Q1573-10	03/17/2025	22:08	PP070617.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/17/2025	23:13	PP070619.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	00:18	PP070623.D	10.24	4.52
PB167172BL	PB167172BL	03/18/2025	01:06	PP070626.D	10.24	4.52
PB167172BS	PB167172BS	03/18/2025	01:23	PP070627.D	10.24	4.52
PB167172BSD	PB167172BSD	03/18/2025	01:39	PP070628.D	10.24	4.52
C0AC7	Q1573-12	03/18/2025	01:55	PP070629.D	10.24	4.52
C0O37	Q1573-13	03/18/2025	02:11	PP070630.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/18/2025	03:16	PP070632.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	04:21	PP070636.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/18/2025	08:04	PP070638.D	10.25	4.52
I.BLK	I.BLK	03/18/2025	09:10	PP070642.D	10.24	4.52
C0AC6	Q1573-03	03/18/2025	09:42	PP070644.D	10.24	4.52
C0O35	Q1573-11	03/18/2025	10:14	PP070645.D	10.26	4.53
AR1660CCC500	AR1660CCC500	03/18/2025	11:19	PP070647.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	12:24	PP070651.D	10.24	4.52

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

Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** Q1573

Project: R36884 - PCB **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/11/2025 03/11/2025

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	03/11/2025	14:57	PP070418.D	8.88	3.83
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	8.88	3.83
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	8.88	3.83
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	8.88	3.83
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	8.88	3.83
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	8.88	3.83
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	8.88	3.83
AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	8.88	3.83
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	8.88	3.83
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	8.88	3.83
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	8.88	3.83
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	8.88	3.83
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	8.88	3.83
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	8.88	3.83
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	8.88	3.83
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	8.88	3.83
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	8.88	3.83
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	8.88	3.83
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	8.88	3.83
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	8.88	3.83
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	8.88	3.83
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	8.88	3.83
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	8.88	3.83
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	8.88	3.83
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	8.88	3.83
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	8.88	3.83
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	8.88	3.83
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	8.88	3.83
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	8.88	3.83
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	8.88	3.83
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	8.88	3.83
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	8.88	3.83
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/17/2025	14:00	PP070589.D	8.87	3.83
I.BLK	I.BLK	03/17/2025	15:05	PP070593.D	8.87	3.83
PB167154BL	PB167154BL	03/17/2025	15:22	PP070594.D	8.87	3.83
PB167154BS	PB167154BS	03/17/2025	15:38	PP070595.D	8.87	3.83
C0AC4	Q1573-01	03/17/2025	17:15	PP070601.D	8.87	3.83
C0AC4MS	Q1573-01MS	03/17/2025	17:32	PP070602.D	8.87	3.83
C0AC4MSD	Q1573-01MSD	03/17/2025	17:48	PP070603.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/17/2025	18:37	PP070604.D	8.87	3.82
I.BLK	I.BLK	03/17/2025	19:42	PP070608.D	8.87	3.82

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Analytical Sequence

C0AC5	Q1573-02	03/17/2025	19:58	PP070609.D	8.87	3.82
C0AC8	Q1573-04	03/17/2025	20:30	PP070611.D	8.87	3.82
C0O29	Q1573-05	03/17/2025	20:47	PP070612.D	8.87	3.82
C0O30	Q1573-06	03/17/2025	21:03	PP070613.D	8.87	3.82
C0O31	Q1573-07	03/17/2025	21:19	PP070614.D	8.87	3.82
C0O32	Q1573-08	03/17/2025	21:35	PP070615.D	8.87	3.83
C0O33	Q1573-09	03/17/2025	21:52	PP070616.D	8.87	3.82
C0O34	Q1573-10	03/17/2025	22:08	PP070617.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/17/2025	23:13	PP070619.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	00:18	PP070623.D	8.87	3.82
PB167172BL	PB167172BL	03/18/2025	01:06	PP070626.D	8.87	3.82
PB167172BS	PB167172BS	03/18/2025	01:23	PP070627.D	8.87	3.82
PB167172BSD	PB167172BSD	03/18/2025	01:39	PP070628.D	8.87	3.82
C0AC7	Q1573-12	03/18/2025	01:55	PP070629.D	8.87	3.82
C0O37	Q1573-13	03/18/2025	02:11	PP070630.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/18/2025	03:16	PP070632.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	04:21	PP070636.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/18/2025	08:04	PP070638.D	8.87	3.83
I.BLK	I.BLK	03/18/2025	09:10	PP070642.D	8.87	3.82
C0AC6	Q1573-03	03/18/2025	09:42	PP070644.D	8.87	3.82
C0O35	Q1573-11	03/18/2025	10:14	PP070645.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/18/2025	11:19	PP070647.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	12:24	PP070651.D	8.87	3.82

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167154BS

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167154BS Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070595.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.676	5.626	5.726	156		
	2	5.698	5.648	5.748	168		
	3	5.76	5.71	5.81	159		
COLUMN 1	4	5.857	5.807	5.907	157		
	5	6.15	6.1	6.2	155	159	
	1	4.912	4.862	4.962	168		
	2	4.931	4.881	4.981	167		
	3	5.108	5.058	5.158	169		
	4	5.15	5.1	5.2	169		
COLUMN 2	5	5.365	5.315	5.415	162	167	4.91
Aroclor-1260	1	7.269	7.219	7.319	176		
	2	7.522	7.472	7.572	173		
	3	7.881	7.831	7.931	146		
COLUMN 1	4	8.105	8.055	8.155	151		
	5	8.425	8.375	8.475	148	159	
	1	6.401	6.351	6.451	168		
	2	6.589	6.539	6.639	164		
	3	6.743	6.693	6.793	164		
	4	7.214	7.164	7.264	138		
COLUMN 2	5	7.456	7.406	7.506	139	155	2.55

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0AC4

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-01 Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070601.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.674	5.624	5.724	24.7		
	2	5.946	5.896	5.996	71.7		
	3	6.149	6.099	6.199	65.2		
COLUMN 1	4	6.547	6.497	6.597	61.7		
	5	6.587	6.537	6.637	84.7	61.6	
	1	4.914	4.864	4.964	32.8		
	2	5.149	5.099	5.199	68.1		
	3	5.191	5.141	5.241	68.7		
	4	5.364	5.314	5.414	78.1		
COLUMN 2	5	5.758	5.708	5.808	81.7	65.9	6.75
Aroclor-1260	1	7.268	7.218	7.318	22.7		
	2	7.522	7.472	7.572	22.0		
	3	7.879	7.829	7.929	14.9		
COLUMN 1	4	8.101	8.051	8.151	17.1		
	5	8.425	8.375	8.475	14.2	18.2	
	1	6.401	6.351	6.451	39.6		
	2	6.589	6.539	6.639	22.1		
	3	6.743	6.693	6.793	20.3		
	4	7.216	7.166	7.266	19.1		
COLUMN 2	5	7.455	7.405	7.505	17.5	23.7	26.25

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0AC4MS

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-01MS Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070602.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.672	5.622	5.722	161		
	2	5.694	5.644	5.744	278		
	3	5.758	5.708	5.808	231		
COLUMN 1	4	5.855	5.805	5.905	240		
	5	6.147	6.097	6.197	261	234	
	1	4.912	4.862	4.962	225		
	2	4.931	4.881	4.981	243		
	3	5.109	5.059	5.159	230		
	4	5.15	5.1	5.2	268		
COLUMN 2	5	5.365	5.315	5.415	258	245	4.59
Aroclor-1248	1	5.672	5.622	5.722	286		
	2	5.945	5.895	5.995	204		
	3	6.147	6.097	6.197	196		
COLUMN 1	4	6.545	6.495	6.595	74.8		
	5	6.586	6.536	6.636	111	174	
	1	4.912	4.862	4.962	345		
	2	5.15	5.1	5.2	191		
	3	5.192	5.142	5.242	219		
	4	5.365	5.315	5.415	197		
COLUMN 2	5	5.759	5.709	5.809	106	212	19.69

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.266	7.216	7.316	227		
	2	7.52	7.47	7.57	222		
	3	7.879	7.829	7.929	182		
COLUMN 1	4	8.102	8.052	8.152	192		
	5	8.424	8.374	8.474	183	201	
	1	6.402	6.352	6.452	230		
	2	6.589	6.539	6.639	202		
	3	6.743	6.693	6.793	205		
	4	7.215	7.165	7.265	169		
COLUMN 2	5	7.456	7.406	7.506	169	195	3.03

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0AC4MSD

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-01MSD Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070603.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.674	5.624	5.724	220		
	2	5.695	5.645	5.745	252		
	3	5.758	5.708	5.808	224		
COLUMN 1	4	5.855	5.805	5.905	231		
	5	6.148	6.098	6.198	241	233	
	1	4.912	4.862	4.962	226		
	2	4.931	4.881	4.981	233		
	3	5.108	5.058	5.158	231		
	4	5.149	5.099	5.199	255		
COLUMN 2	5	5.365	5.315	5.415	248	239	2.54
Aroclor-1248	1	5.674	5.624	5.724	334		
	2	5.945	5.895	5.995	190		
	3	6.148	6.098	6.198	181		
COLUMN 1	4	6.545	6.495	6.595	55.1		
	5	6.586	6.536	6.636	83.2	169	
	1	4.912	4.862	4.962	346		
	2	5.149	5.099	5.199	183		
	3	5.192	5.142	5.242	210		
	4	5.365	5.315	5.415	189		
COLUMN 2	5	5.758	5.708	5.808	79.0	201	17.3

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.267	7.217	7.317	224		
	2	7.52	7.47	7.57	216		
	3	7.878	7.828	7.928	177		
COLUMN 1	4	8.102	8.052	8.152	193		
	5	8.424	8.374	8.474	180	198	
	1	6.401	6.351	6.451	222		
	2	6.589	6.539	6.639	201		
	3	6.743	6.693	6.793	205		
	4	7.215	7.165	7.265	170		
COLUMN 2	5	7.456	7.406	7.506	168	193	2.56

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0AC5

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-02 Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070609.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.678	5.628	5.728	37.5		
	2	5.944	5.894	5.994	74.2		
	3	6.146	6.096	6.196	79.3		
COLUMN 1	4	6.546	6.496	6.596	93.0		
	5	6.585	6.535	6.635	144	85.7	
	1	4.914	4.864	4.964	20.6		
	2	5.148	5.098	5.198	73.3		
	3	5.19	5.14	5.24	79.5		
	4	5.363	5.313	5.413	87.5		
COLUMN 2	5	5.756	5.706	5.806	142	80.6	6.13
Aroclor-1260	1	7.266	7.216	7.316	32.6		
	2	7.519	7.469	7.569	32.2		
	3	7.878	7.828	7.928	23.5		
COLUMN 1	4	8.101	8.051	8.151	31.6		
	5	8.422	8.372	8.472	21.2	28.2	
	1	6.4	6.35	6.45	56.8		
	2	6.587	6.537	6.637	26.4		
	3	6.741	6.691	6.791	29.5		
	4	7.213	7.163	7.263	24.2		
COLUMN 2	5	7.454	7.404	7.504	23.7	32.1	12.94

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0AC8

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-04 Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070611.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.673	5.623	5.723	48.0		
	2	5.942	5.892	5.992	160		
	3	6.145	6.095	6.195	142		
COLUMN 1	4	6.543	6.493	6.593	128		
	5	6.582	6.532	6.632	222	140	
	1	4.914	4.864	4.964	47.6		
	2	5.148	5.098	5.198	168		
	3	5.19	5.14	5.24	173		
	4	5.363	5.313	5.413	158		
COLUMN 2	5	5.757	5.707	5.807	216	153	8.87
Aroclor-1260	1	7.264	7.214	7.314	42.2		
	2	7.516	7.466	7.566	39.9		
	3	7.875	7.825	7.925	21.9		
COLUMN 1	4	8.099	8.049	8.149	31.6		
	5	8.42	8.37	8.47	19.6	31.0	
	1	6.4	6.35	6.45	72.4		
	2	6.587	6.537	6.637	29.0		
	3	6.741	6.691	6.791	33.3		
	4	7.213	7.163	7.263	25.0		
COLUMN 2	5	7.454	7.404	7.504	19.9	35.9	14.65

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O29

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-05 Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070612.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.265	7.215	7.315	72.8		
	2	7.52	7.47	7.57	65.7		
	3	7.879	7.829	7.929	49.5		
COLUMN 1	4	8.103	8.053	8.153	65.0		
	5	8.423	8.373	8.473	46.7	59.9	
	1	6.399	6.349	6.449	59.6		
	2	6.587	6.537	6.637	56.0		
	3	6.741	6.691	6.791	50.5		
	4	7.213	7.163	7.263	52.7		
COLUMN 2	5	7.454	7.404	7.504	48.8	53.5	11.29

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O30

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-06 Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PP070613.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.266	7.216	7.316	31.8		
	2	7.519	7.469	7.569	24.8		
	3	7.878	7.828	7.928	17.1		
COLUMN 1	4	8.102	8.052	8.152	22.8		
	5	8.422	8.372	8.472	16.0	22.5	
	1	6.399	6.349	6.449	33.1		
	2	6.588	6.538	6.638	25.4		
	3	6.742	6.692	6.792	22.9		
	4	7.213	7.163	7.263	20.1		
COLUMN 2	5	7.453	7.403	7.503	20.3	24.3	7.69

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O31

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-07 Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070614.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.678	5.628	5.728	182		
	2	5.945	5.895	5.995	402		
	3	6.147	6.097	6.197	382		
COLUMN 1	4	6.545	6.495	6.595	326		
	5	6.585	6.535	6.635	400	338	
	1	4.91	4.86	4.96	153		
	2	5.148	5.098	5.198	395		
	3	5.189	5.139	5.239	368		
	4	5.362	5.312	5.412	380		
COLUMN 2	5	5.756	5.706	5.806	388	337	0.3
Aroclor-1260	1	7.266	7.216	7.316	109		
	2	7.518	7.468	7.568	136		
	3	7.877	7.827	7.927	72.1		
COLUMN 1	4	8.101	8.051	8.151	88.7		
	5	8.422	8.372	8.472	66.9	94.6	
	1	6.4	6.35	6.45	174		
	2	6.587	6.537	6.637	86.6		
	3	6.74	6.69	6.79	93.9		
	4	7.212	7.162	7.262	70.2		
COLUMN 2	5	7.453	7.403	7.503	64.3	97.8	3.33

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O32

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-08 Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070615.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.676	5.626	5.726	32.7		
	2	5.946	5.896	5.996	116		
	3	6.149	6.099	6.199	90.4		
COLUMN 1	4	6.548	6.498	6.598	92.7		
	5	6.587	6.537	6.637	157	97.6	
	1	4.914	4.864	4.964	29.4		
	2	5.149	5.099	5.199	125		
	3	5.19	5.14	5.24	121		
	4	5.364	5.314	5.414	102		
COLUMN 2	5	5.757	5.707	5.807	153	106	8.25
Aroclor-1260	1	7.268	7.218	7.318	37.8		
	2	7.521	7.471	7.571	30.6		
	3	7.88	7.83	7.93	18.7		
COLUMN 1	4	8.102	8.052	8.152	27.8		
	5	8.425	8.375	8.475	17.2	26.4	
	1	6.4	6.35	6.45	53.3		
	2	6.589	6.539	6.639	24.5		
	3	6.742	6.692	6.792	28.5		
	4	7.215	7.165	7.265	26.9		
COLUMN 2	5	7.454	7.404	7.504	20.3	30.7	15.06

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O33

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-09 Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070616.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.678	5.628	5.728	106		
	2	5.946	5.896	5.996	219		
	3	6.148	6.098	6.198	218		
COLUMN 1	4	6.547	6.497	6.597	207		
	5	6.587	6.537	6.637	273	204	
	1	4.912	4.862	4.962	101		
	2	5.148	5.098	5.198	213		
	3	5.19	5.14	5.24	216		
	4	5.363	5.313	5.413	216		
COLUMN 2	5	5.757	5.707	5.807	268	203	0.49
Aroclor-1260	1	7.267	7.217	7.317	183		
	2	7.521	7.471	7.571	207		
	3	7.88	7.83	7.93	158		
COLUMN 1	4	8.102	8.052	8.152	169		
	5	8.424	8.374	8.474	163	176	
	1	6.4	6.35	6.45	220		
	2	6.588	6.538	6.638	180		
	3	6.741	6.691	6.791	165		
	4	7.213	7.163	7.263	150		
COLUMN 2	5	7.454	7.404	7.504	152	173	1.72

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O34

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-10 Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070617.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.668	5.618	5.718	24.9		
	2	5.943	5.893	5.993	45.1		
	3	6.146	6.096	6.196	38.8		
COLUMN 1	4	6.544	6.494	6.594	54.2		
	5	6.583	6.533	6.633	64.5	45.5	
	1	4.911	4.861	4.961	21.6		
	2	5.148	5.098	5.198	43.5		
	3	5.191	5.141	5.241	40.9		
	4	5.363	5.313	5.413	45.2		
COLUMN 2	5	5.757	5.707	5.807	53.0	40.8	10.89
Aroclor-1260	1	7.264	7.214	7.314	13.0		
	2	7.518	7.468	7.568	8.92		
	3	7.876	7.826	7.926	4.86		
COLUMN 1	4	8.085	8.035	8.135	10.3		
	5	8.42	8.37	8.47	4.96	8.40	
	1	6.402	6.352	6.452	17.7		
	2	6.588	6.538	6.638	6.87		
	3	6.742	6.692	6.792	9.46		
	4	7.214	7.164	7.264	6.59		
COLUMN 2	5	7.454	7.404	7.504	7.32	9.60	13.33

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167172BS

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167172BS Date(s) Analyzed: 03/18/2025 03/18/2025

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

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

Data file PP070627.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.674	5.624	5.724	4.25		
	2	5.695	5.645	5.745	4.56		
	3	5.758	5.708	5.808	4.36		
COLUMN 1	4	5.855	5.805	5.905	4.35		
	5	6.148	6.098	6.198	4.29	4.40	
	1	4.909	4.859	4.959	4.57		
	2	4.928	4.878	4.978	4.46		
	3	5.106	5.056	5.156	4.59		
	4	5.147	5.097	5.197	4.61		
COLUMN 2	5	5.362	5.312	5.412	4.46	4.50	2.25
Aroclor-1260	1	7.267	7.217	7.317	4.64		
	2	7.52	7.47	7.57	4.60		
	3	7.879	7.829	7.929	3.86		
COLUMN 1	4	8.103	8.053	8.153	4.00		
	5	8.423	8.373	8.473	4.03	4.20	
	1	6.398	6.348	6.448	4.50		
	2	6.586	6.536	6.636	4.35		
	3	6.74	6.69	6.79	4.27		
	4	7.212	7.162	7.262	3.54		
COLUMN 2	5	7.453	7.403	7.503	3.61	4.10	2.41

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167172BSD

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: PB167172BSD Date(s) Analyzed: 03/18/2025 03/18/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070628.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.672	5.622	5.722	4.40		
	2	5.693	5.643	5.743	4.72		
	3	5.756	5.706	5.806	4.77		
COLUMN 1	4	5.853	5.803	5.903	4.59		
	5	6.145	6.095	6.195	4.25	4.50	
	1	4.91	4.86	4.96	4.59		
	2	4.929	4.879	4.979	4.45		
	3	5.106	5.056	5.156	4.52		
	4	5.147	5.097	5.197	4.46		
COLUMN 2	5	5.362	5.312	5.412	4.34	4.50	0
Aroclor-1260	1	7.265	7.215	7.315	4.85		
	2	7.518	7.468	7.568	4.73		
	3	7.877	7.827	7.927	3.96		
COLUMN 1	4	8.1	8.05	8.15	4.21		
	5	8.421	8.371	8.471	4.11	4.40	
	1	6.399	6.349	6.449	4.58		
	2	6.586	6.536	6.636	4.48		
	3	6.74	6.69	6.79	4.40		
	4	7.213	7.163	7.263	3.76		
COLUMN 2	5	7.454	7.404	7.504	3.78	4.20	4.65

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC6

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-03 Date(s) Analyzed: 03/18/2025 03/18/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070644.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.673	5.623	5.723	17.0		
	2	5.943	5.893	5.993	42.6		
	3	6.146	6.096	6.196	31.3		
COLUMN 1	4	6.545	6.495	6.595	29.2		
	5	6.583	6.533	6.633	45.9	33.2	
	1	4.912	4.862	4.962	14.6		
	2	5.146	5.096	5.196	37.1		
	3	5.187	5.137	5.237	36.1		
	4	5.36	5.31	5.41	36.1		
COLUMN 2	5	5.754	5.704	5.804	52.1	35.2	5.85
Aroclor-1260	1	7.265	7.215	7.315	26.3		
	2	7.519	7.469	7.569	22.6		
	3	7.877	7.827	7.927	16.4		
COLUMN 1	4	8.101	8.051	8.151	24.3		
	5	8.421	8.371	8.471	17.1	21.3	
	1	6.397	6.347	6.447	33.0		
	2	6.584	6.534	6.634	18.7		
	3	6.74	6.69	6.79	18.2		
	4	7.21	7.16	7.26	20.1		
COLUMN 2	5	7.451	7.401	7.501	18.8	21.8	2.32

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O35

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-11 Date(s) Analyzed: 03/18/2025 03/18/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070645.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.687	5.637	5.737	18.7		
	2	5.953	5.903	6.003	24.3		
	3	6.155	6.105	6.205	22.3		
COLUMN 1	4	6.552	6.502	6.602	27.0		
	5	6.592	6.542	6.642	34.4	25.4	
	1	4.912	4.862	4.962	15.4		
	2	5.151	5.101	5.201	24.2		
	3	5.193	5.143	5.243	24.9		
	4	5.366	5.316	5.416	24.2		
COLUMN 2	5	5.76	5.71	5.81	38.7	25.5	0.39
Aroclor-1260	1	7.274	7.224	7.324	14.7		
	2	7.527	7.477	7.577	14.7		
	3	7.885	7.835	7.935	9.10		
COLUMN 1	4	8.109	8.059	8.159	15.3		
	5	8.431	8.381	8.481	7.03	12.2	
	1	6.403	6.353	6.453	20.3		
	2	6.591	6.541	6.641	12.8		
	3	6.745	6.695	6.795	14.8		
	4	7.217	7.167	7.267	10.6		
COLUMN 2	5	7.457	7.407	7.507	9.10	13.5	10.12

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167154BL	SDG No.:	Q1573
Lab Sample ID:	PB167154BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070594.D	1	03/17/25 08:35	03/17/25 15:22	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	17.0	U	5.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		32 - 144	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		32 - 175	112%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:22
Operator : YP\AJ
Sample : PB167154BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.524	3.827	31913916	23531138	20.518	23.478
2)	SA Decachlor...	10.246	8.874	23748248	19823045	22.355	20.261
	Target Compounds						

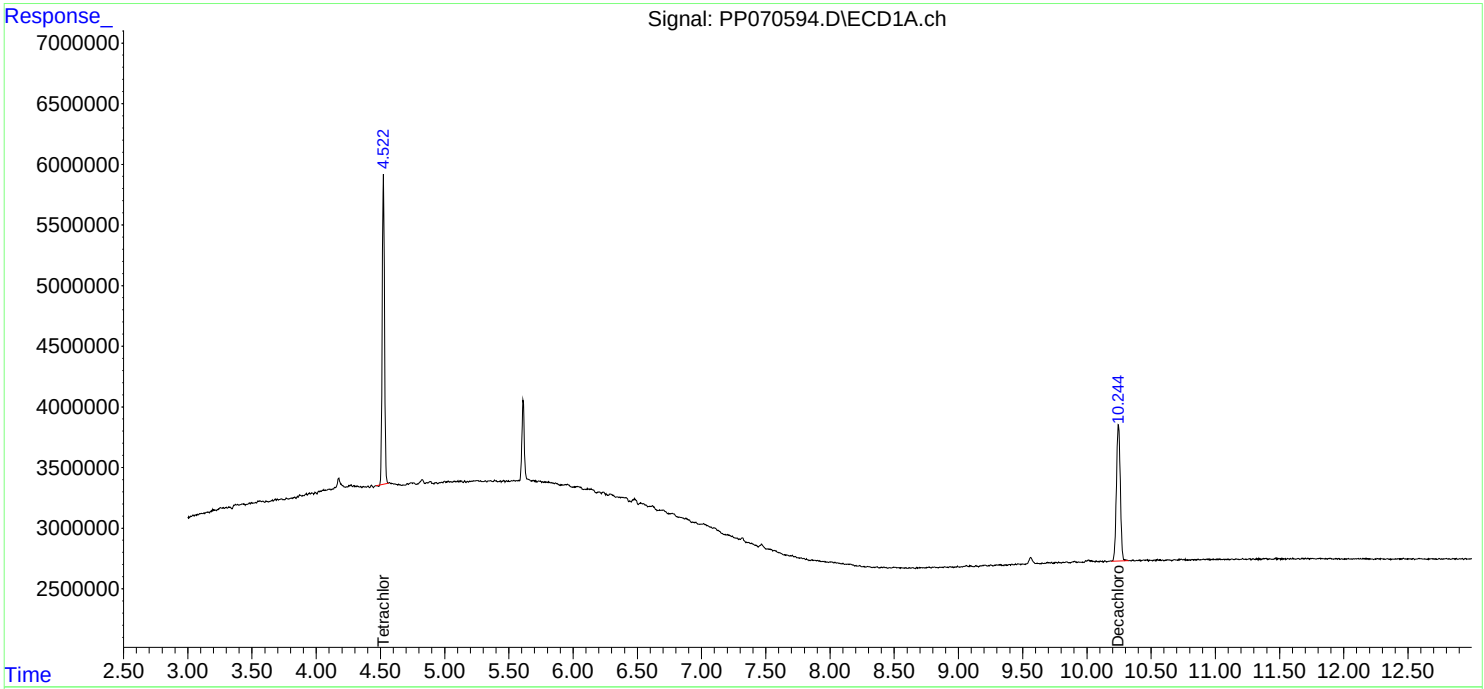
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

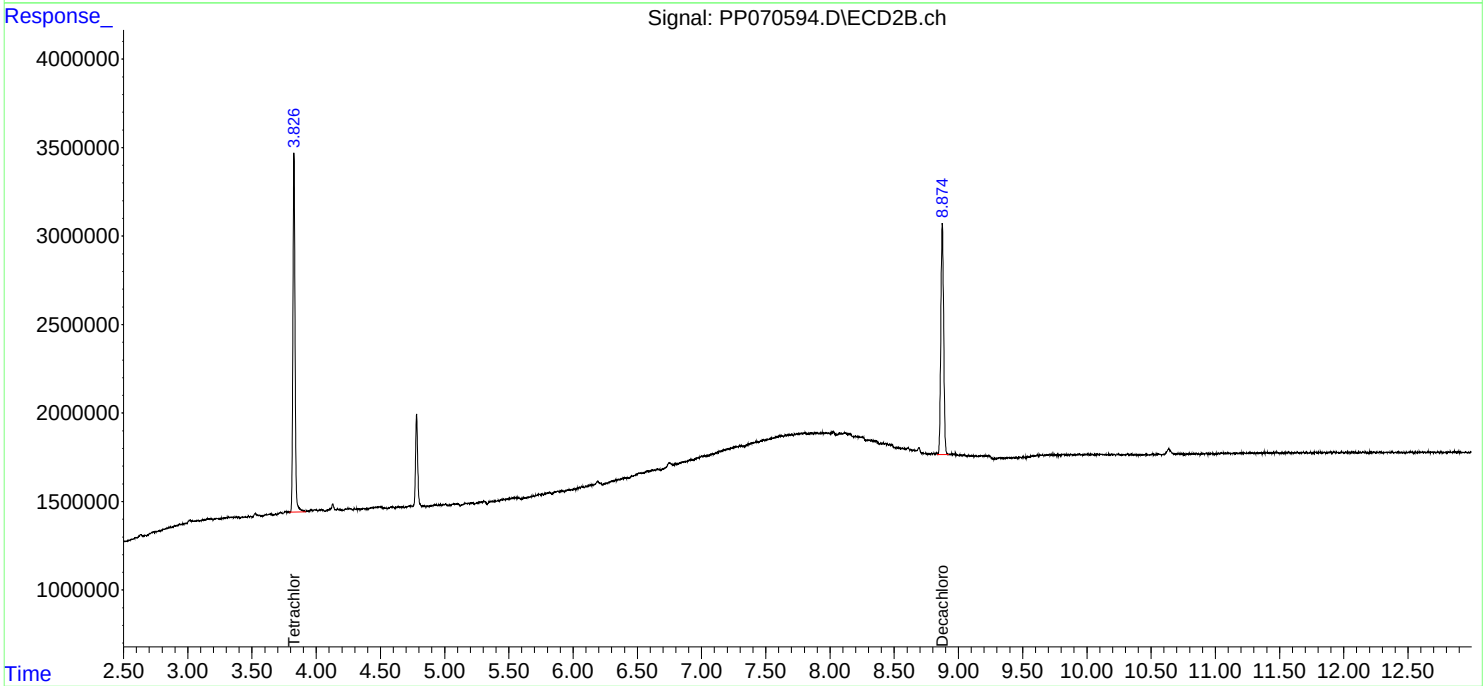
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:22
Operator : YP\AJ
Sample : PB167154BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

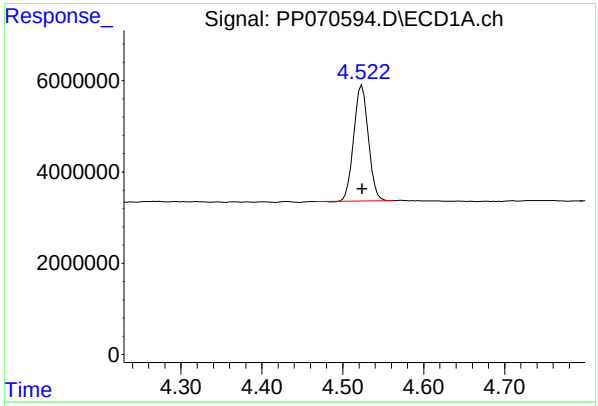
Instrument :
ECD_P
ClientSampleId :
PB167154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



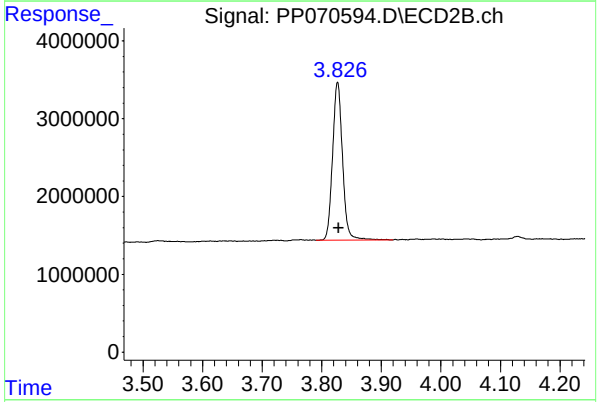




#1 Tetrachloro-m-xylene

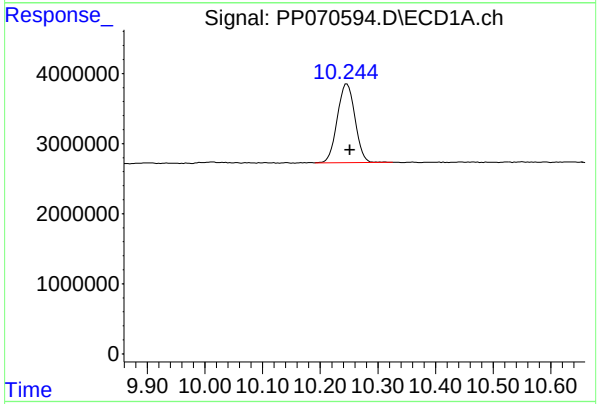
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 31913916
Conc: 20.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167154BL



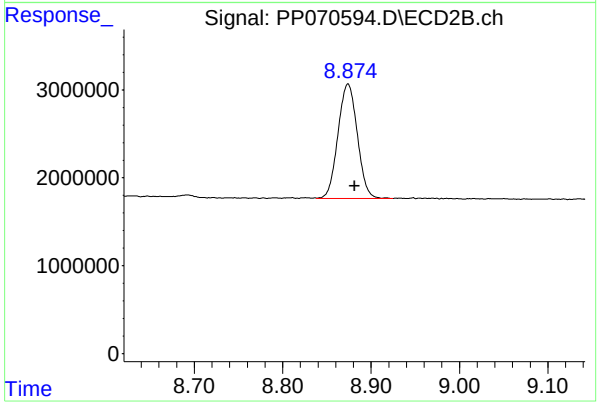
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 23531138
Conc: 23.48 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: -0.006 min
Response: 23748248
Conc: 22.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.874 min
Delta R.T.: -0.007 min
Response: 19823045
Conc: 20.26 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167172BL	SDG No.:	Q1573
Lab Sample ID:	PB167172BL	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070626.D	1	03/17/25 09:35	03/18/25 01:06	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
Total PCBs	Total PCBs	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		16 - 158	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		10 - 173	99%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:06
Operator : YP\AJ
Sample : PB167172BL
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167172BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	30921049	21732164	19.880	21.683
2)	SA Decachlor...	10.243	8.870	20949246	17769290	19.720	18.162
	Target Compounds						

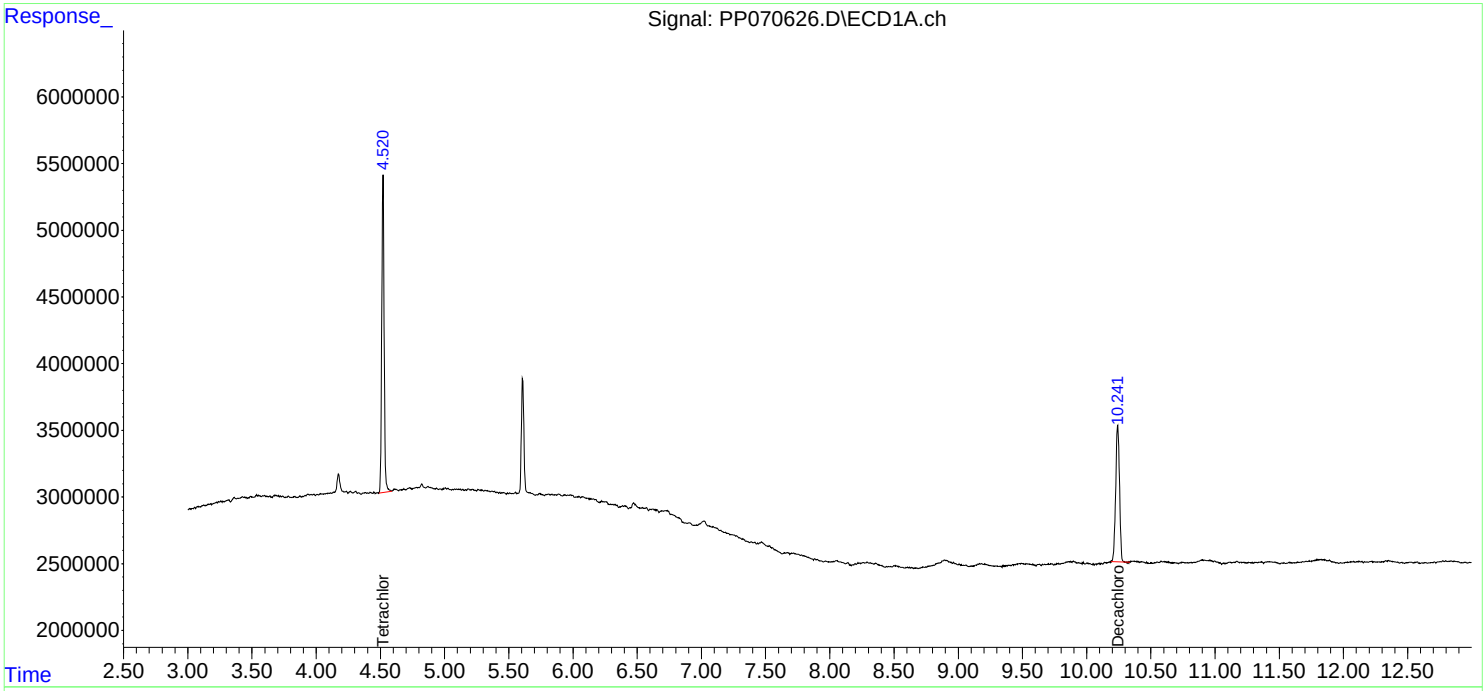
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

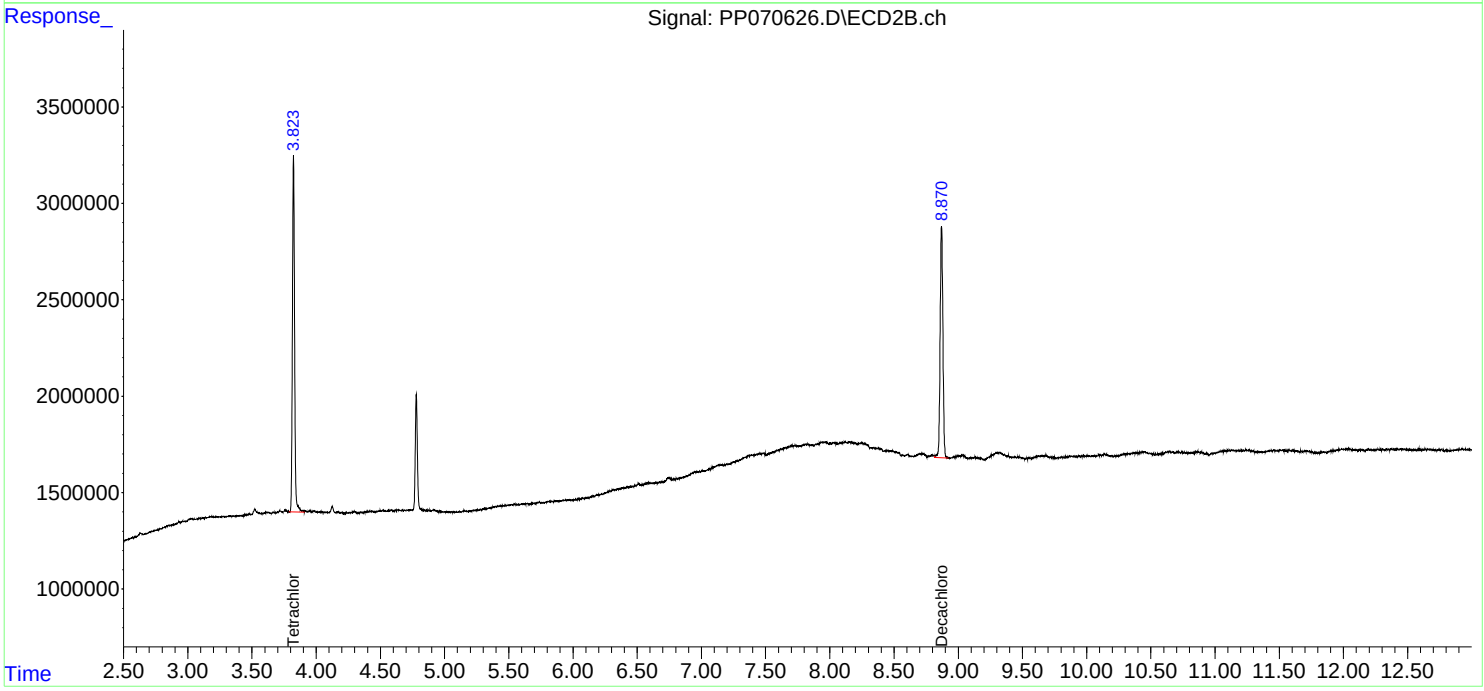
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:06
Operator : YP\AJ
Sample : PB167172BL
Misc :
ALS Vial : 39 Sample Multiplier: 1

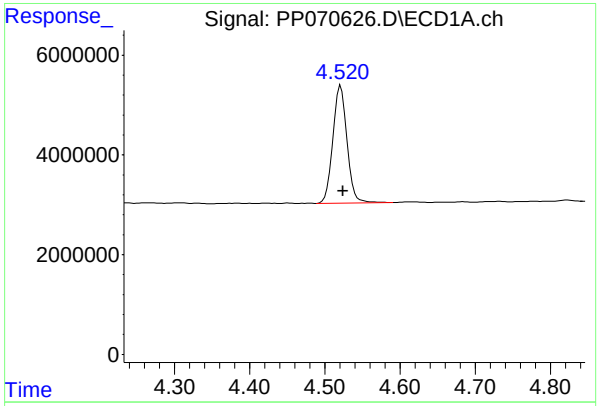
Instrument :
ECD_P
ClientSampleId :
PB167172BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



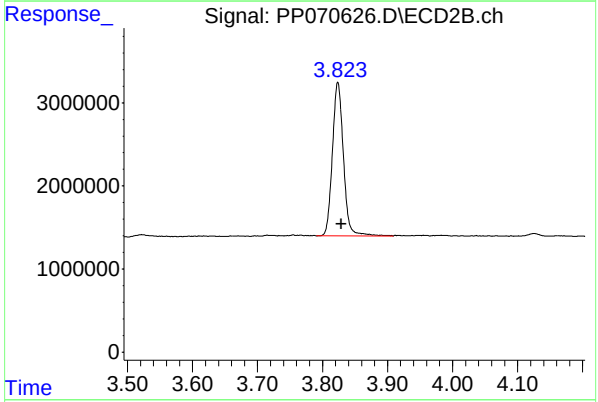




#1 Tetrachloro-m-xylene

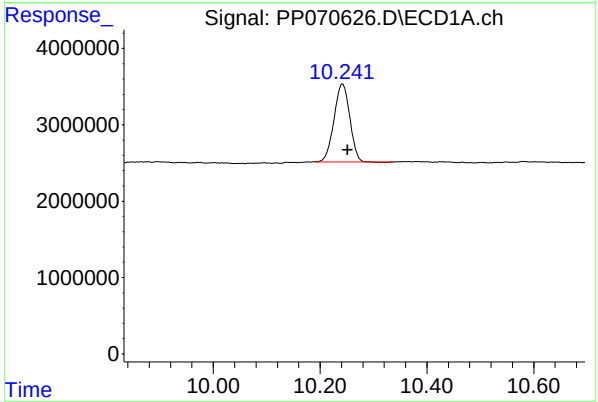
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30921049
Conc: 19.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BL



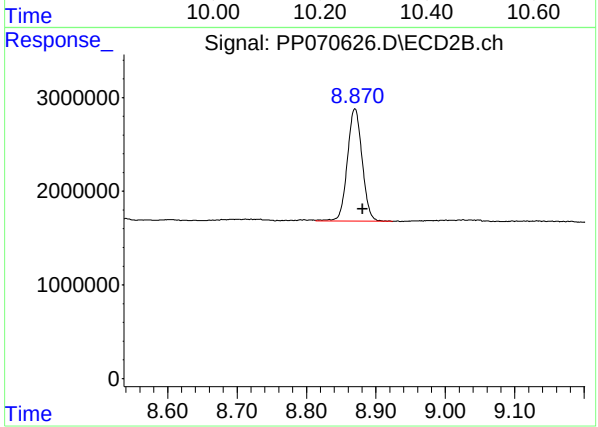
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 21732164
Conc: 21.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 20949246
Conc: 19.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 17769290
Conc: 18.16 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/11/25
Client Sample ID:	PIBLK-PP070418.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070418.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070418.D	1		03/11/25	pp031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		60 - 140	116%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:57
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 12 03:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.526	3.828	34285116	23007566	22.043	22.955
2)	SA Decachlor...	10.252	8.880	24539341	22949882	23.099	23.457
	Target Compounds						

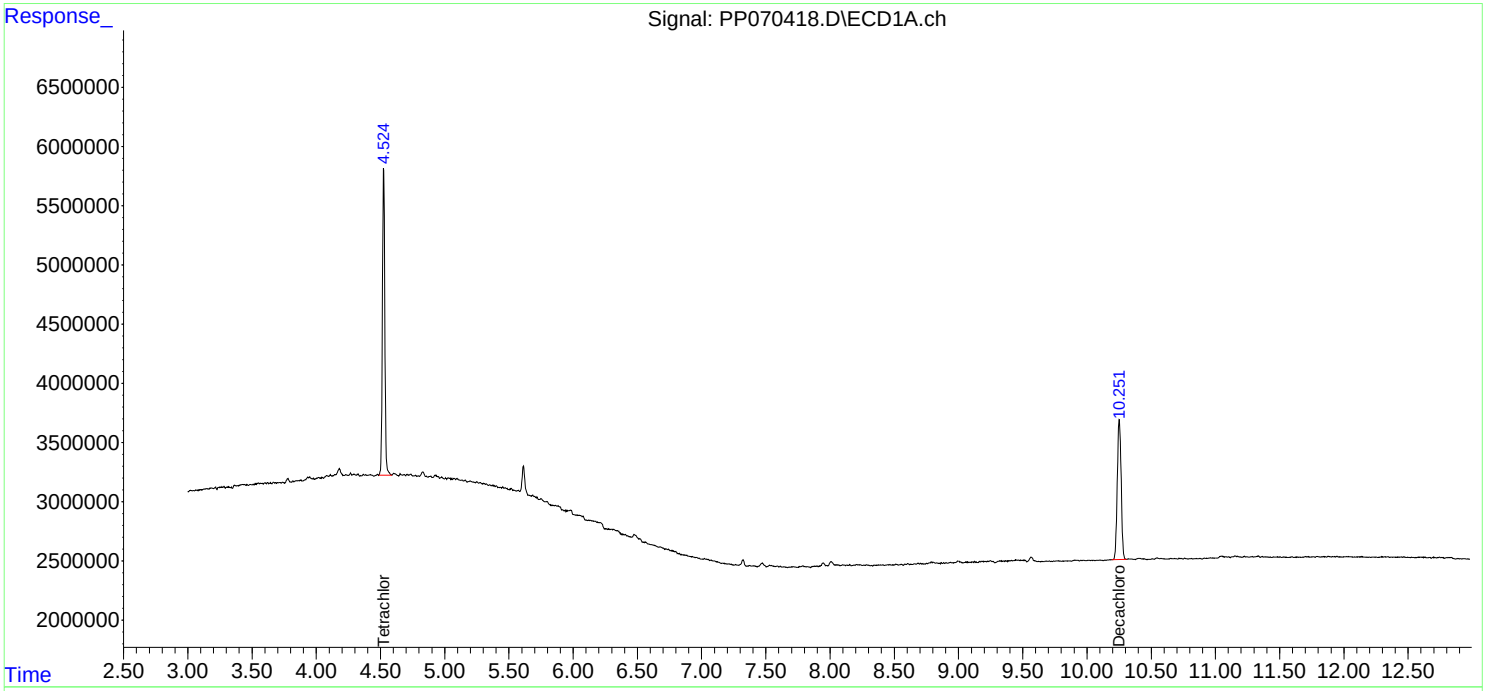
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

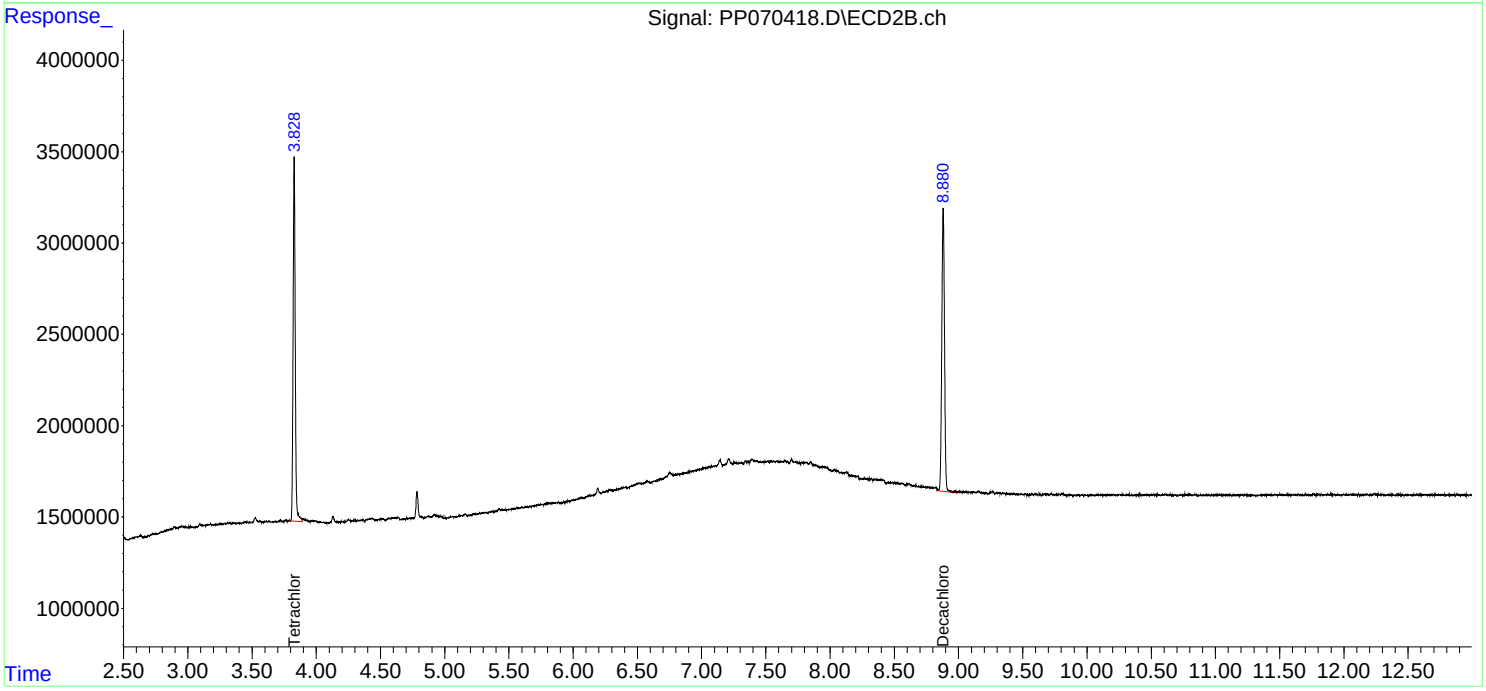
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:57
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

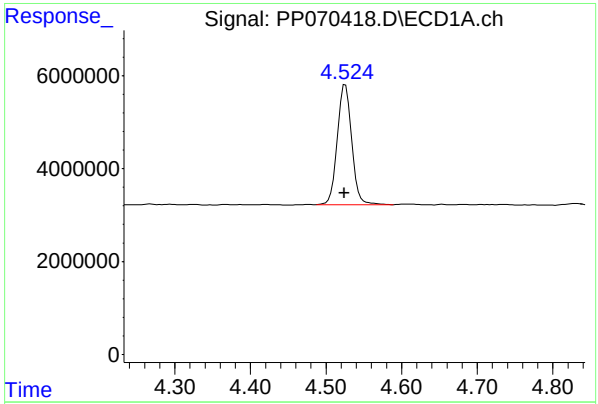
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



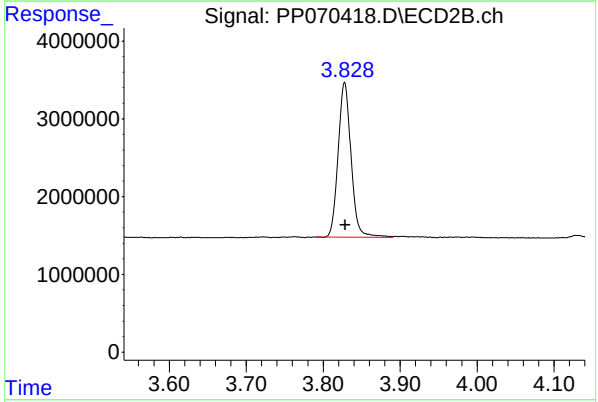




#1 Tetrachloro-m-xylene

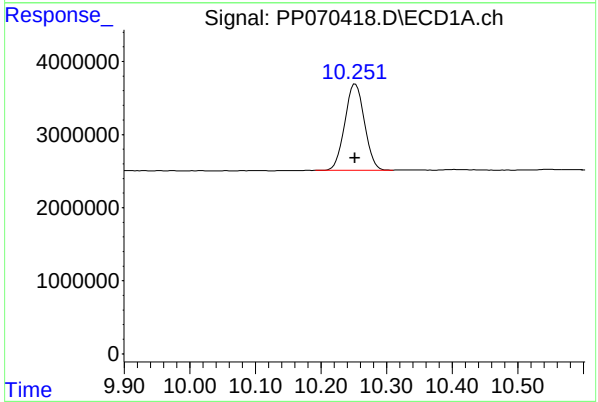
R.T.: 4.526 min
Delta R.T.: 0.002 min
Response: 34285116
Conc: 22.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



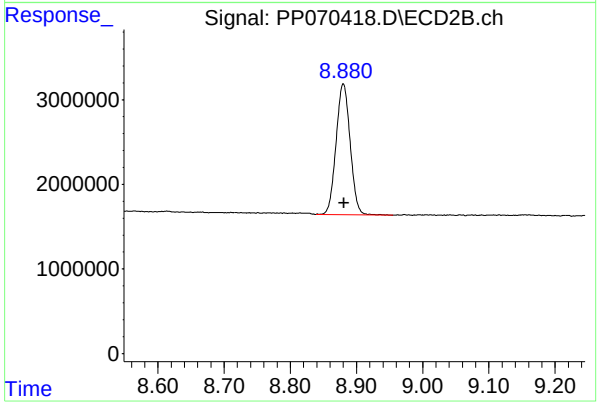
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 23007566
Conc: 22.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 24539341
Conc: 23.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: -0.001 min
Response: 22949882
Conc: 23.46 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PP070593.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070593.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070593.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 140	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:05
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 18 01:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.827	30401287	21450306	19.546	21.401
2)	SA Decachlor...	10.242	8.874	22426495	19395663	21.110	19.825
	Target Compounds						

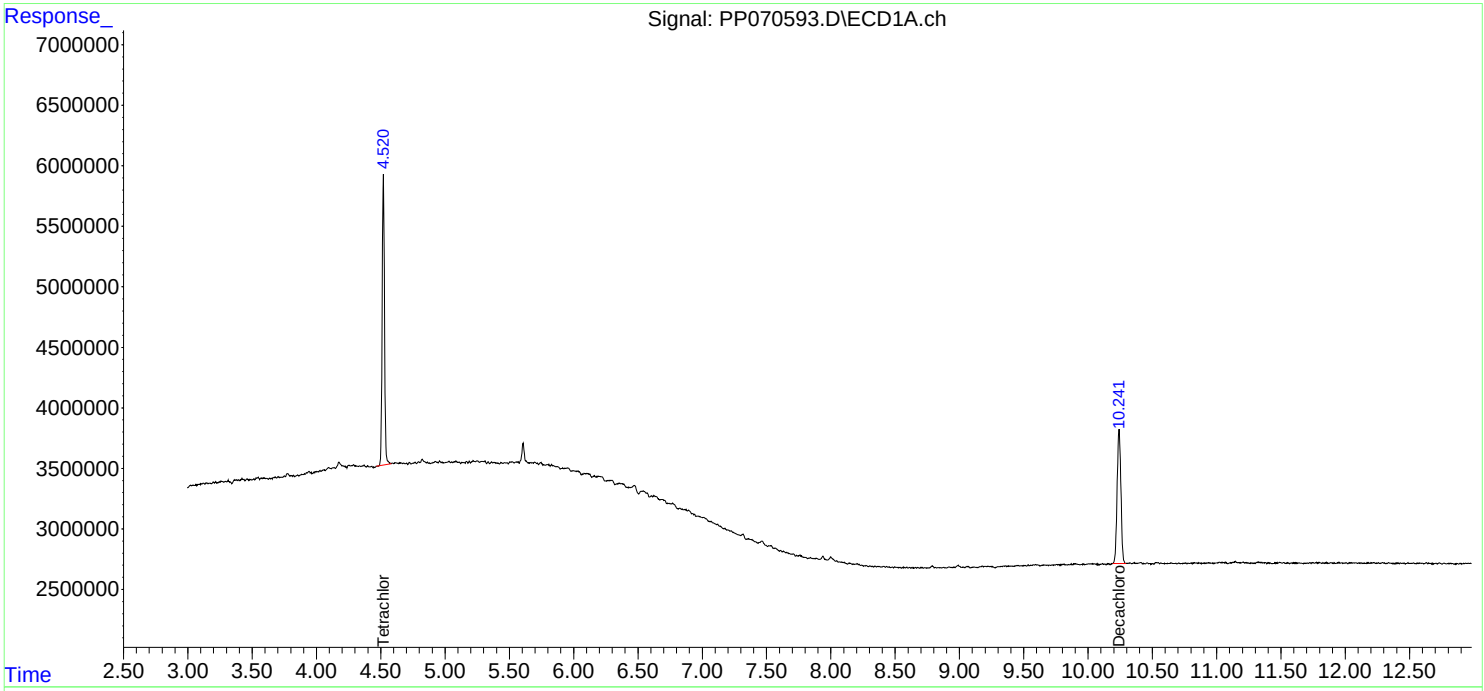
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

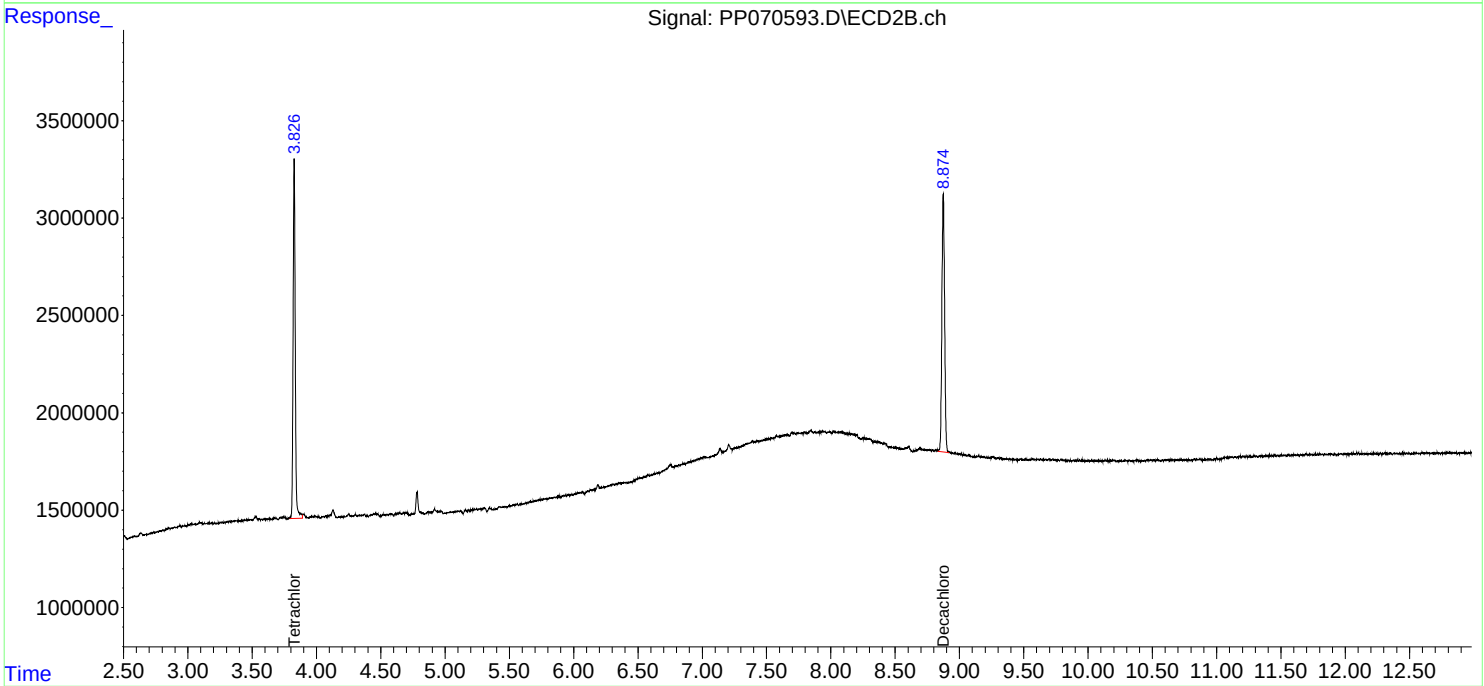
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

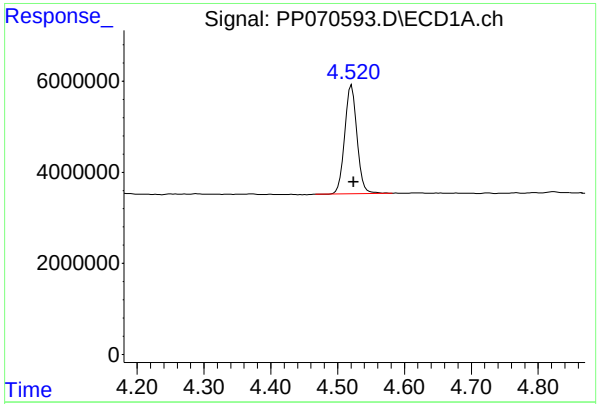
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



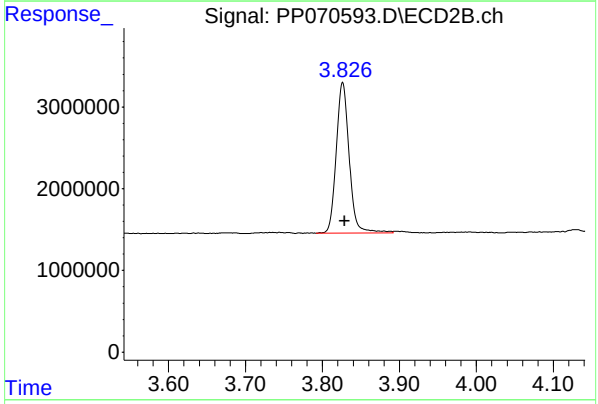




#1 Tetrachloro-m-xylene

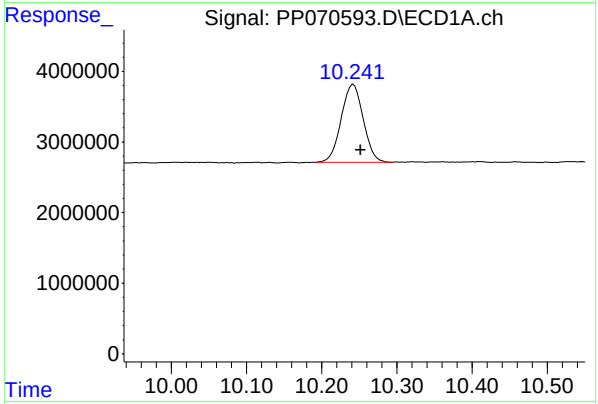
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30401287
Conc: 19.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



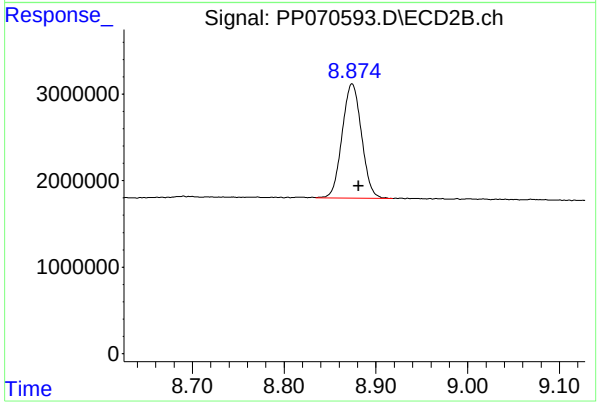
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 21450306
Conc: 21.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 22426495
Conc: 21.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.874 min
Delta R.T.: -0.007 min
Response: 19395663
Conc: 19.82 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PP070608.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070608.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070608.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140	101%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:42
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 18 01:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.824	30695572	20875116	19.735	20.828
2)	SA Decachlor...	10.243	8.872	22485155	19853212	21.166	20.292
	Target Compounds						

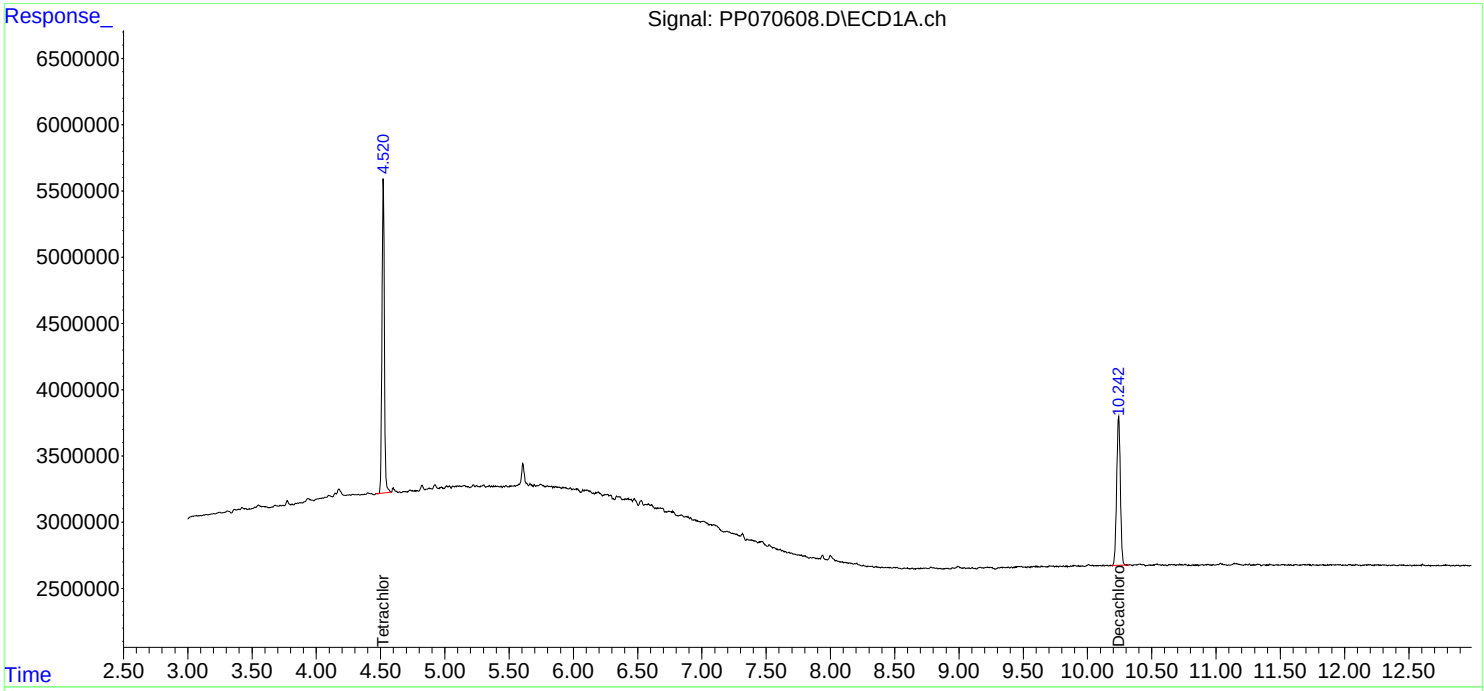
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

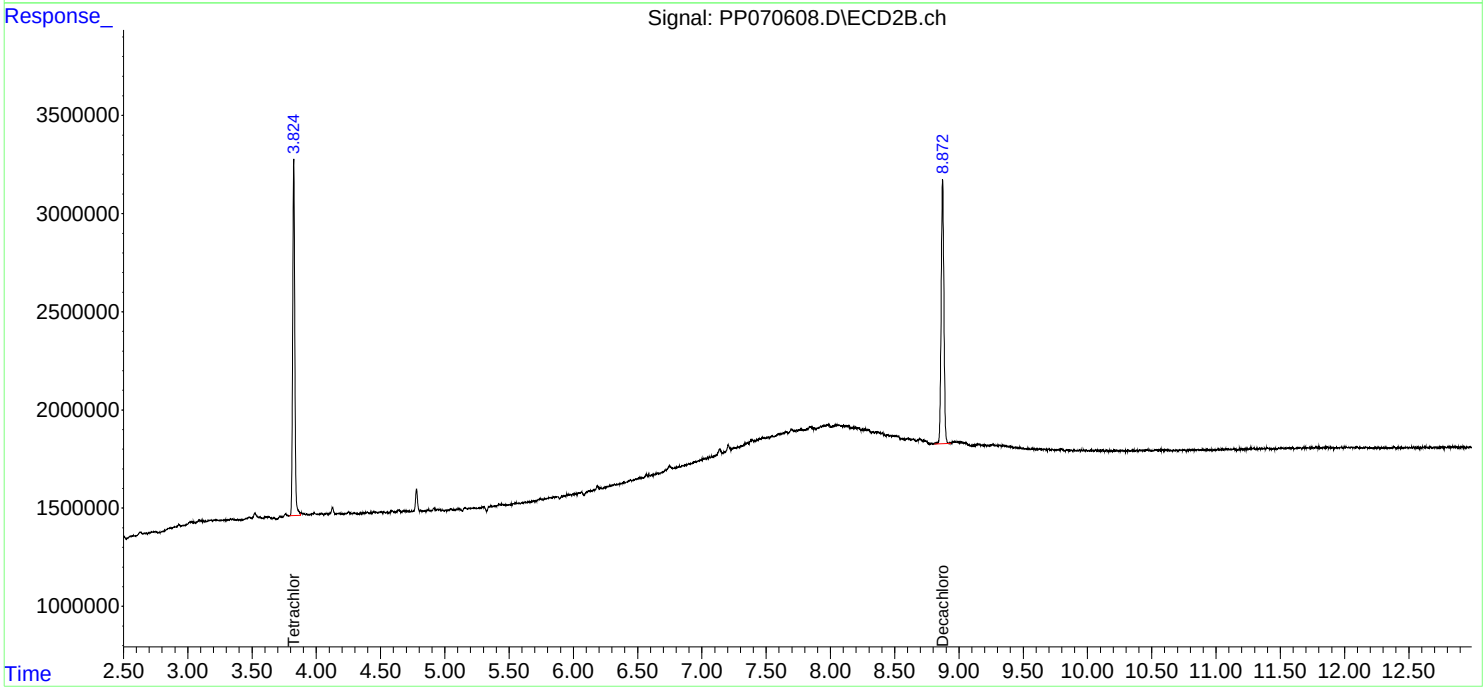
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

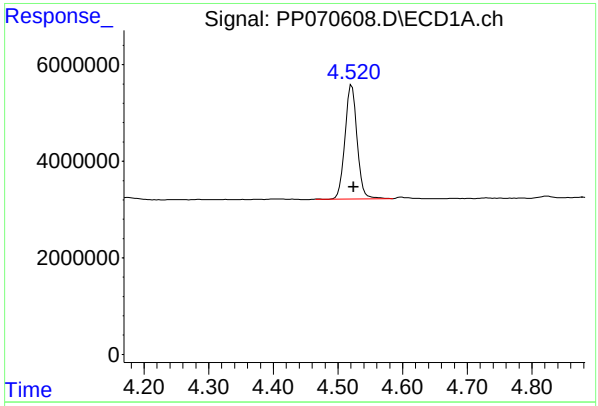
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



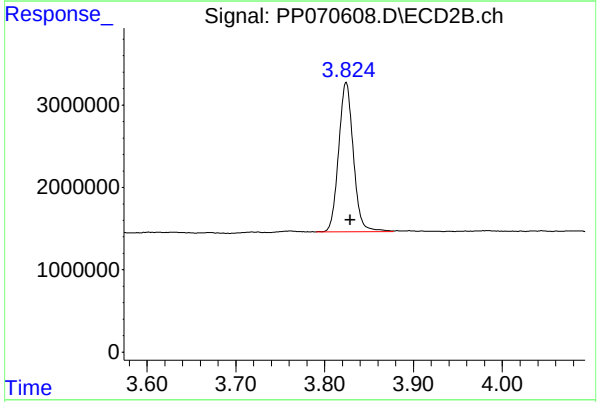




#1 Tetrachloro-m-xylene

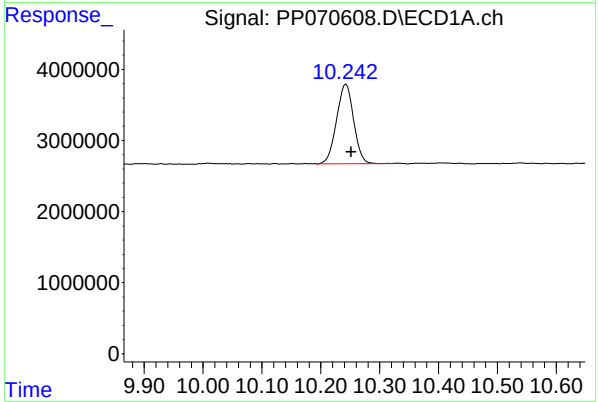
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30695572
Conc: 19.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



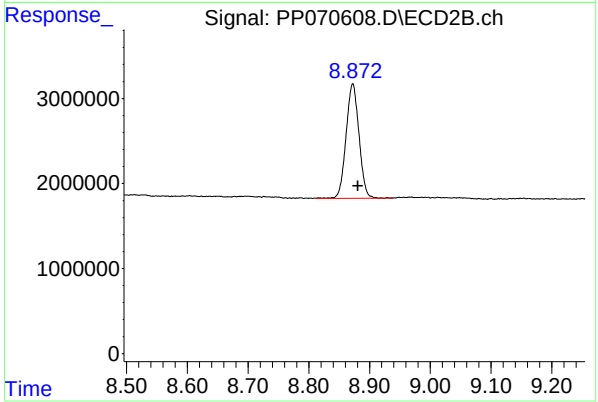
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 20875116
Conc: 20.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 22485155
Conc: 21.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 19853212
Conc: 20.29 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PP070623.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070623.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070623.D	1		03/18/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	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	21.4		60 - 140	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 00:18
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 18 01:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.518	3.824	30881813	21854538	19.855	21.805
2)	SA Decachlor...	10.238	8.869	22683883	21294365	21.353	21.765
	Target Compounds						

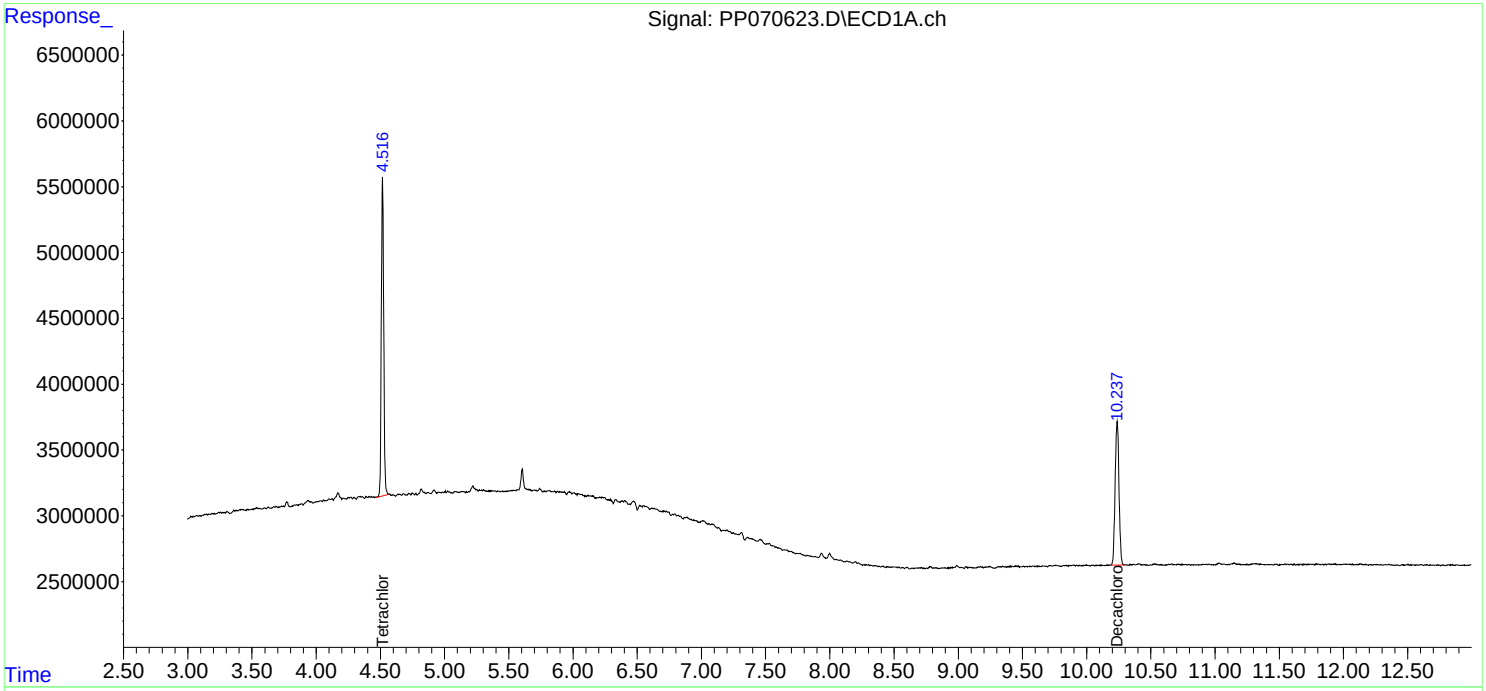
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

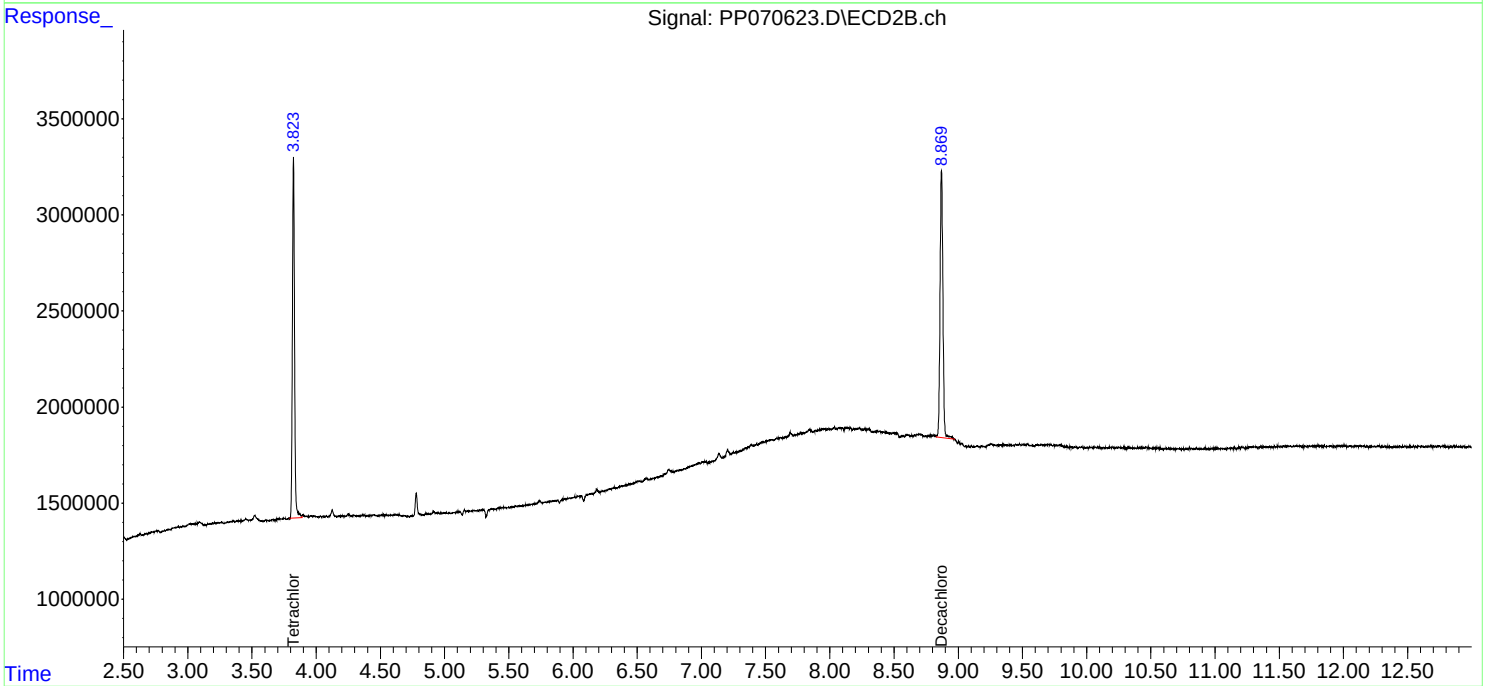
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 00:18
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

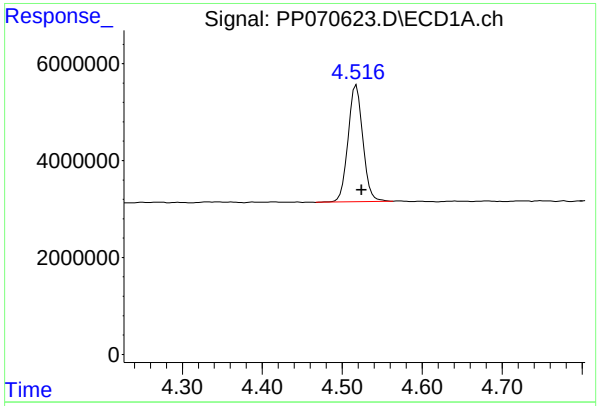
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



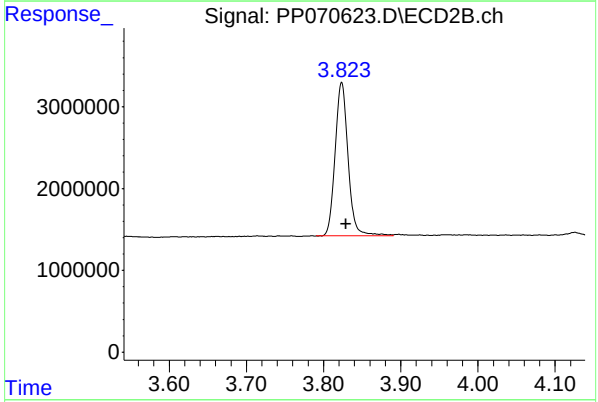




#1 Tetrachloro-m-xylene

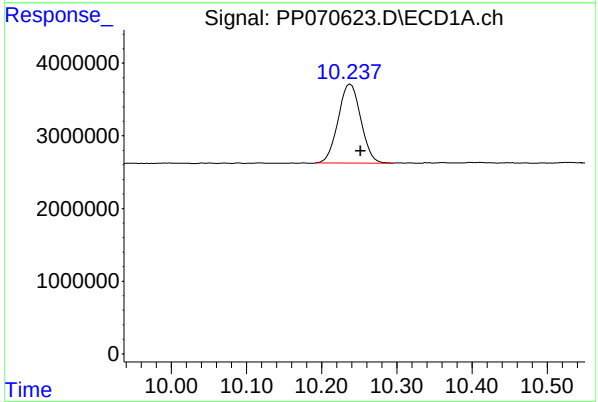
R.T.: 4.518 min
Delta R.T.: -0.006 min
Response: 30881813
Conc: 19.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



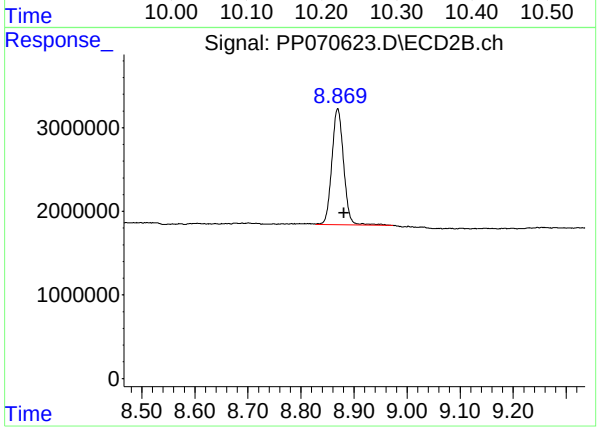
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 21854538
Conc: 21.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.013 min
Response: 22683883
Conc: 21.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 21294365
Conc: 21.77 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PP070636.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070636.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070636.D	1		03/18/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		60 - 140	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070636.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 04:21
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 18 06:43:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	30844164	20340454	19.831	20.294
2)	SA Decachlor...	10.240	8.868	22140811	18865479	20.841	19.283
	Target Compounds						

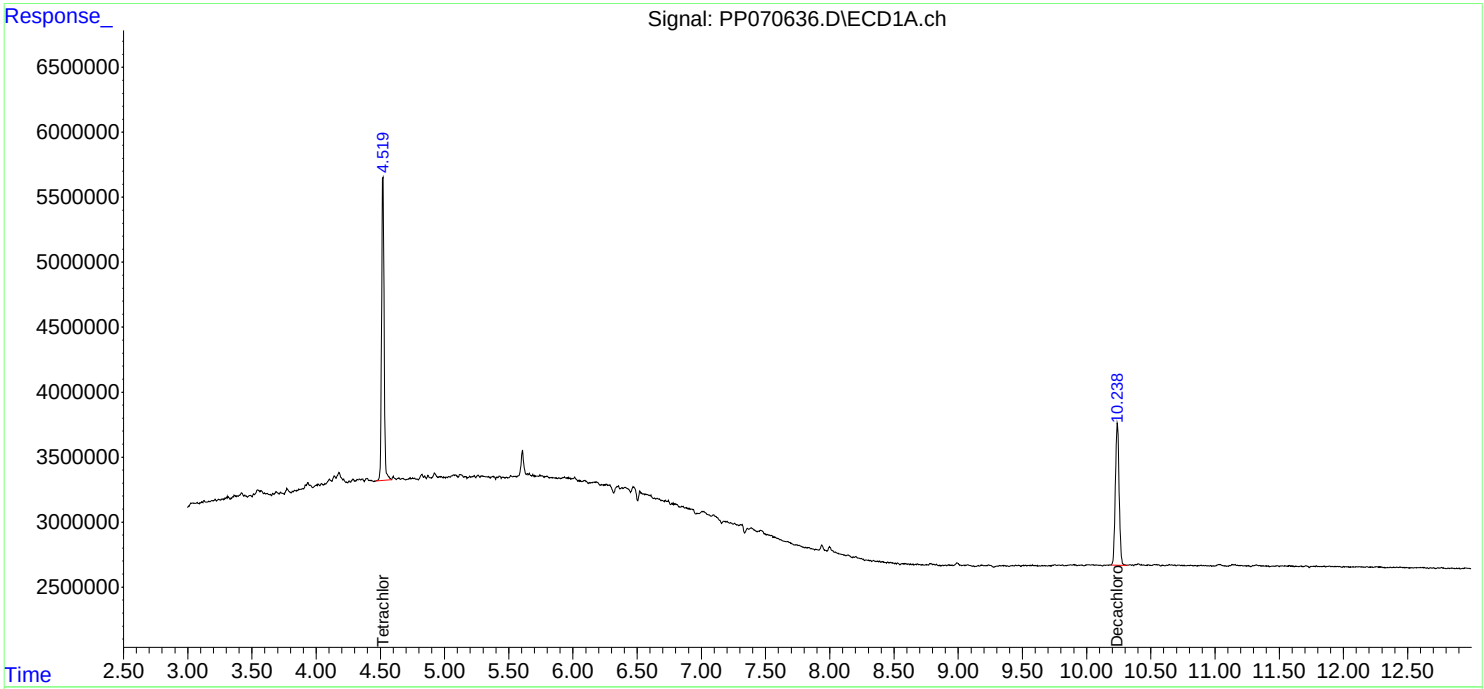
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

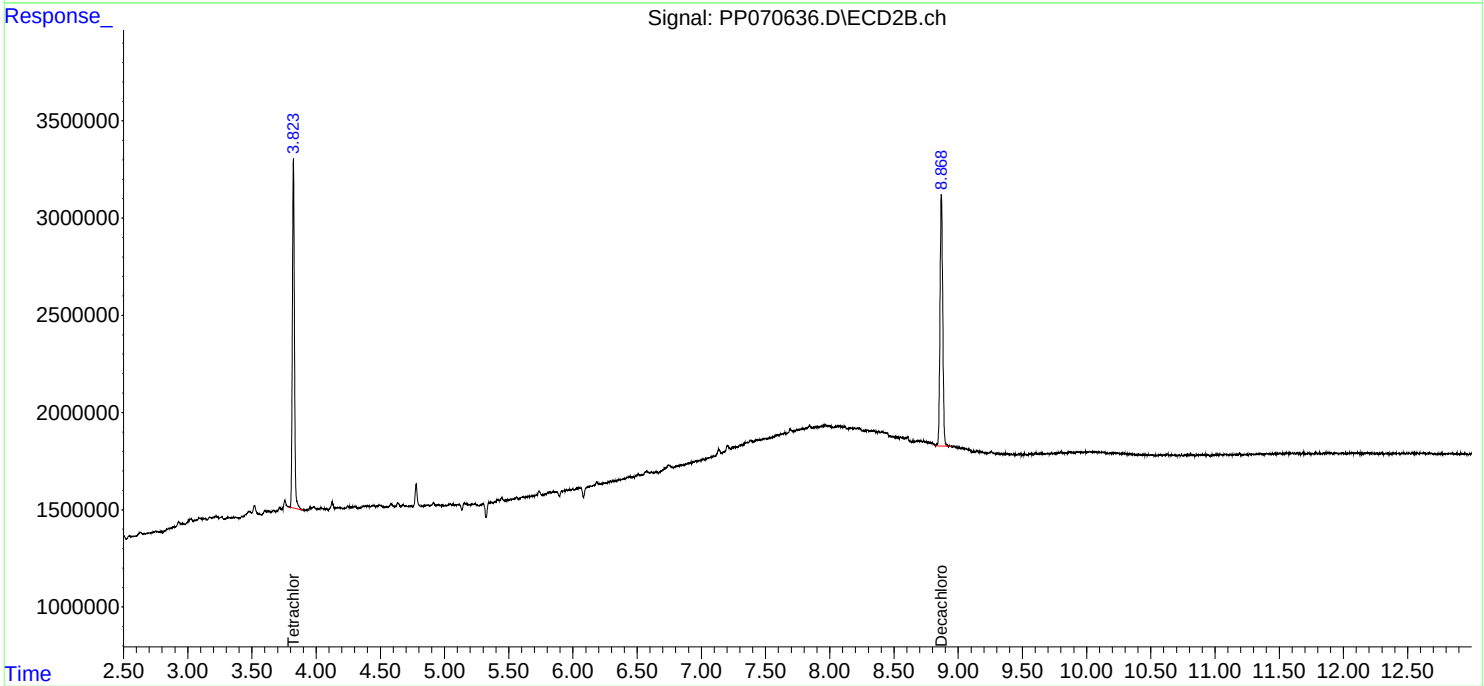
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070636.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 04:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

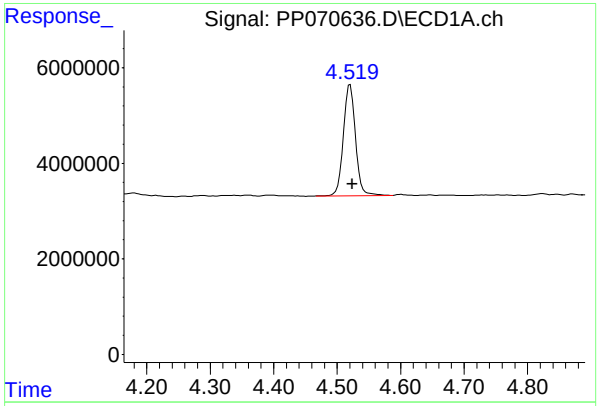
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:43:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



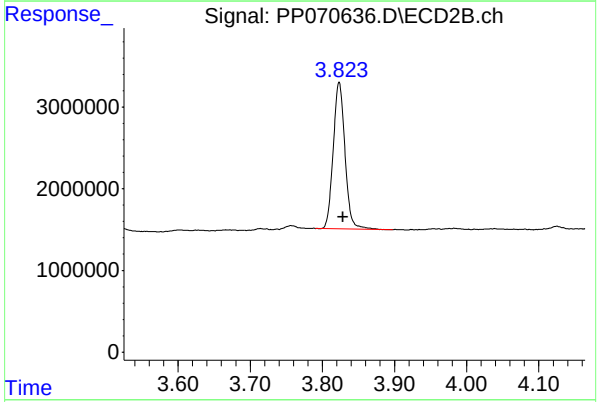




#1 Tetrachloro-m-xylene

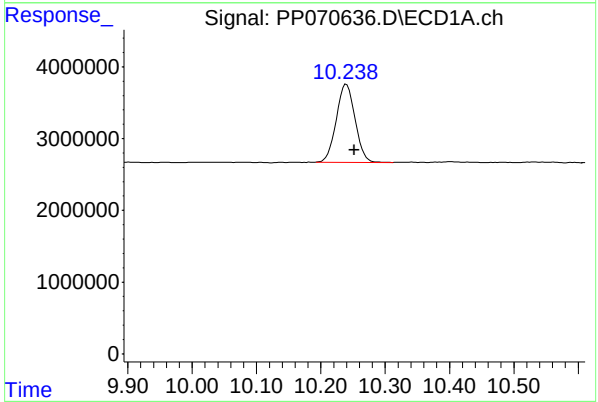
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 30844164
Conc: 19.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



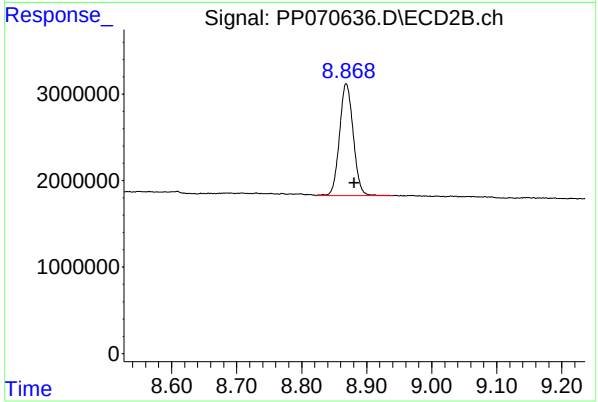
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 20340454
Conc: 20.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 22140811
Conc: 20.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 18865479
Conc: 19.28 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PP070642.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070642.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070642.D	1		03/18/25	PP031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 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 01:16:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.518	3.822	30694100	20862902	19.734	20.815
2)	SA Decachlor...	10.237	8.866	22416005	19795482	21.101	20.233m
	Target Compounds						

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

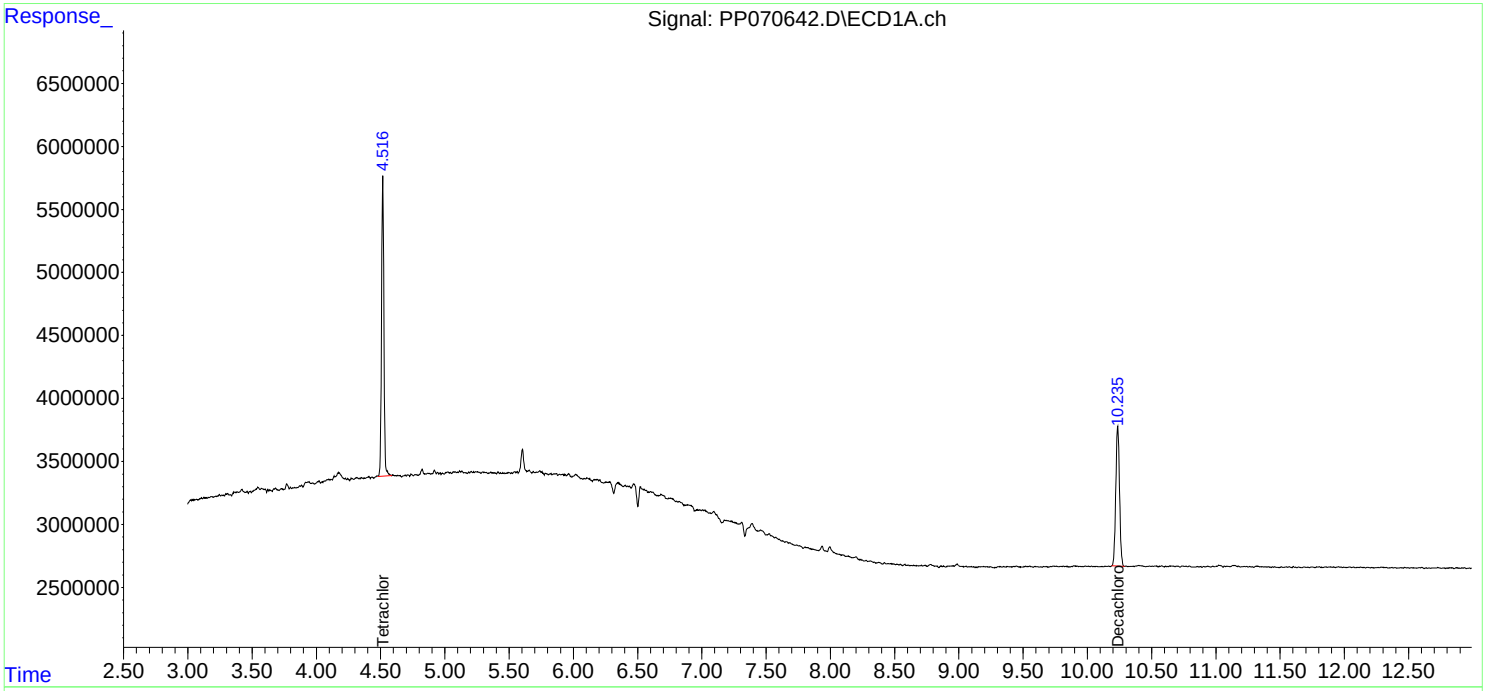
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

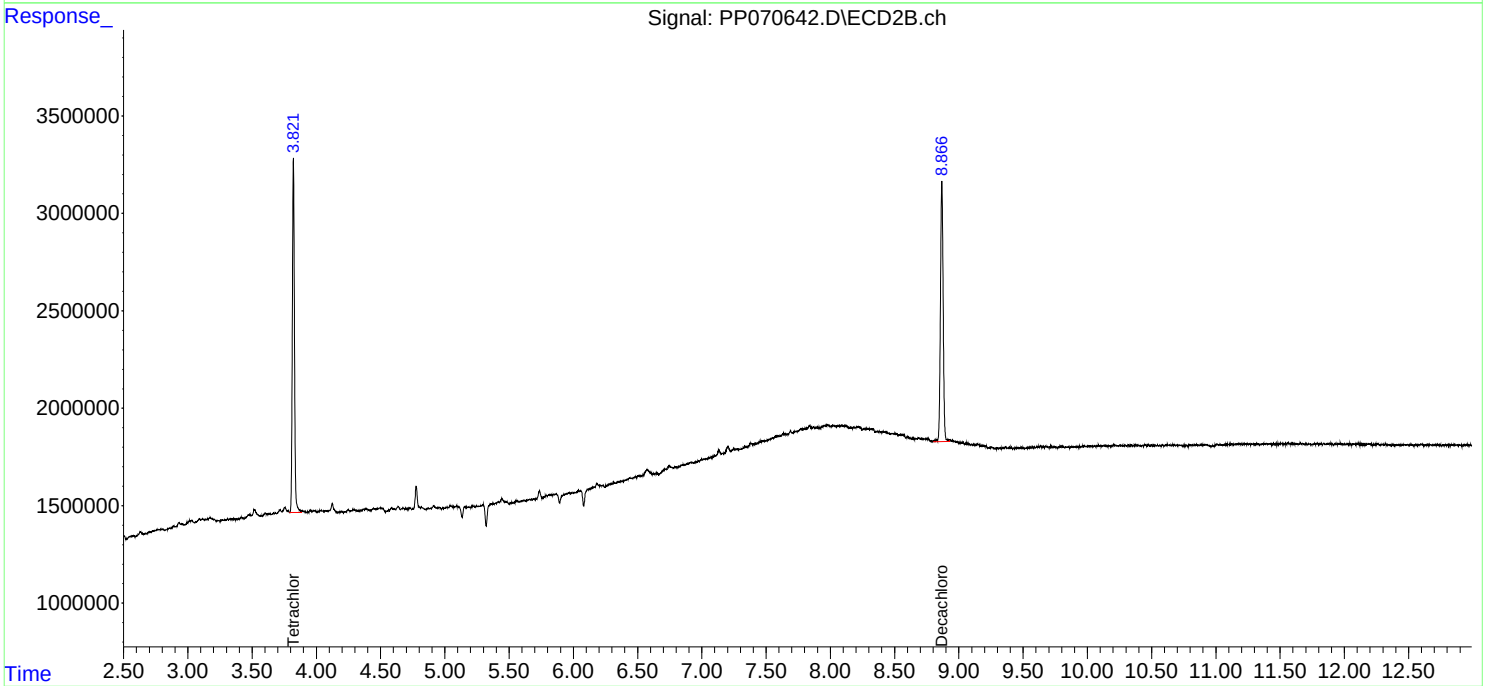
Instrument :
ECD_P
ClientSampleId :
I.BLK

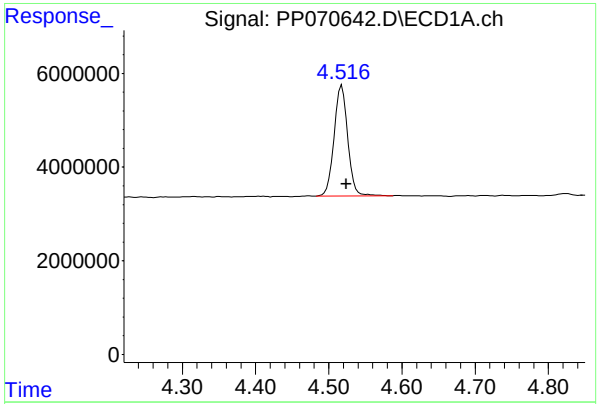
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:16:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







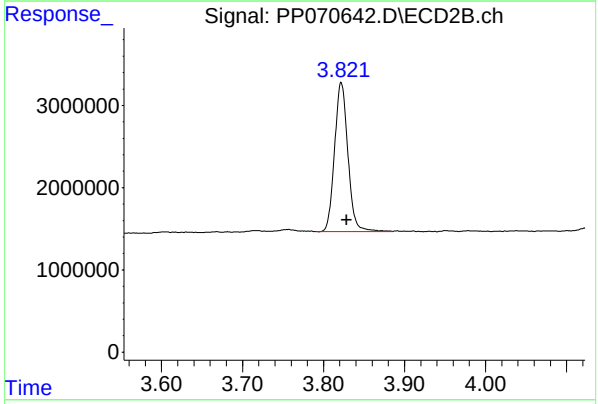
#1 Tetrachloro-m-xylene

R.T.: 4.518 min
Delta R.T.: -0.006 min
Response: 30694100
Conc: 19.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

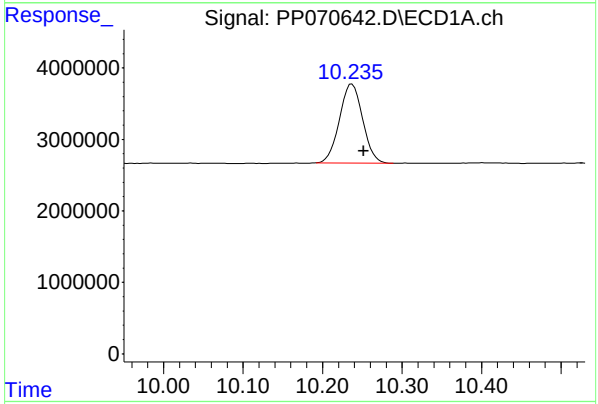
Manual Integrations
APPROVED

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



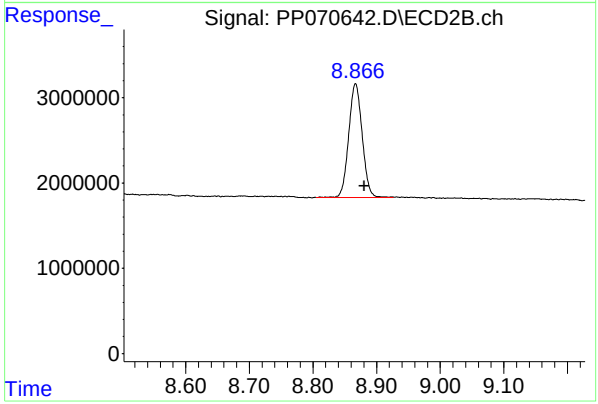
#1 Tetrachloro-m-xylene

R.T.: 3.822 min
Delta R.T.: -0.007 min
Response: 20862902
Conc: 20.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: -0.015 min
Response: 22416005
Conc: 21.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.866 min
Delta R.T.: -0.015 min
Response: 19795482
Conc: 20.23 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PP070651.D	SDG No.:	Q1573
Lab Sample ID:	I.BLK-PP070651.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070651.D	1		03/18/25	PP031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		60 - 140	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 12:24
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 19 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	30517654	20605738	19.621	20.559
2)	SA Decachlor...	10.239	8.868	22711828	20116072	21.379	20.561
	Target Compounds						

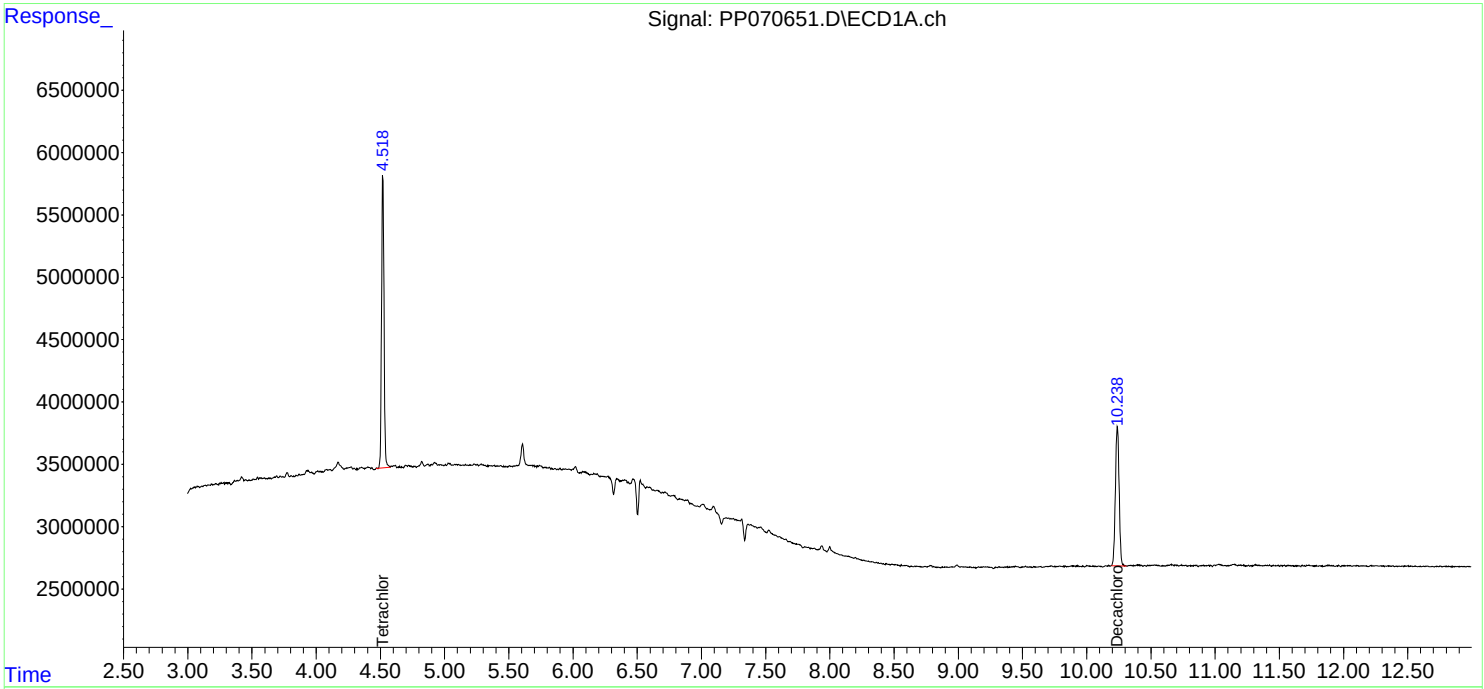
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

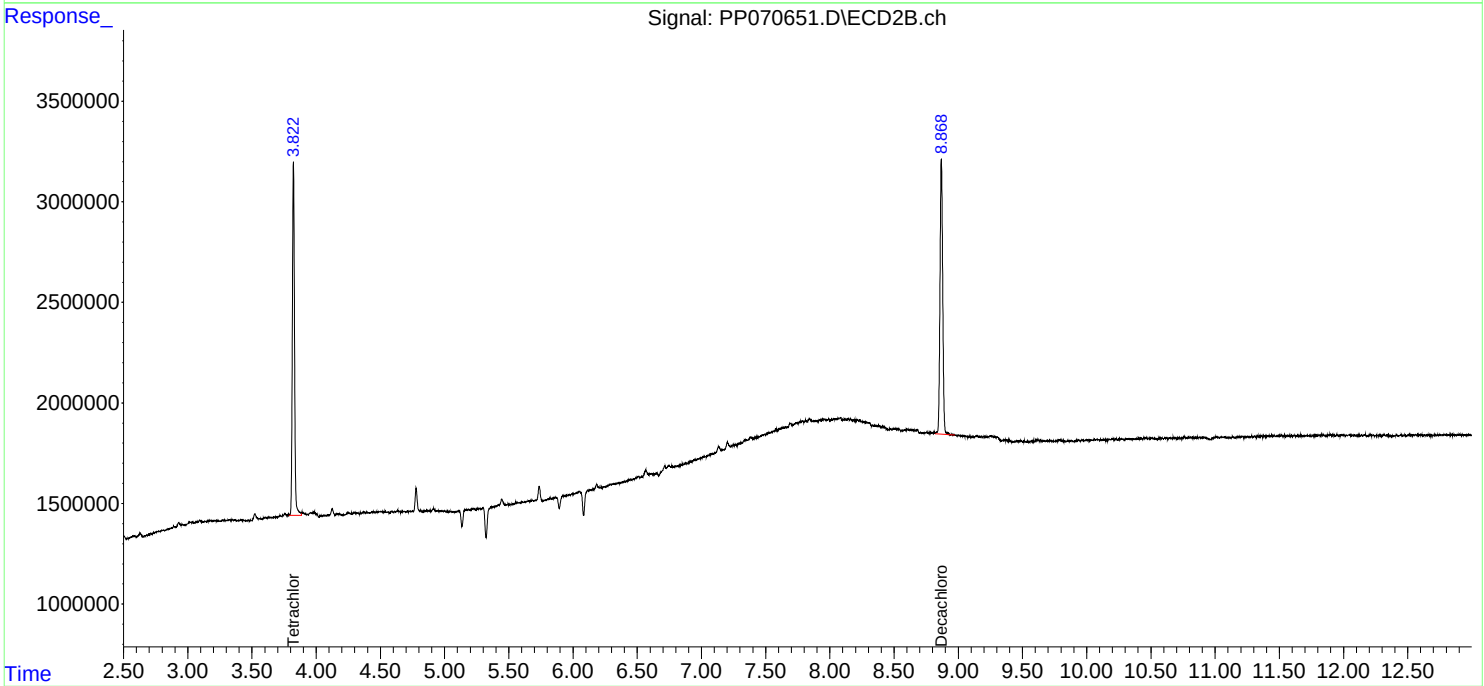
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 12:24
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

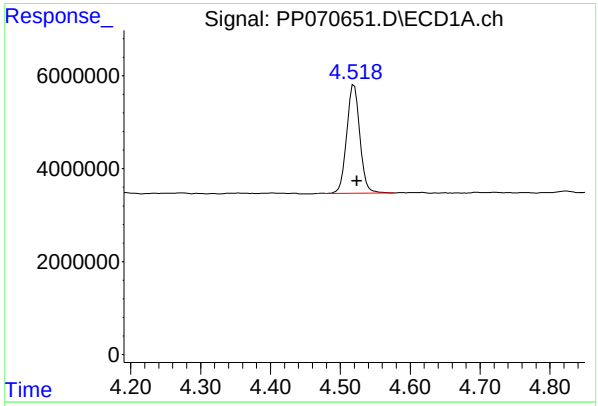
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



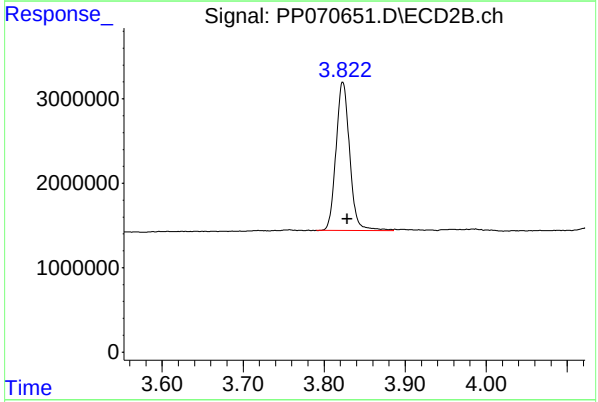




#1 Tetrachloro-m-xylene

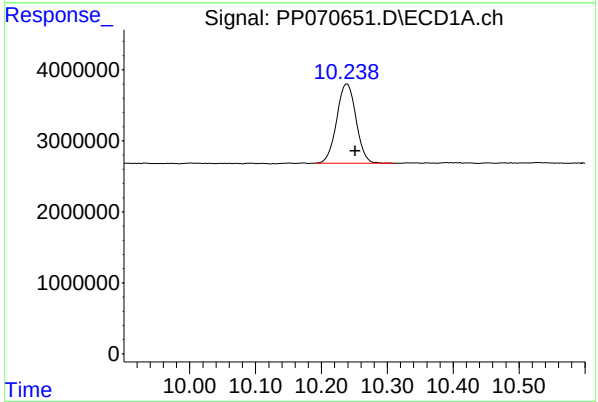
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 30517654
Conc: 19.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



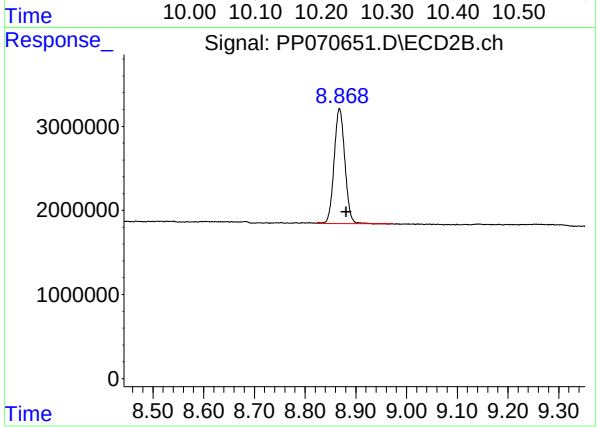
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 20605738
Conc: 20.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.012 min
Response: 22711828
Conc: 21.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 20116072
Conc: 20.56 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167154BS	SDG No.:	Q1573
Lab Sample ID:	PB167154BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070595.D	1	03/17/25 08:35	03/17/25 15:38	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	167		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	159		3.20	17.0	ug/kg
Total PCBs	Total PCBs	326		7.10	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		32 - 175	114%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:38
Operator : YP\AJ
Sample : PB167154BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167154BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.524	3.826	33821840	23096522	21.745	23.044
2)	SA Decachlor...	10.245	8.872	24224282	20867008	22.803	21.329
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.912	24231245	18175994	467.323	505.555
4)	L1 AR-1016-2	5.698	4.931	36161083	26060056	505.432	501.476
5)	L1 AR-1016-3	5.760	5.108	21793618	14412012	478.582	506.513
6)	L1 AR-1016-4	5.857	5.150	18358793	11373330	470.283	507.967
7)	L1 AR-1016-5	6.150	5.365	16097415	14468581	464.947	486.848
31)	L7 AR-1260-1	7.269	6.401	31062244	25158885	528.825	505.357
32)	L7 AR-1260-2	7.522	6.589	42552583	32618783	518.662	493.570
33)	L7 AR-1260-3	7.881	6.743	28734101	28188181	436.970	492.823
34)	L7 AR-1260-4	8.105	7.214	29525904	21217315	451.862	414.696
35)	L7 AR-1260-5	8.425	7.456	60888238	53655907	445.488	416.631

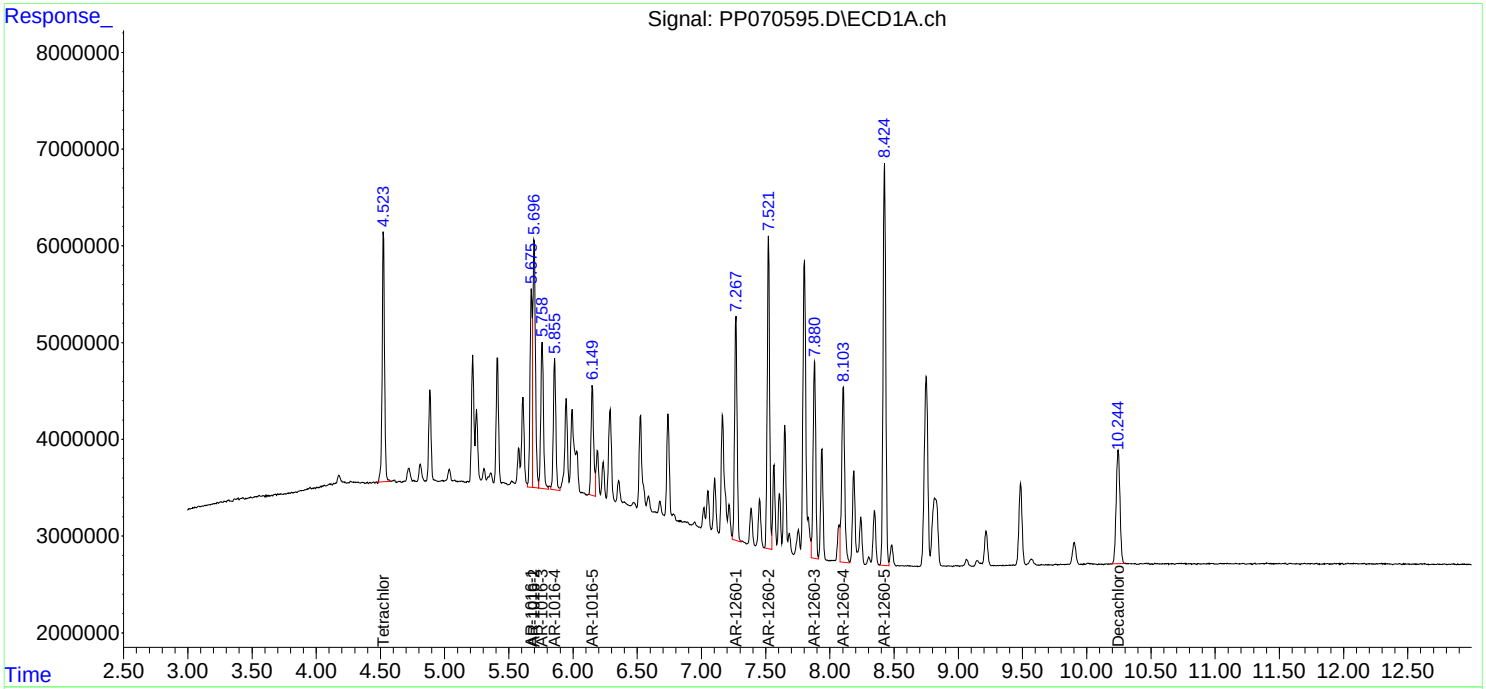
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

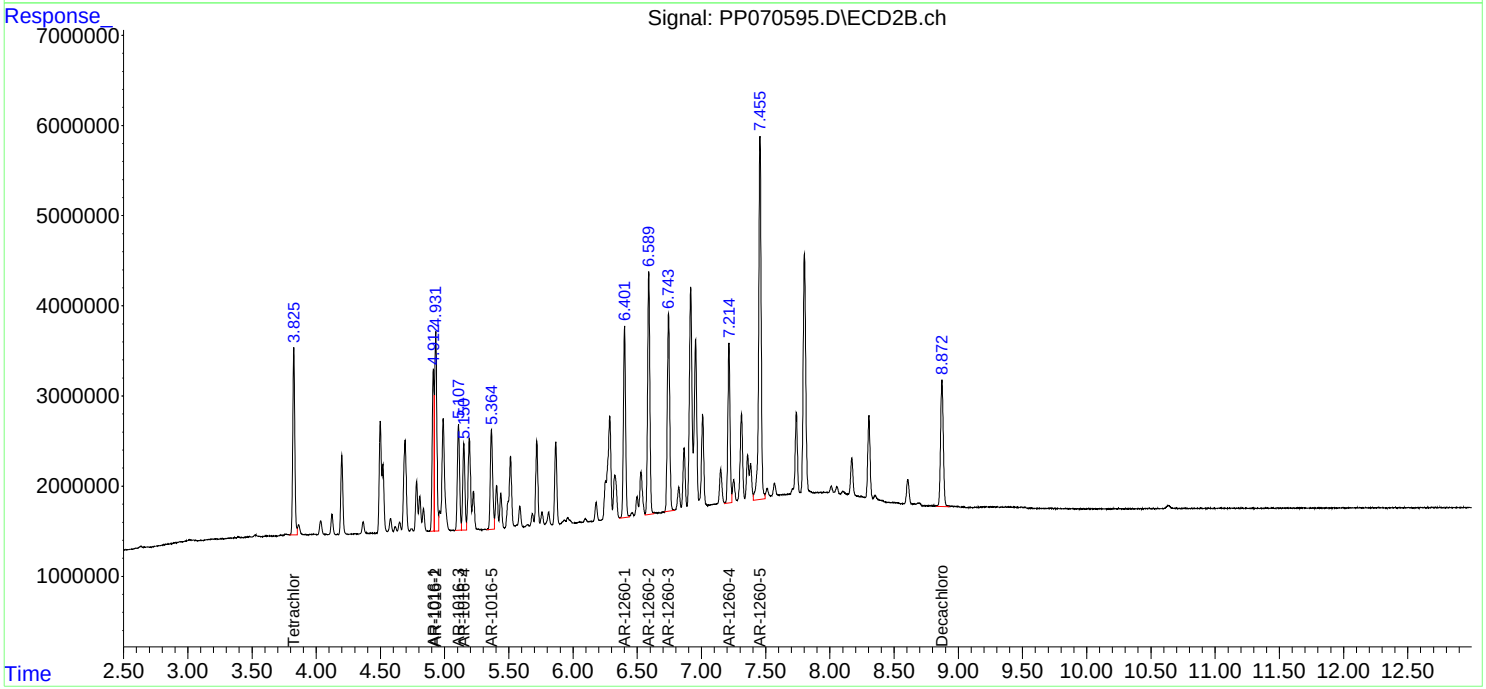
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:38
Operator : YP\AJ
Sample : PB167154BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

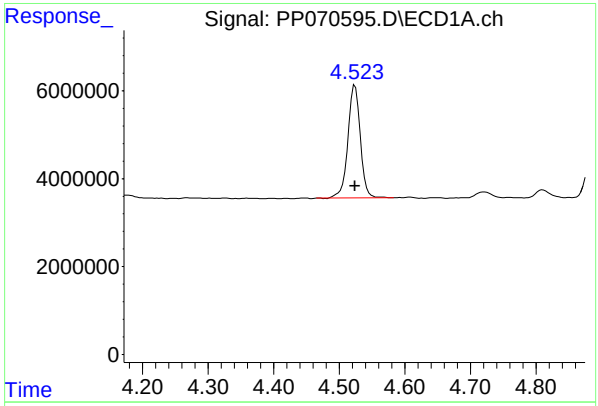
Instrument :
ECD_P
ClientSampleId :
PB167154BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



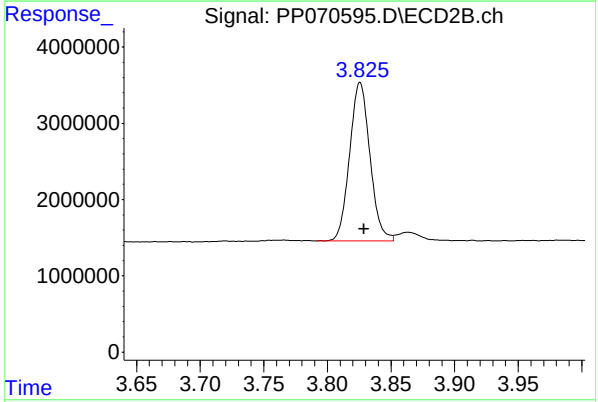




#1 Tetrachloro-m-xylene

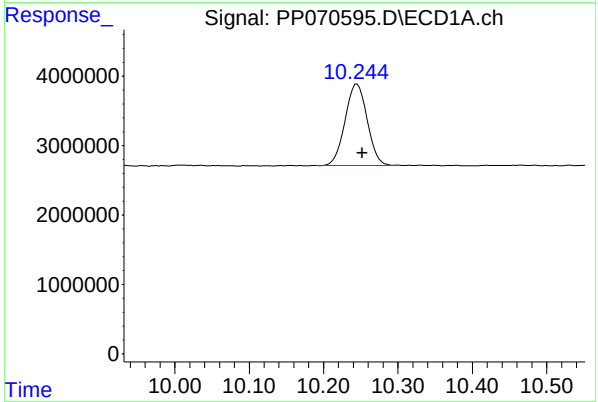
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 33821840
Conc: 21.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167154BS



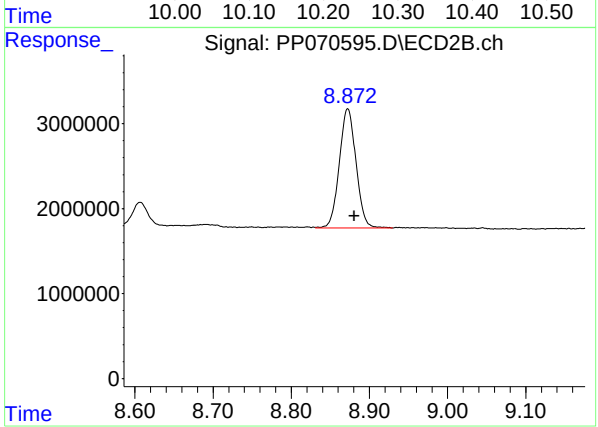
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 23096522
Conc: 23.04 ng/ml



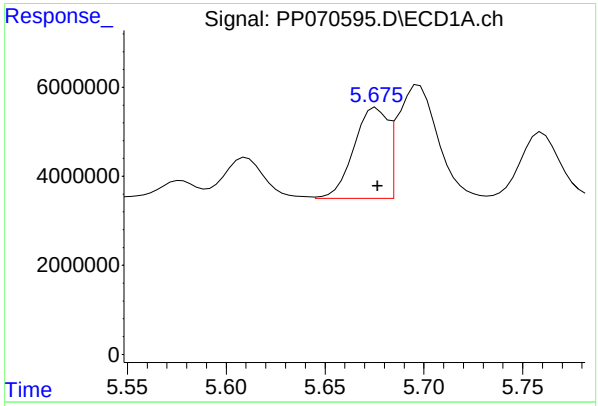
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 24224282
Conc: 22.80 ng/ml



#2 Decachlorobiphenyl

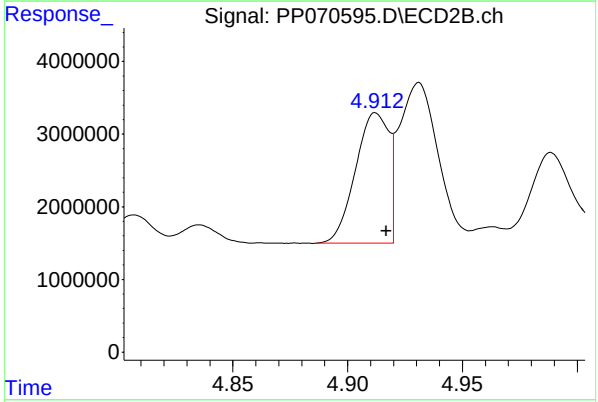
R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 20867008
Conc: 21.33 ng/ml



#3 AR-1016-1

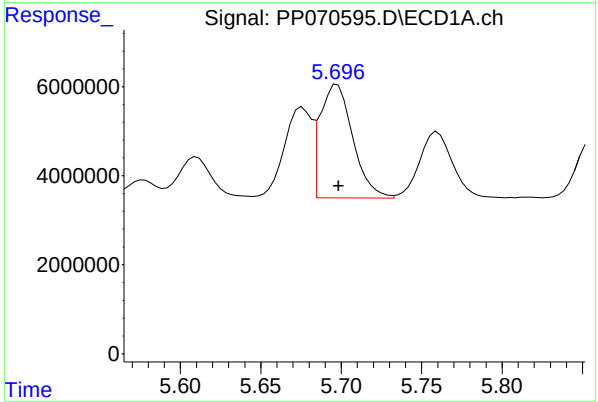
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 24231245
Conc: 467.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167154BS



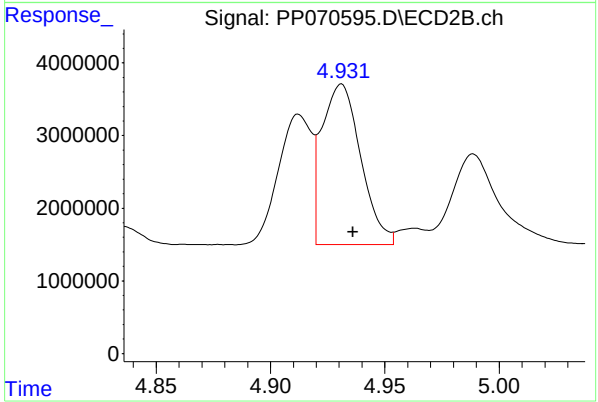
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18175994
Conc: 505.56 ng/ml



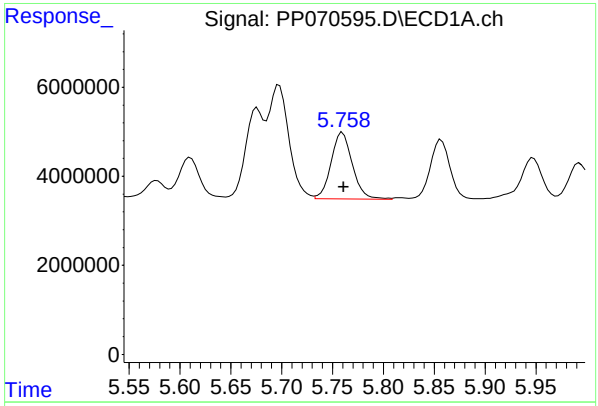
#4 AR-1016-2

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 36161083
Conc: 505.43 ng/ml



#4 AR-1016-2

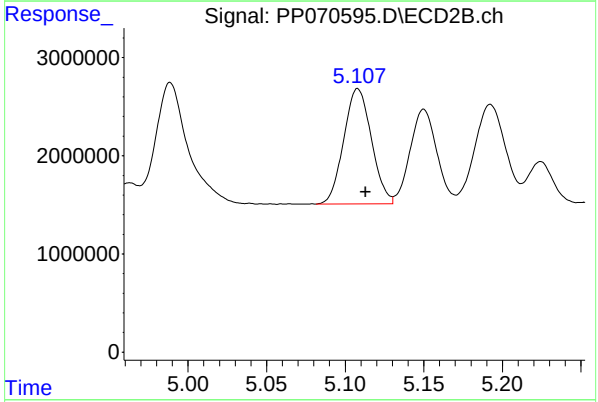
R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 26060056
Conc: 501.48 ng/ml



#5 AR-1016-3

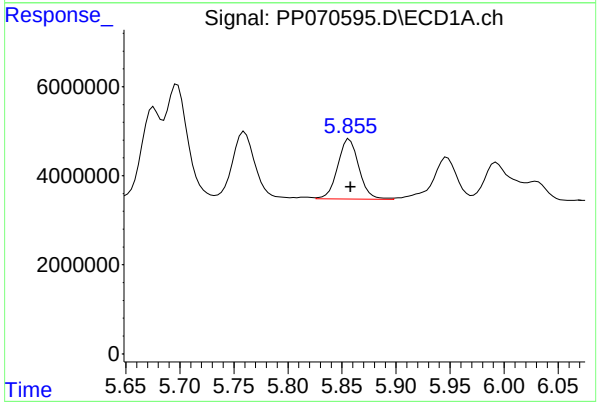
R.T.: 5.760 min
Delta R.T.: -0.001 min
Response: 21793618
Conc: 478.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167154BS



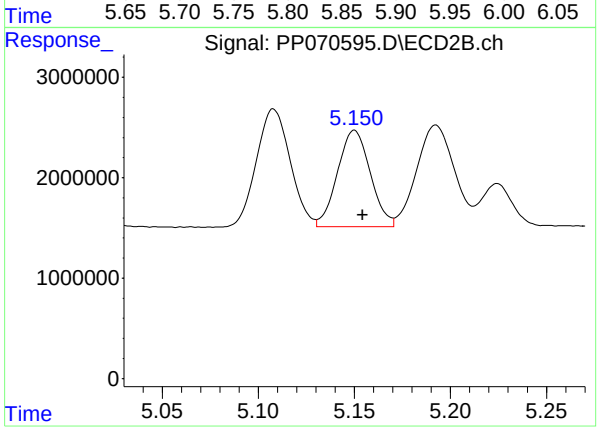
#5 AR-1016-3

R.T.: 5.108 min
Delta R.T.: -0.005 min
Response: 14412012
Conc: 506.51 ng/ml



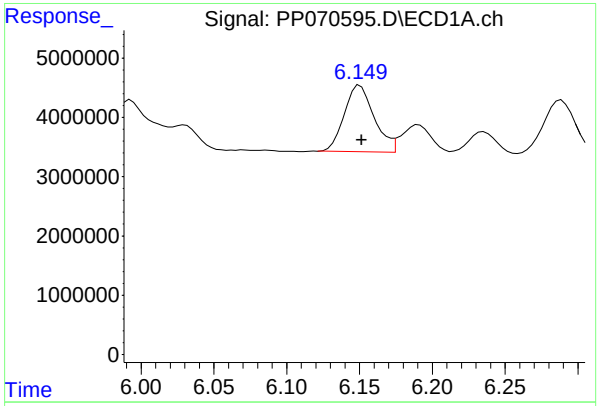
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 18358793
Conc: 470.28 ng/ml



#6 AR-1016-4

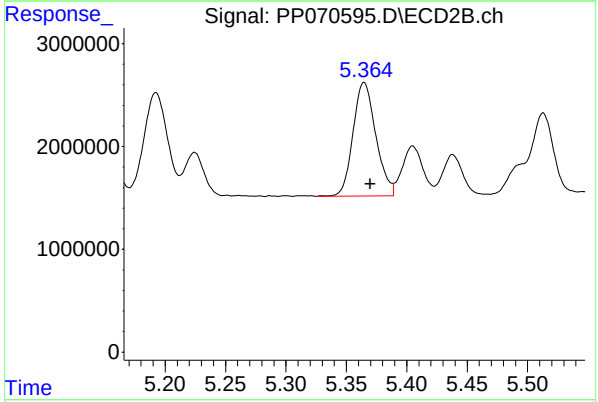
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 11373330
Conc: 507.97 ng/ml



#7 AR-1016-5

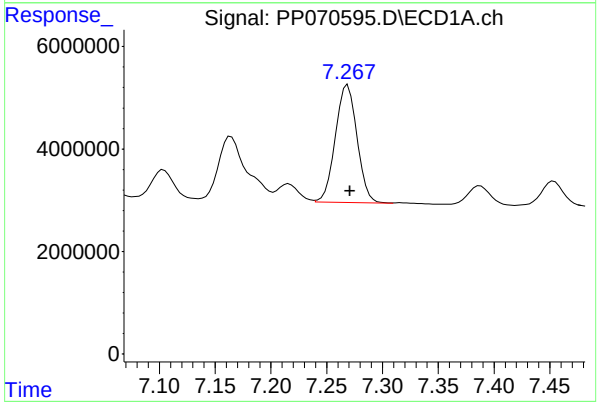
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 16097415
Conc: 464.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167154BS



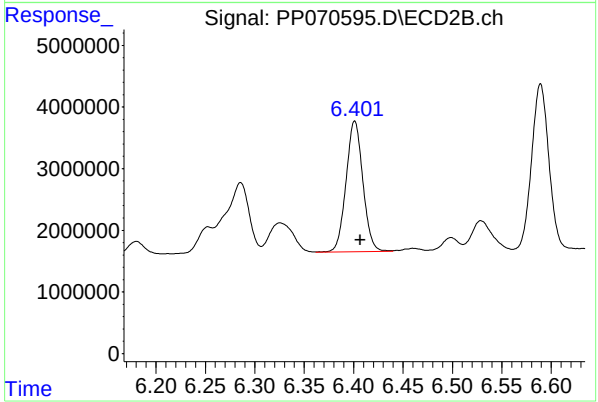
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 14468581
Conc: 486.85 ng/ml



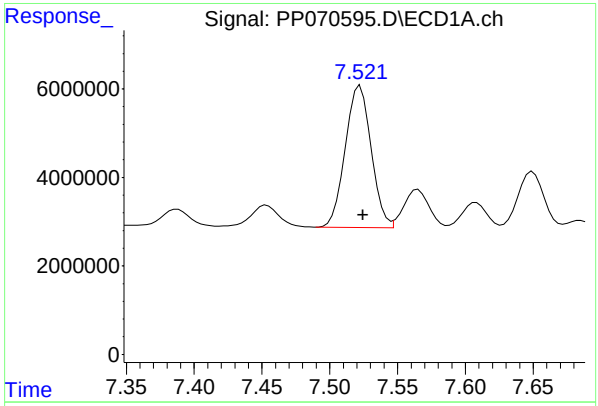
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.002 min
Response: 31062244
Conc: 528.83 ng/ml



#31 AR-1260-1

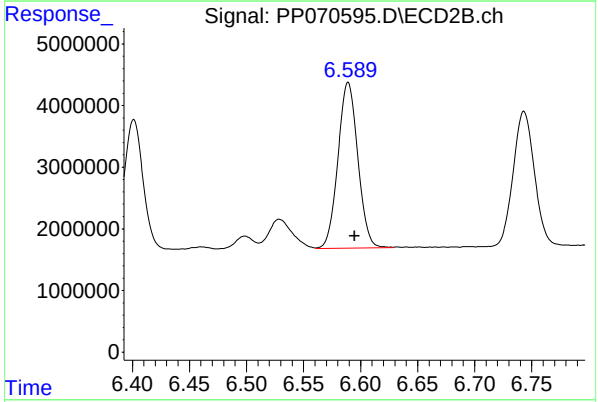
R.T.: 6.401 min
Delta R.T.: -0.006 min
Response: 25158885
Conc: 505.36 ng/ml



#32 AR-1260-2

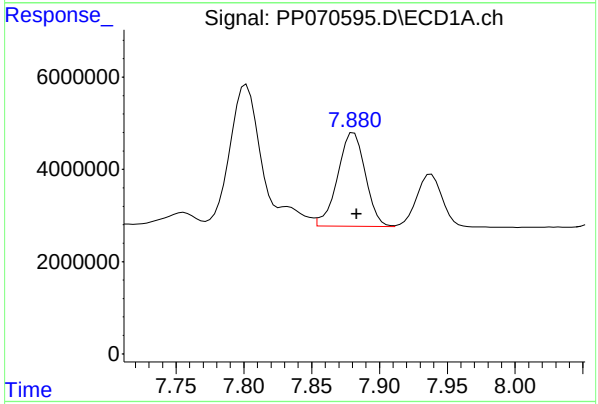
R.T.: 7.522 min
Delta R.T.: -0.002 mi
Response: 42552583
Conc: 518.66 ng/m

Instrument :
ECD_P
ClientSampleId :
PB167154BS



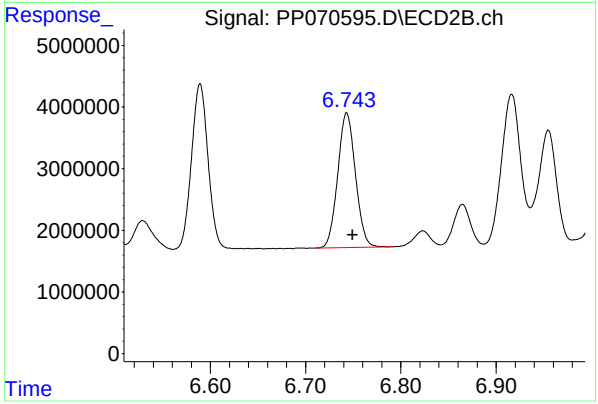
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 32618783
Conc: 493.57 ng/ml



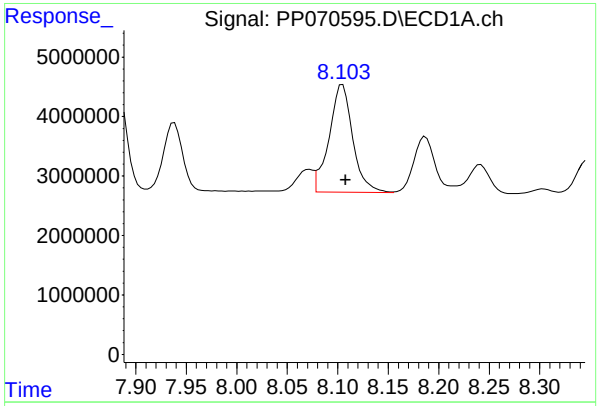
#33 AR-1260-3

R.T.: 7.881 min
Delta R.T.: -0.002 min
Response: 28734101
Conc: 436.97 ng/ml



#33 AR-1260-3

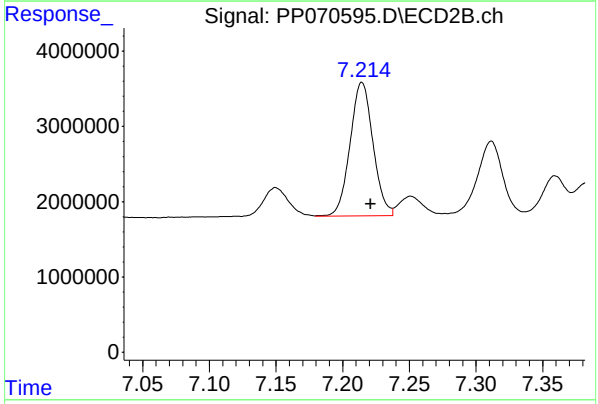
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 28188181
Conc: 492.82 ng/ml



#34 AR-1260-4

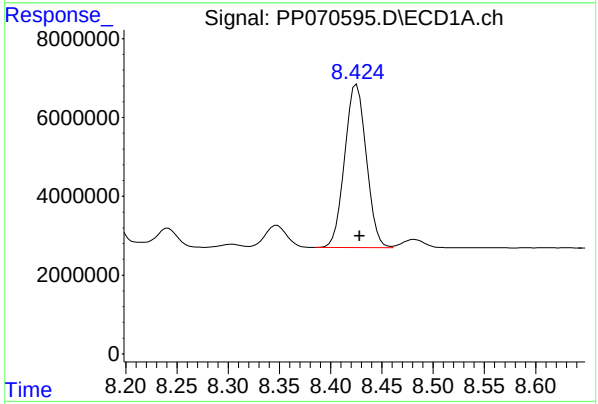
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 29525904
Conc: 451.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167154BS



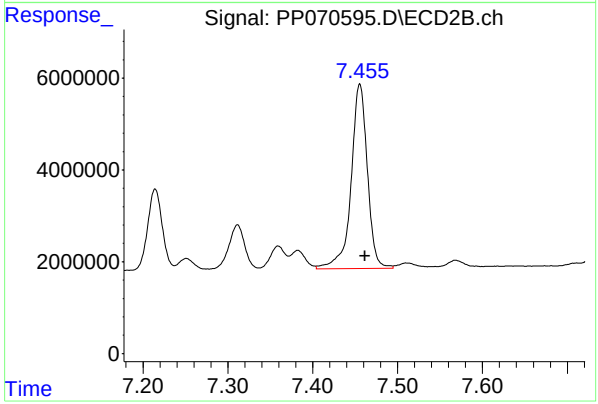
#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 21217315
Conc: 414.70 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.003 min
Response: 60888238
Conc: 445.49 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 53655907
Conc: 416.63 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167172BS	SDG No.:	Q1573
Lab Sample ID:	PB167172BS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070627.D	1	03/17/25 09:35	03/18/25 01:23	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.20		0.081	0.50	ug/L
Total PCBs	Total PCBs	8.80		0.18	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		16 - 158	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		10 - 173	105%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:23
Operator : YP\AJ
Sample : PB167172BS
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167172BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.522	3.823	32870051	22016223	21.133	21.966
2)	SA Decachlor...	10.242	8.869	22398343	18912488	21.084	19.331
	Target Compounds						
3)	L1 AR-1016-1	5.674	4.909	22027079	16439591	424.813	457.258
4)	L1 AR-1016-2	5.695	4.928	32651520	23189667	456.378	446.241
5)	L1 AR-1016-3	5.758	5.106	19847390	13054204	435.843	458.792
6)	L1 AR-1016-4	5.855	5.147	16984329	10329276	435.074	461.336
7)	L1 AR-1016-5	6.148	5.362	14866342	13261893	429.390	446.245
31)	L7 AR-1260-1	7.267	6.398	27250532	22419165	463.932	450.325
32)	L7 AR-1260-2	7.520	6.586	37713113	28734061	459.675	434.788
33)	L7 AR-1260-3	7.879	6.740	25394547	24440448	386.184	427.300
34)	L7 AR-1260-4	8.103	7.212	26166823	18113956	400.455	354.040
35)	L7 AR-1260-5	8.423	7.453	55112285	46539540	403.228	361.373

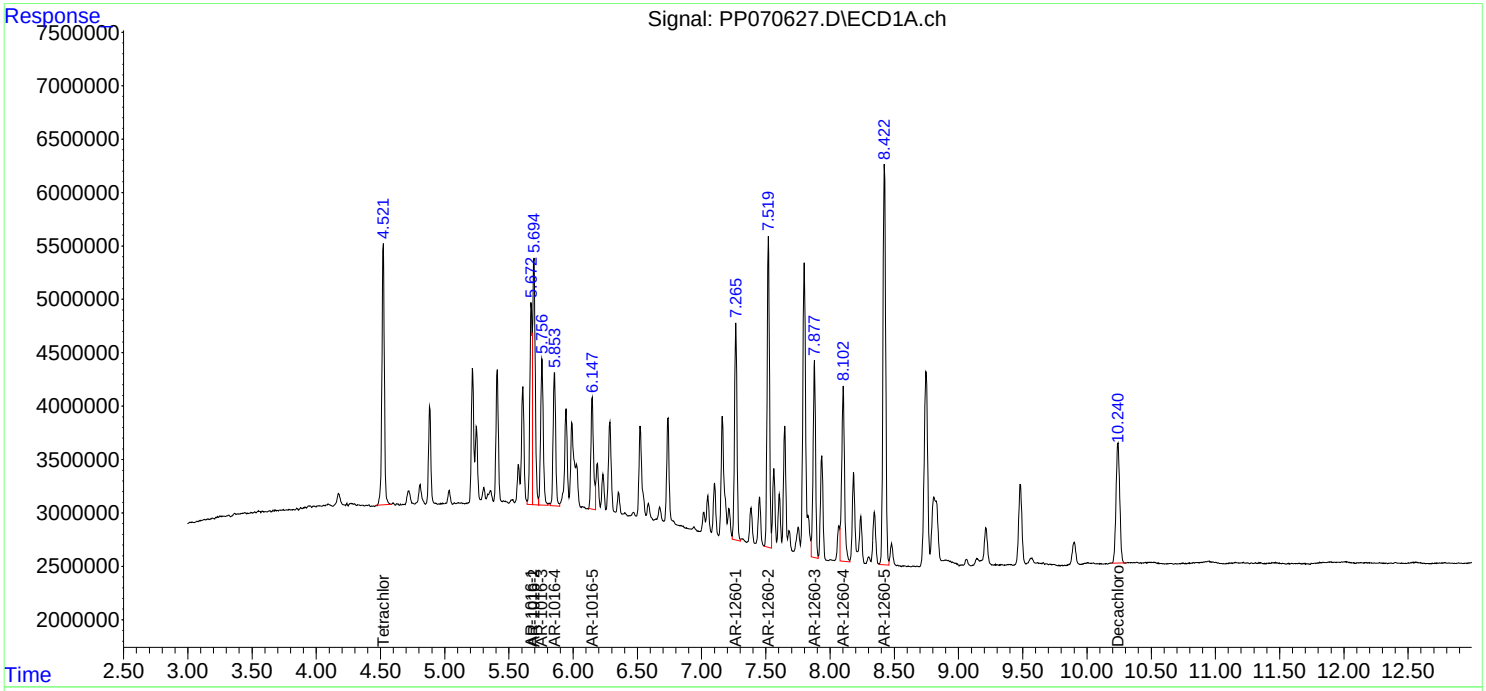
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

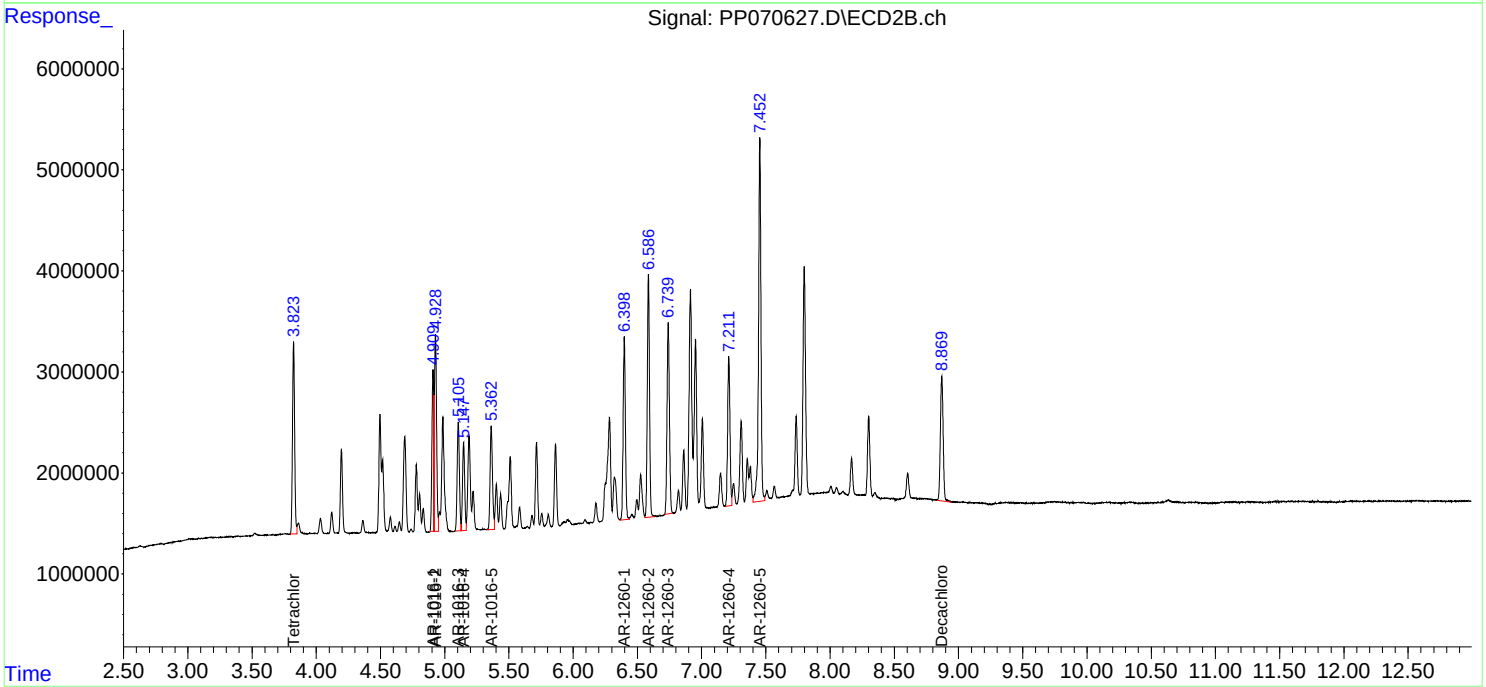
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:23
Operator : YP\AJ
Sample : PB167172BS
Misc :
ALS Vial : 40 Sample Multiplier: 1

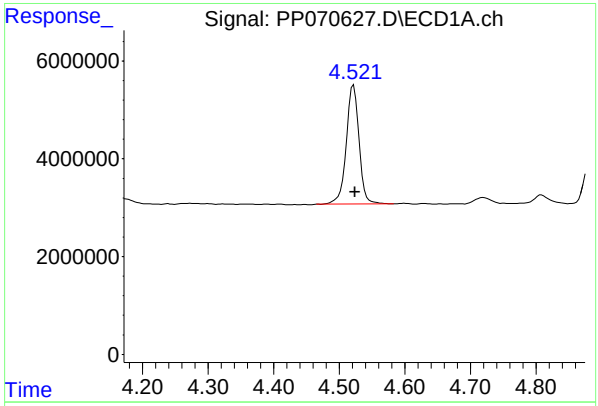
Instrument :
ECD_P
ClientSampleId :
PB167172BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



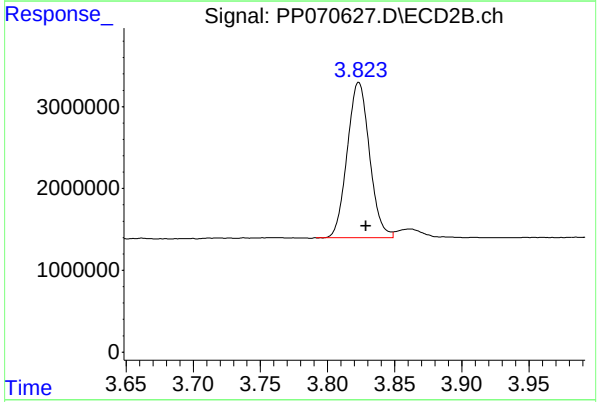




#1 Tetrachloro-m-xylene

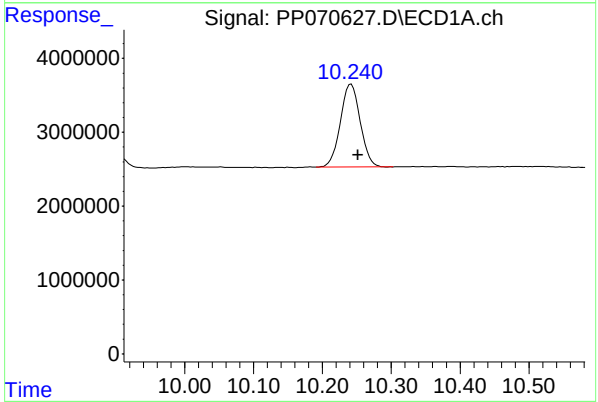
R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 32870051
Conc: 21.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BS



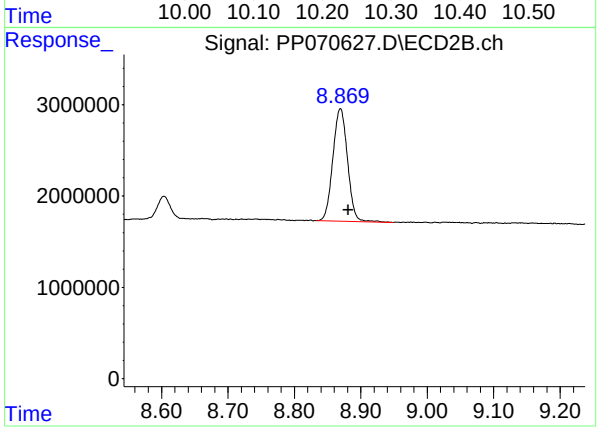
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 22016223
Conc: 21.97 ng/ml



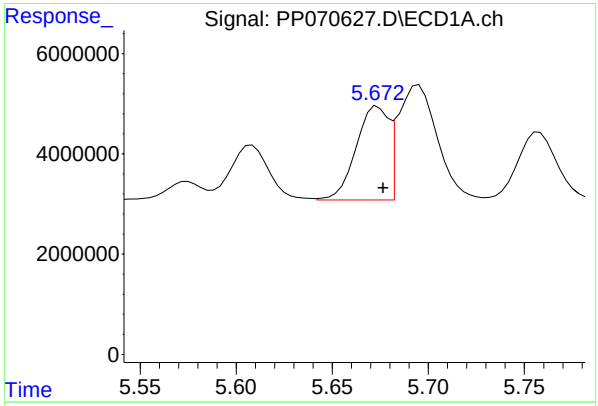
#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 22398343
Conc: 21.08 ng/ml



#2 Decachlorobiphenyl

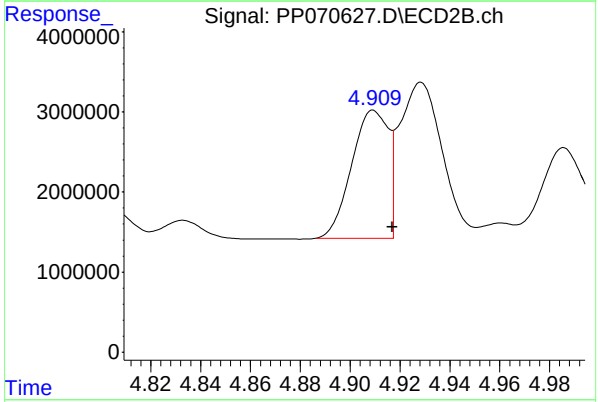
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 18912488
Conc: 19.33 ng/ml



#3 AR-1016-1

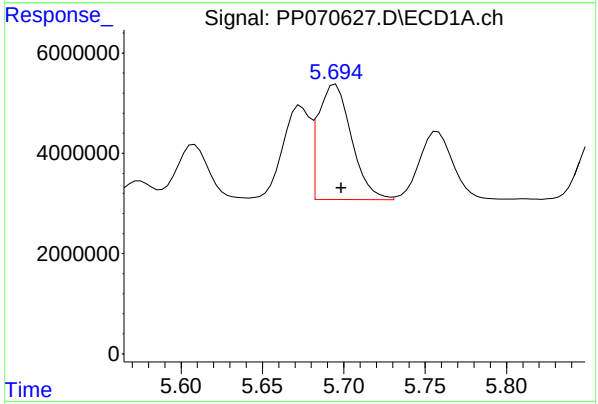
R.T.: 5.674 min
Delta R.T.: -0.003 min
Response: 22027079
Conc: 424.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BS



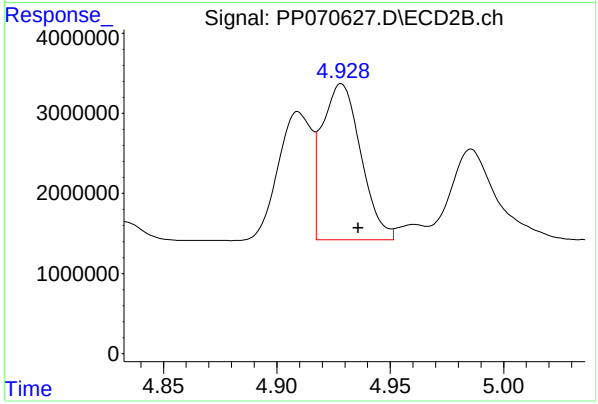
#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.007 min
Response: 16439591
Conc: 457.26 ng/ml



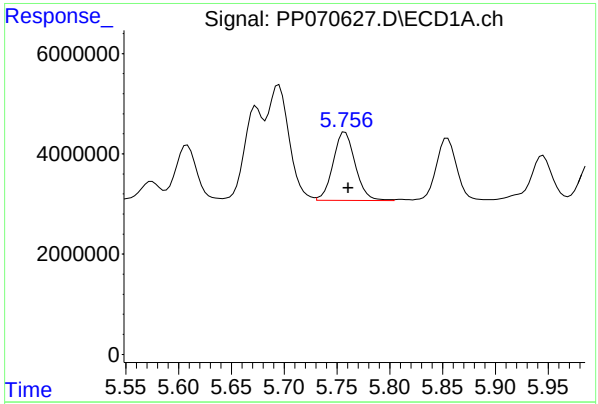
#4 AR-1016-2

R.T.: 5.695 min
Delta R.T.: -0.004 min
Response: 32651520
Conc: 456.38 ng/ml



#4 AR-1016-2

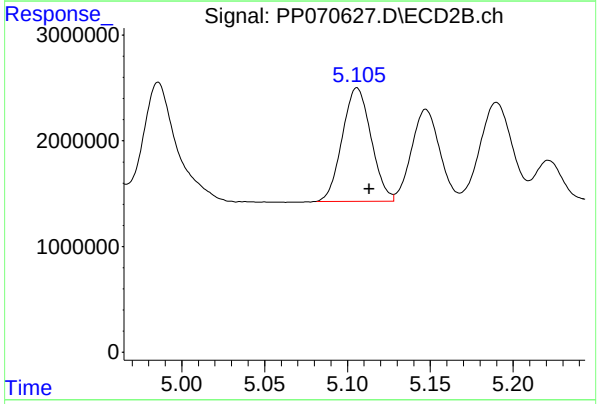
R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 23189667
Conc: 446.24 ng/ml



#5 AR-1016-3

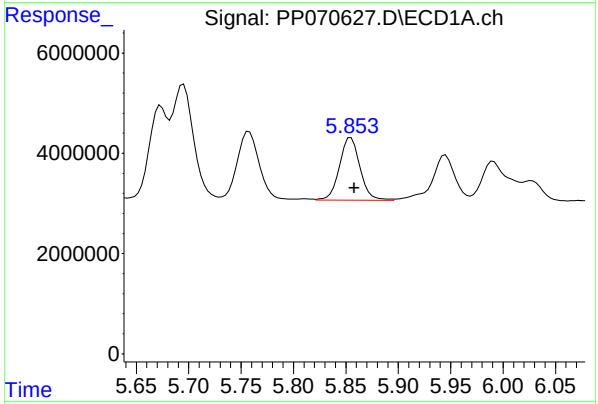
R.T.: 5.758 min
Delta R.T.: -0.003 min
Response: 19847390
Conc: 435.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BS



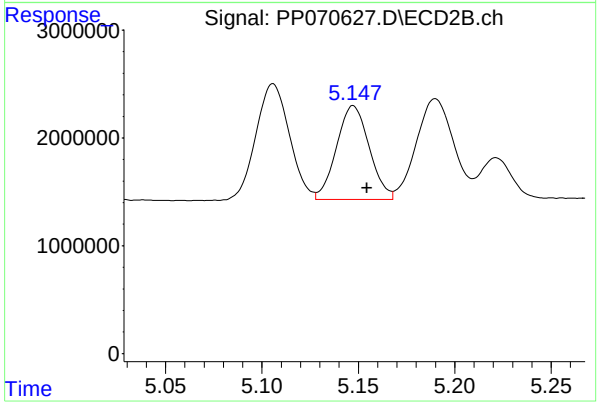
#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.007 min
Response: 13054204
Conc: 458.79 ng/ml



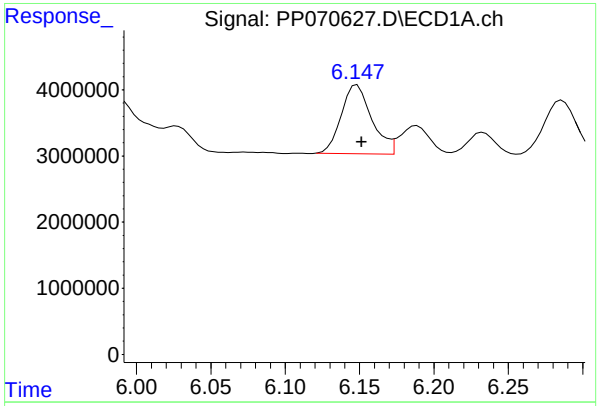
#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 16984329
Conc: 435.07 ng/ml



#6 AR-1016-4

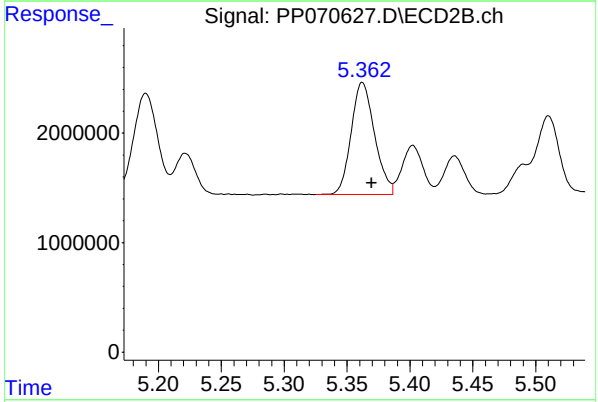
R.T.: 5.147 min
Delta R.T.: -0.007 min
Response: 10329276
Conc: 461.34 ng/ml



#7 AR-1016-5

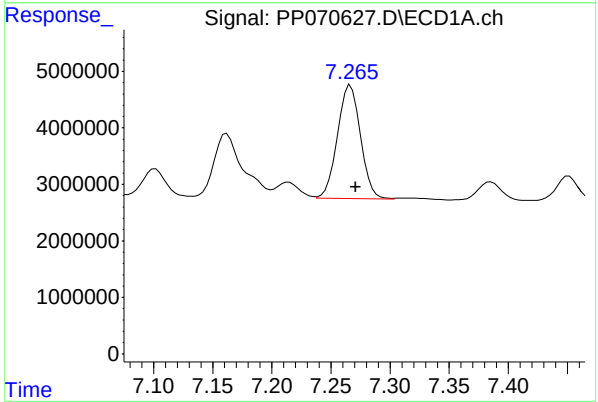
R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 14866342
Conc: 429.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BS



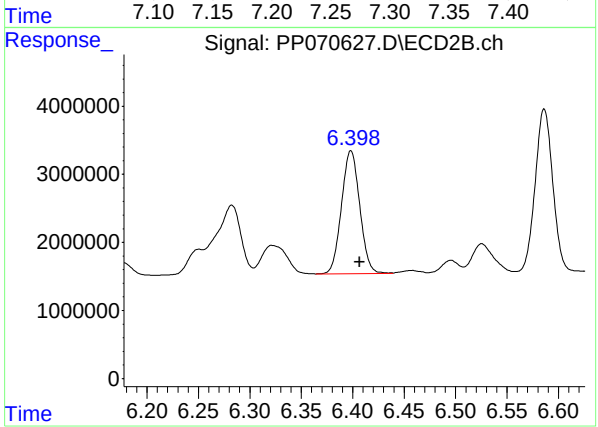
#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.007 min
Response: 13261893
Conc: 446.24 ng/ml



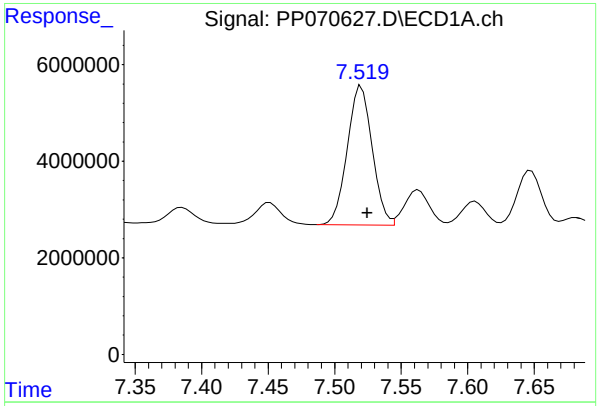
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 27250532
Conc: 463.93 ng/ml



#31 AR-1260-1

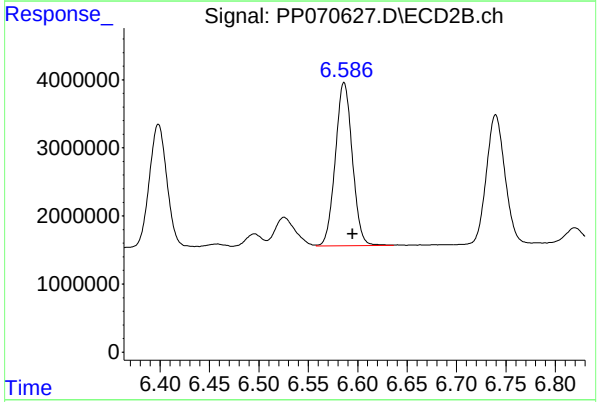
R.T.: 6.398 min
Delta R.T.: -0.008 min
Response: 22419165
Conc: 450.33 ng/ml



#32 AR-1260-2

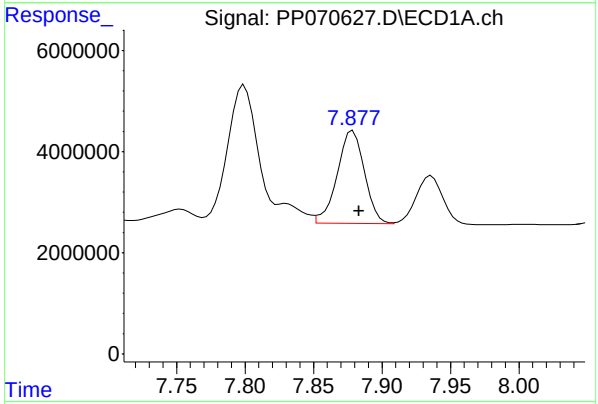
R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 37713113
Conc: 459.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BS



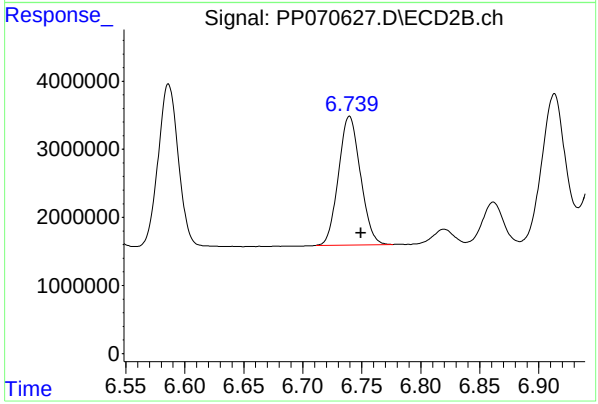
#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 28734061
Conc: 434.79 ng/ml



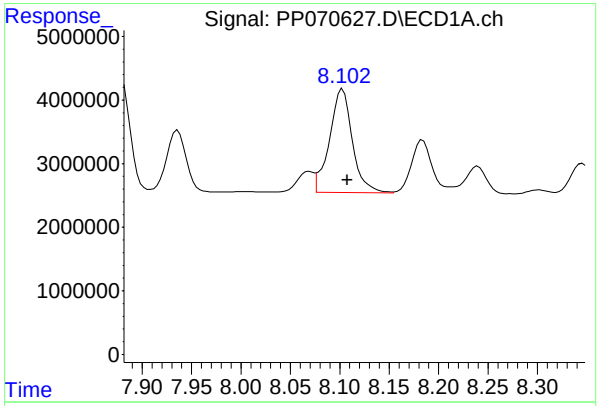
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 25394547
Conc: 386.18 ng/ml



#33 AR-1260-3

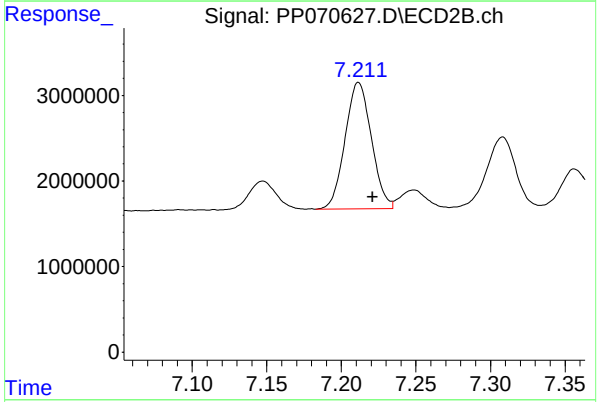
R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 24440448
Conc: 427.30 ng/ml



#34 AR-1260-4

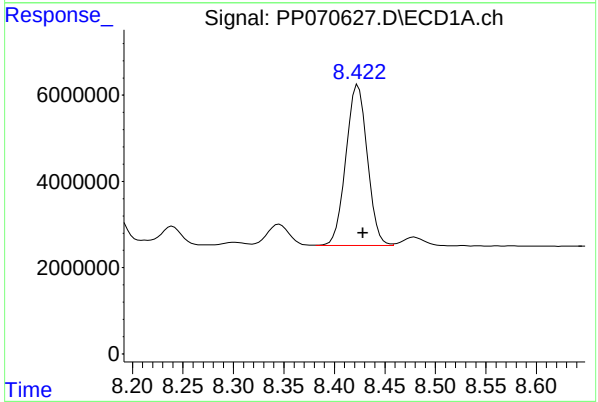
R.T.: 8.103 min
Delta R.T.: -0.005 min
Response: 26166823
Conc: 400.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BS



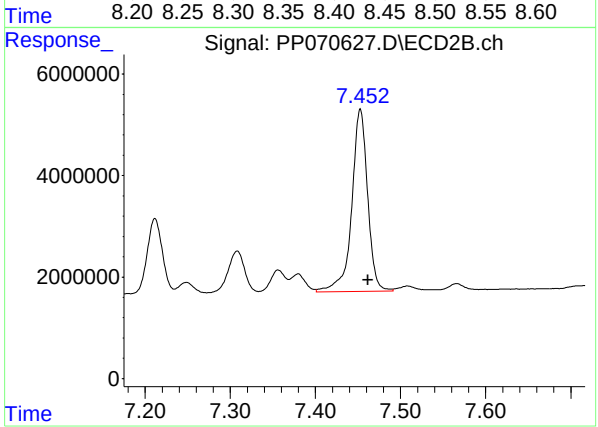
#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.010 min
Response: 18113956
Conc: 354.04 ng/ml



#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 min
Response: 55112285
Conc: 403.23 ng/ml



#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 46539540
Conc: 361.37 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167172BSD	SDG No.:	Q1573
Lab Sample ID:	PB167172BSD	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070628.D	1	03/17/25 09:35	03/18/25 01:39	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.081	0.50	ug/L
Total PCBs	Total PCBs	8.90		0.18	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.6		16 - 158	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		10 - 173	110%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:39
Operator : YP\AJ
Sample : PB167172BSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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	3.823	33599219	22622274	21.602	22.571
2)	SA Decachlor...	10.238	8.868	23355445	19648776	21.985	20.083
	Target Compounds						
3)	L1 AR-1016-1	5.672	4.910	22838763	16519022	440.467	459.468
4)	L1 AR-1016-2	5.693	4.929	33796866	23125858	472.387	445.013
5)	L1 AR-1016-3	5.756	5.106	21703798	12869418	476.609	452.298
6)	L1 AR-1016-4	5.853	5.147	17904771	9995602	458.652	446.433
7)	L1 AR-1016-5	6.145	5.362	14722506	12899059	425.235m	434.036
31)	L7 AR-1260-1	7.265	6.399	28501294	22779039	485.226	457.554
32)	L7 AR-1260-2	7.518	6.586	38789076	29585337	472.790	447.669
33)	L7 AR-1260-3	7.877	6.740	26051838	25160814	396.179	439.895
34)	L7 AR-1260-4	8.100	7.213	27531417	19232897	421.338	375.910
35)	L7 AR-1260-5	8.421	7.454	56189015	48721575	411.106	378.316

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:39
Operator : YP\AJ
Sample : PB167172BSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

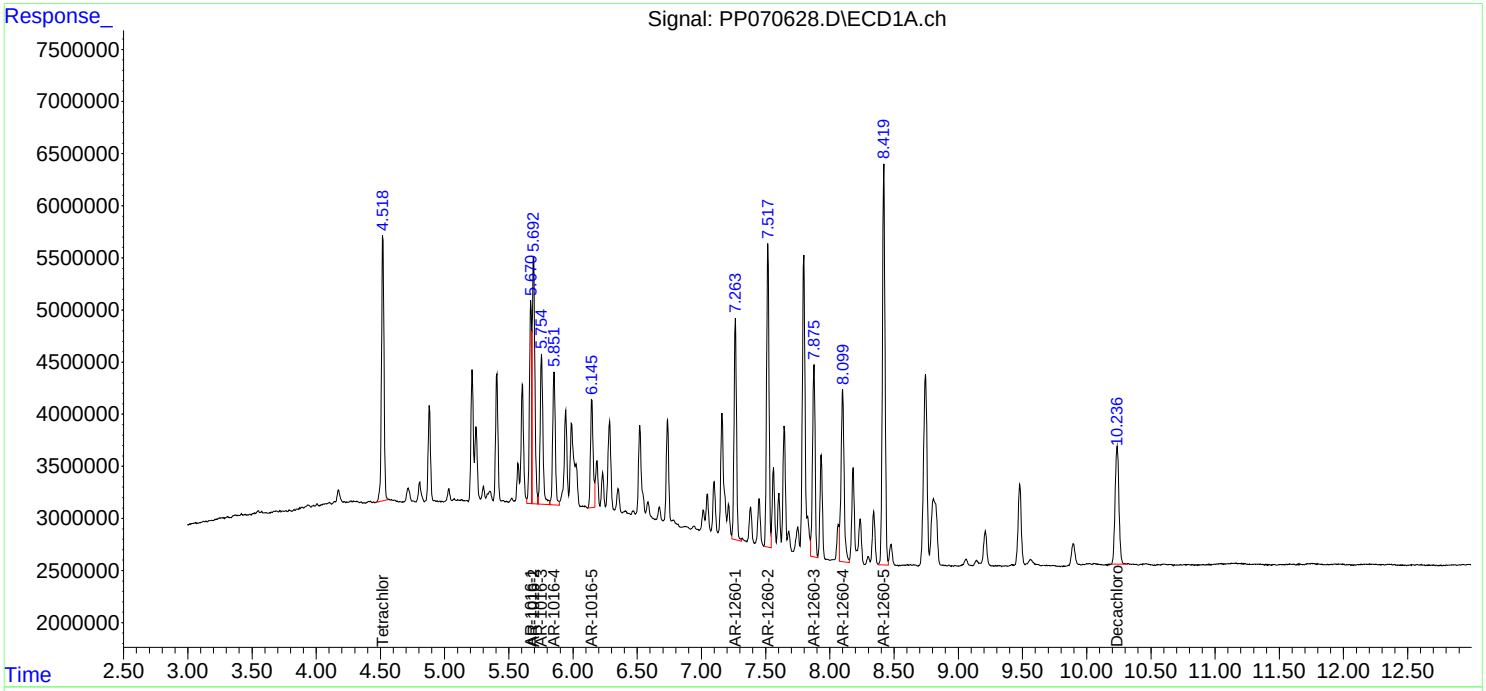
Instrument :
ECD_P
ClientSampleId :
PB167172BSD

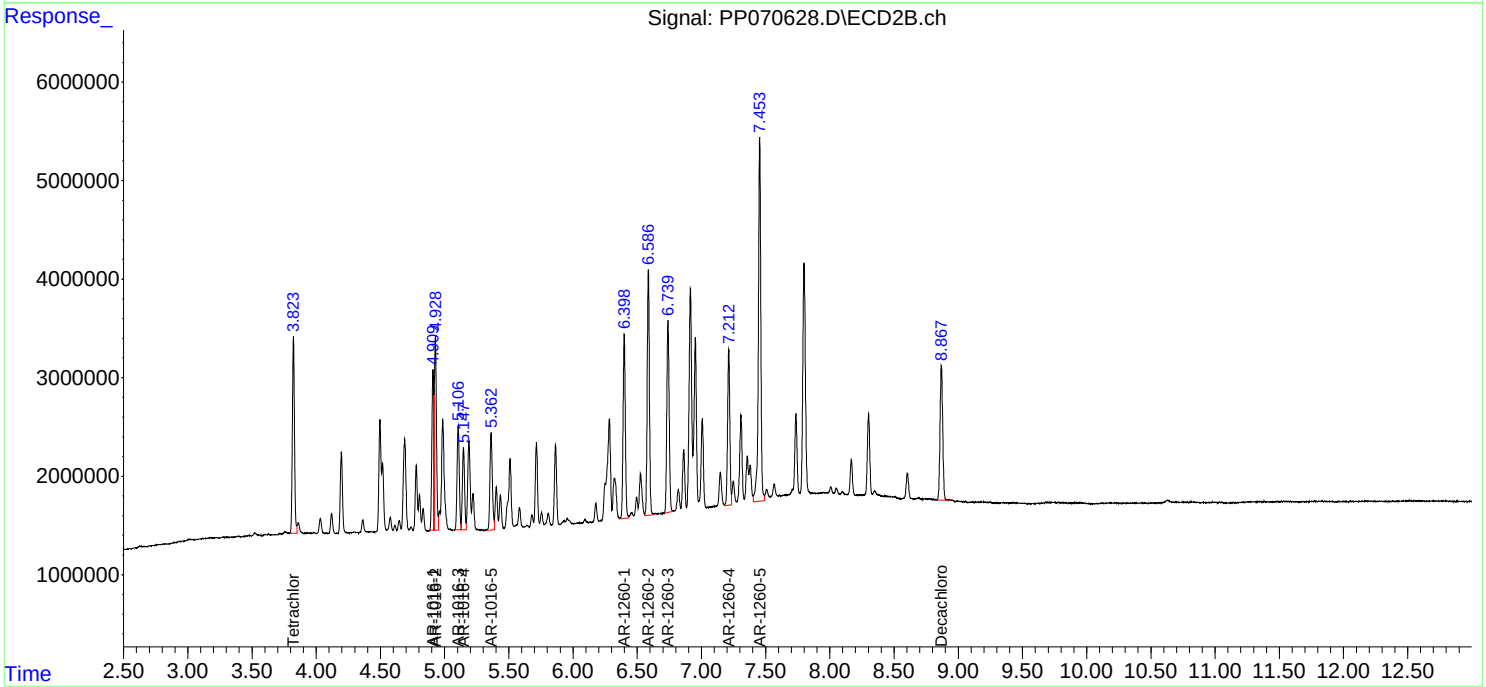
Manual Integrations APPROVED

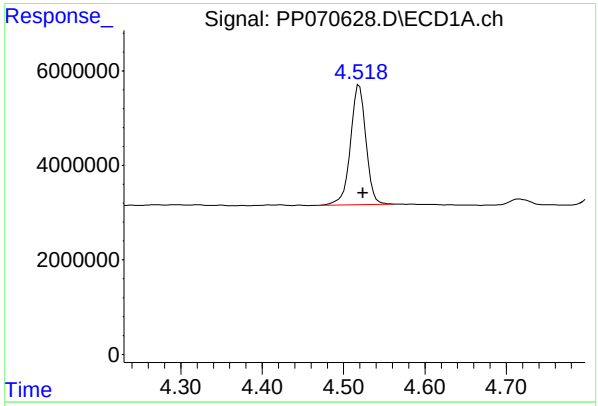
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







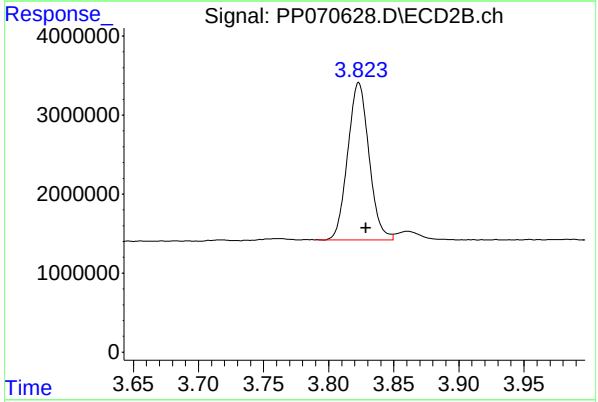
#1 Tetrachloro-m-xylene

R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 33599219
Conc: 21.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

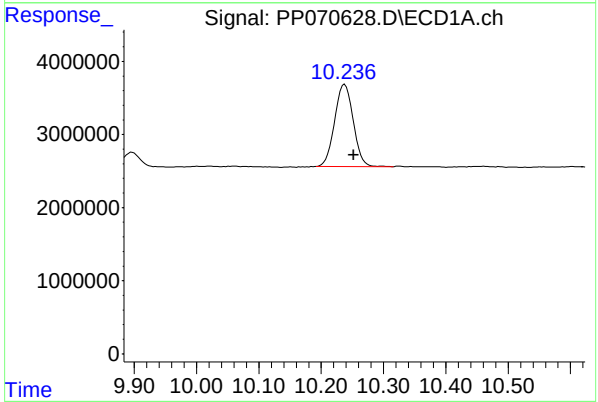
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



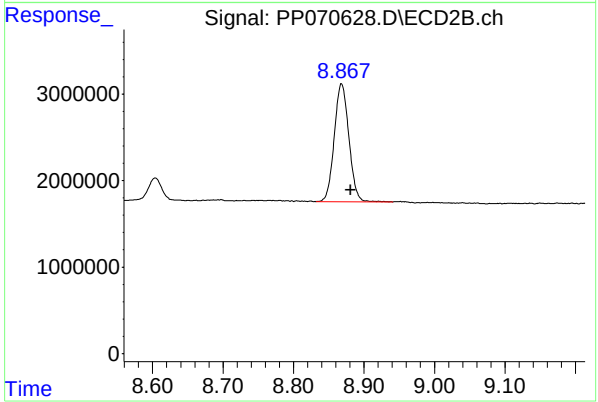
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 22622274
Conc: 22.57 ng/ml



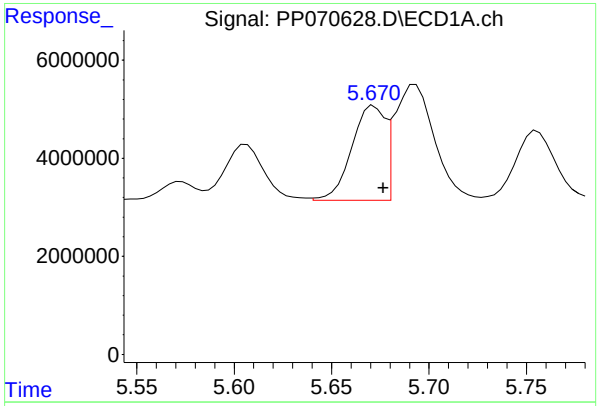
#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 23355445
Conc: 21.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 19648776
Conc: 20.08 ng/ml



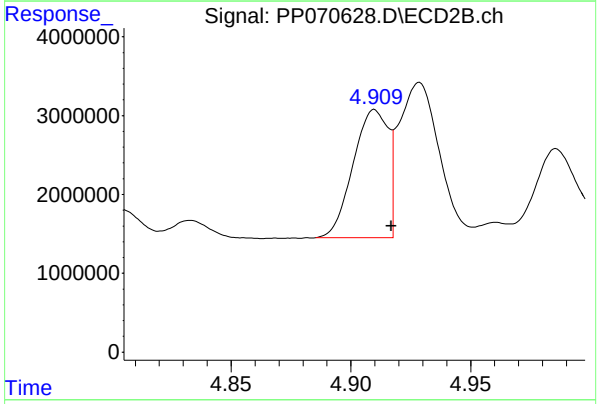
#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.005 min
Response: 22838763
Conc: 440.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

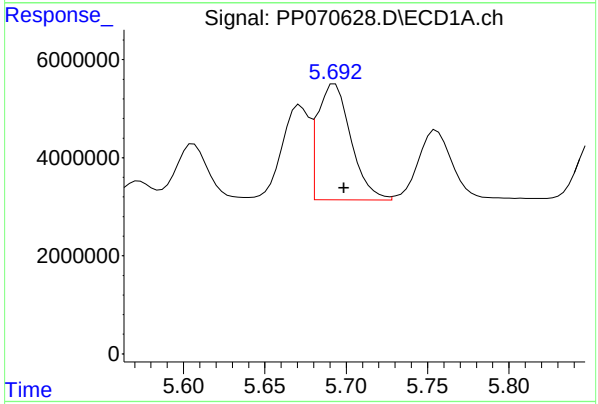
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



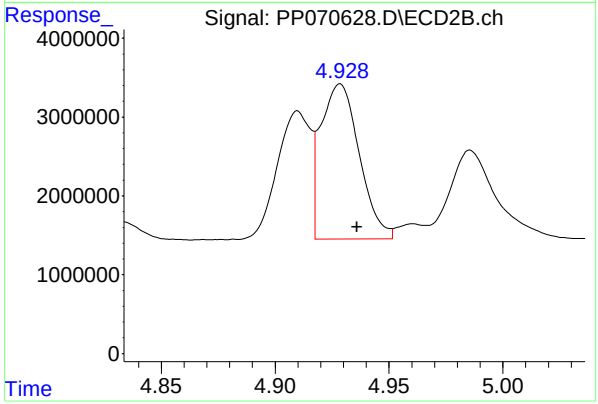
#3 AR-1016-1

R.T.: 4.910 min
Delta R.T.: -0.007 min
Response: 16519022
Conc: 459.47 ng/ml



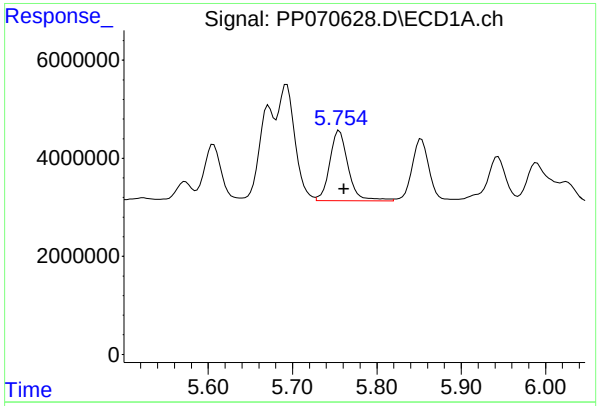
#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: -0.005 min
Response: 33796866
Conc: 472.39 ng/ml



#4 AR-1016-2

R.T.: 4.929 min
Delta R.T.: -0.007 min
Response: 23125858
Conc: 445.01 ng/ml



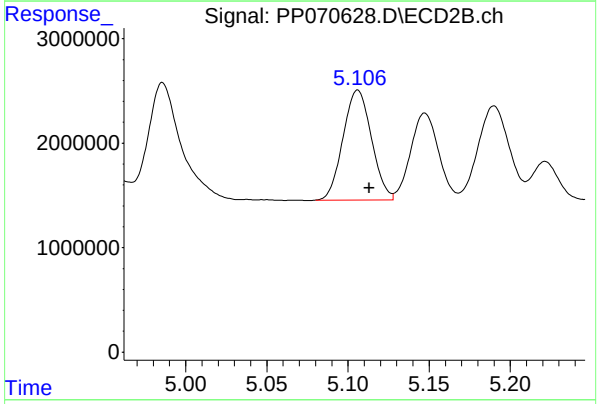
#5 AR-1016-3

R.T.: 5.756 min
Delta R.T.: -0.005 min
Response: 21703798
Conc: 476.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

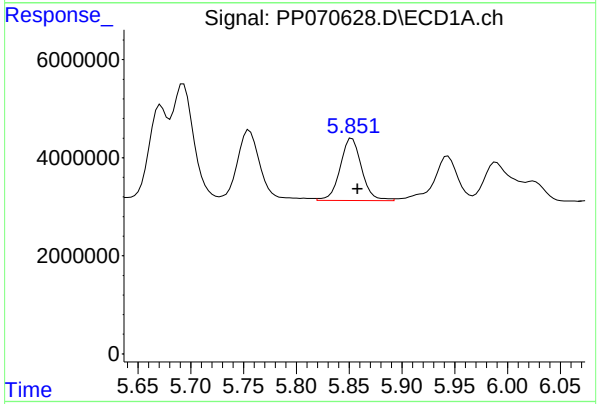
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



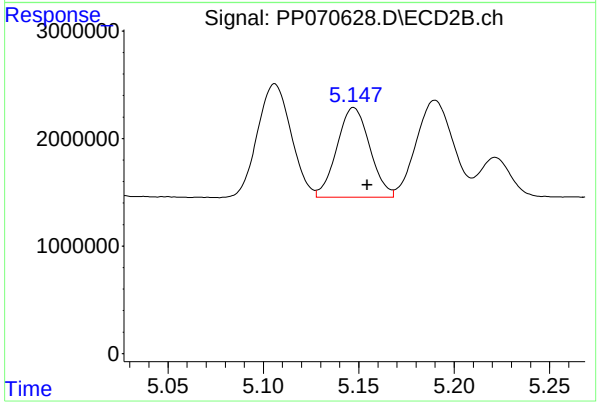
#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.007 min
Response: 12869418
Conc: 452.30 ng/ml



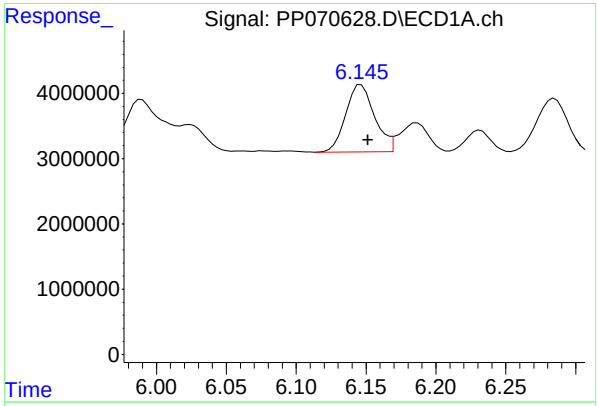
#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 17904771
Conc: 458.65 ng/ml



#6 AR-1016-4

R.T.: 5.147 min
Delta R.T.: -0.007 min
Response: 9995602
Conc: 446.43 ng/ml



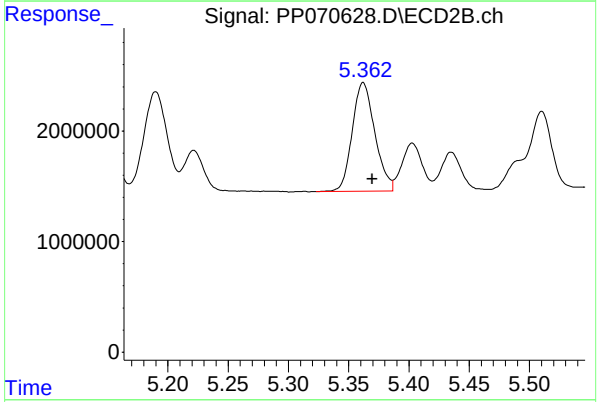
#7 AR-1016-5

R.T.: 6.145 min
Delta R.T.: -0.006 min
Response: 14722506
Conc: 425.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

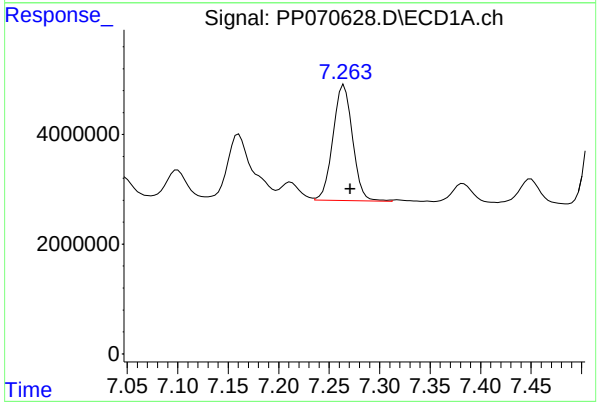
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



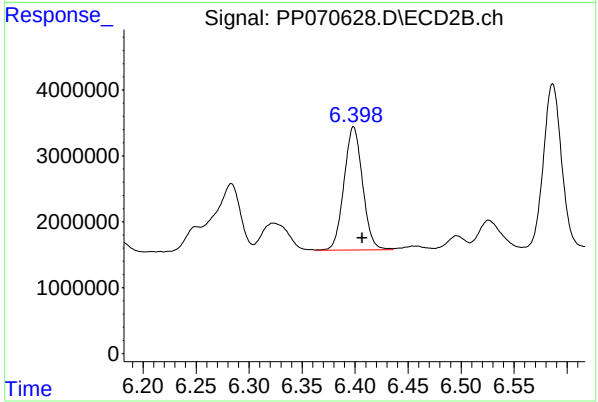
#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.008 min
Response: 12899059
Conc: 434.04 ng/ml



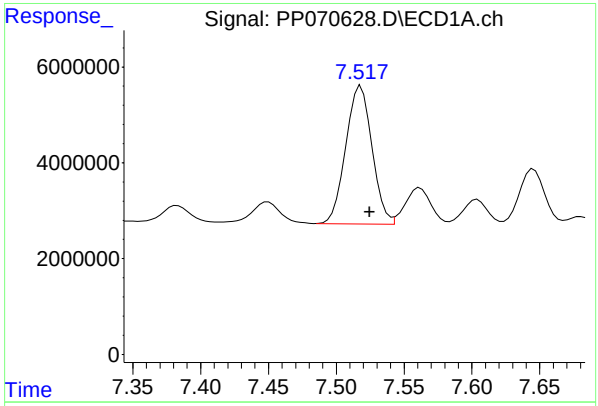
#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 min
Response: 28501294
Conc: 485.23 ng/ml



#31 AR-1260-1

R.T.: 6.399 min
Delta R.T.: -0.008 min
Response: 22779039
Conc: 457.55 ng/ml



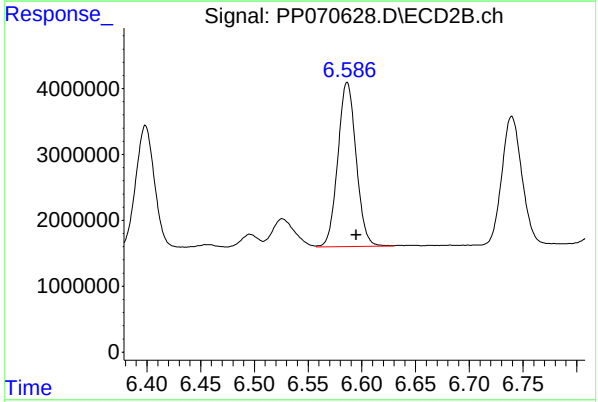
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 min
Response: 38789076
Conc: 472.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

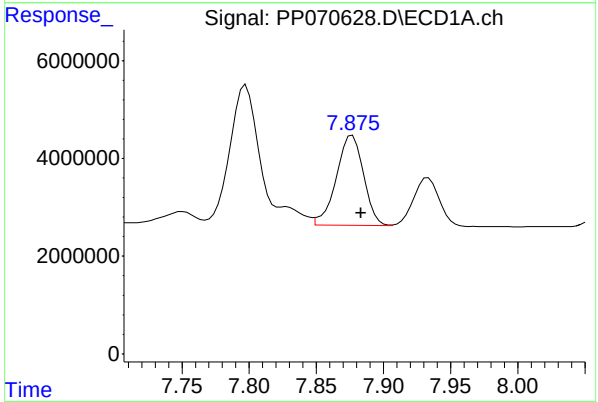
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



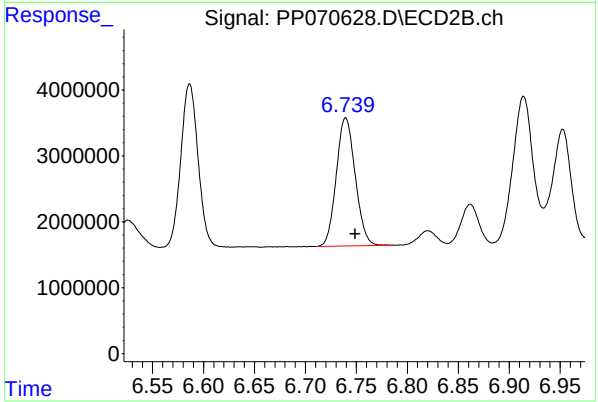
#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.008 min
Response: 29585337
Conc: 447.67 ng/ml



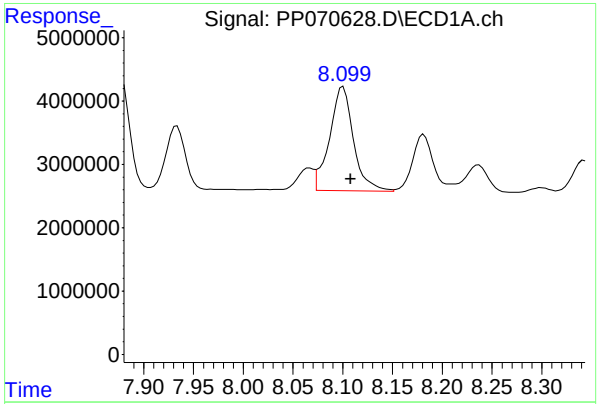
#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.006 min
Response: 26051838
Conc: 396.18 ng/ml



#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 25160814
Conc: 439.89 ng/ml



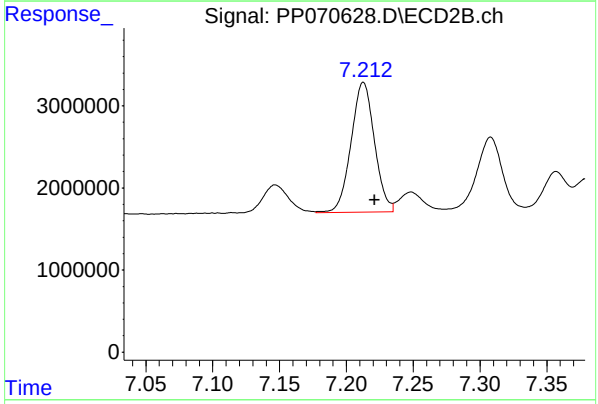
#34 AR-1260-4

R.T.: 8.100 min
Delta R.T.: -0.007 min
Response: 27531417
Conc: 421.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167172BSD

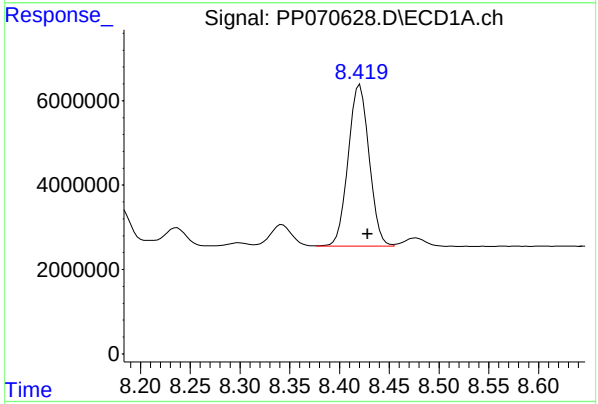
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



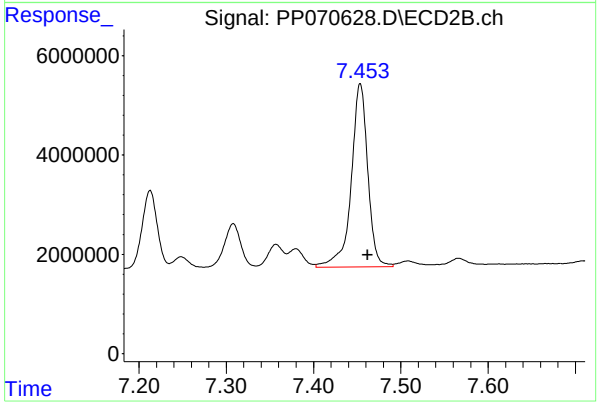
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 19232897
Conc: 375.91 ng/ml



#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.008 min
Response: 56189015
Conc: 411.11 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 48721575
Conc: 378.32 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC4MS	SDG No.:	Q1573
Lab Sample ID:	Q1573-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	72.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070602.D	1	03/17/25 08:35	03/17/25 17:32	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	245		5.40	23.4	ug/kg
11104-28-2	Aroclor-1221	23.4	U	5.50	23.4	ug/kg
11141-16-5	Aroclor-1232	23.4	U	5.10	23.4	ug/kg
53469-21-9	Aroclor-1242	23.4	U	5.50	23.4	ug/kg
12672-29-6	Aroclor-1248	212		8.10	23.4	ug/kg
11097-69-1	Aroclor-1254	23.4	U	4.40	23.4	ug/kg
37324-23-5	Aroclor-1262	23.4	U	6.90	23.4	ug/kg
11100-14-4	Aroclor-1268	23.4	U	5.00	23.4	ug/kg
11096-82-5	Aroclor-1260	201		4.40	23.4	ug/kg
Total PCBs	Total PCBs	657		17.9	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		32 - 175	60%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : Q1573-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.522	3.826	29257838	18243990	18.811	18.202	
2)	SA Decachlor...	10.244	8.873	12831077	11685882	12.078	11.944	
	Target Compounds							
3)	L1 AR-1016-1	5.672	4.912	18186112	17642235	350.737m	490.709	#
4)	L1 AR-1016-2	5.694	4.931	43303809	27470852	605.268m	528.624	
5)	L1 AR-1016-3	5.758	5.109	22903078	14242776	502.945	500.565	
6)	L1 AR-1016-4	5.855	5.150	20386236	13053504	522.218	583.009	
7)	L1 AR-1016-5	6.147	5.365	19719852	16730126	569.576	562.946	
21)	L5 AR-1248-1	5.672	4.912	21300092	17642235	623.613m	751.516	
22)	L5 AR-1248-2	5.945	5.150	18892575	13053504	445.083	416.999	
23)	L5 AR-1248-3	6.147	5.192	19719852	15165016	427.312	478.066	
24)	L5 AR-1248-4	6.545	5.365	9449438	16730126	162.946	429.273	#
25)	L5 AR-1248-5	6.586	5.759	12955693	8765249	241.317	230.139	
31)	L7 AR-1260-1	7.266	6.402	29008308	24999081	493.858	502.147	
32)	L7 AR-1260-2	7.520	6.589	39695952	29117619	483.843	440.592	
33)	L7 AR-1260-3	7.879	6.743	26051328	25545056	396.172	446.613	
34)	L7 AR-1260-4	8.102	7.215	27399099	18870352	419.313m	368.824	
35)	L7 AR-1260-5	8.424	7.456	54544118	47418508	399.071	368.198	

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

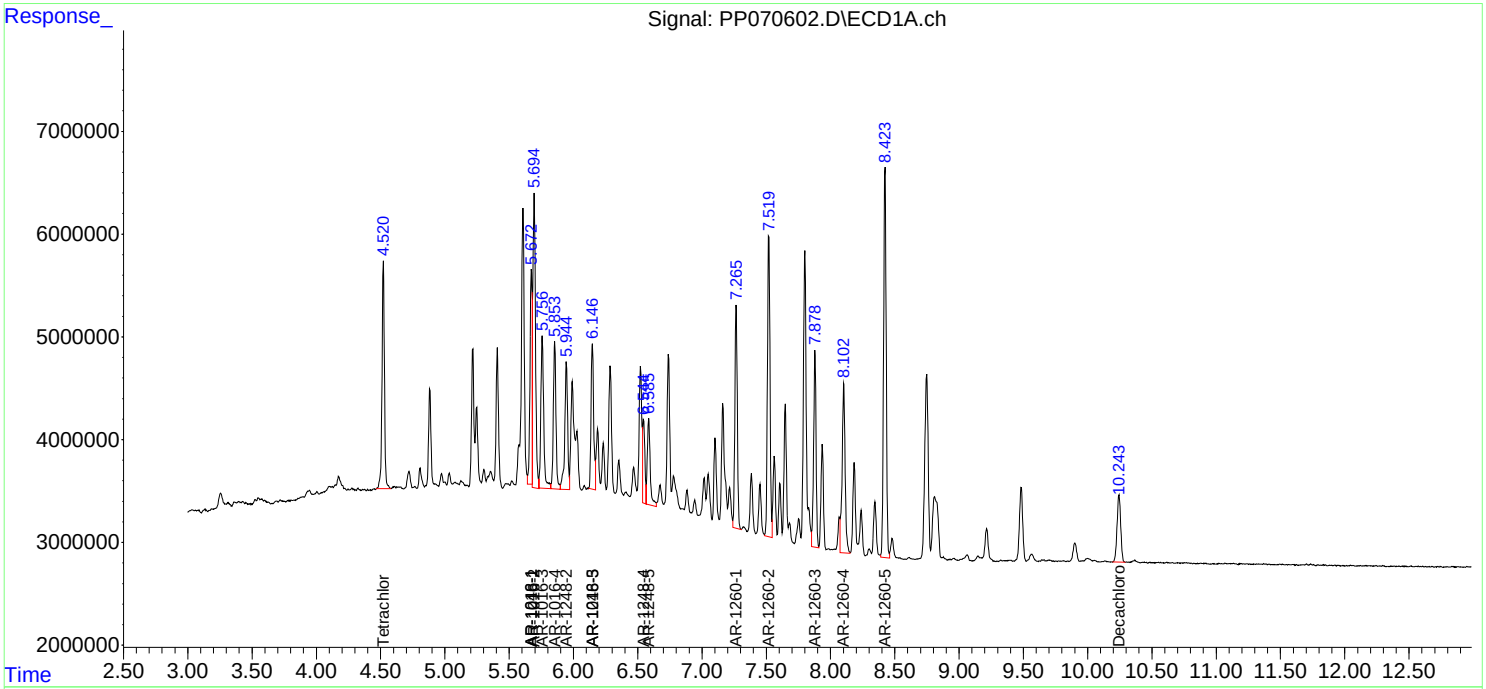
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : Q1573-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

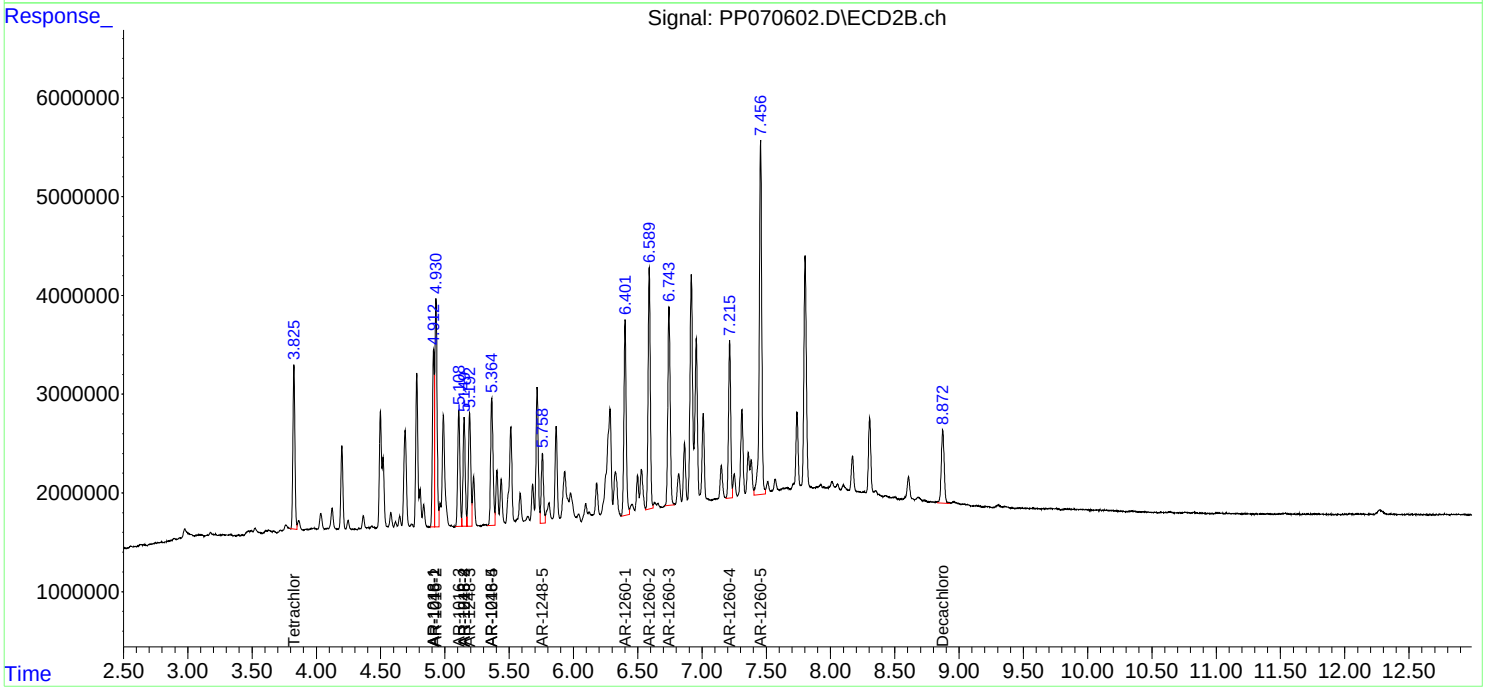
Instrument :
ECD_P
ClientSampleId :
C0AC4MS

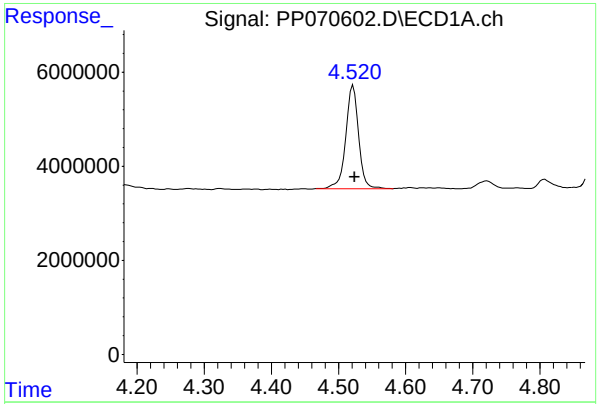
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







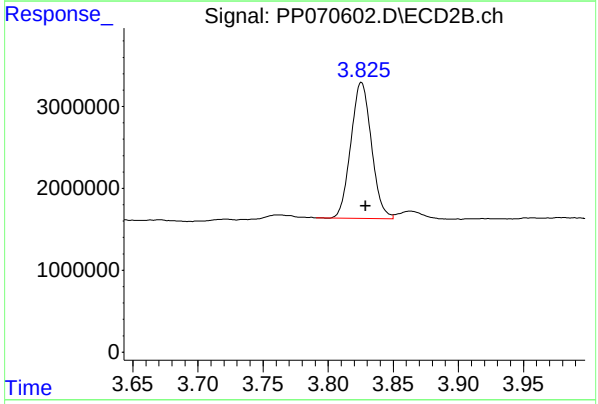
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 mi
Response: 29257838
Conc: 18.81 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

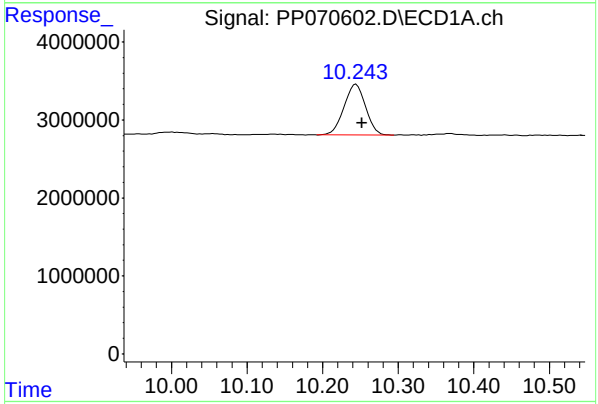
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



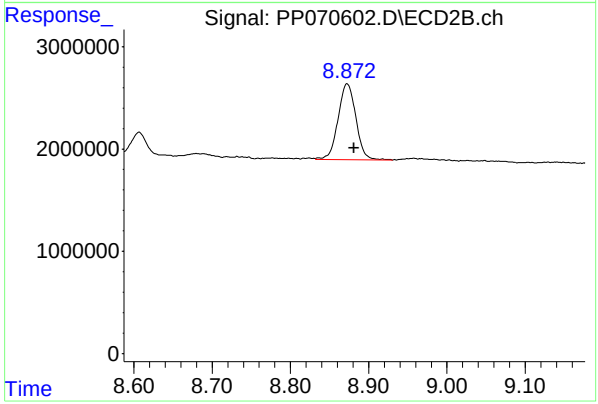
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 18243990
Conc: 18.20 ng/ml



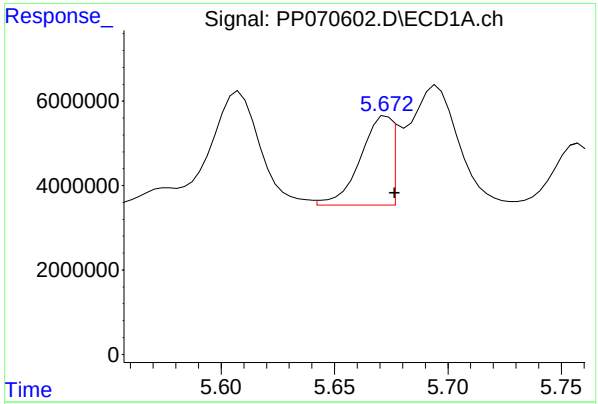
#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.007 min
Response: 12831077
Conc: 12.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.873 min
Delta R.T.: -0.009 min
Response: 11685882
Conc: 11.94 ng/ml



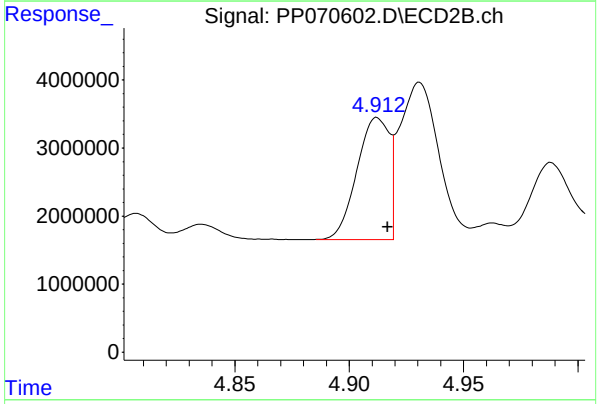
#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.005 mi
Response: 18186112
Conc: 350.74 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

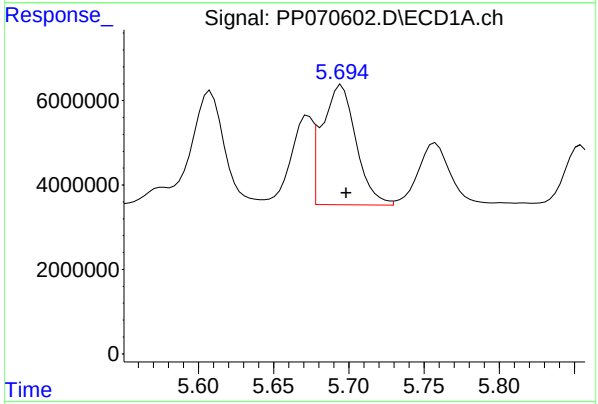
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



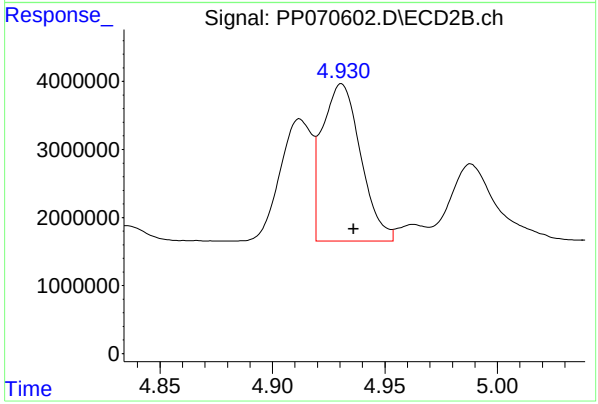
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 17642235
Conc: 490.71 ng/ml



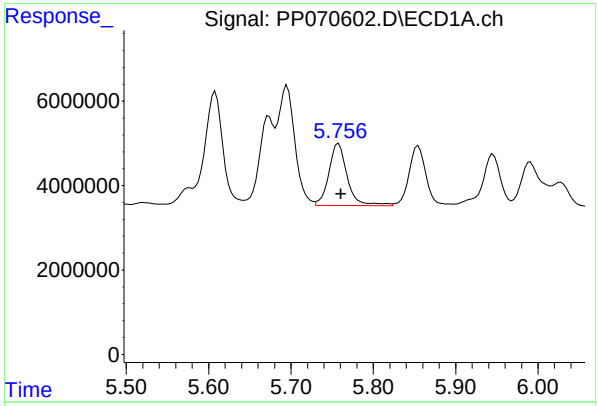
#4 AR-1016-2

R.T.: 5.694 min
Delta R.T.: -0.005 min
Response: 43303809
Conc: 605.27 ng/ml m



#4 AR-1016-2

R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 27470852
Conc: 528.62 ng/ml



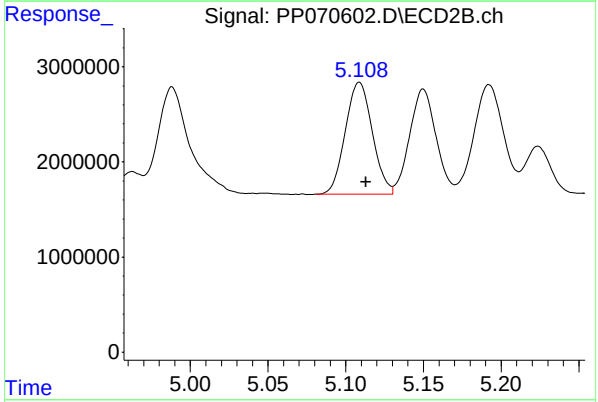
#5 AR-1016-3

R.T.: 5.758 min
Delta R.T.: -0.003 min
Response: 22903078
Conc: 502.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

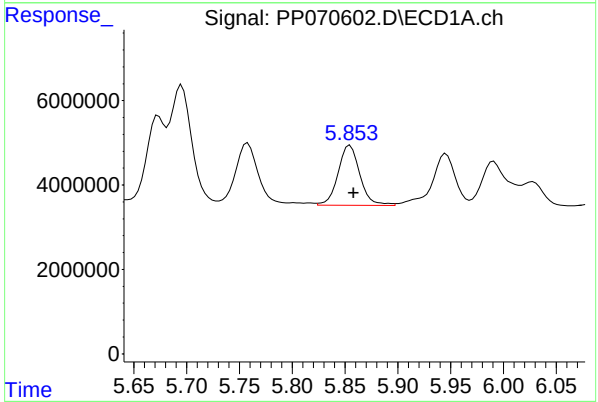
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



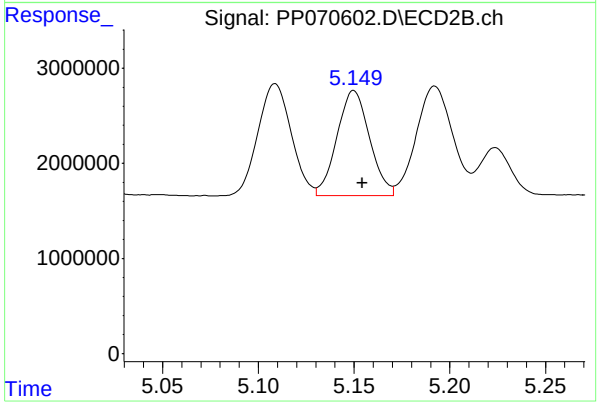
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 14242776
Conc: 500.57 ng/ml



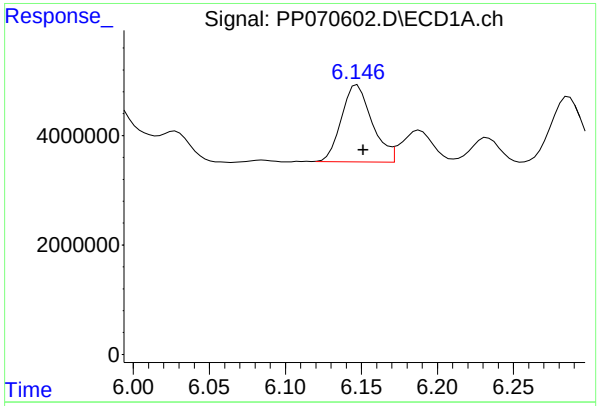
#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 20386236
Conc: 522.22 ng/ml



#6 AR-1016-4

R.T.: 5.150 min
Delta R.T.: -0.005 min
Response: 13053504
Conc: 583.01 ng/ml



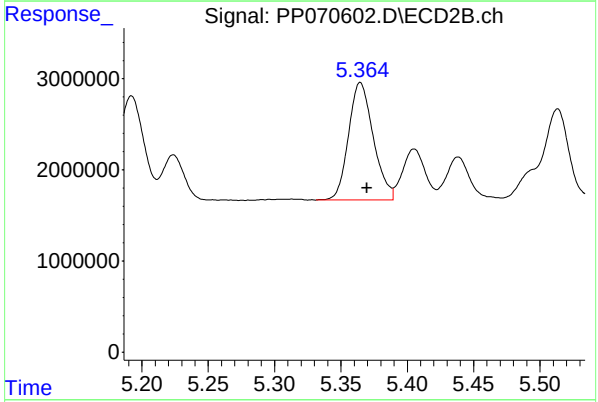
#7 AR-1016-5

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 19719852
Conc: 569.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

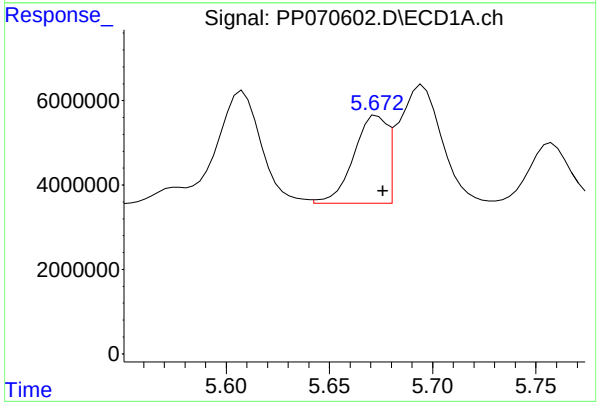
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



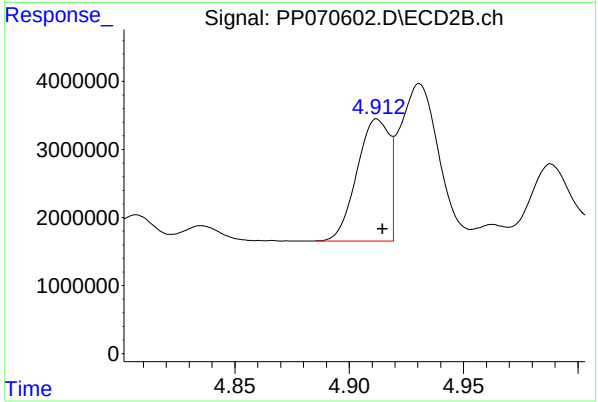
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 16730126
Conc: 562.95 ng/ml



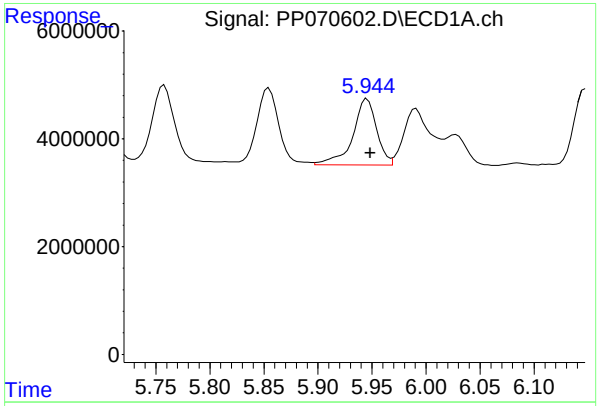
#21 AR-1248-1

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 21300092
Conc: 623.61 ng/ml m



#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 17642235
Conc: 751.52 ng/ml



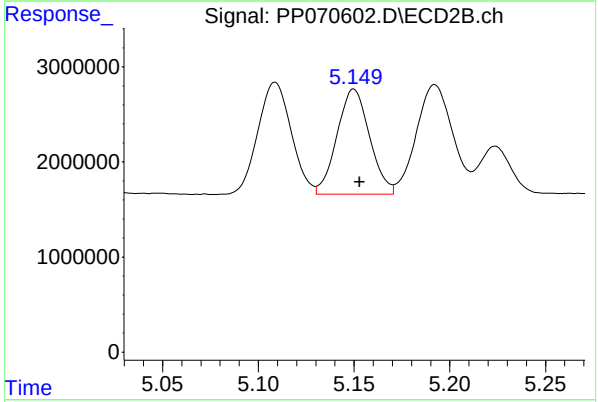
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 18892575
Conc: 445.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

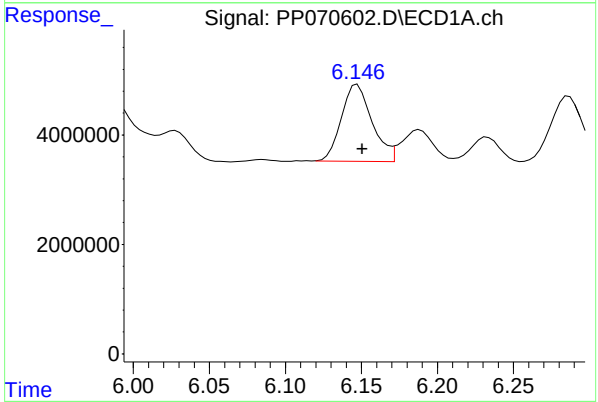
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



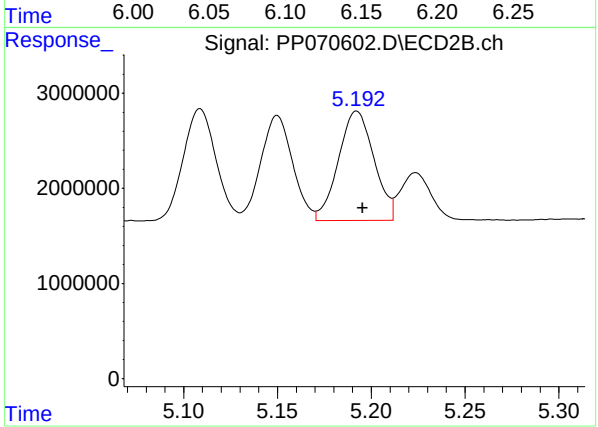
#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 13053504
Conc: 417.00 ng/ml



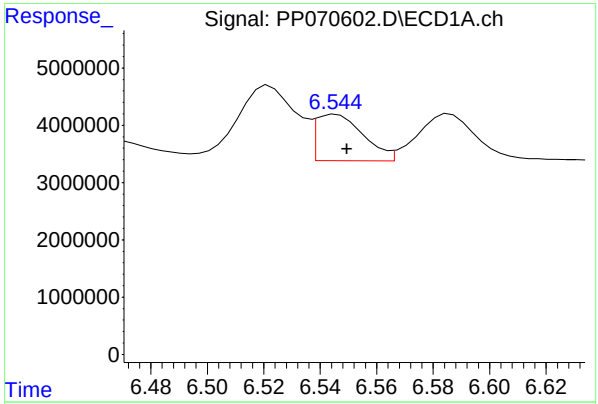
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.003 min
Response: 19719852
Conc: 427.31 ng/ml



#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 15165016
Conc: 478.07 ng/ml



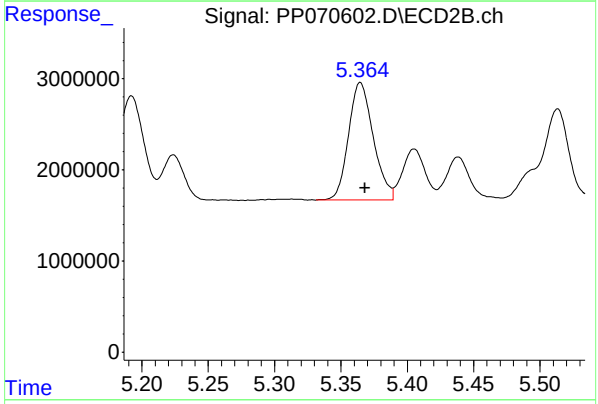
#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 9449438
Conc: 162.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

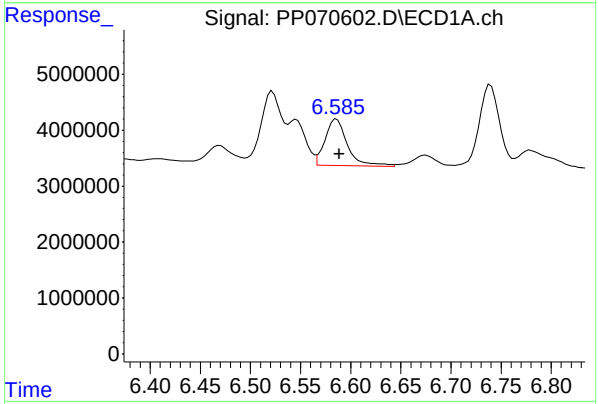
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



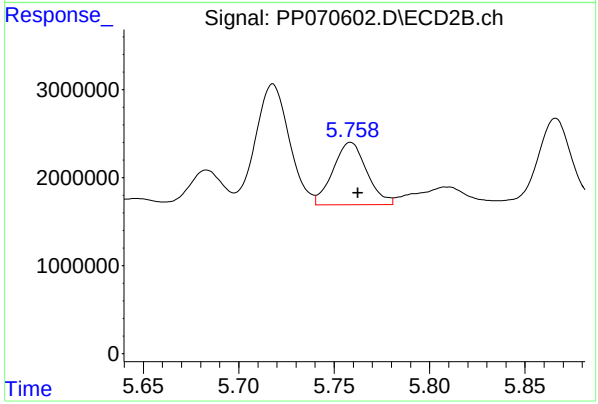
#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 16730126
Conc: 429.27 ng/ml



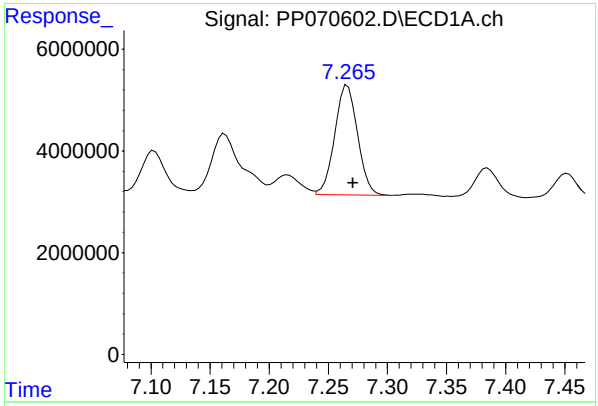
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 12955693
Conc: 241.32 ng/ml



#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 8765249
Conc: 230.14 ng/ml



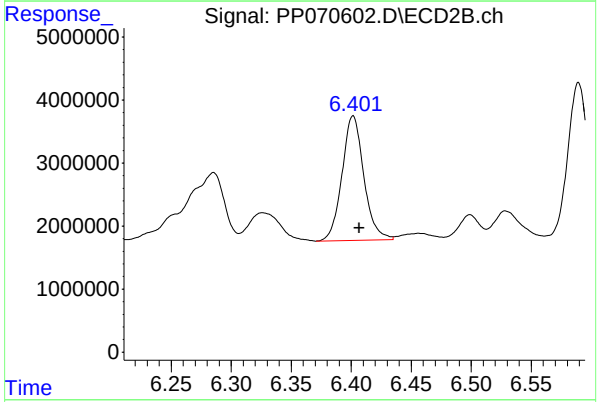
#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 29008308
Conc: 493.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

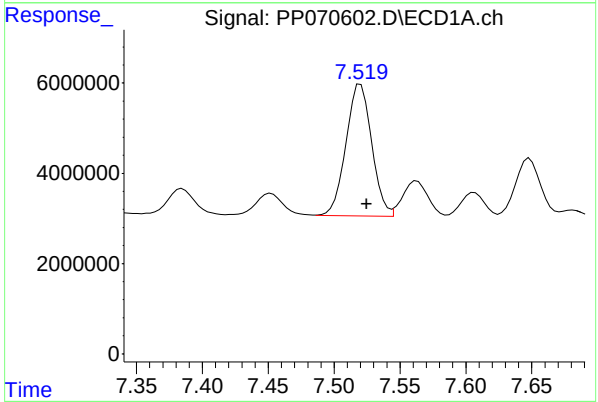
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



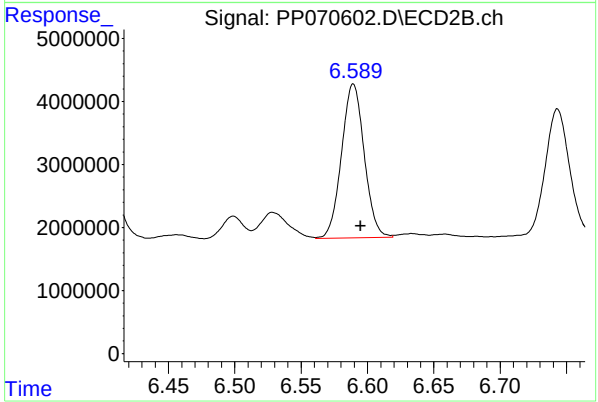
#31 AR-1260-1

R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 24999081
Conc: 502.15 ng/ml



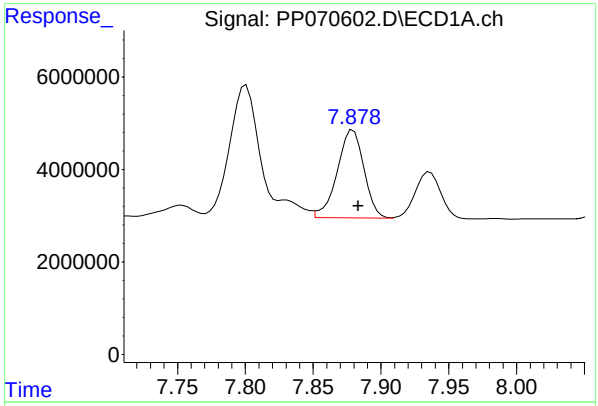
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 39695952
Conc: 483.84 ng/ml



#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 29117619
Conc: 440.59 ng/ml



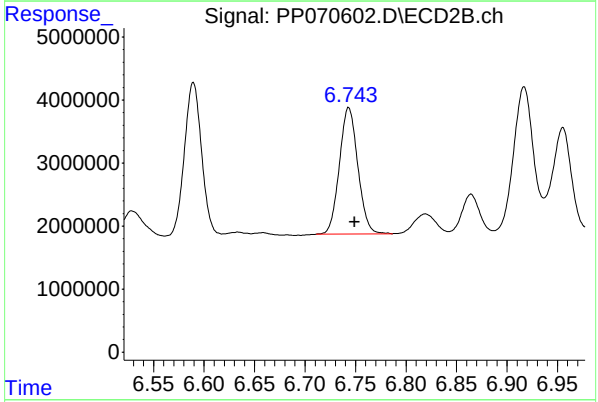
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 mi
Response: 26051328
Conc: 396.17 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

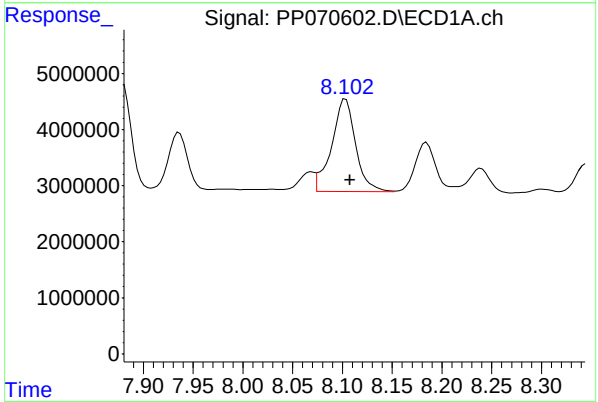
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



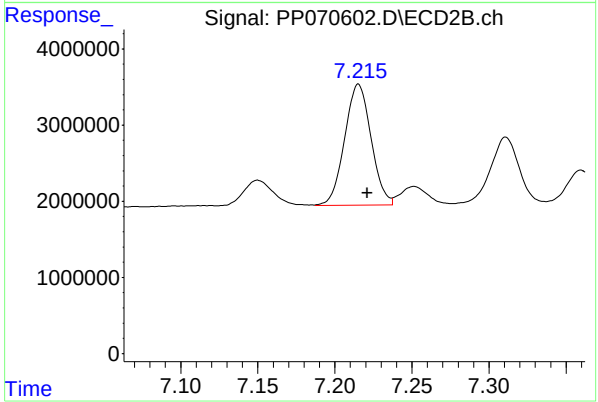
#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 25545056
Conc: 446.61 ng/ml



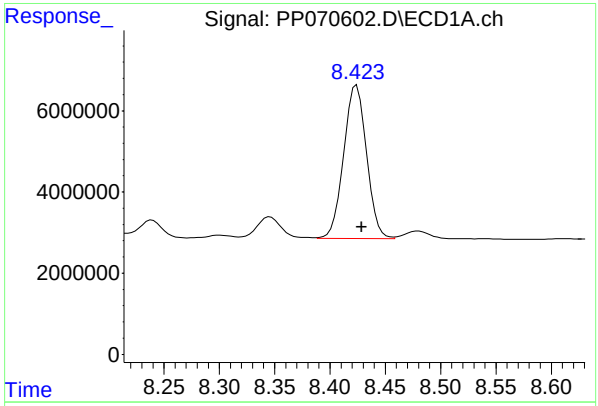
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 27399099
Conc: 419.31 ng/ml m



#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 18870352
Conc: 368.82 ng/ml



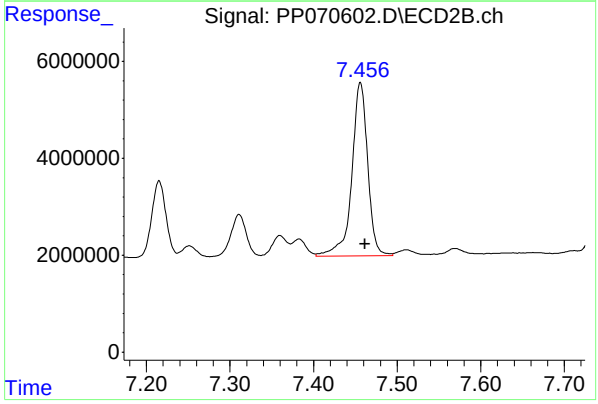
#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 mi
Response: 54544118
Conc: 399.07 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC4MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 47418508
Conc: 368.20 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC4MSD	SDG No.:	Q1573
Lab Sample ID:	Q1573-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	72.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070603.D	1	03/17/25 08:35	03/17/25 17:48	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	239		5.40	23.4	ug/kg
11104-28-2	Aroclor-1221	23.4	U	5.60	23.4	ug/kg
11141-16-5	Aroclor-1232	23.4	U	5.10	23.4	ug/kg
53469-21-9	Aroclor-1242	23.4	U	5.50	23.4	ug/kg
12672-29-6	Aroclor-1248	201		8.20	23.4	ug/kg
11097-69-1	Aroclor-1254	23.4	U	4.40	23.4	ug/kg
37324-23-5	Aroclor-1262	23.4	U	6.90	23.4	ug/kg
11100-14-4	Aroclor-1268	23.4	U	5.00	23.4	ug/kg
11096-82-5	Aroclor-1260	198		4.50	23.4	ug/kg
Total PCBs	Total PCBs	638		18.1	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.4		32 - 175	62%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:48
Operator : YP\AJ
Sample : Q1573-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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...	4.522	3.825	29051323	20107339	18.678	20.062	
2)	SA Decachlor...	10.244	8.872	13203764	12064470	12.429	12.331	
	Target Compounds							
3)	L1 AR-1016-1	5.674	4.912	24794820	17680762	478.192	491.781	
4)	L1 AR-1016-2	5.695	4.931	39162671	26388020	547.386	507.787	
5)	L1 AR-1016-3	5.758	5.108	22212027	14320046	487.770	503.281	
6)	L1 AR-1016-4	5.855	5.149	19635645	12449330	502.991	556.024	
7)	L1 AR-1016-5	6.148	5.365	18157541	16015757	524.451	538.909	
21)	L5 AR-1248-1	5.674	4.912	24794820	17680762	725.930	753.157	
22)	L5 AR-1248-2	5.945	5.149	17587545	12449330	414.339	397.698	
23)	L5 AR-1248-3	6.148	5.192	18157541	14532943	393.458	458.141	
24)	L5 AR-1248-4	6.545	5.365	6952399	16015757	119.887	410.943	#
25)	L5 AR-1248-5	6.586	5.758	9724289	6552343	181.128	172.038	
31)	L7 AR-1260-1	7.267	6.401	28662886	24037709	487.977	482.836	
32)	L7 AR-1260-2	7.520	6.589	38531415	28889389	469.649	437.139	
33)	L7 AR-1260-3	7.878	6.743	25381039	25509828	385.978	445.997	
34)	L7 AR-1260-4	8.102	7.215	27406089	18975112	419.420m	370.872	
35)	L7 AR-1260-5	8.424	7.456	53608365	47129893	392.225	365.957	

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

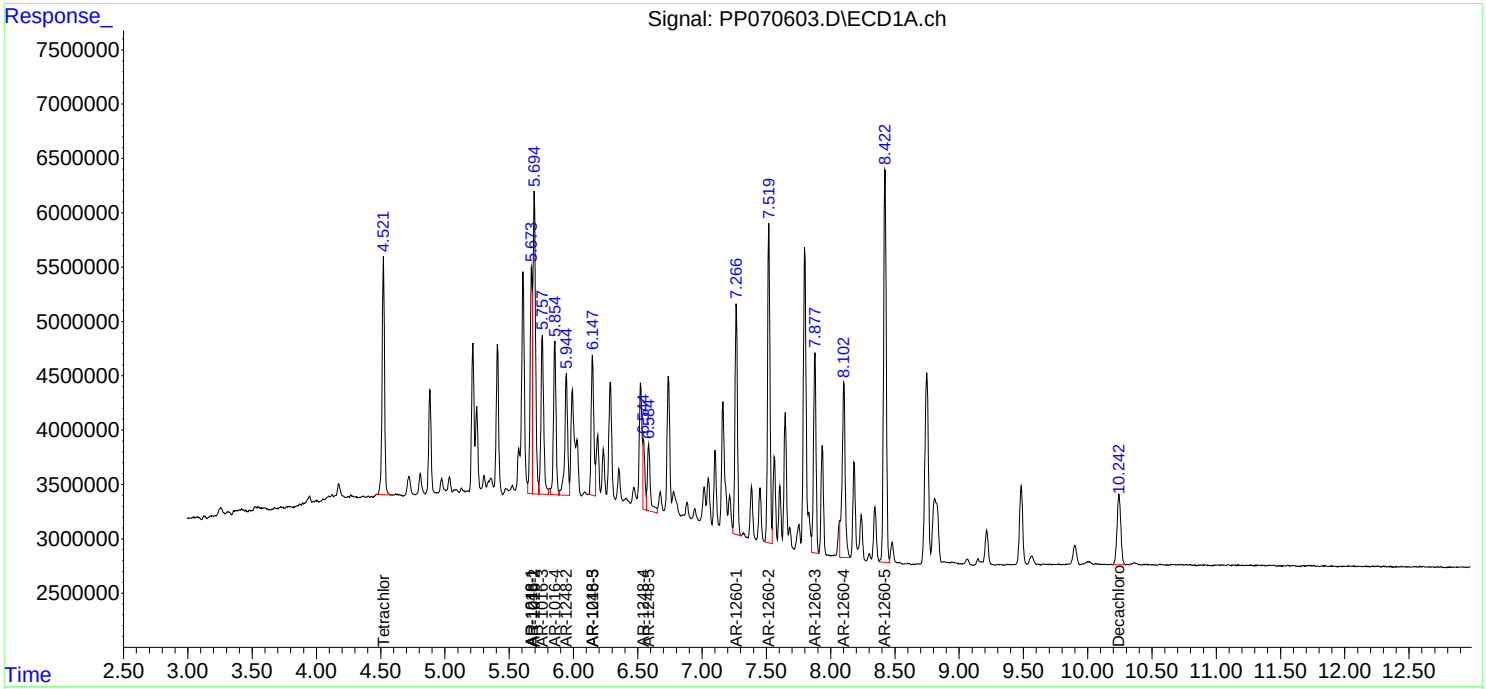
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:48
Operator : YP\AJ
Sample : Q1573-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

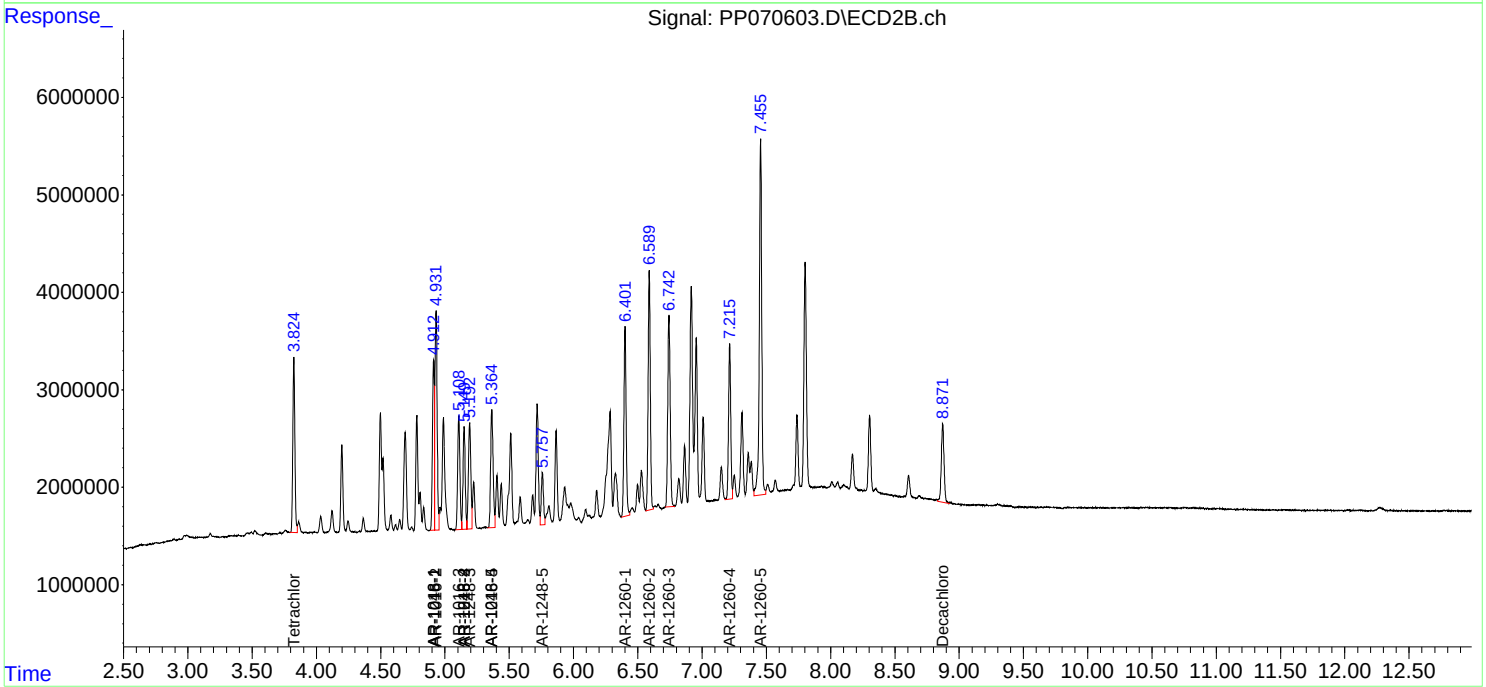
Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

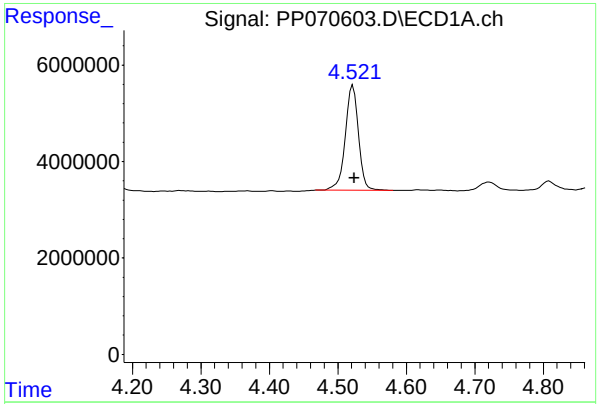
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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







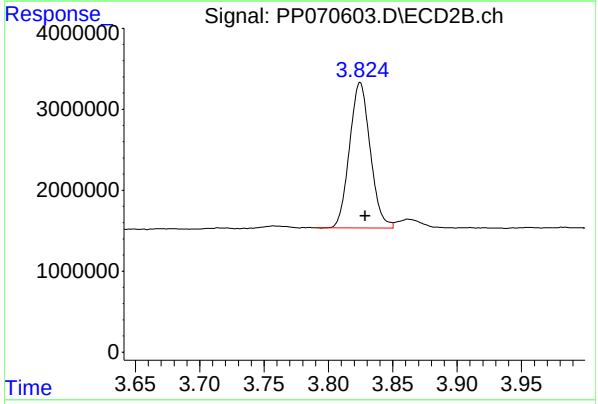
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 29051323
Conc: 18.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

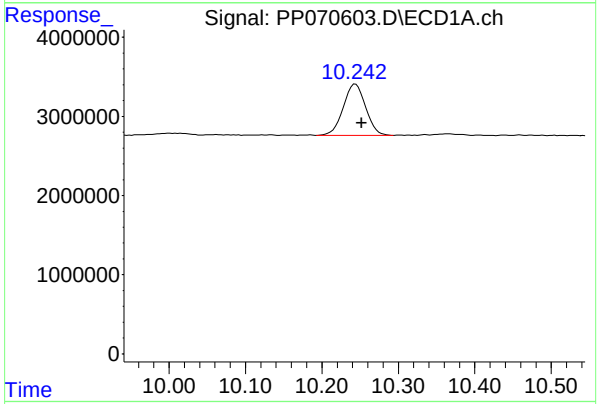
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



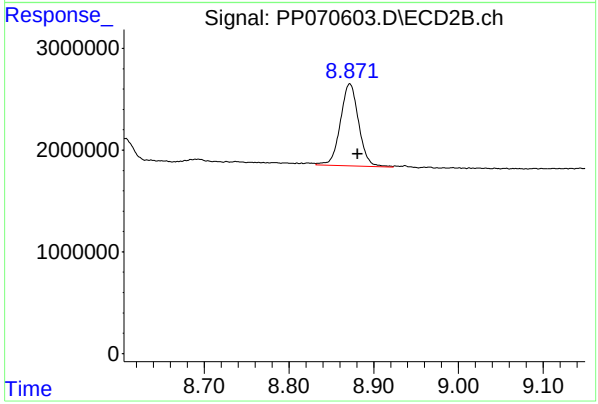
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 20107339
Conc: 20.06 ng/ml



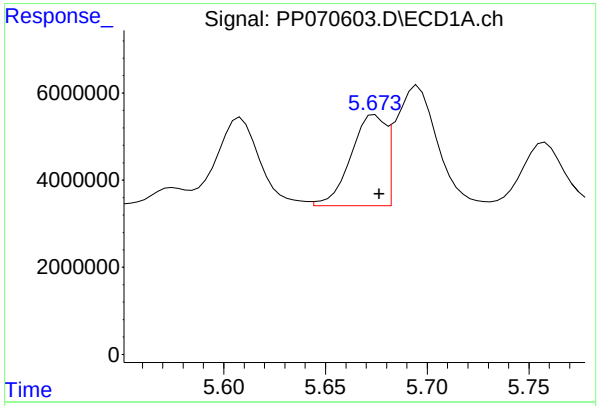
#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.008 min
Response: 13203764
Conc: 12.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 12064470
Conc: 12.33 ng/ml



#3 AR-1016-1

R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 24794820
Conc: 478.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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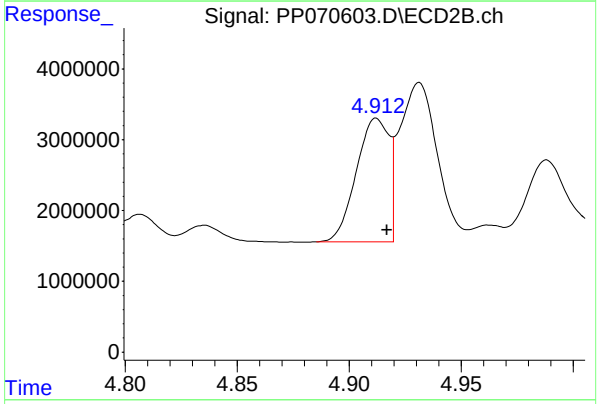
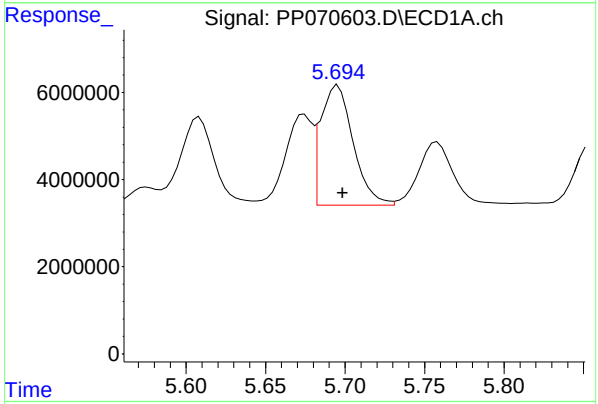
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



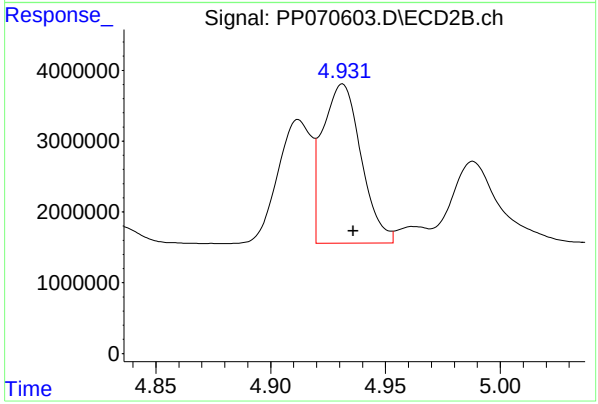
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 17680762
Conc: 491.78 ng/ml



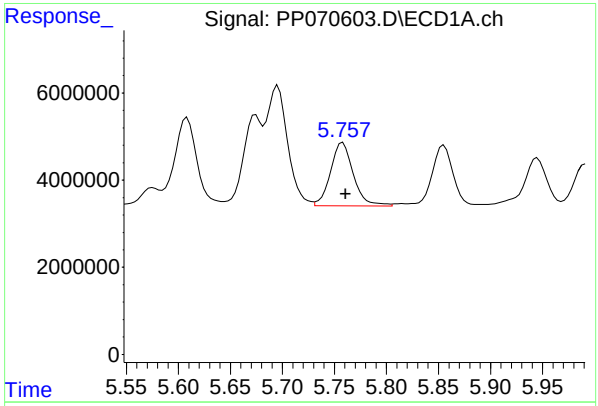
#4 AR-1016-2

R.T.: 5.695 min
Delta R.T.: -0.003 min
Response: 39162671
Conc: 547.39 ng/ml



#4 AR-1016-2

R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 26388020
Conc: 507.79 ng/ml



#5 AR-1016-3

R.T.: 5.758 min
Delta R.T.: -0.003 min
Response: 22212027
Conc: 487.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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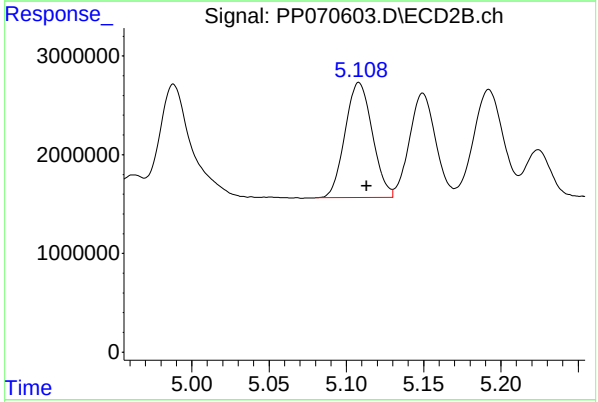
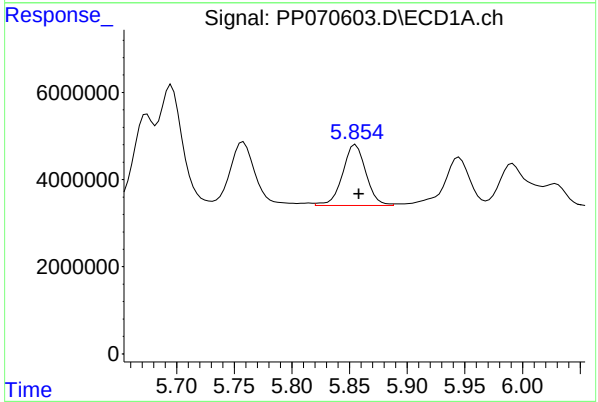
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



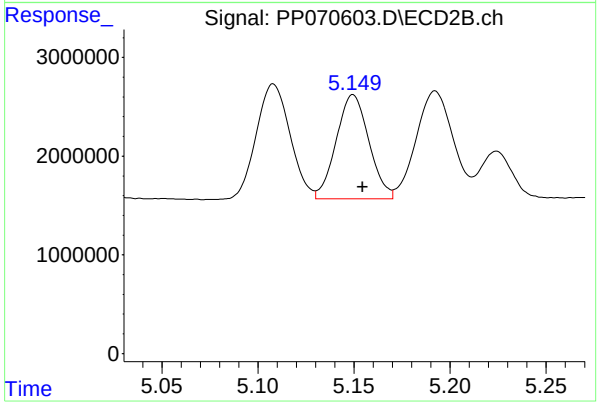
#5 AR-1016-3

R.T.: 5.108 min
Delta R.T.: -0.005 min
Response: 14320046
Conc: 503.28 ng/ml



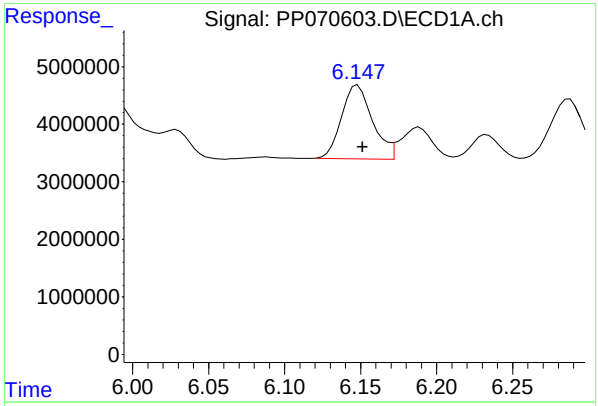
#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 19635645
Conc: 502.99 ng/ml



#6 AR-1016-4

R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 12449330
Conc: 556.02 ng/ml



#7 AR-1016-5

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 18157541
Conc: 524.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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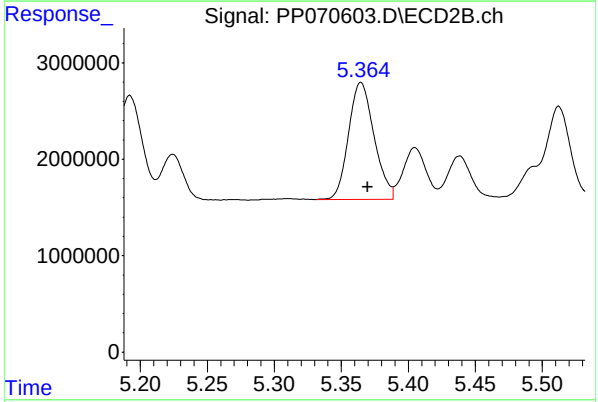
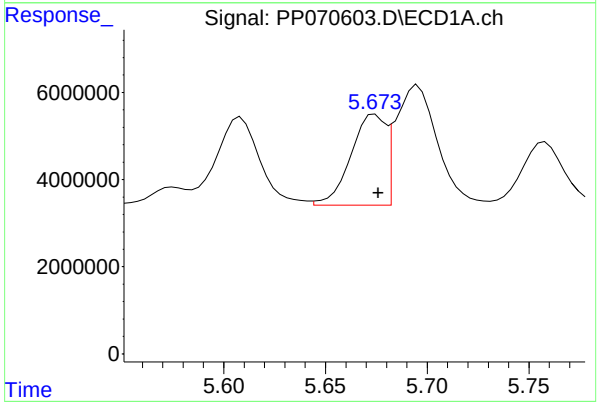
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



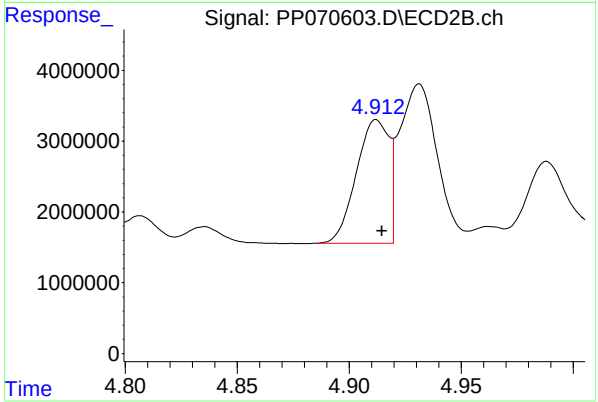
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 16015757
Conc: 538.91 ng/ml



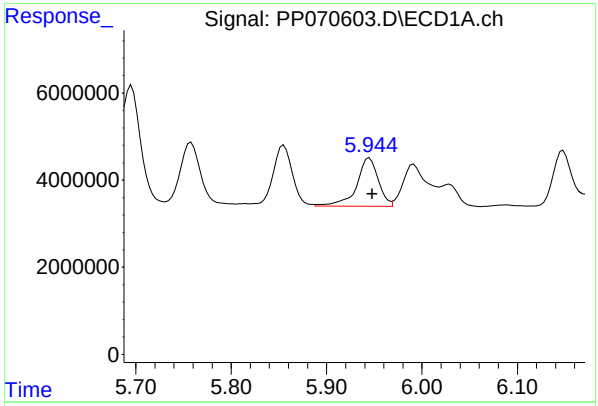
#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 24794820
Conc: 725.93 ng/ml



#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 17680762
Conc: 753.16 ng/ml



#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 17587545
Conc: 414.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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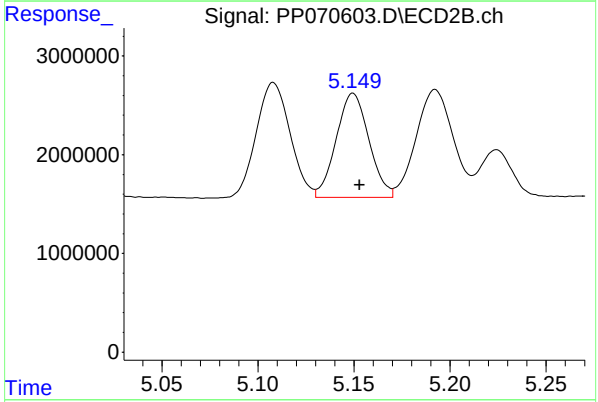
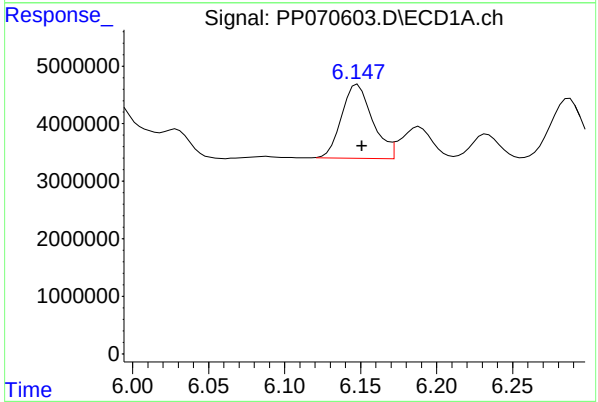
Supervised By :mohammad ahmed 03/19/2025



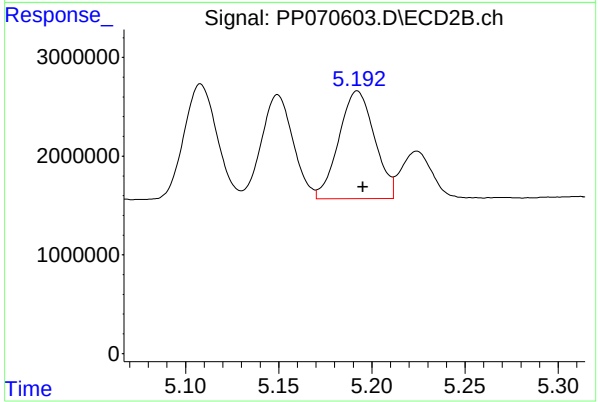
#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.003 min
Response: 12449330
Conc: 397.70 ng/ml



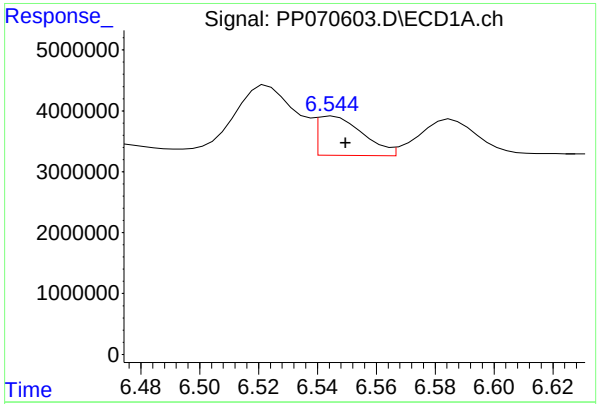
#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 18157541
Conc: 393.46 ng/ml



#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 14532943
Conc: 458.14 ng/ml



#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 6952399
Conc: 119.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

Manual Integrations
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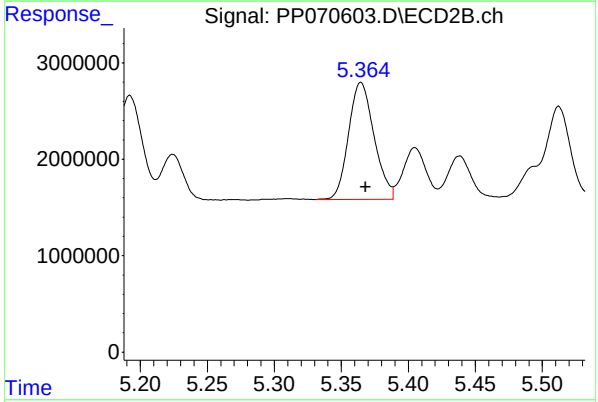
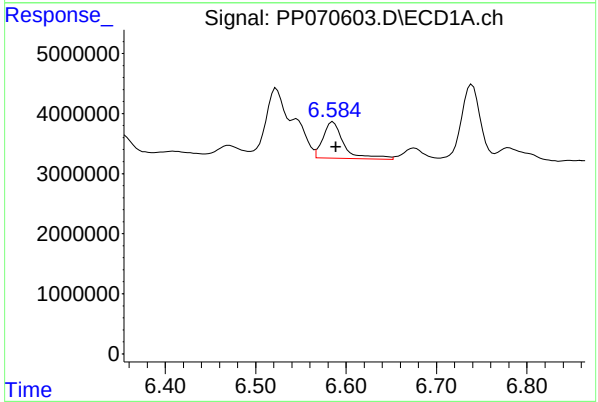
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



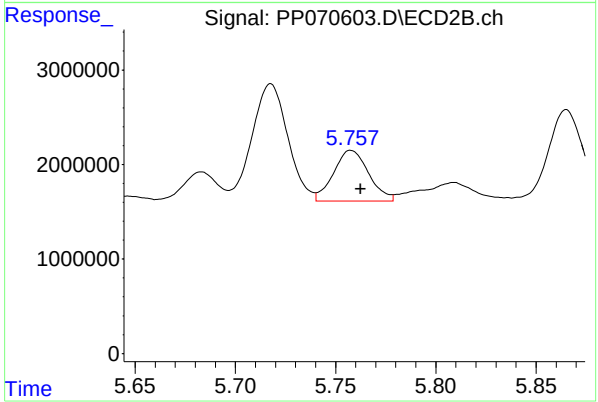
#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 16015757
Conc: 410.94 ng/ml



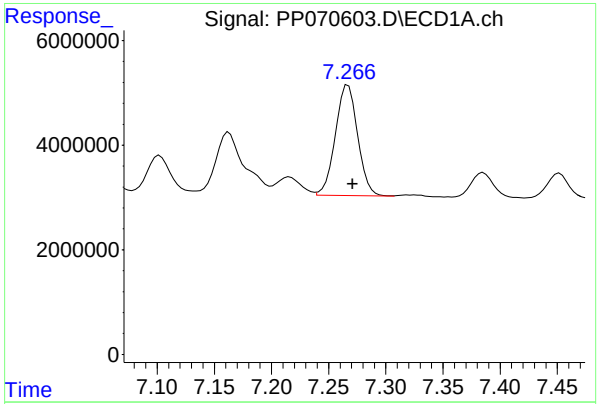
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 9724289
Conc: 181.13 ng/ml



#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.005 min
Response: 6552343
Conc: 172.04 ng/ml



#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 28662886
Conc: 487.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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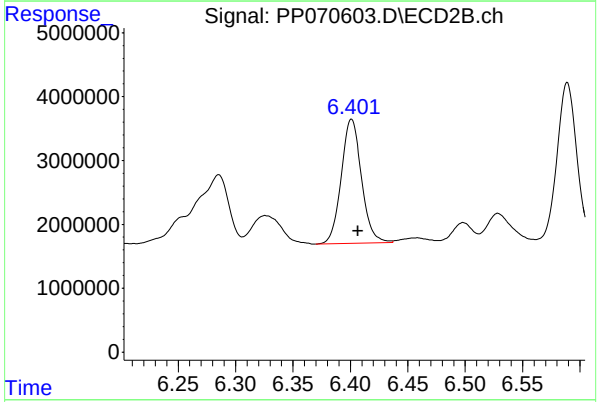
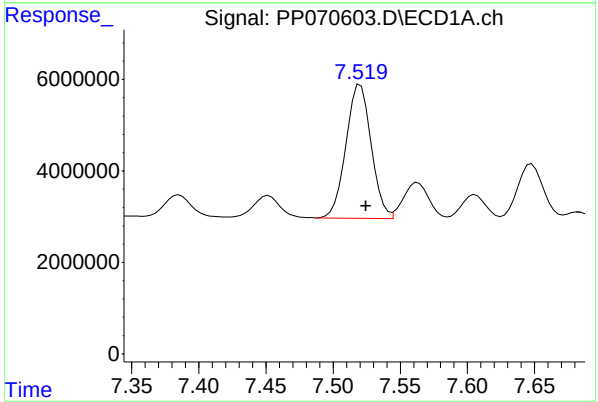
Supervised By :mohammad ahmed 03/19/2025



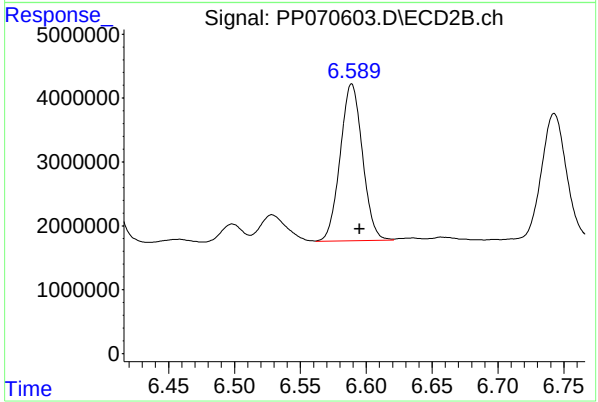
#31 AR-1260-1

R.T.: 6.401 min
Delta R.T.: -0.006 min
Response: 24037709
Conc: 482.84 ng/ml



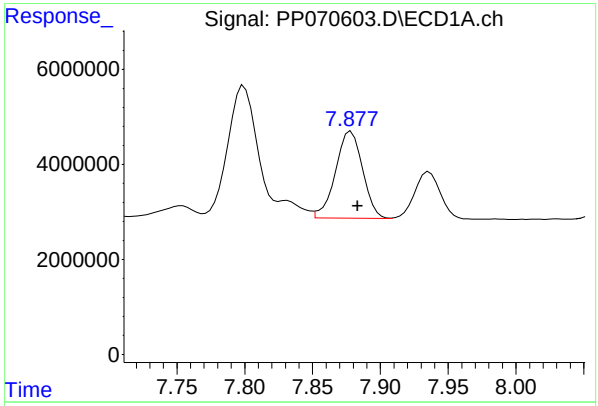
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 38531415
Conc: 469.65 ng/ml



#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 28889389
Conc: 437.14 ng/ml



#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 mi
Response: 25381039
Conc: 385.98 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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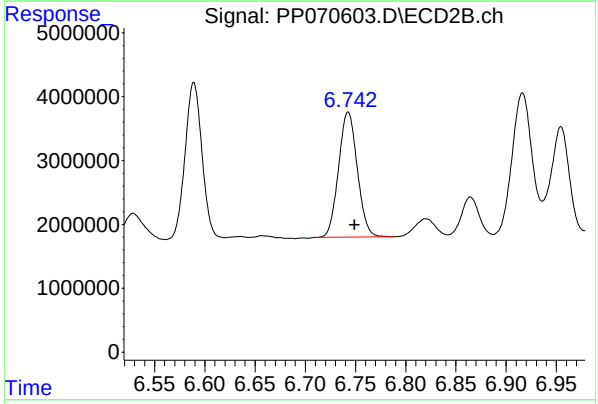
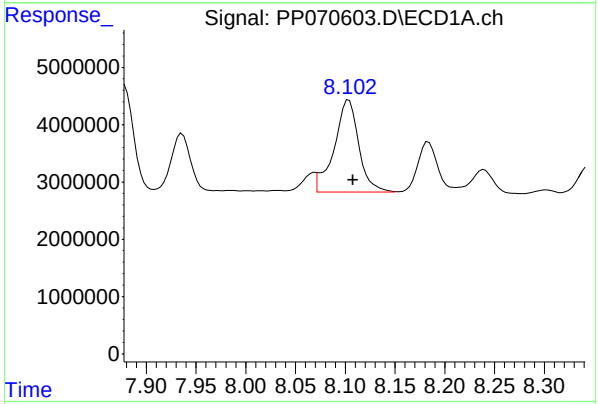
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



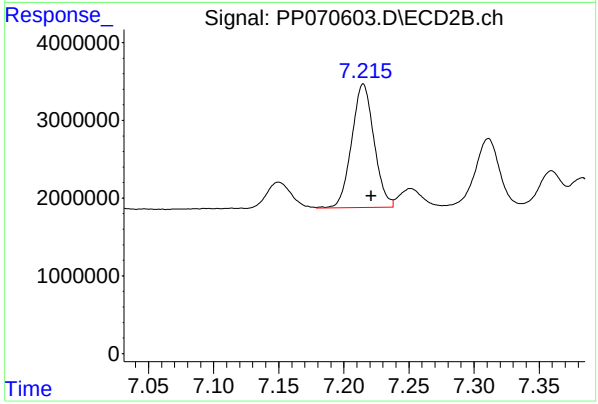
#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 25509828
Conc: 446.00 ng/ml



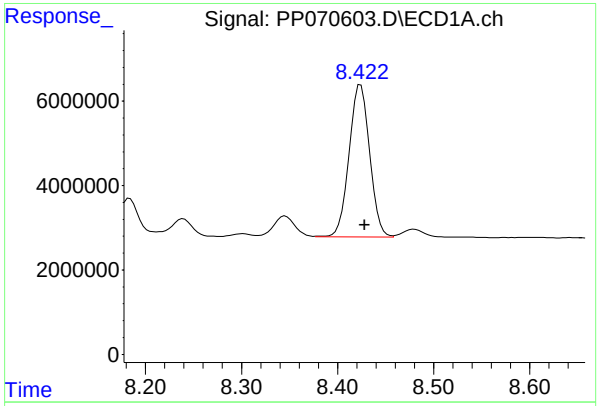
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 27406089
Conc: 419.42 ng/ml m



#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 18975112
Conc: 370.87 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 min
Response: 53608365
Conc: 392.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC4MSD

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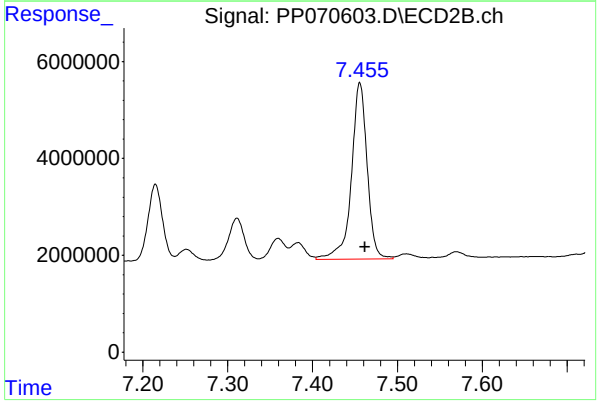
Supervised By :mohammad ahmed 03/19/2025



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 47129893
Conc: 365.96 ng/ml

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Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP070422.D	Decachlorobiphenyl #2	yogesh	3/12/2025 7:57:06 AM	Ankita	3/12/2025 10:45:04	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-1	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-3	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-4	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1260-4 #2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1260-5 #2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1232ICC250	PP070428.D	AR-1232-5	yogesh	3/12/2025 7:57:09 AM	Ankita	3/12/2025 10:45:07	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-1 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-2 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-3	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-4	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1232ICC050	PP070429.D	AR-1232-5	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-5 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-1	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-1 #2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-2 #2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-3	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-4	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1248ICC050	PP070439.D	AR-1248-1	yogesh	3/12/2025 7:57:14 AM	Ankita	3/12/2025 10:45:19	Peak Integrated by Software
AR1248ICC050	PP070439.D	AR-1248-2	yogesh	3/12/2025 7:57:14 AM	Ankita	3/12/2025 10:45:19	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-1 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-2 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-3 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP070465.D	AR-1242-5	yogesh	3/12/2025 7:57:17 AM	Ankita	3/12/2025 10:45:22	Peak Integrated by Software
AR1242CCC500	PP070465.D	AR-1242-5 #2	yogesh	3/12/2025 7:57:17 AM	Ankita	3/12/2025 10:45:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1573-01	PP070601.D	AR-1248-1	yogesh	3/18/2025 8:01:33 AM	mohammad	3/19/2025 6:45:56	Peak Integrated by Software
Q1573-01	PP070601.D	AR-1248-1 #2	yogesh	3/18/2025 8:01:33 AM	mohammad	3/19/2025 6:45:56	Peak Integrated by Software
Q1573-01	PP070601.D	AR-1260-4	yogesh	3/18/2025 8:01:33 AM	mohammad	3/19/2025 6:45:56	Peak Integrated by Software
Q1573-01MS	PP070602.D	AR-1016-1	yogesh	3/18/2025 8:01:34 AM	mohammad	3/19/2025 6:46:01	Peak Integrated by Software
Q1573-01MS	PP070602.D	AR-1016-2	yogesh	3/18/2025 8:01:34 AM	mohammad	3/19/2025 6:46:01	Peak Integrated by Software
Q1573-01MS	PP070602.D	AR-1248-1	yogesh	3/18/2025 8:01:34 AM	mohammad	3/19/2025 6:46:01	Peak Integrated by Software
Q1573-01MS	PP070602.D	AR-1260-4	yogesh	3/18/2025 8:01:34 AM	mohammad	3/19/2025 6:46:01	Peak Integrated by Software
Q1573-01MSD	PP070603.D	AR-1260-4	yogesh	3/18/2025 8:01:36 AM	mohammad	3/19/2025 6:46:04	Peak Integrated by Software
Q1573-02	PP070609.D	AR-1248-1	yogesh	3/18/2025 10:23:24 AM	mohammad	3/19/2025 6:46:07	Peak Integrated by Software
Q1573-02	PP070609.D	AR-1248-1 #2	yogesh	3/18/2025 10:23:24 AM	mohammad	3/19/2025 6:46:07	Peak Integrated by Software
Q1573-02	PP070609.D	Decachlorobiphenyl #2	yogesh	3/18/2025 10:23:24 AM	mohammad	3/19/2025 6:46:07	Peak Integrated by Software
Q1573-04	PP070611.D	AR-1248-1	yogesh	3/18/2025 10:23:26 AM	mohammad	3/19/2025 6:46:13	Peak Integrated by Software
Q1573-04	PP070611.D	AR-1248-1 #2	yogesh	3/18/2025 10:23:26 AM	mohammad	3/19/2025 6:46:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1573-05	PP070612.D	AR-1260-1	yogesh	3/18/2025 10:23:27 AM	mohammad	3/19/2025 6:46:16	Peak Integrated by Software
Q1573-05	PP070612.D	AR-1260-1 #2	yogesh	3/18/2025 10:23:27 AM	mohammad	3/19/2025 6:46:16	Peak Integrated by Software
Q1573-05	PP070612.D	AR-1260-2 #2	yogesh	3/18/2025 10:23:27 AM	mohammad	3/19/2025 6:46:16	Peak Integrated by Software
Q1573-05	PP070612.D	AR-1260-3 #2	yogesh	3/18/2025 10:23:27 AM	mohammad	3/19/2025 6:46:16	Peak Integrated by Software
Q1573-05	PP070612.D	Tetrachloro-m-xylene	yogesh	3/18/2025 10:23:27 AM	mohammad	3/19/2025 6:46:16	Peak Integrated by Software
Q1573-07	PP070614.D	AR-1248-1	yogesh	3/18/2025 8:01:46 AM	mohammad	3/19/2025 6:46:20	Peak Integrated by Software
Q1573-07	PP070614.D	AR-1248-1 #2	yogesh	3/18/2025 8:01:46 AM	mohammad	3/19/2025 6:46:20	Peak Integrated by Software
Q1573-08	PP070615.D	AR-1248-1	yogesh	3/18/2025 8:01:48 AM	mohammad	3/19/2025 6:46:23	Peak Integrated by Software
Q1573-08	PP070615.D	AR-1248-1 #2	yogesh	3/18/2025 8:01:48 AM	mohammad	3/19/2025 6:46:23	Peak Integrated by Software
Q1573-09	PP070616.D	AR-1248-1	yogesh	3/18/2025 8:01:50 AM	mohammad	3/19/2025 6:46:26	Peak Integrated by Software
Q1573-09	PP070616.D	AR-1248-1 #2	yogesh	3/18/2025 8:01:50 AM	mohammad	3/19/2025 6:46:26	Peak Integrated by Software
Q1573-09	PP070616.D	AR-1260-4	yogesh	3/18/2025 8:01:50 AM	mohammad	3/19/2025 6:46:26	Peak Integrated by Software
Q1573-10	PP070617.D	AR-1248-1	yogesh	3/18/2025 8:01:51 AM	mohammad	3/19/2025 6:46:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1573-10	PP070617.D	AR-1260-3 #2	yogesh	3/18/2025 8:01:51 AM	mohammad	3/19/2025 6:46:29	Peak Integrated by Software
PB167172BSD	PP070628.D	AR-1016-5	yogesh	3/18/2025 8:01:56 AM	mohammad	3/19/2025 6:46:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070641.D	AR-1254-1	yogesh	3/19/2025 7:59:44 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070641.D	AR-1254-2	yogesh	3/19/2025 7:59:44 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070641.D	AR-1254-3	yogesh	3/19/2025 7:59:44 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
I.BLK	PP070642.D	Decachlorobiphenyl #2	yogesh	3/19/2025 7:59:46 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-03	PP070644.D	AR-1248-1	yogesh	3/19/2025 7:59:47 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-03	PP070644.D	AR-1248-1 #2	yogesh	3/19/2025 7:59:47 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-03	PP070644.D	AR-1248-4	yogesh	3/19/2025 7:59:47 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-03	PP070644.D	AR-1248-5	yogesh	3/19/2025 7:59:47 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-11	PP070645.D	AR-1248-1	yogesh	3/21/2025 9:24:41 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-11	PP070645.D	AR-1248-1 #2	yogesh	3/21/2025 9:24:41 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-11	PP070645.D	AR-1248-4	yogesh	3/21/2025 9:24:41 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-11	PP070645.D	AR-1248-5	yogesh	3/21/2025 9:24:41 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
Q1573-11	PP070645.D	AR-1260-3 #2	yogesh	3/21/2025 9:24:41 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP070647.D	AR-1016-5 #2	yogesh	3/19/2025 7:59:52 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1242CCC500	PP070648.D	AR-1242-5	yogesh	3/19/2025 7:59:56 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-1	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-1 #2	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-2	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-2 #2	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-3	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-4	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-5	yogesh	3/19/2025 7:59:58 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1660CCC500	PP070662.D	AR-1016-5 #2	yogesh	3/19/2025 8:00:08 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-1	yogesh	3/19/2025 8:00:10 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-1 #2	yogesh	3/19/2025 8:00:10 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-2	yogesh	3/19/2025 8:00:10 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070665.D	AR-1254-2 #2	yogesh	3/19/2025 8:00:10 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-3	yogesh	3/19/2025 8:00:10 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-4	yogesh	3/19/2025 8:00:10 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1242CCC500	PP070678.D	AR-1242-5	yogesh	3/19/2025 8:00:16 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-1	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-1 #2	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-2	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-2 #2	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-3	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-3 #2	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-4	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-5	yogesh	3/19/2025 8:00:17 AM	mohammad	3/24/2025 3:02:25	Peak Integrated by Software

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070417.D	11 Mar 2025 14:41	YP\AJ	Ok
2	I.BLK	PP070418.D	11 Mar 2025 14:57	YP\AJ	Ok
3	AR1660ICC1000	PP070419.D	11 Mar 2025 15:13	YP\AJ	Ok
4	AR1660ICC750	PP070420.D	11 Mar 2025 15:29	YP\AJ	Ok
5	AR1660ICC500	PP070421.D	11 Mar 2025 15:46	YP\AJ	Ok
6	AR1660ICC250	PP070422.D	11 Mar 2025 16:02	YP\AJ	Ok,M
7	AR1660ICC050	PP070423.D	11 Mar 2025 16:18	YP\AJ	Ok,M
8	AR1221ICC500	PP070424.D	11 Mar 2025 16:34	YP\AJ	Ok
9	AR1232ICC1000	PP070425.D	11 Mar 2025 16:51	YP\AJ	Ok
10	AR1232ICC750	PP070426.D	11 Mar 2025 17:07	YP\AJ	Ok
11	AR1232ICC500	PP070427.D	11 Mar 2025 17:23	YP\AJ	Ok
12	AR1232ICC250	PP070428.D	11 Mar 2025 17:40	YP\AJ	Ok,M
13	AR1232ICC050	PP070429.D	11 Mar 2025 17:56	YP\AJ	Ok,M
14	AR1242ICC1000	PP070430.D	11 Mar 2025 18:12	YP\AJ	Ok
15	AR1242ICC750	PP070431.D	11 Mar 2025 18:28	YP\AJ	Ok
16	AR1242ICC500	PP070432.D	11 Mar 2025 18:45	YP\AJ	Ok
17	AR1242ICC250	PP070433.D	11 Mar 2025 19:01	YP\AJ	Ok
18	AR1242ICC050	PP070434.D	11 Mar 2025 19:17	YP\AJ	Ok,M
19	AR1248ICC1000	PP070435.D	11 Mar 2025 19:34	YP\AJ	Ok
20	AR1248ICC750	PP070436.D	11 Mar 2025 19:50	YP\AJ	Ok
21	AR1248ICC500	PP070437.D	11 Mar 2025 20:06	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP070438.D	11 Mar 2025 20:22	YP\AJ	Ok
23	AR1248ICC050	PP070439.D	11 Mar 2025 20:39	YP\AJ	Ok,M
24	AR1254ICC1000	PP070440.D	11 Mar 2025 20:55	YP\AJ	Ok
25	AR1254ICC750	PP070441.D	11 Mar 2025 21:11	YP\AJ	Ok
26	AR1254ICC500	PP070442.D	11 Mar 2025 21:28	YP\AJ	Ok
27	AR1254ICC250	PP070443.D	11 Mar 2025 21:44	YP\AJ	Ok
28	AR1254ICC050	PP070444.D	11 Mar 2025 22:00	YP\AJ	Ok
29	AR1262ICC500	PP070445.D	11 Mar 2025 22:16	YP\AJ	Ok
30	AR1268ICC1000	PP070446.D	11 Mar 2025 22:33	YP\AJ	Ok
31	AR1268ICC750	PP070447.D	11 Mar 2025 22:49	YP\AJ	Ok
32	AR1268ICC500	PP070448.D	11 Mar 2025 23:05	YP\AJ	Ok
33	AR1268ICC250	PP070449.D	11 Mar 2025 23:22	YP\AJ	Ok
34	AR1268ICC050	PP070450.D	11 Mar 2025 23:38	YP\AJ	Ok,M
35	PP031125ICV500	PP070451.D	11 Mar 2025 23:54	YP\AJ	Ok
36	AR1232ICV500	PP070452.D	12 Mar 2025 00:10	YP\AJ	Ok
37	AR1242ICV500	PP070453.D	12 Mar 2025 00:27	YP\AJ	Ok
38	AR1248ICV500	PP070454.D	12 Mar 2025 00:43	YP\AJ	Ok
39	AR1254ICV500	PP070455.D	12 Mar 2025 00:59	YP\AJ	Ok
40	AR1268ICV500	PP070456.D	12 Mar 2025 01:16	YP\AJ	Ok
41	AR1660CCC500	PP070457.D	12 Mar 2025 01:32	YP\AJ	Ok
42	AR1232CCC500	PP070458.D	12 Mar 2025 01:48	YP\AJ	Ok
43	AR1242CCC500	PP070459.D	12 Mar 2025 02:04	YP\AJ	Ok
44	I.BLK	PP070460.D	12 Mar 2025 02:21	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB167066BL	PP070461.D	12 Mar 2025 02:37	YP\AJ	Not Ok
46	Q1502-15	PP070462.D	12 Mar 2025 02:53	YP\AJ	Ok
47	AR1660CCC500	PP070463.D	12 Mar 2025 03:09	YP\AJ	Ok
48	AR1232CCC500	PP070464.D	12 Mar 2025 03:26	YP\AJ	Ok
49	AR1242CCC500	PP070465.D	12 Mar 2025 03:42	YP\AJ	Ok,M
50	I.BLK	PP070466.D	12 Mar 2025 03:58	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070573.D	17 Mar 2025 08:51	YP\AJ	Ok
2	AR1660CCC500	PP070574.D	17 Mar 2025 09:08	YP\AJ	Ok
3	AR1242CCC500	PP070575.D	17 Mar 2025 09:25	YP\AJ	Ok
4	AR1248CCC500	PP070576.D	17 Mar 2025 09:41	YP\AJ	Ok
5	AR1254CCC500	PP070577.D	17 Mar 2025 09:57	YP\AJ	Ok
6	I.BLK	PP070578.D	17 Mar 2025 10:13	YP\AJ	Ok
7	Q1572-01DL	PP070579.D	17 Mar 2025 10:30	YP\AJ	Dilution
8	Q1572-01DL2	PP070580.D	17 Mar 2025 10:46	YP\AJ	Ok
9	Q1572-02DL	PP070581.D	17 Mar 2025 11:02	YP\AJ	Dilution
10	Q1572-02DL2	PP070582.D	17 Mar 2025 11:18	YP\AJ	Ok
11	Q1572-03DL	PP070583.D	17 Mar 2025 11:35	YP\AJ	Dilution
12	Q1572-03DL2	PP070584.D	17 Mar 2025 11:51	YP\AJ	Ok
13	Q1572-04DL	PP070585.D	17 Mar 2025 12:07	YP\AJ	Dilution
14	Q1572-04DL2	PP070586.D	17 Mar 2025 12:23	YP\AJ	Ok,NR
15	Q1572-05DL	PP070587.D	17 Mar 2025 12:40	YP\AJ	Dilution
16	Q1572-05DL2	PP070588.D	17 Mar 2025 12:56	YP\AJ	Ok,M
17	AR1660CCC500	PP070589.D	17 Mar 2025 14:00	YP\AJ	Ok
18	AR1242CCC500	PP070590.D	17 Mar 2025 14:17	YP\AJ	Ok
19	AR1248CCC500	PP070591.D	17 Mar 2025 14:33	YP\AJ	Ok
20	AR1254CCC500	PP070592.D	17 Mar 2025 14:49	YP\AJ	Ok
21	I.BLK	PP070593.D	17 Mar 2025 15:05	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB167154BL	PP070594.D	17 Mar 2025 15:22	YP\AJ	Ok
23	PB167154BS	PP070595.D	17 Mar 2025 15:38	YP\AJ	Ok
24	Q1572-07DL	PP070596.D	17 Mar 2025 15:54	YP\AJ	Ok,M
25	Q1572-06DL	PP070597.D	17 Mar 2025 16:10	YP\AJ	Dilution
26	Q1572-06DL2	PP070598.D	17 Mar 2025 16:27	YP\AJ	Not Ok
27	Q1572-08DL	PP070599.D	17 Mar 2025 16:43	YP\AJ	Ok,M
28	Q1572-09DL	PP070600.D	17 Mar 2025 16:59	YP\AJ	Ok
29	Q1573-01	PP070601.D	17 Mar 2025 17:15	YP\AJ	Ok,M
30	Q1573-01MS	PP070602.D	17 Mar 2025 17:32	YP\AJ	Ok,M
31	Q1573-01MSD	PP070603.D	17 Mar 2025 17:48	YP\AJ	Ok,M
32	AR1660CCC500	PP070604.D	17 Mar 2025 18:37	YP\AJ	Ok
33	AR1242CCC500	PP070605.D	17 Mar 2025 18:53	YP\AJ	Ok
34	AR1248CCC500	PP070606.D	17 Mar 2025 19:09	YP\AJ	Ok
35	AR1254CCC500	PP070607.D	17 Mar 2025 19:25	YP\AJ	Ok
36	I.BLK	PP070608.D	17 Mar 2025 19:42	YP\AJ	Ok
37	Q1573-02	PP070609.D	17 Mar 2025 19:58	YP\AJ	Ok,M
38	Q1573-03	PP070610.D	17 Mar 2025 20:14	YP\AJ	ReRun
39	Q1573-04	PP070611.D	17 Mar 2025 20:30	YP\AJ	Ok,M
40	Q1573-05	PP070612.D	17 Mar 2025 20:47	YP\AJ	Ok,M
41	Q1573-06	PP070613.D	17 Mar 2025 21:03	YP\AJ	Ok
42	Q1573-07	PP070614.D	17 Mar 2025 21:19	YP\AJ	Ok,M
43	Q1573-08	PP070615.D	17 Mar 2025 21:35	YP\AJ	Ok,M
44	Q1573-09	PP070616.D	17 Mar 2025 21:52	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q1573-10	PP070617.D	17 Mar 2025 22:08	YP\AJ	Ok,M
46	Q1573-11	PP070618.D	17 Mar 2025 22:24	YP\AJ	ReRun
47	AR1660CCC500	PP070619.D	17 Mar 2025 23:13	YP\AJ	Ok
48	AR1242CCC500	PP070620.D	17 Mar 2025 23:29	YP\AJ	Ok
49	AR1248CCC500	PP070621.D	17 Mar 2025 23:45	YP\AJ	Ok
50	AR1254CCC500	PP070622.D	18 Mar 2025 00:02	YP\AJ	Ok
51	I.BLK	PP070623.D	18 Mar 2025 00:18	YP\AJ	Ok
52	Q1581-01	PP070624.D	18 Mar 2025 00:34	YP\AJ	Ok
53	Q1585-01	PP070625.D	18 Mar 2025 00:50	YP\AJ	Ok,M
54	PB167172BL	PP070626.D	18 Mar 2025 01:06	YP\AJ	Ok
55	PB167172BS	PP070627.D	18 Mar 2025 01:23	YP\AJ	Ok
56	PB167172BSD	PP070628.D	18 Mar 2025 01:39	YP\AJ	Ok,M
57	Q1573-12	PP070629.D	18 Mar 2025 01:55	YP\AJ	Ok
58	Q1573-13	PP070630.D	18 Mar 2025 02:11	YP\AJ	Ok
59	Q1577-03	PP070631.D	18 Mar 2025 02:28	YP\AJ	Ok,M
60	AR1660CCC500	PP070632.D	18 Mar 2025 03:16	YP\AJ	Ok
61	AR1242CCC500	PP070633.D	18 Mar 2025 03:32	YP\AJ	Ok
62	AR1248CCC500	PP070634.D	18 Mar 2025 03:49	YP\AJ	Ok
63	AR1254CCC500	PP070635.D	18 Mar 2025 04:05	YP\AJ	Ok
64	I.BLK	PP070636.D	18 Mar 2025 04:21	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:25 AM		
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070637.D	18 Mar 2025 07:48	YP\AJ	Ok
2	AR1660CCC500	PP070638.D	18 Mar 2025 08:04	YP\AJ	Ok
3	AR1242CCC500	PP070639.D	18 Mar 2025 08:21	YP\AJ	Ok
4	AR1248CCC500	PP070640.D	18 Mar 2025 08:37	YP\AJ	Ok
5	AR1254CCC500	PP070641.D	18 Mar 2025 08:53	YP\AJ	Ok,M
6	I.BLK	PP070642.D	18 Mar 2025 09:10	YP\AJ	Ok,M
7	PP24328	PP070643.D	18 Mar 2025 09:26	YP\AJ	Ok
8	Q1573-03	PP070644.D	18 Mar 2025 09:42	YP\AJ	Ok,M
9	Q1573-11	PP070645.D	18 Mar 2025 10:14	YP\AJ	Ok,M
10	Q1572-06DL2	PP070646.D	18 Mar 2025 10:31	YP\AJ	Ok,M
11	AR1660CCC500	PP070647.D	18 Mar 2025 11:19	YP\AJ	Ok,M
12	AR1242CCC500	PP070648.D	18 Mar 2025 11:36	YP\AJ	Ok,M
13	AR1248CCC500	PP070649.D	18 Mar 2025 11:52	YP\AJ	Ok
14	AR1254CCC500	PP070650.D	18 Mar 2025 12:08	YP\AJ	Ok,M
15	I.BLK	PP070651.D	18 Mar 2025 12:24	YP\AJ	Ok
16	PB167186BL	PP070652.D	18 Mar 2025 15:02	YP\AJ	Ok
17	PB167186BS	PP070653.D	18 Mar 2025 15:18	YP\AJ	Ok
18	Q1591-02	PP070654.D	18 Mar 2025 15:35	YP\AJ	Ok,M
19	Q1591-03	PP070655.D	18 Mar 2025 15:51	YP\AJ	Ok
20	Q1591-03MS	PP070656.D	18 Mar 2025 16:07	YP\AJ	Ok,M
21	Q1591-03MSD	PP070657.D	18 Mar 2025 16:23	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:25 AM		
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1592-01	PP070658.D	18 Mar 2025 16:40	YP\AJ	Ok
23	Q1590-01	PP070659.D	18 Mar 2025 16:56	YP\AJ	Ok
24	Q1590-02	PP070660.D	18 Mar 2025 17:12	YP\AJ	Ok,M
25	Q1591-01	PP070661.D	18 Mar 2025 17:28	YP\AJ	Ok,M
26	AR1660CCC500	PP070662.D	18 Mar 2025 18:17	YP\AJ	Ok,M
27	AR1242CCC500	PP070663.D	18 Mar 2025 18:34	YP\AJ	Ok
28	AR1248CCC500	PP070664.D	18 Mar 2025 18:50	YP\AJ	Ok
29	AR1254CCC500	PP070665.D	18 Mar 2025 19:06	YP\AJ	Ok,M
30	I.BLK	PP070666.D	18 Mar 2025 19:22	YP\AJ	Ok
31	PB167184BL	PP070667.D	18 Mar 2025 19:39	YP\AJ	Ok
32	PB167184BS	PP070668.D	18 Mar 2025 19:55	YP\AJ	Ok
33	PB167184BSD	PP070669.D	18 Mar 2025 20:11	YP\AJ	Ok
34	Q1591-04	PP070670.D	18 Mar 2025 20:27	YP\AJ	Ok
35	Q1591-05	PP070671.D	18 Mar 2025 20:44	YP\AJ	Ok,M
36	Q1591-06	PP070672.D	18 Mar 2025 21:00	YP\AJ	Ok,M
37	Q1592-03	PP070673.D	18 Mar 2025 21:16	YP\AJ	Ok,M
38	Q1593-01	PP070674.D	18 Mar 2025 21:32	YP\AJ	Ok
39	Q1594-01	PP070675.D	18 Mar 2025 21:49	YP\AJ	Ok
40	Q1590-04	PP070676.D	18 Mar 2025 22:05	YP\AJ	Ok,M
41	AR1660CCC500	PP070677.D	18 Mar 2025 22:54	YP\AJ	Ok
42	AR1242CCC500	PP070678.D	18 Mar 2025 23:10	YP\AJ	Ok,M
43	AR1248CCC500	PP070679.D	18 Mar 2025 23:26	YP\AJ	Ok
44	AR1254CCC500	PP070680.D	18 Mar 2025 23:42	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:25 AM		
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	I.BLK	PP070681.D	18 Mar 2025 23:59	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070417.D	11 Mar 2025 14:41		YP\AJ	Ok
2	I.BLK	I.BLK	PP070418.D	11 Mar 2025 14:57		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP070419.D	11 Mar 2025 15:13		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP070420.D	11 Mar 2025 15:29		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP070421.D	11 Mar 2025 15:46		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP070422.D	11 Mar 2025 16:02		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP070423.D	11 Mar 2025 16:18		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070424.D	11 Mar 2025 16:34		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP070425.D	11 Mar 2025 16:51		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP070426.D	11 Mar 2025 17:07		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP070427.D	11 Mar 2025 17:23		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP070428.D	11 Mar 2025 17:40		YP\AJ	Ok,M
13	AR1232ICC050	AR1232ICC050	PP070429.D	11 Mar 2025 17:56		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP070430.D	11 Mar 2025 18:12		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP070431.D	11 Mar 2025 18:28		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP070432.D	11 Mar 2025 18:45		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP070433.D	11 Mar 2025 19:01		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP070434.D	11 Mar 2025 19:17		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP070435.D	11 Mar 2025 19:34		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP070436.D	11 Mar 2025 19:50		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP070437.D	11 Mar 2025 20:06		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP070438.D	11 Mar 2025 20:22		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP070439.D	11 Mar 2025 20:39		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP070440.D	11 Mar 2025 20:55		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP070441.D	11 Mar 2025 21:11		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP070442.D	11 Mar 2025 21:28		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP070443.D	11 Mar 2025 21:44		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP070444.D	11 Mar 2025 22:00		YP\AJ	Ok
29	AR1262ICC500	AR1262ICC500	PP070445.D	11 Mar 2025 22:16		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP070446.D	11 Mar 2025 22:33		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP070447.D	11 Mar 2025 22:49		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP070448.D	11 Mar 2025 23:05		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP070449.D	11 Mar 2025 23:22		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP070450.D	11 Mar 2025 23:38		YP\AJ	Ok,M
35	PP031125ICV500	ICVPP031125	PP070451.D	11 Mar 2025 23:54		YP\AJ	Ok
36	AR1232ICV500	ICVPP031125AR1232	PP070452.D	12 Mar 2025 00:10		YP\AJ	Ok
37	AR1242ICV500	ICVPP031125AR1242	PP070453.D	12 Mar 2025 00:27		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP031125AR1248	PP070454.D	12 Mar 2025 00:43		YP\AJ	Ok
39	AR1254ICV500	ICVPP031125AR1254	PP070455.D	12 Mar 2025 00:59		YP\AJ	Ok
40	AR1268ICV500	ICVPP031125AR1268	PP070456.D	12 Mar 2025 01:16		YP\AJ	Ok
41	AR1660CCC500	AR1660CCC500	PP070457.D	12 Mar 2025 01:32		YP\AJ	Ok
42	AR1232CCC500	AR1232CCC500	PP070458.D	12 Mar 2025 01:48		YP\AJ	Ok
43	AR1242CCC500	AR1242CCC500	PP070459.D	12 Mar 2025 02:04		YP\AJ	Ok
44	I.BLK	I.BLK	PP070460.D	12 Mar 2025 02:21		YP\AJ	Ok
45	PB167066BL	PB167066BL	PP070461.D	12 Mar 2025 02:37	Already run	YP\AJ	Not Ok
46	Q1502-15	PT-PCBW-WP	PP070462.D	12 Mar 2025 02:53	AR1232 HIT	YP\AJ	Ok
47	AR1660CCC500	AR1660CCC500	PP070463.D	12 Mar 2025 03:09		YP\AJ	Ok
48	AR1232CCC500	AR1232CCC500	PP070464.D	12 Mar 2025 03:26		YP\AJ	Ok
49	AR1242CCC500	AR1242CCC500	PP070465.D	12 Mar 2025 03:42		YP\AJ	Ok,M
50	I.BLK	I.BLK	PP070466.D	12 Mar 2025 03:58		YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070573.D	17 Mar 2025 08:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070574.D	17 Mar 2025 09:08		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070575.D	17 Mar 2025 09:25		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070576.D	17 Mar 2025 09:41		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070577.D	17 Mar 2025 09:57		YP\AJ	Ok
6	I.BLK	I.BLK	PP070578.D	17 Mar 2025 10:13		YP\AJ	Ok
7	Q1572-01DL	C0AC9DL	PP070579.D	17 Mar 2025 10:30	AR1248 + AR1260 Hit, Need Dilution, DCB high in 2nd column	YP\AJ	Dilution
8	Q1572-01DL2	C0AC9DL2	PP070580.D	17 Mar 2025 10:46	AR1248 + AR1260 Hit	YP\AJ	Ok
9	Q1572-02DL	C0O14DL	PP070581.D	17 Mar 2025 11:02	AR1260 + AR1248 Hit , Need dilution, DCB high 2nd column, TCMX high in Both column	YP\AJ	Dilution
10	Q1572-02DL2	C0O14DL2	PP070582.D	17 Mar 2025 11:18	AR1260 AR1248 Hit	YP\AJ	Ok
11	Q1572-03DL	C0O15DL	PP070583.D	17 Mar 2025 11:35	AR1260 AR1248 Hit , Need dilution	YP\AJ	Dilution
12	Q1572-03DL2	C0O15DL2	PP070584.D	17 Mar 2025 11:51	AR1260 AR1248 Hit	YP\AJ	Ok
13	Q1572-04DL	C0O16DL	PP070585.D	17 Mar 2025 12:07	AR1260 + AR1248 Hit, Need Dilution	YP\AJ	Dilution
14	Q1572-04DL2	C0O16DL2	PP070586.D	17 Mar 2025 12:23	AR1260 + AR1248 Hit	YP\AJ	Ok,NR
15	Q1572-05DL	C0O17DL	PP070587.D	17 Mar 2025 12:40	AR1248 + AR1260 Hit, Need Dilution, DCB High in 2nd column	YP\AJ	Dilution
16	Q1572-05DL2	C0O17DL2	PP070588.D	17 Mar 2025 12:56	AR1248 + AR1260 Hit,	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	AR1660CCC500	AR1660CCC500	PP070589.D	17 Mar 2025 14:00		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP070590.D	17 Mar 2025 14:17		YP\AJ	Ok
19	AR1248CCC500	AR1248CCC500	PP070591.D	17 Mar 2025 14:33		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP070592.D	17 Mar 2025 14:49		YP\AJ	Ok
21	I.BLK	I.BLK	PP070593.D	17 Mar 2025 15:05		YP\AJ	Ok
22	PB167154BL	PB167154BL	PP070594.D	17 Mar 2025 15:22		YP\AJ	Ok
23	PB167154BS	PB167154BS	PP070595.D	17 Mar 2025 15:38		YP\AJ	Ok
24	Q1572-07DL	C0O19DL	PP070596.D	17 Mar 2025 15:54	AR1260 AR1248 Hit	YP\AJ	Ok,M
25	Q1572-06DL	C0O18DL	PP070597.D	17 Mar 2025 16:10	AR1260 AR1248 Hit, Need Further 20X Dilution	YP\AJ	Dilution
26	Q1572-06DL2	C0O18DL2	PP070598.D	17 Mar 2025 16:27	AR1260 AR1248 Hit, Need Further 2X Dilution	YP\AJ	Not Ok
27	Q1572-08DL	C0O20DL	PP070599.D	17 Mar 2025 16:43	AR1248 Hit, DCB High in 2nd column	YP\AJ	Ok,M
28	Q1572-09DL	C0O21DL	PP070600.D	17 Mar 2025 16:59	AR1248 Hit	YP\AJ	Ok
29	Q1573-01	C0AC4	PP070601.D	17 Mar 2025 17:15	AR1248 + AR1260 Hit	YP\AJ	Ok,M
30	Q1573-01MS	C0AC4MS	PP070602.D	17 Mar 2025 17:32		YP\AJ	Ok,M
31	Q1573-01MSD	C0AC4MSD	PP070603.D	17 Mar 2025 17:48		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP070604.D	17 Mar 2025 18:37		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP070605.D	17 Mar 2025 18:53		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP070606.D	17 Mar 2025 19:09		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

35	AR1254CCC500	AR1254CCC500	PP070607.D	17 Mar 2025 19:25		YP\AJ	Ok
36	I.BLK	I.BLK	PP070608.D	17 Mar 2025 19:42		YP\AJ	Ok
37	Q1573-02	C0AC5	PP070609.D	17 Mar 2025 19:58	AR1248 + AR1260 Hit, DCB Low in 1st column	YP\AJ	Ok,M
38	Q1573-03	C0AC6	PP070610.D	17 Mar 2025 20:14	AR1248 + AR1260 Hit, DCB Low in both column	YP\AJ	ReRun
39	Q1573-04	C0AC8	PP070611.D	17 Mar 2025 20:30	AR1248 + AR1260 Hit	YP\AJ	Ok,M
40	Q1573-05	C0O29	PP070612.D	17 Mar 2025 20:47	AR1260 Hit	YP\AJ	Ok,M
41	Q1573-06	C0O30	PP070613.D	17 Mar 2025 21:03	AR1260 Hit	YP\AJ	Ok
42	Q1573-07	C0O31	PP070614.D	17 Mar 2025 21:19	AR1248 + AR1260 Hit	YP\AJ	Ok,M
43	Q1573-08	C0O32	PP070615.D	17 Mar 2025 21:35	AR1248 + AR1260 Hit	YP\AJ	Ok,M
44	Q1573-09	C0O33	PP070616.D	17 Mar 2025 21:52	AR1248 + AR1260 Hit	YP\AJ	Ok,M
45	Q1573-10	C0O34	PP070617.D	17 Mar 2025 22:08	AR1248 + AR1260 Hit	YP\AJ	Ok,M
46	Q1573-11	C0O35	PP070618.D	17 Mar 2025 22:24	AR1248 + AR1260 Hit, DCB low in both column	YP\AJ	ReRun
47	AR1660CCC500	AR1660CCC500	PP070619.D	17 Mar 2025 23:13		YP\AJ	Ok
48	AR1242CCC500	AR1242CCC500	PP070620.D	17 Mar 2025 23:29		YP\AJ	Ok
49	AR1248CCC500	AR1248CCC500	PP070621.D	17 Mar 2025 23:45		YP\AJ	Ok
50	AR1254CCC500	AR1254CCC500	PP070622.D	18 Mar 2025 00:02		YP\AJ	Ok
51	I.BLK	I.BLK	PP070623.D	18 Mar 2025 00:18		YP\AJ	Ok
52	Q1581-01	TR-06-031425	PP070624.D	18 Mar 2025 00:34		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

53	Q1585-01	OK-02-03142025	PP070625.D	18 Mar 2025 00:50		YP\AJ	Ok,M
54	PB167172BL	PB167172BL	PP070626.D	18 Mar 2025 01:06		YP\AJ	Ok
55	PB167172BS	PB167172BS	PP070627.D	18 Mar 2025 01:23		YP\AJ	Ok
56	PB167172BSD	PB167172BSD	PP070628.D	18 Mar 2025 01:39		YP\AJ	Ok,M
57	Q1573-12	C0AC7	PP070629.D	18 Mar 2025 01:55		YP\AJ	Ok
58	Q1573-13	C0O37	PP070630.D	18 Mar 2025 02:11		YP\AJ	Ok
59	Q1577-03	MOO-25-0072	PP070631.D	18 Mar 2025 02:28		YP\AJ	Ok,M
60	AR1660CCC500	AR1660CCC500	PP070632.D	18 Mar 2025 03:16		YP\AJ	Ok
61	AR1242CCC500	AR1242CCC500	PP070633.D	18 Mar 2025 03:32		YP\AJ	Ok
62	AR1248CCC500	AR1248CCC500	PP070634.D	18 Mar 2025 03:49		YP\AJ	Ok
63	AR1254CCC500	AR1254CCC500	PP070635.D	18 Mar 2025 04:05		YP\AJ	Ok
64	I.BLK	I.BLK	PP070636.D	18 Mar 2025 04:21		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:25 AM		
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070637.D	18 Mar 2025 07:48		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070638.D	18 Mar 2025 08:04		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070639.D	18 Mar 2025 08:21		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070640.D	18 Mar 2025 08:37		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070641.D	18 Mar 2025 08:53		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP070642.D	18 Mar 2025 09:10		YP\AJ	Ok,M
7	PP24328	PP24328	PP070643.D	18 Mar 2025 09:26		YP\AJ	Ok
8	Q1573-03	C0AC6	PP070644.D	18 Mar 2025 09:42	AR1248 + AR1260 Hit	YP\AJ	Ok,M
9	Q1573-11	C0O35	PP070645.D	18 Mar 2025 10:14	AR1248 + AR1260 Hit	YP\AJ	Ok,M
10	Q1572-06DL2	C0O18DL2	PP070646.D	18 Mar 2025 10:31	AR1260 AR1248 Hit,	YP\AJ	Ok,M
11	AR1660CCC500	AR1660CCC500	PP070647.D	18 Mar 2025 11:19		YP\AJ	Ok,M
12	AR1242CCC500	AR1242CCC500	PP070648.D	18 Mar 2025 11:36		YP\AJ	Ok,M
13	AR1248CCC500	AR1248CCC500	PP070649.D	18 Mar 2025 11:52		YP\AJ	Ok
14	AR1254CCC500	AR1254CCC500	PP070650.D	18 Mar 2025 12:08		YP\AJ	Ok,M
15	I.BLK	I.BLK	PP070651.D	18 Mar 2025 12:24		YP\AJ	Ok
16	PB167186BL	PB167186BL	PP070652.D	18 Mar 2025 15:02		YP\AJ	Ok
17	PB167186BS	PB167186BS	PP070653.D	18 Mar 2025 15:18		YP\AJ	Ok
18	Q1591-02	GAS-TRE-25-0037	PP070654.D	18 Mar 2025 15:35	AR1254 Hit	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:25 AM		
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1591-03	ARS20-0008	PP070655.D	18 Mar 2025 15:51		YP\AJ	Ok
20	Q1591-03MS	ARS20-0008MS	PP070656.D	18 Mar 2025 16:07		YP\AJ	Ok,M
21	Q1591-03MSD	ARS20-0008MSD	PP070657.D	18 Mar 2025 16:23		YP\AJ	Ok,M
22	Q1592-01	OILY-DEBRIS-COMP	PP070658.D	18 Mar 2025 16:40		YP\AJ	Ok
23	Q1590-01	3794	PP070659.D	18 Mar 2025 16:56		YP\AJ	Ok
24	Q1590-02	20071	PP070660.D	18 Mar 2025 17:12		YP\AJ	Ok,M
25	Q1591-01	GAS-TRE-1084	PP070661.D	18 Mar 2025 17:28		YP\AJ	Ok,M
26	AR1660CCC500	AR1660CCC500	PP070662.D	18 Mar 2025 18:17		YP\AJ	Ok,M
27	AR1242CCC500	AR1242CCC500	PP070663.D	18 Mar 2025 18:34		YP\AJ	Ok
28	AR1248CCC500	AR1248CCC500	PP070664.D	18 Mar 2025 18:50		YP\AJ	Ok
29	AR1254CCC500	AR1254CCC500	PP070665.D	18 Mar 2025 19:06		YP\AJ	Ok,M
30	I.BLK	I.BLK	PP070666.D	18 Mar 2025 19:22		YP\AJ	Ok
31	PB167184BL	PB167184BL	PP070667.D	18 Mar 2025 19:39		YP\AJ	Ok
32	PB167184BS	PB167184BS	PP070668.D	18 Mar 2025 19:55		YP\AJ	Ok
33	PB167184BSD	PB167184BSD	PP070669.D	18 Mar 2025 20:11		YP\AJ	Ok
34	Q1591-04	GAS-TRE-25-0026	PP070670.D	18 Mar 2025 20:27		YP\AJ	Ok
35	Q1591-05	GAS-TRE-25-0027	PP070671.D	18 Mar 2025 20:44		YP\AJ	Ok,M
36	Q1591-06	GAS-TRE-25-0028	PP070672.D	18 Mar 2025 21:00		YP\AJ	Ok,M
37	Q1592-03	257952	PP070673.D	18 Mar 2025 21:16		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:25 AM		
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1593-01	258829	PP070674.D	18 Mar 2025 21:32		YP\AJ	Ok
39	Q1594-01	GAS-CAM-40615	PP070675.D	18 Mar 2025 21:49		YP\AJ	Ok
40	Q1590-04	3799	PP070676.D	18 Mar 2025 22:05		YP\AJ	Ok,M
41	AR1660CCC500	AR1660CCC500	PP070677.D	18 Mar 2025 22:54		YP\AJ	Ok
42	AR1242CCC500	AR1242CCC500	PP070678.D	18 Mar 2025 23:10		YP\AJ	Ok,M
43	AR1248CCC500	AR1248CCC500	PP070679.D	18 Mar 2025 23:26		YP\AJ	Ok
44	AR1254CCC500	AR1254CCC500	PP070680.D	18 Mar 2025 23:42		YP\AJ	Ok,M
45	I.BLK	I.BLK	PP070681.D	18 Mar 2025 23:59		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 03/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 105
Time OUT: 08:35
Out Date: 03/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB135036

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1569-01	TAP-IDW-SOIL-031325-01	1	1.14	11.74	12.88	10.13	76.6	
Q1569-04	TAP-IDW-SOIL-031325-02	2	1.16	10.92	12.08	9.16	73.3	
Q1572-01	C0AC9	3	1.12	10.23	11.35	8.25	69.7	
Q1572-02	C0O14	4	1.15	10.41	11.56	9.32	78.5	
Q1572-03	C0O15	5	1.18	10.05	11.23	9.22	80.0	
Q1572-04	C0O16	6	1.15	9.00	10.15	7.3	68.3	
Q1572-05	C0O17	7	1.14	10.49	11.63	8.97	74.6	
Q1572-06	C0O18	8	1.15	9.91	11.06	8.68	76.0	
Q1572-07	C0O19	9	1.16	10.15	11.31	8.17	69.1	
Q1572-08	C0O20	10	1.13	10.26	11.39	8.8	74.8	
Q1572-09	C0O21	11	1.15	10.40	11.55	8.11	66.9	
Q1572-10	C0O22	12	1.15	10.39	11.54	8.00	65.9	
Q1572-11	C0O23	13	1.14	10.46	11.6	9.91	83.8	
Q1572-12	C0O24	14	1.13	10.28	11.41	8.82	74.8	
Q1572-13	C0O25	15	1.12	10.22	11.34	8.92	76.3	
Q1572-14	C0O26	16	1.19	10.23	11.42	8.82	74.6	
Q1572-15	C0O27	17	1.12	10.48	11.6	8.85	73.8	
Q1572-16	C0O28	18	1.15	10.11	11.26	9.52	82.8	
Q1573-01	C0AC4	19	1.19	10.51	11.7	8.81	72.5	
Q1573-02	C0AC5	20	1.16	11.03	12.19	8.16	63.5	
Q1573-03	C0AC6	21	1.14	10.38	11.52	7.66	62.8	
Q1573-04	C0AC8	22	1.16	10.28	11.44	7.25	59.2	
Q1573-05	C0O29	23	1.18	10.60	11.78	7.09	55.8	
Q1573-06	C0O30	24	1.13	10.13	11.26	8.17	69.5	
Q1573-07	C0O31	25	1.19	10.24	11.43	8.1	67.5	
Q1573-08	C0O32	26	1.15	10.08	11.23	6.7	55.1	
Q1573-09	C0O33	27	1.13	10.27	11.4	7.76	64.6	
Q1573-10	C0O34	28	1.14	10.42	11.56	9.7	82.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 03/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 105
Time OUT: 08:35
Out Date: 03/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB135036

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1573-11	C0O35	29	1.19	11.25	12.44	9.97	78.0	
Q1574-01	WC1	30	1.11	10.31	11.42	11.21	98.0	
Q1578-01	JEC817T-1-1	31	1.00	1.00	2.00	2.00	100.0	pilc
Q1578-02	JEC817T-1-2	32	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-01	BC271189-1-1	33	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-02	BC271189-1-2	34	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-03	BC271038-1-1	35	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-04	BC271038-1-2	36	1.00	1.00	2.00	2.00	100.0	pilc
Q1581-01	TR-06-031425	37	1.14	10.08	11.22	10.54	93.3	
Q1581-02	TR-06-031425-E2	38	1.18	10.18	11.36	10.64	92.9	
Q1584-05	SVOC-GPC-BLANK	39	1.00	1.00	2.00	2.00	100.0	
Q1584-06	PEST-GPC-BLANK	40	1.00	1.00	2.00	2.00	100.0	
Q1584-07	PEST-GPC-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1584-08	PCB-GPC-BLANK	42	1.00	1.00	2.00	2.00	100.0	
Q1584-09	PCB-GPC-BLANK-SPIKE	43	1.00	1.00	2.00	2.00	100.0	
Q1584-10	SVOC-GPC2-BLANK	44	1.00	1.00	2.00	2.00	100.0	
Q1584-11	PEST-GPC2-BLANK	45	1.00	1.00	2.00	2.00	100.0	
Q1584-12	PEST-GPC2-BLANK-SPIKE	46	1.00	1.00	2.00	2.00	100.0	
Q1584-13	PCB-GPC2-BLANK	47	1.00	1.00	2.00	2.00	100.0	
Q1584-14	PCB-GPC2-BLANK-SPIKE	48	1.00	1.00	2.00	2.00	100.0	
Q1585-01	OK-02-03142025	49	1.14	10.43	11.57	11.27	97.1	
Q1585-02	OK-02-03142025-E2	50	1.13	10.27	11.4	10.89	95.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135036

WorkList Name : %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1569-01	TAP-IDW-SOIL-031325-01	Solid	Percent Solids	Cool 4 deg C	WEST04	I33	03/13/2025	Chemtech -SO
Q1569-04	TAP-IDW-SOIL-031325-02	Solid	Percent Solids	Cool 4 deg C	WEST04	I33	03/13/2025	Chemtech -SO
Q1572-01	C0AC9	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-02	C0O14	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-03	C0O15	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-04	C0O16	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-05	C0O17	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-06	C0O18	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-07	C0O19	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-08	C0O20	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-09	C0O21	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-10	C0O22	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-11	C0O23	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-12	C0O24	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-13	C0O25	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-14	C0O26	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-15	C0O27	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-16	C0O28	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1573-01	C0AC4	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1573-02	C0AC5	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-03	C0AC6	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO

Date/Time 03/13/25 16:10

Raw Sample Received by: SP WPC

Raw Sample Relinquished by: IT (SM)

Date/Time 03/13/25 03/14/25 17:30

Raw Sample Received by: IT (SM)

Raw Sample Relinquished by: SP WPC

WORKLIST(Hardcopy Internal Chain)

VB135036

WorkList Name : %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1573-04	C0AC8	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-05	C0O29	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-06	C0O30	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-07	C0O31	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-08	C0O32	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-09	C0O33	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-10	C0O34	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-11	C0O35	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1574-01	WC1	Solid	Percent Solids	Cool 4 deg C	GENV01	I41	03/12/2025	Chemtech -SO
Q1578-01	JEC817T-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1578-02	JEC817T-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-01	BC271189-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-02	BC271189-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-03	BC271038-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-04	BC271038-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1581-01	TR-06-031425	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1581-02	TR-06-031425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1584-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO

Date/Time 03/14/25 16:10

Raw Sample Received by: SB WOC

Raw Sample Relinquished by: JTCSM

Date/Time 03/14/25 1730

Raw Sample Received by: JTCSM

Raw Sample Relinquished by: SB WOC

WORKLIST(Hardcopy Internal Chain)

VB 135036

WorkList Name : %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1584-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1585-01	OK-02-03142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1585-02	OK-02-03142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO

Date/Time 03/14/25 16:10
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: IT (SM)

Date/Time 03/14/25 17:30
Raw Sample Received by: IT (SM)
Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167154

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 03/17/2025

Extraction Start Time : 08:35

Extraction End Date : 03/17/2025

Extraction End Time : 11:35

Concentration By: EH

Supervisor By : RUPESH

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	PP24209
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
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2593
Sand	N/A	E2865
Hexane	N/A	E3877
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/17/25	RS (Bot Lab)	R Patel/PCB Lab
11:40	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167154

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/17/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167154BL	ABLK154	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167154BS	ALCS154	PCB Group1	30.02	N/A	ritesh	Evelyn	10			2
Q1573-01	C0AC4	PCB Group1	30.05	N/A	ritesh	Evelyn	10			3
Q1573-01MS	C0AC4MS	PCB Group1	30.06	N/A	ritesh	Evelyn	10			4
Q1573-01MSD	C0AC4MSD	PCB Group1	30.02	N/A	ritesh	Evelyn	10			5
Q1573-02	C0AC5	PCB Group1	30.10	N/A	ritesh	Evelyn	10			6
Q1573-03	C0AC6	PCB Group1	30.08	N/A	ritesh	Evelyn	10			U6-1
Q1573-04	C0AC8	PCB Group1	30.06	N/A	ritesh	Evelyn	10			2
Q1573-05	C0O29	PCB Group1	30.03	N/A	ritesh	Evelyn	10			3
Q1573-06	C0O30	PCB Group1	30.07	N/A	ritesh	Evelyn	10			4
Q1573-07	C0O31	PCB Group1	30.04	N/A	ritesh	Evelyn	10			5
Q1573-08	C0O32	PCB Group1	30.05	N/A	ritesh	Evelyn	10			6
Q1573-09	C0O33	PCB Group1	30.02	N/A	ritesh	Evelyn	10			U2-1
Q1573-10	C0O34	PCB Group1	30.07	N/A	ritesh	Evelyn	10			2
Q1573-11	C0O35	PCB Group1	30.05	N/A	ritesh	Evelyn	10			3
Q1581-01	TR-06-031425	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q1585-01	OK-02-03142025	PCB	30.03	N/A	ritesh	Evelyn	10	E		5

RS 3/17

* **Extracts relinguished on the same date as received.**

16/15/4 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1573 **WorkList ID :** 188308 **Department :** Extraction **Date :** 03-17-2025 08:30:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1573-01	C0AC4	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-02	C0AC5	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-03	C0AC6	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-04	C0AC8	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-05	C0O29	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-06	C0O30	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-07	C0O31	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-08	C0O32	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-09	C0O33	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-10	C0O34	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1573-11	C0O35	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1581-01	TR-06-031425	Solid	PCB	Cool 4 deg C	PSEG05	I41	03/14/2025	8082A
Q1585-01	OK-02-03142025	Solid	PCB	Cool 4 deg C	PSEG05	I41	03/14/2025	8082A

Date/Time 03/17/25 8:31
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 03/17/25 9:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167172

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A

Balance check: RJ

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 03/17/2025

Extraction Start Time : 09:35

Extraction End Date : 03/17/2025

Extraction End Time : 14:20

Concentration By: EH

Supervisor By : RUPESH

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	PP24209
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	EP2593
Hexane	N/A	E3877
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721. Q1577-01 Used Limited volume sample is oily.

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
3/17/25	RS (Ext lab)	T-P-Pest-PCB.
14:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167172

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 03/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167172BL	ABLK172	PCB Group1	1000	6	RUPESH	ritesh	10			SEP-5
PB167172BS	ALCS172	PCB Group1	1000	6	RUPESH	ritesh	10			6
PB167172BSD	ALCSD172	PCB Group1	1000	6	RUPESH	ritesh	10			7
Q1573-12	C0AC7	PCB Group1	980	6	RUPESH	ritesh	10			8
Q1573-13	C0O37	PCB Group1	970	6	RUPESH	ritesh	10			9
Q1577-03	MOO-25-0072	PCB	100	6	RUPESH	ritesh	10	C		10

RS 3/17

* **Extracts relinquished on the same date as received.**

3/17/25 9:31

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1577 **WorkList ID :** 188320 **Department :** Extraction **Date :** 03-17-2025 08:49:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1573-12	C0AC7	Water	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1573-13	C0O37	Water	PCB Group1	Cool 4 deg C	TETR16	I31	03/11/2025	8082A
Q1577-03	MOO-25-0072	Water	PCB	Cool 4 deg C	PSEG03	I41	03/14/2025	8082A

Date/Time 3/17/25 9:25
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: [signature] SR

Date/Time 3/17/25 9:50
Raw Sample Received by: [signature] SR
Raw Sample Relinquished by: RJ (Ext Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1573

Test : PCB Group1

Prepbatch ID : PB167154,PB167172,

Sequence ID/Qc Batch ID: PP031725,PP031825,

Standard ID :
EP2565,EP2592,EP2593,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24209,PP24217,

Chemical ID :
E2865,E3551,E3804,E3805,E3825,E3876,E3877,E3904,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12948,P12957,P13033,P13350,P13354,P13372,W3112,

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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
230	1:1ACETONE/HEXANE	EP2592	02/27/2025	08/12/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/27/2025

FROM 4000.00000ml of E3876 + 4000.00000ml of E3877 = Final Quantity: 8000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2593	03/07/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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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	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

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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
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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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
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23946	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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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
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24209	02/27/2025	08/27/2025	Ankita Jodhani	None	None	Yogesh Patel 03/06/2025

FROM 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

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 /	02/12/2025 / Rajesh	E3876

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	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 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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 #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Sand
Purified
Washed and Ignited

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Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551

Acetone
CMOS

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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

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Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

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Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 2/12/25

E 3876

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3904

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
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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. : 32039 **Lot No.:** A0163157

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,007.0 µg/mL	+/- 5.8683	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.9082	µg/mL	Unstressed
	Purity ----%			+/- 41.6868	µg/mL	Stressed
2	Aroclor 1260		1,008.0 µg/mL	+/- 5.8741	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.9399	µg/mL	Unstressed
	Purity ----%			+/- 41.7282	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 10476
&
P 10480

AR
02/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

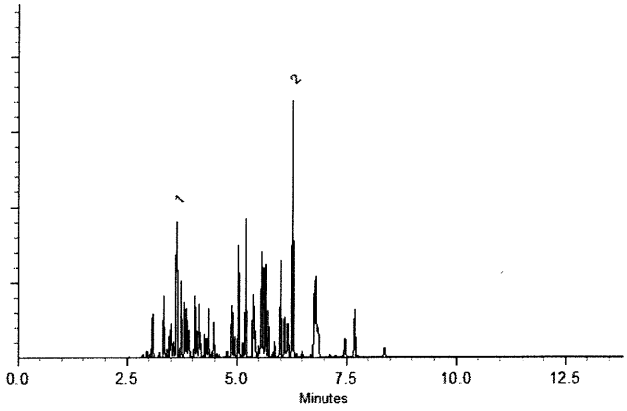
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0167722

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	1,004.0 µg/mL	+/- 5.9635	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340	µg/mL	Unstressed
	Purity ----%		+/- 41.5787	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10496
J
P10500

AJ
09/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

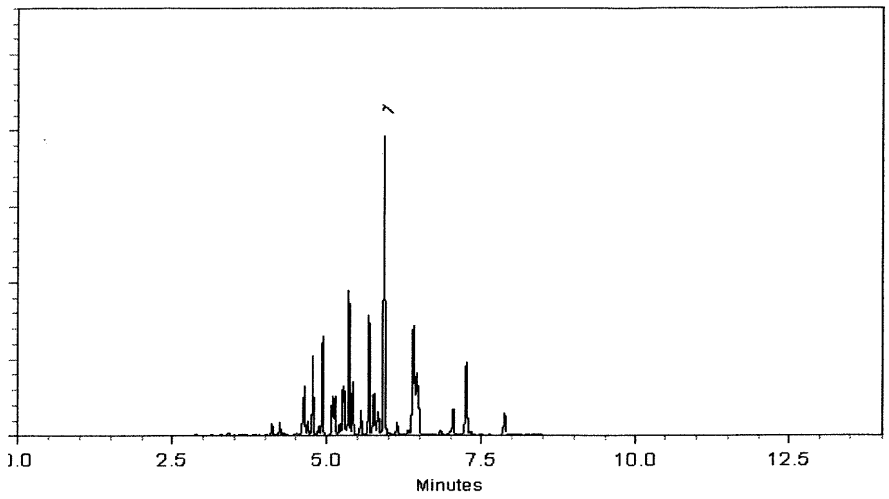
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20ºC to 25ºC immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11533 + P11537

AJ 02/21/22

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ISO 17034

Agilent
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Reference Material Certificate

Product Name:	Aroclor 1248 Standard	**Lot Number:**	0006626997
Product Number:	PP-342-1	**Lot Issue Date:**	17-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2025

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508 → P11512 AJ 12/21/22

CSD-QA-015.1

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 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
Page: 2 of 2
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY

ISO 17025 Cert
No. AT-1937

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
Page: 1 of 1
www.agilent.com/quality/
CSD-QA-015.1

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ISO 17025 Cert No. AT-1937

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0175456

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL	Unstressed
	Purity ----%		+/- 41.4958 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11578 (S)
↓
P 11582

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

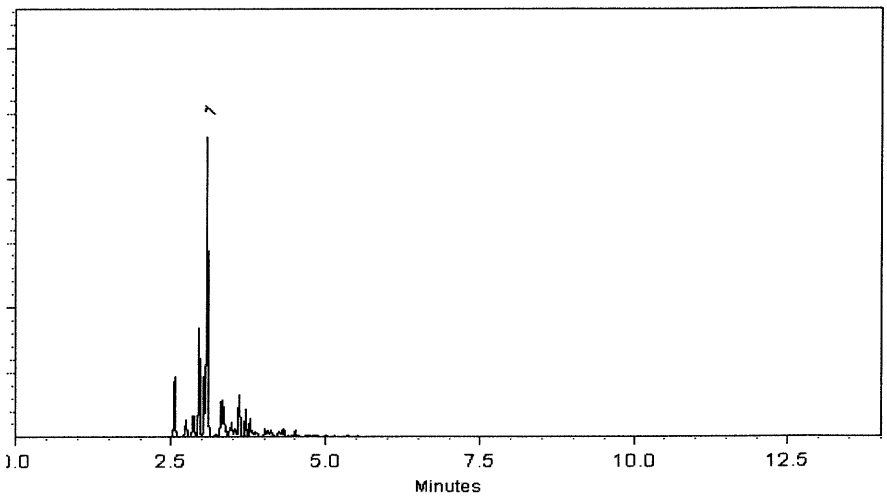
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11578 ↓ P11582 (5)

AR 04/30/22

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www.restek.com

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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.:** A0173309

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL	Unstressed
	Purity ----%		+/- 41.4544 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11583 ↓ P11597 (S)

AR 04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

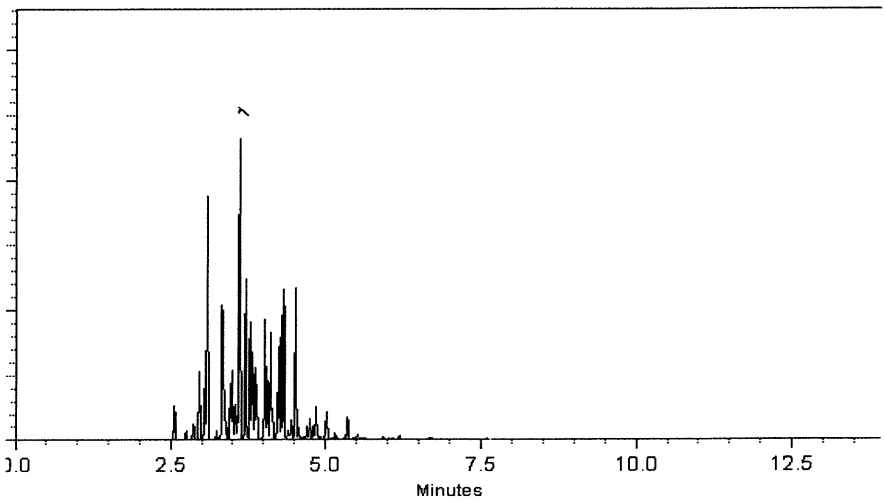
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11583 ↓ P11587 | (5)

AR 04/30/22

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Fax: (814)353-1309

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Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437 µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL	Unstressed
	Purity ----%		+/- 41.4406 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588 ↓ P11592

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

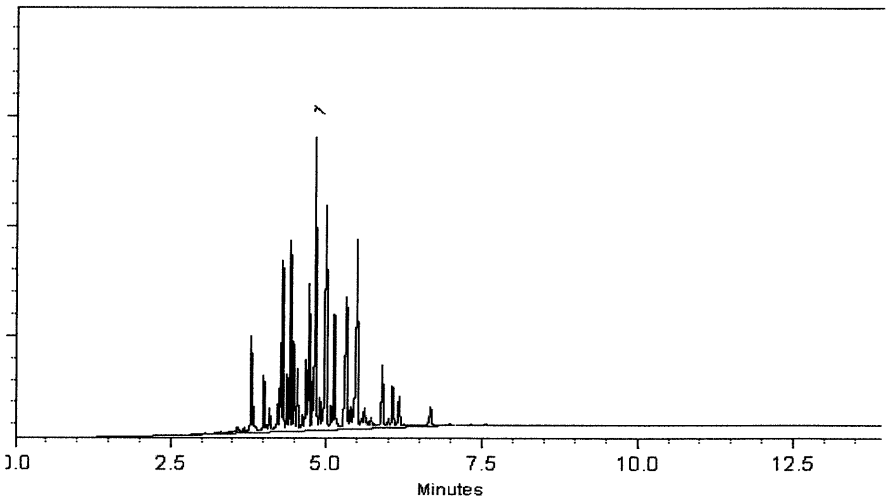
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11588 | (5)
1
P11592

AR
04/30/22

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0181782

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,001.4 µg/mL	+/- 5.9480	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516	µg/mL	Unstressed
	Purity ----%		+/- 41.4710	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593 (5)
↓
P 11597

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

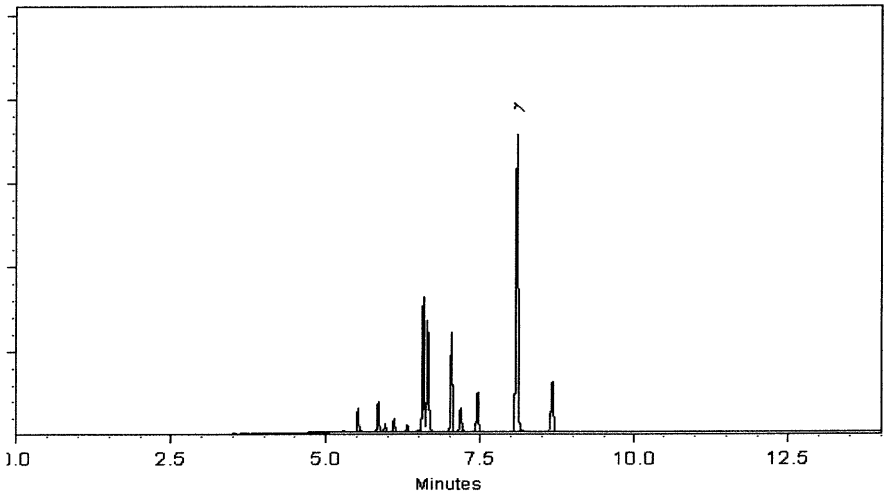
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022 **Balance:** 1128360905

Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11593 | 5
↓
P 11597
04/30/2022

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CERTIFIED WEIGHT REPORT

Part Number:	91867
Lot Number:	020823
Description:	WP 037 - Aroclor 1232 PCB Technical Mixture
Expiration Date:	020833
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	100
NIST Test ID#:	6UTB

Solvent(
Acet

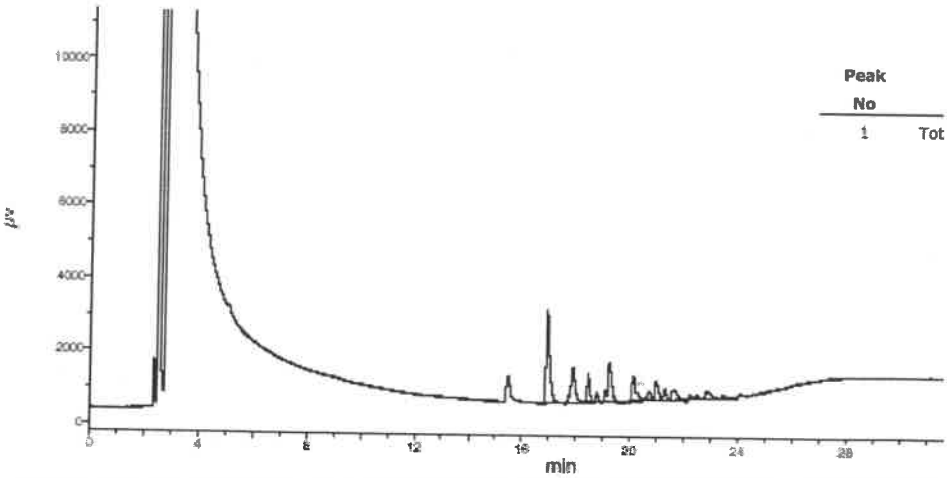
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Targ Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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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
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P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

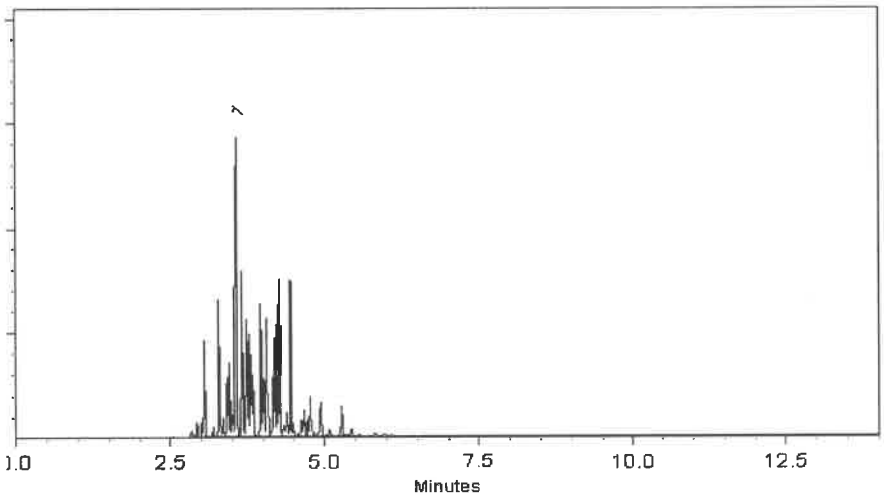
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12933
↓
P12937
AJ
12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

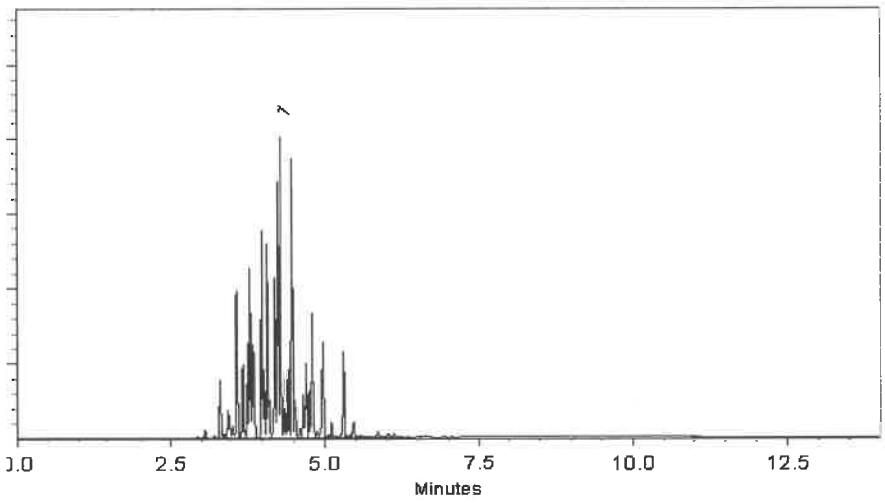
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

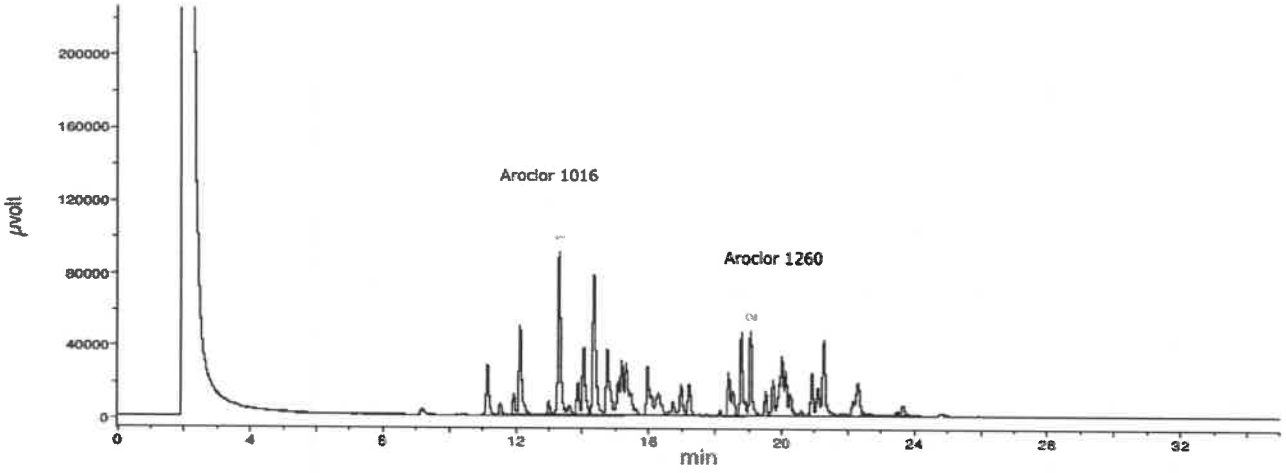
Formulated By: Benson Chan	022023 DATE
Reviewed By: Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20/23

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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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

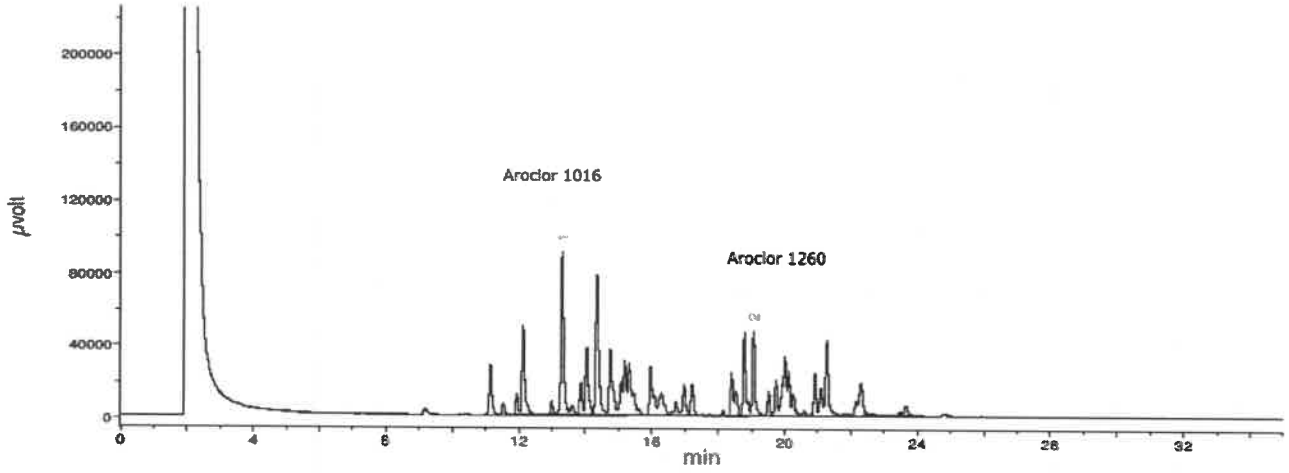
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
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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

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y-P 12/20/23

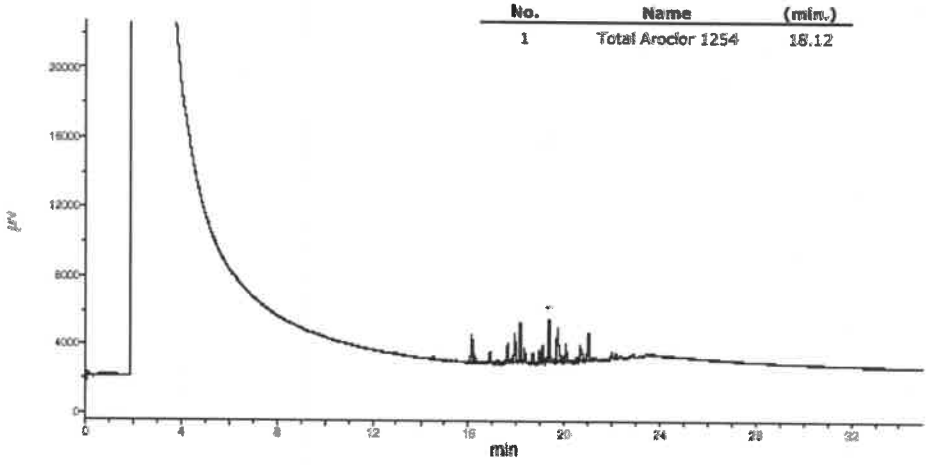
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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



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CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Aroclor 1262

Solvent(s): Hexane **Lot#** 273615

Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

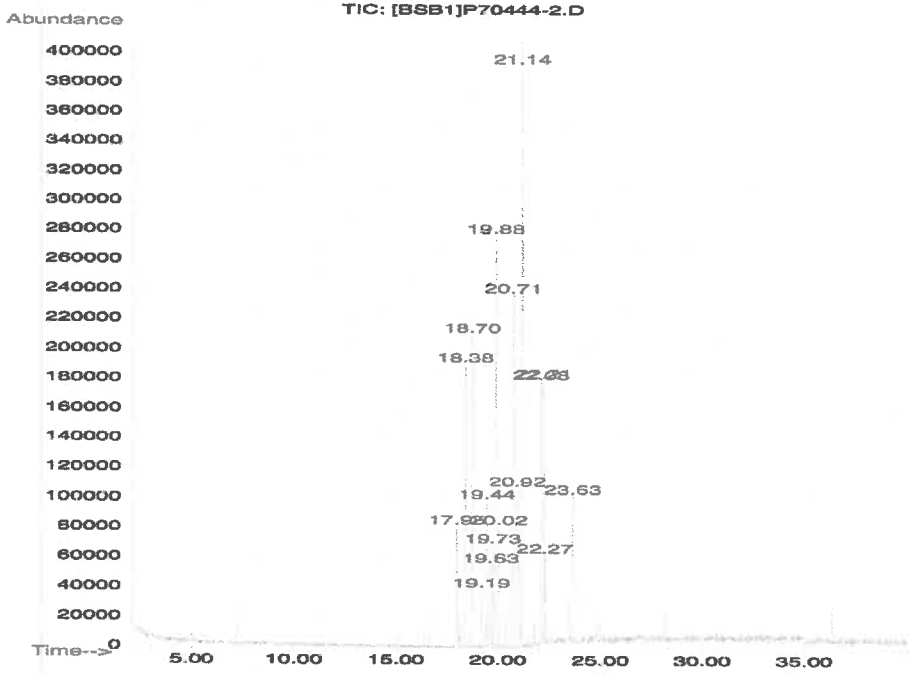
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.005 Flask Uncertainty

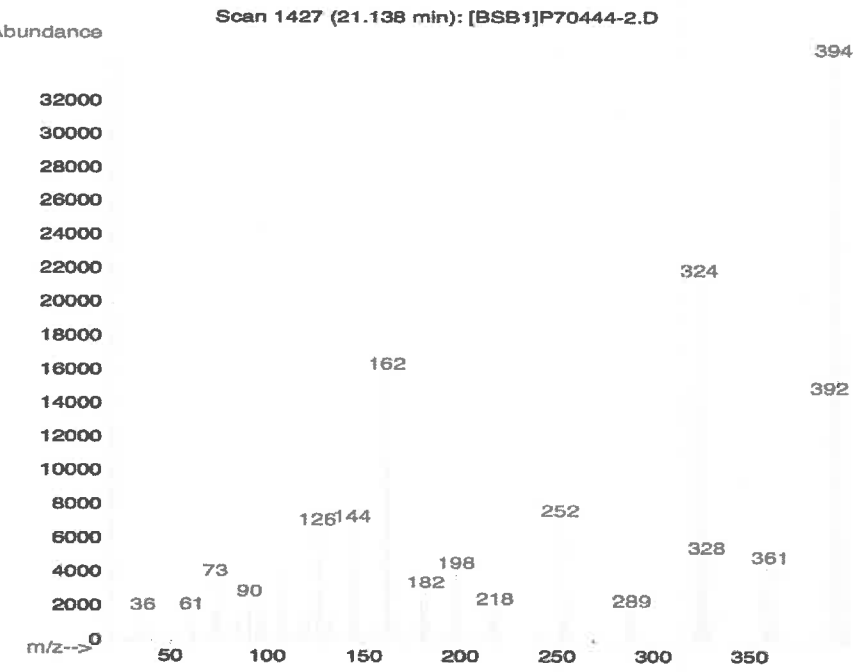
Formulated By: Prashant Chauhan	112322 DATE
Reviewed By: Pedro L. Rentas	112322 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P 12/21/23





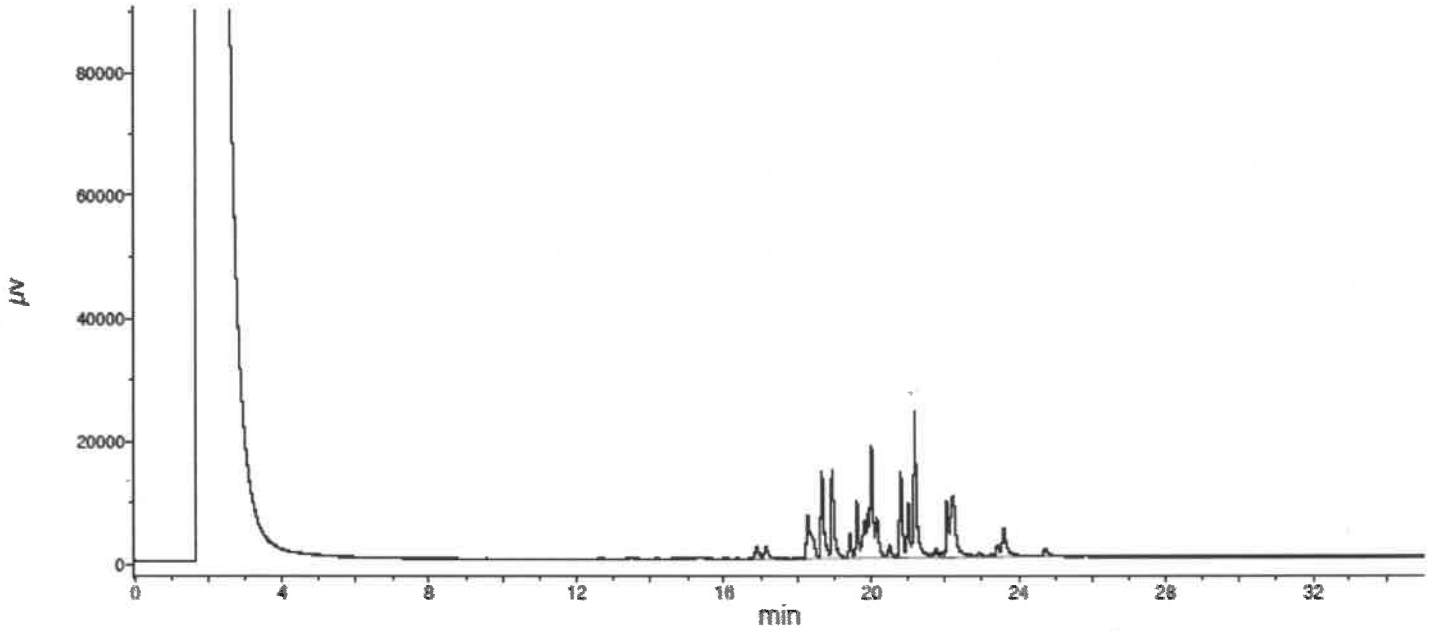
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10)
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P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

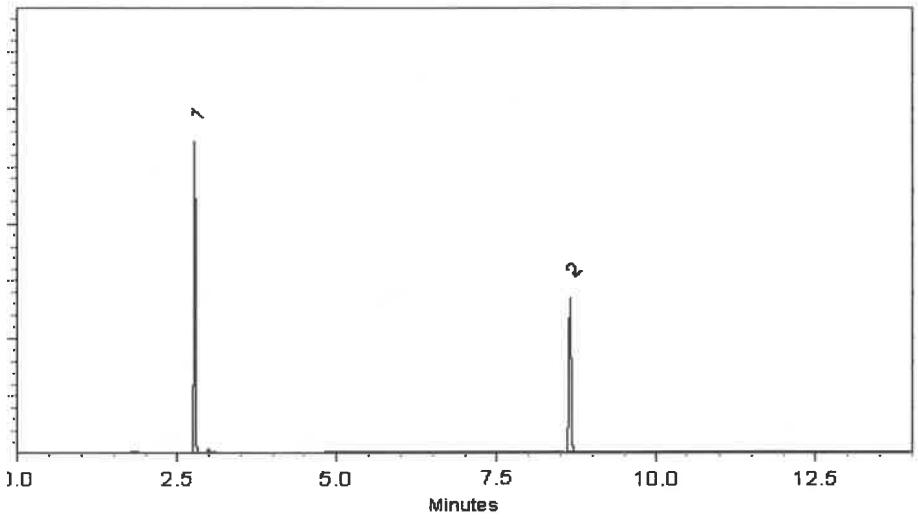
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348 (10)
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P13357
1
04/25/2025

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chromatographic plus

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P13348 (10) → P13357

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Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

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Purity 99%

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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.)

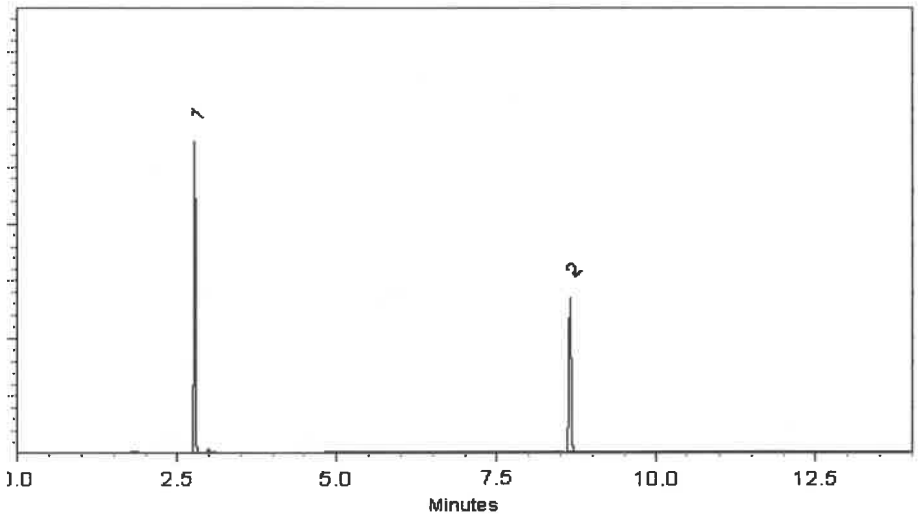
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
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P13357
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04/25/2025

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Mar-2032

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3	±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
↓
P133f3

AJ
05106124

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

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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 ISO 17034 REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

SHIPPING DOCUMENTS

Q1573

USEPA CLP COC (LAB COPY)
DateShipped: 3/13/2025
CarrierName: FedEx
AirbillNo: 7726 7523 9763

CHAIN OF CUSTODY RECORD

DAS #: R36884
Cooler #: 1

No: 3-031225-160920-0002
Lab: Alliance Technical Group, LLC
Lab Contact: Yazmeen Gomez
Lab Phone: (908) 728-3147

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
AWS-SD-08	C0AC4	Sediment/ START	Grab	PCB A (s)(3)	1025 (<6 C) (1)	Beaverdam Branch	03/11/2025 12:55	
AWS-SD-09	C0AC5	Sediment/ START	Grab	PCB A (s)(3)	1026 (<6 C) (1)	Beaverdam Branch	03/11/2025 13:35	
AWS-SD-10	C0AC6	Sediment/ START	Grab	PCB A (s)(3)	1027 (<6 C) (1)	Beaverdam Branch	03/11/2025 13:50	
AWS-RB-02	C0AC7	Water/ START	Grab	PCB A (aq)(3)	1053 (<6 C) (1)	Blank	03/12/2025 15:50	
AWS-SD-04-D	C0AC8	Sediment/ START	Grab	PCB A (s)(3)	1055 (<6 C) (1)	Beaverdam Branch	03/11/2025 12:00	
AWS-SD-01	C0O29	Sediment/ START	Grab	PCB A (s)(3)	1016 (<6 C) (1)	Beaverdam Branch	03/11/2025 08:15	
AWS-SD-02	C0O30	Sediment/ START	Grab	PCB A (s)(3)	1017 (<6 C) (1)	Beaverdam Branch	03/11/2025 09:15	
AWS-SD-03	C0O31	Sediment/ START	Grab	PCB A (s)(3)	1018 (<6 C) (1)	Beaverdam Branch	03/11/2025 09:55	
AWS-SD-04	C0O32	Sediment/ START	Grab	PCB A (s)(3)	1019 (<6 C) (1)	Beaverdam Branch	03/11/2025 10:25	
AWS-SD-05	C0O33	Sediment/ START	Grab	PCB A (s)(3)	1020 (<6 C) (1)	Beaverdam Branch	03/11/2025 10:45	
AWS-SD-06	C0O34	Sediment/ START	Grab	PCB A (s)(3)	1021 (<6 C) (1)	Beaverdam Branch	03/11/2025 11:05	

Sample(s) to be used for Lab QC: AWS-SD-02 Tag 1017	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: PCB A (s)=PCB Aroclors (s), PCB A (aq)=PCB Aroclors (aq)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Tetra Tech	4/8/25, 1100		10:00 3.14.25	IR Gun #1 1.9°
					Custody Seal Intact
					Temp Blank present

Q1573

USEPA CLP COC (LAB COPY)
DateShipped: 3/13/2025
CarrierName: FedEx
AirbillNo: 7726 7523 9763

CHAIN OF CUSTODY RECORD

DAS #: R36884
Cooler #: 1

No: 3-031225-160920-0002
Lab: Alliance Technical Group, LLC
Lab Contact: Yazmeen Gomez
Lab Phone: (908) 728-3147

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
AWS-SD-07	C0O35	Sediment/ START	Grab	PCB A (s)(3)	1022 (<6 C) (1)	Beaverdam Branch	03/11/2025 13:15	
AWS-RB-01	C0O37	Water/ START	Grab	PCB A (aq)(3)	1023 (<6 C) (1)	Blank	03/11/2025 14:15	

Special Instructions:

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Analysis Key: PCB A (s)=PCB Aroclors (s), PCB A (aq)=PCB Aroclors (aq)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] TetraTech	4/13/25 1100	[signature]	10:00 3-14-25	ZR Cun #1 1.9°C Custody Seal Intact Temp Blank present

Laboratory Address and Contact	Tetra Tech Project Lead	Sample Coordinator
Alliance Technical Group, LLC 284 Sheffield St Mountainside, NJ 07092 Yazmeen Gomez (908) 728-3147 Yazmeen.Gomez@alliancetg.com	Brian Kolodne Tetra Tech 661 Andersen Dr Ste. 500 Pittsburgh, PA 15220 (303) 312-8847 Brian.Kolodne@tetratech.com	Ava Heiss (302) 397-1105 ava.heiss@tetratech.com

Site location: Pennsylvania

Please reference **R36884** on all deliverables (L4 reports, EDDs, invoice, login acknowledgement).

Sample Numbers:

These are the alphanumeric ids listed on the Chain of Custody (COC) in the 2nd column (ex. C0AA0). Please use these ids for all sample login acknowledgement forms, reports, and EDDs.

Reporting Limits (RL):

Laboratory will report non-detects at the RLs (adjusted RLs to account for % moisture, dilutions, sample volume if applicable) in the reports and EDD files. Results for non-detects in the EDDs should not be an empty cell, but should be reported as the RL (adjusted as necessary) with a "U" qualifier in the lab qualifier column. Analytical results are to be reported for detections below the reporting limit (RL) down to the method detection limit with a "J" flag.

Deliverables: Email a **Level 2 and 4 report with EDDs in EQuIS* format** to Ava Heiss and Brian Kolodne.
Sampling Dates: March 10, 2025 – March 14, 2025
Turnaround Time: 3 BD TAT for Preliminary Data; 15 BD TAT for Level 2, Level 4 reports, Equis EDDs

Parameter/Matrix	Method	Number of Samples
PCB Aroclors/Soil & Sediment	SW8082A	27 samples (plus 2 MSMSDs)
PCB Aroclors/Aqueous QC Blanks	SW8082A	3 samples

*EDD file in EPA Region 2 format (i.e., EQuis EDD, in excel). For instructions, click link:
*Region 2 format is the same as Region 3 format
(https://www.epa.gov/superfund/region-2-superfund-electronic-data-submission-documents

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