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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q1382	**OrderDate:**	2/18/2025 10:57:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	**OU4-PCS-TC-01-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03	**OU4-PCS-TC-02-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03RE	**OU4-PCS-TC-02-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
Q1382-05	**OU4-PCS-TC-03-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-05RE	**OU4-PCS-TC-03-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
Q1382-07	**OU4-PCS-TC-04-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-07RE	**OU4-PCS-TC-04-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
Q1382-09	**OU4-PCS-TC-05-021725**	**SOIL**			**02/17/25**			**02/18/25**

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LAB CHRONICLE

			PCB	8082A		02/19/25	02/21/25
			Pesticide-TCL	8081B		02/19/25	02/19/25
Q1382-11	**OU4-PCS-TC-06-0217 25**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/19/25
			Pesticide-TCL	8081B		02/19/25	02/19/25
Q1382-11RE	**OU4-PCS-TC-06-0217 25RE**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/20/25
Q1382-13	**OU4-PCS-TC-07-0217 25**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/19/25
			Pesticide-TCL	8081B		02/19/25	02/19/25
Q1382-15	**OU4-PCS-TC-08-0217 25**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/19/25
			Pesticide-TCL	8081B		02/19/25	02/19/25
Q1382-17	**OU4-PCS-TC-09-0217 25**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/19/25
			Pesticide-TCL	8081B		02/19/25	02/19/25
Q1382-19	**OU4-PCS-TC-10-0217 25**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/19/25
			Pesticide-TCL	8081B		02/19/25	02/19/25
Q1382-19RE	**OU4-PCS-TC-10-0217 25RE**	**SOIL**			**02/17/25**		**02/18/25**
			PCB	8082A		02/19/25	02/20/25

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Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382

Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-PCS-TC-01-021725									
Q1382-01	OU4-PCS-TC-01-021	SOIL	Aroclor-1254	10.9	J	3.00	14.1	18.5	ug/kg
			Total Concentration:	**10.900**					
Client ID : OU4-PCS-TC-03-021725									
Q1382-05	OU4-PCS-TC-03-021	SOIL	Aroclor-1254	13.4	J	2.90	14.0	18.3	ug/kg
			Total Concentration:	**13.400**					
Client ID : OU4-PCS-TC-03-021725RE									
Q1382-05RE	OU4-PCS-TC-03-021	SOIL	Aroclor-1254	11.6	J	2.90	14.0	18.3	ug/kg
			Total Concentration:	**11.600**					
Client ID : OU4-PCS-TC-06-021725									
Q1382-11	OU4-PCS-TC-06-021	SOIL	Aroclor-1254	21.5		3.00	14.1	18.4	ug/kg
			Total Concentration:	**21.500**					
Client ID : OU4-PCS-TC-06-021725RE									
Q1382-11RE	OU4-PCS-TC-06-021	SOIL	Aroclor-1254	18.2	J	3.00	14.1	18.4	ug/kg
			Total Concentration:	**18.200**					
Client ID : OU4-PCS-TC-07-021725									
Q1382-13	OU4-PCS-TC-07-021	SOIL	Aroclor-1254	43.2		3.00	14.1	18.4	ug/kg
			Total Concentration:	**43.200**					

QC
SUMMARY

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Surrogate Summary

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP069264.D	PIBLK-PP069264.D	Tetrachloro-m-xylene	1	20	25.7	128		60	140
		Decachlorobiphenyl	1	20	25.4	127		60	140
		Tetrachloro-m-xylene	2	20	26.0	130		60	140
		Decachlorobiphenyl	2	20	25.4	127		60	140
I.BLK-PP069831.D	PIBLK-PP069831.D	Tetrachloro-m-xylene	1	20	23.3	116		60	140
		Decachlorobiphenyl	1	20	22.6	113		60	140
		Tetrachloro-m-xylene	2	20	23.0	115		60	140
		Decachlorobiphenyl	2	20	21.9	109		60	140
PB166770BL	PB166770BL	Tetrachloro-m-xylene	1	20	25.6	128		44	130
		Decachlorobiphenyl	1	20	22.4	112		60	125
		Tetrachloro-m-xylene	2	20	25.7	129		44	130
		Decachlorobiphenyl	2	20	23.8	119		60	125
PB166770BS	PB166770BS	Tetrachloro-m-xylene	1	20	25.5	128		44	130
		Decachlorobiphenyl	1	20	23.5	117		60	125
		Tetrachloro-m-xylene	2	20	24.3	121		44	130
		Decachlorobiphenyl	2	20	24.6	123		60	125
Q1382-01	OU4-PCS-TC-01-021725	Tetrachloro-m-xylene	1	20	25.6	128		44	130
		Decachlorobiphenyl	1	20	18.4	92		60	125
		Tetrachloro-m-xylene	2	20	25.3	127		44	130
		Decachlorobiphenyl	2	20	19.1	96		60	125
I.BLK-PP069846.D	PIBLK-PP069846.D	Tetrachloro-m-xylene	1	20	23.1	116		60	140
		Decachlorobiphenyl	1	20	22.2	111		60	140
		Tetrachloro-m-xylene	2	20	22.9	115		60	140
		Decachlorobiphenyl	2	20	22.9	114		60	140
Q1382-03	OU4-PCS-TC-02-021725	Tetrachloro-m-xylene	1	20	26.8	134	*	44	130
		Decachlorobiphenyl	1	20	23.1	115		60	125
		Tetrachloro-m-xylene	2	20	27.0	135	*	44	130
		Decachlorobiphenyl	2	20	23.2	116		60	125
Q1382-05	OU4-PCS-TC-03-021725	Tetrachloro-m-xylene	1	20	26.6	133	*	44	130
		Decachlorobiphenyl	1	20	22.7	114		60	125
		Tetrachloro-m-xylene	2	20	26.1	131	*	44	130
		Decachlorobiphenyl	2	20	23.4	117		60	125
Q1382-07	OU4-PCS-TC-04-021725	Tetrachloro-m-xylene	1	20	27.7	139	*	44	130
		Decachlorobiphenyl	1	20	23.2	116		60	125
		Tetrachloro-m-xylene	2	20	27.9	139	*	44	130
		Decachlorobiphenyl	2	20	23.4	117		60	125
Q1382-11	OU4-PCS-TC-06-021725	Tetrachloro-m-xylene	1	20	27.1	135	*	44	130
		Decachlorobiphenyl	1	20	23.1	115		60	125
		Tetrachloro-m-xylene	2	20	27.5	138	*	44	130
		Decachlorobiphenyl	2	20	22.1	111		60	125
Q1382-13	OU4-PCS-TC-07-021725	Tetrachloro-m-xylene	1	20	26.8	134	*	44	130

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Surrogate Summary

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1382-13	OU4-PCS-TC-07-021725	Decachlorobiphenyl	1	20	23.4	117		60	125
		Tetrachloro-m-xylene	2	20	24.9	125		44	130
		Decachlorobiphenyl	2	20	23.2	116		60	125
Q1382-15	OU4-PCS-TC-08-021725	Tetrachloro-m-xylene	1	20	25.3	126		44	130
		Decachlorobiphenyl	1	20	19.8	99		60	125
		Tetrachloro-m-xylene	2	20	24.6	123		44	130
		Decachlorobiphenyl	2	20	19.7	98		60	125
Q1382-17	OU4-PCS-TC-09-021725	Tetrachloro-m-xylene	1	20	24.3	121		44	130
		Decachlorobiphenyl	1	20	20.0	100		60	125
		Tetrachloro-m-xylene	2	20	24.4	122		44	130
		Decachlorobiphenyl	2	20	20.4	102		60	125
Q1382-19	OU4-PCS-TC-10-021725	Tetrachloro-m-xylene	1	20	27.1	136	*	44	130
		Decachlorobiphenyl	1	20	23.7	118		60	125
		Tetrachloro-m-xylene	2	20	27.0	135	*	44	130
		Decachlorobiphenyl	2	20	22.1	110		60	125
I.BLK-PP069861.D	PIBLK-PP069861.D	Tetrachloro-m-xylene	1	20	23.1	115		60	140
		Decachlorobiphenyl	1	20	22.2	111		60	140
		Tetrachloro-m-xylene	2	20	22.5	112		60	140
		Decachlorobiphenyl	2	20	22.1	111		60	140
I.BLK-PP069921.D	PIBLK-PP069921.D	Tetrachloro-m-xylene	1	20	23.8	119		60	140
		Decachlorobiphenyl	1	20	23.6	118		60	140
		Tetrachloro-m-xylene	2	20	24.0	120		60	140
		Decachlorobiphenyl	2	20	23.7	119		60	140
Q1382-01MS	OU4-PCS-TC-01-021725MS	Tetrachloro-m-xylene	1	20	23.5	117		44	130
		Decachlorobiphenyl	1	20	19.7	99		60	125
		Tetrachloro-m-xylene	2	20	22.7	114		44	130
		Decachlorobiphenyl	2	20	20.6	103		60	125
Q1382-01MSD	OU4-PCS-TC-01-021725MSD	Tetrachloro-m-xylene	1	20	24.4	122		44	130
		Decachlorobiphenyl	1	20	20.1	101		60	125
		Tetrachloro-m-xylene	2	20	23.4	117		44	130
		Decachlorobiphenyl	2	20	20.1	101		60	125
Q1382-03RE	OU4-PCS-TC-02-021725RE	Tetrachloro-m-xylene	1	20	27.2	136	*	44	130
		Decachlorobiphenyl	1	20	23.6	118		60	125
		Tetrachloro-m-xylene	2	20	26.9	135	*	44	130
		Decachlorobiphenyl	2	20	23.6	118		60	125
Q1382-05RE	OU4-PCS-TC-03-021725RE	Tetrachloro-m-xylene	1	20	27.5	137	*	44	130
		Decachlorobiphenyl	1	20	23.5	117		60	125
		Tetrachloro-m-xylene	2	20	27.4	137	*	44	130
		Decachlorobiphenyl	2	20	22.8	114		60	125
Q1382-07RE	OU4-PCS-TC-04-021725RE	Tetrachloro-m-xylene	1	20	28.4	142	*	44	130
		Decachlorobiphenyl	1	20	24.0	120		60	125

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Surrogate Summary

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1382-07RE	OU4-PCS-TC-04-021725RE	Tetrachloro-m-xylene	2	20	27.8	139	*	44	130
		Decachlorobiphenyl	2	20	23.9	119		60	125
Q1382-11RE	OU4-PCS-TC-06-021725RE	Tetrachloro-m-xylene	1	20	28.8	144	*	44	130
		Decachlorobiphenyl	1	20	23.9	119		60	125
		Tetrachloro-m-xylene	2	20	27.9	140	*	44	130
		Decachlorobiphenyl	2	20	23.8	119		60	125
I.BLK-PP069936.D	PIBLK-PP069936.D	Tetrachloro-m-xylene	1	20	24.4	122		60	140
		Decachlorobiphenyl	1	20	24.0	120		60	140
		Tetrachloro-m-xylene	2	20	24.2	121		60	140
		Decachlorobiphenyl	2	20	23.2	116		60	140
Q1382-19RE	OU4-PCS-TC-10-021725RE	Tetrachloro-m-xylene	1	20	27.9	140	*	44	130
		Decachlorobiphenyl	1	20	24.8	124		60	125
		Tetrachloro-m-xylene	2	20	27.0	135	*	44	130
		Decachlorobiphenyl	2	20	24.3	122		60	125
Q1382-09	OU4-PCS-TC-05-021725	Tetrachloro-m-xylene	1	20	25.8	129		44	130
		Decachlorobiphenyl	1	20	23.4	117		60	125
		Tetrachloro-m-xylene	2	20	25.3	126		44	130
		Decachlorobiphenyl	2	20	22.7	114		60	125
I.BLK-PP069951.D	PIBLK-PP069951.D	Tetrachloro-m-xylene	1	20	25.6	128		60	140
		Decachlorobiphenyl	1	20	24.6	123		60	140
		Tetrachloro-m-xylene	2	20	25.5	127		60	140
		Decachlorobiphenyl	2	20	23.8	119		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8082A **DataFile :** PP069926.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:	**OU4-PCS-TC-01-021725MS**											
Q1382-01MS	AR1016	181.2	0	164	ug/kg	91				47	134	
	AR1260	181.2	0	149	ug/kg	82				53	140	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8082A **DataFile :** PP069927.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:	**OU4-PCS-TC-01-021725MSD**											
Q1382-01MSD	AR1016	181	0	174	ug/kg	96		5		47	134	20
	AR1260	181	0	149	ug/kg	82		0		53	140	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8082A **Datafile :** PP069838.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166770BS	AR1016	166.6	153	ug/kg	92				47	134	
	AR1260	166.6	159	ug/kg	95				53	140	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166770BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: PB166770BL Lab File ID: PP069837.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 02/19/2025

Date Analyzed (1): 02/19/2025 Date Analyzed (2): 02/19/2025

Time Analyzed (1): 13:00 Time Analyzed (2): 13:00

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
PB166770BS	PB166770BS	PP069838.D	02/19/2025	02/19/2025
OU4-PCS-TC-01-021725	Q1382-01	PP069839.D	02/19/2025	02/19/2025
OU4-PCS-TC-02-021725	Q1382-03	PP069847.D	02/19/2025	02/19/2025
OU4-PCS-TC-03-021725	Q1382-05	PP069848.D	02/19/2025	02/19/2025
OU4-PCS-TC-04-021725	Q1382-07	PP069849.D	02/19/2025	02/19/2025
OU4-PCS-TC-06-021725	Q1382-11	PP069851.D	02/19/2025	02/19/2025
OU4-PCS-TC-07-021725	Q1382-13	PP069852.D	02/19/2025	02/19/2025
OU4-PCS-TC-08-021725	Q1382-15	PP069853.D	02/19/2025	02/19/2025
OU4-PCS-TC-09-021725	Q1382-17	PP069854.D	02/19/2025	02/19/2025
OU4-PCS-TC-10-021725	Q1382-19	PP069855.D	02/19/2025	02/19/2025
OU4-PCS-TC-01-021725MS	Q1382-01MS	PP069926.D	02/20/2025	02/20/2025
OU4-PCS-TC-01-021725MSD	Q1382-01MSD	PP069927.D	02/20/2025	02/20/2025
OU4-PCS-TC-05-021725	Q1382-09	PP069945.D	02/21/2025	02/21/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PP069839.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.9 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069839.D	1	02/19/25 08:10	02/19/25 13:32	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	10.9	J	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.6		44 - 130		128%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 125		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

Sample Results: **PP069839.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 13:32
Operator : YP\AJ
Sample : Q1382-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 14:31:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	36723970	22601820	25.655	25.323m
2)	SA Decachlor...	10.248	8.887	20152573	21374361	18.440	19.110
	Target Compounds						
26)	L6 AR-1254-1	6.523	5.725	1627800	2066620	28.132m	37.537m#
27)	L6 AR-1254-2	6.742	5.875	3220583	1770702	40.136	36.608m
28)	L6 AR-1254-3	7.104	6.280	1821323	2235354	21.608	29.453m#
29)	L6 AR-1254-4	7.387	6.507	1884625	1492937	27.639	29.131m
30)	L6 AR-1254-5	7.803	6.926	822367	1203798	12.085	18.086 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 13:32
Operator : YP\AJ
Sample : Q1382-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

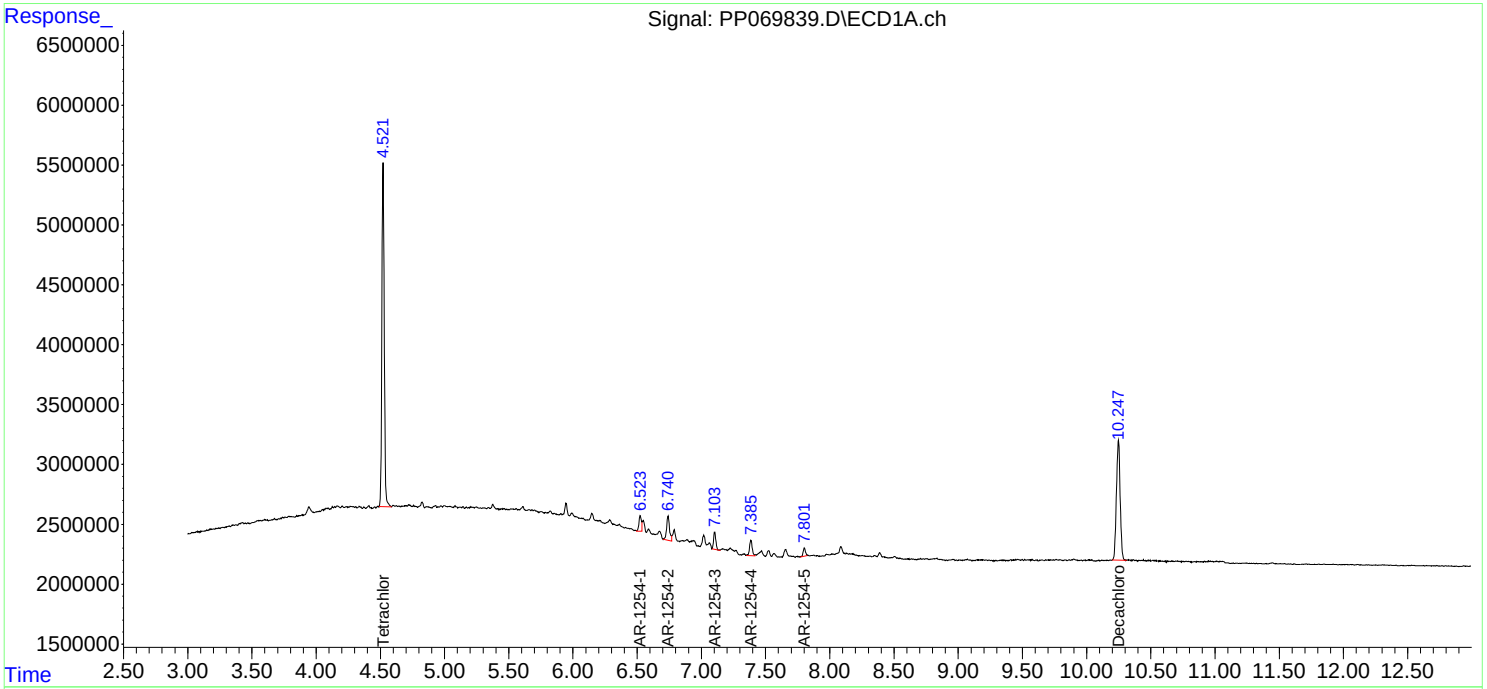
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725

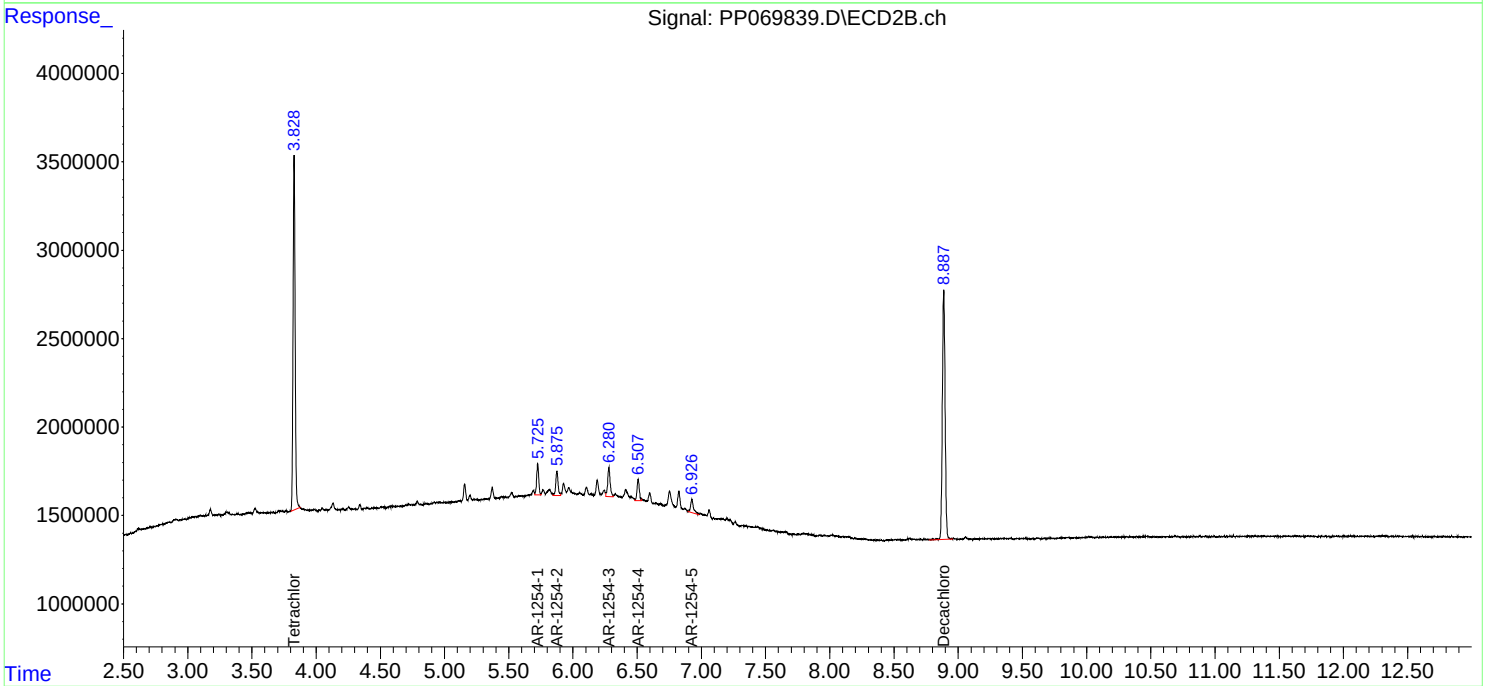
Manual Integrations APPROVED

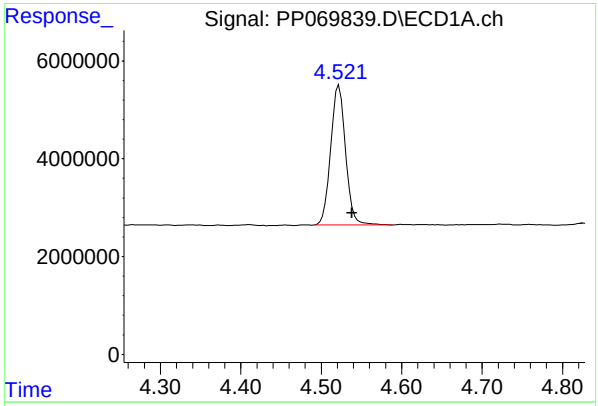
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 14:31:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







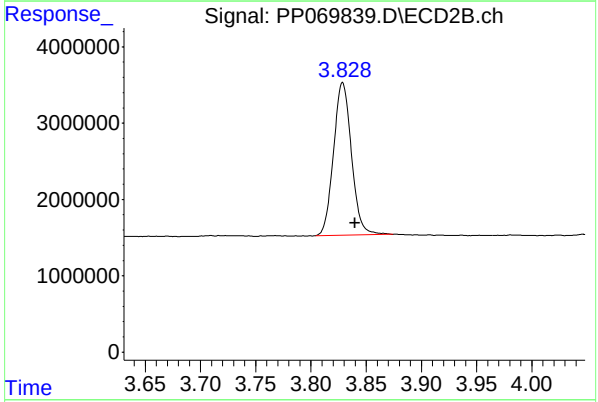
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.016 min
Response: 36723970
Conc: 25.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725

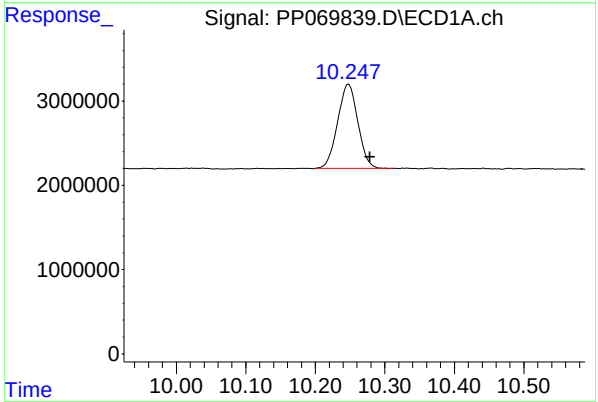
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



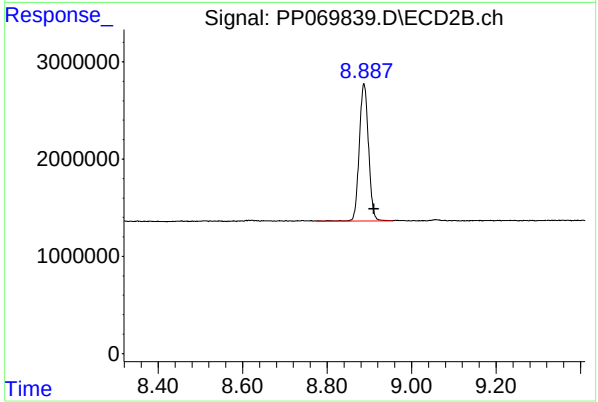
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.012 min
Response: 22601820
Conc: 25.32 ng/ml m



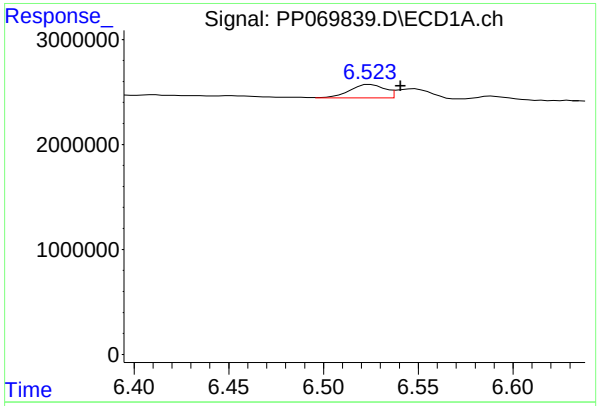
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: -0.030 min
Response: 20152573
Conc: 18.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 21374361
Conc: 19.11 ng/ml



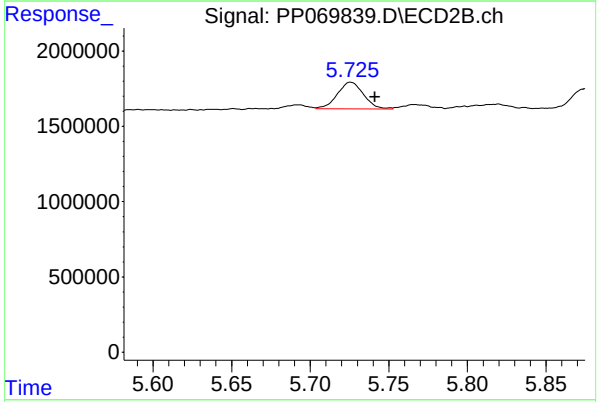
#26 AR-1254-1

R.T.: 6.523 min
Delta R.T.: -0.018 mi
Response: 1627800
Conc: 28.13 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725

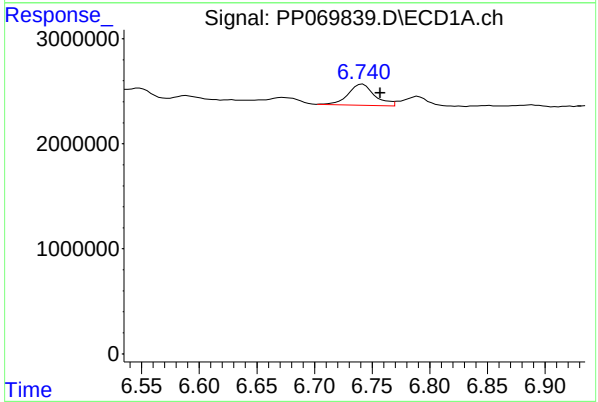
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



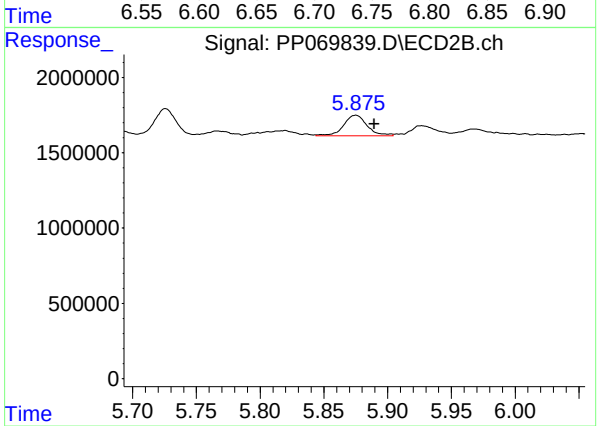
#26 AR-1254-1

R.T.: 5.725 min
Delta R.T.: -0.016 min
Response: 2066620
Conc: 37.54 ng/ml m



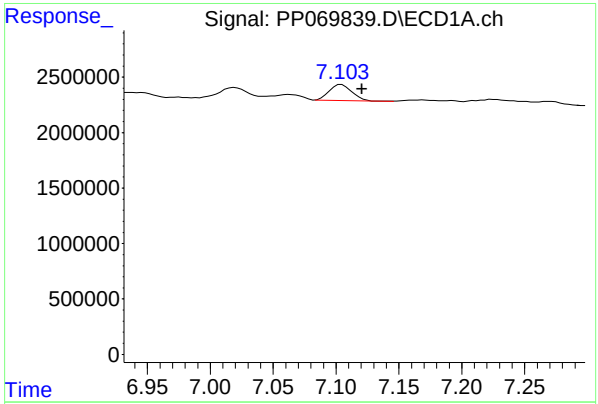
#27 AR-1254-2

R.T.: 6.742 min
Delta R.T.: -0.016 min
Response: 3220583
Conc: 40.14 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: -0.015 min
Response: 1770702
Conc: 36.61 ng/ml m



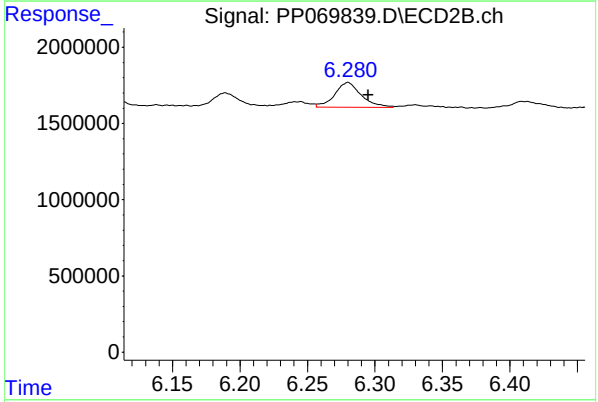
#28 AR-1254-3

R.T.: 7.104 min
Delta R.T.: -0.016 mi
Response: 1821323
Conc: 21.61 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725

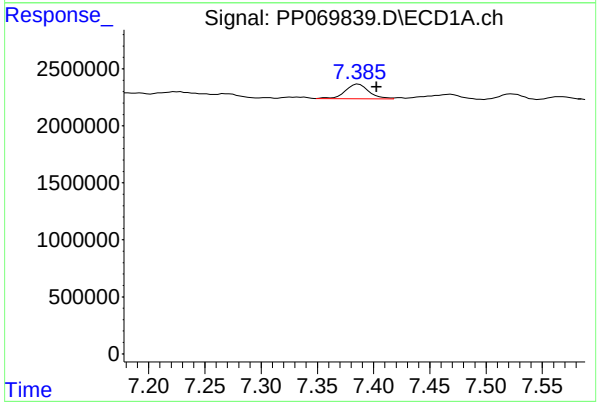
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



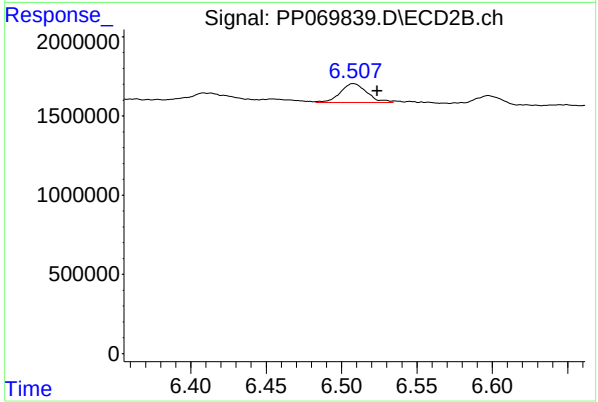
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: -0.015 min
Response: 2235354
Conc: 29.45 ng/ml m



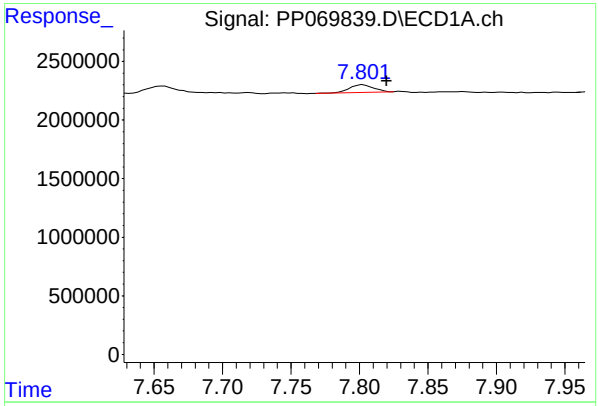
#29 AR-1254-4

R.T.: 7.387 min
Delta R.T.: -0.016 min
Response: 1884625
Conc: 27.64 ng/ml



#29 AR-1254-4

R.T.: 6.507 min
Delta R.T.: -0.016 min
Response: 1492937
Conc: 29.13 ng/ml m



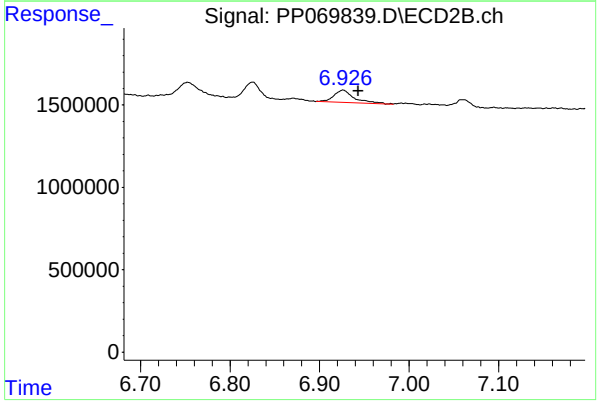
#30 AR-1254-5

R.T.: 7.803 min
Delta R.T.: -0.017 min
Response: 822367
Conc: 12.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.926 min
Delta R.T.: -0.017 min
Response: 1203798
Conc: 18.09 ng/ml

Raw Data: **PP069847.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.7 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069847.D	1	02/19/25 08:10	02/19/25 16:47	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	14.1	U	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.0	*	44 - 130		135%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		60 - 125		116%	SPK: 20

Comments:

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

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

Sample Results: **PP069847.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:47
Operator : YP\AJ
Sample : Q1382-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-02-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	38335921	24081683	26.781	26.981m
2)	SA Decachlor...	10.254	8.888	25225932	25991755	23.082	23.238
	Target Compounds						

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

Sample Results: **PP069847.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:47
Operator : YP\AJ
Sample : Q1382-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

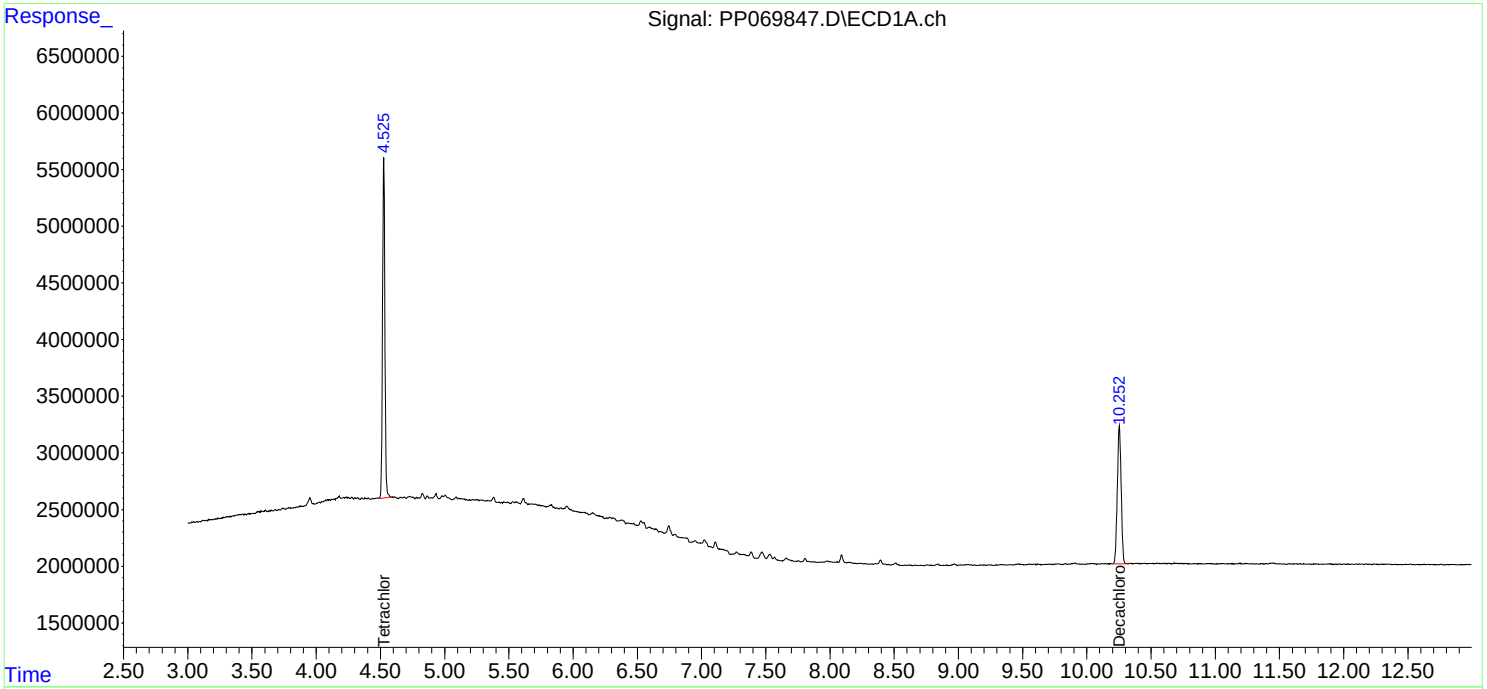
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-02-021725

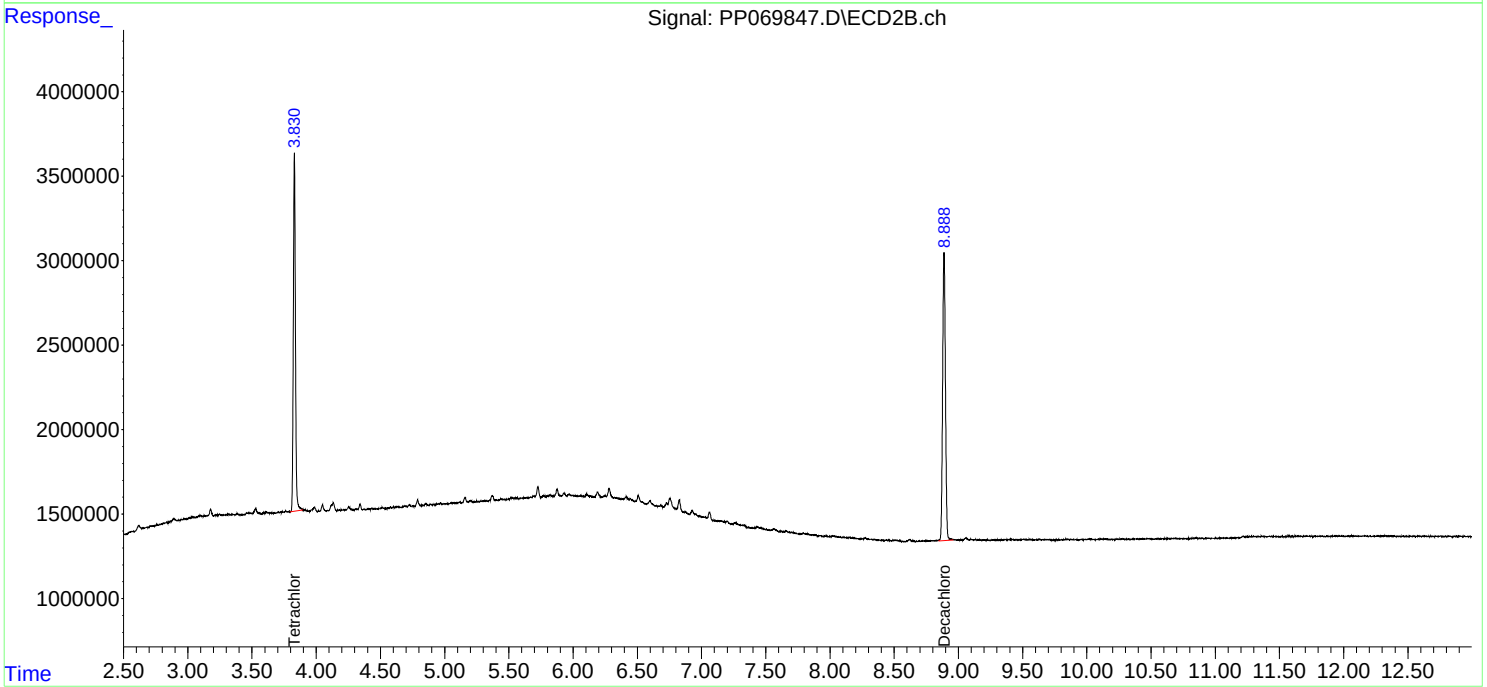
Manual Integrations APPROVED

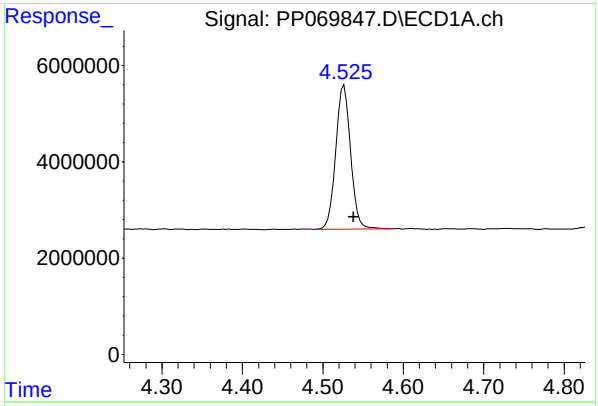
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







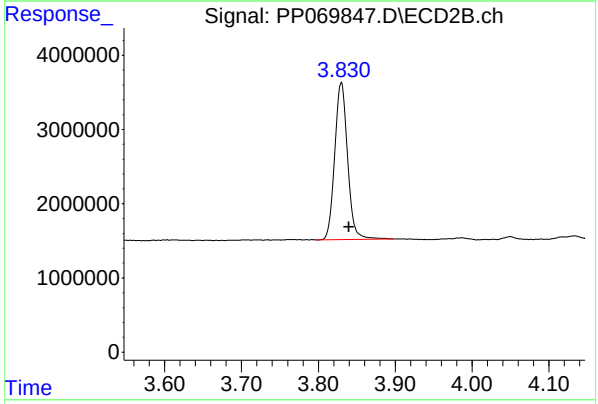
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: -0.011 min
Response: 38335921
Conc: 26.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-02-021725

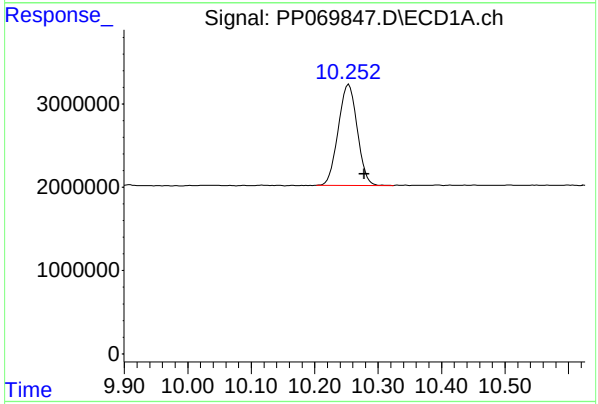
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



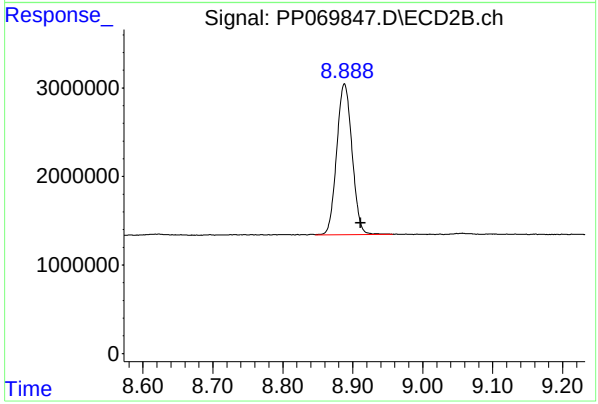
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 24081683
Conc: 26.98 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.025 min
Response: 25225932
Conc: 23.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 25991755
Conc: 23.24 ng/ml

Raw Data: **PP069928.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-03RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.7 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069928.D	1	02/19/25 08:10	02/20/25 20:02	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	14.1	U	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.2	*	44 - 130		136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 125		118%	SPK: 20

Comments:

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

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

Sample Results: **PP069928.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:02
Operator : YP\AJ
Sample : Q1382-03RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-02-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:53:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	38938334	24018349	27.201	26.910m
2)	SA Decachlor...	10.256	8.888	25791515	26360073	23.599	23.568
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:02
Operator : YP\AJ
Sample : Q1382-03RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

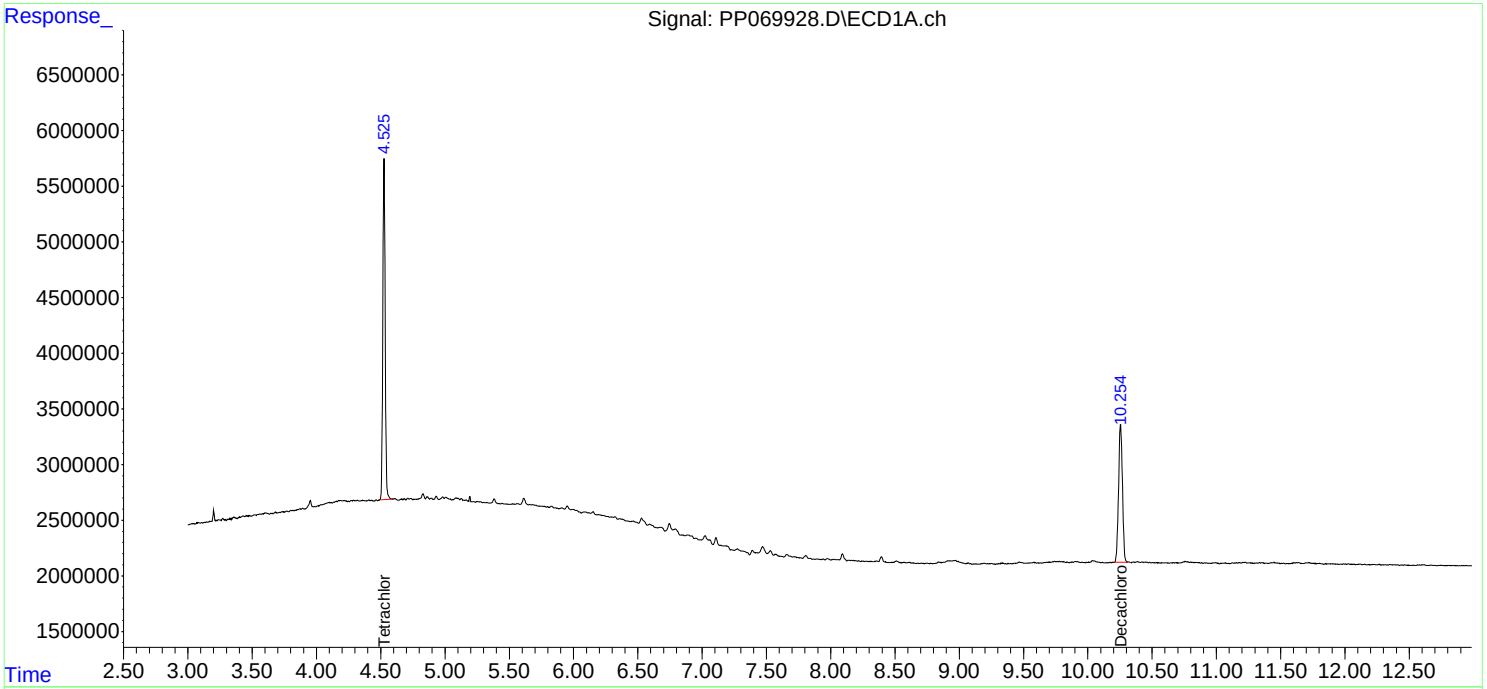
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-02-021725RE

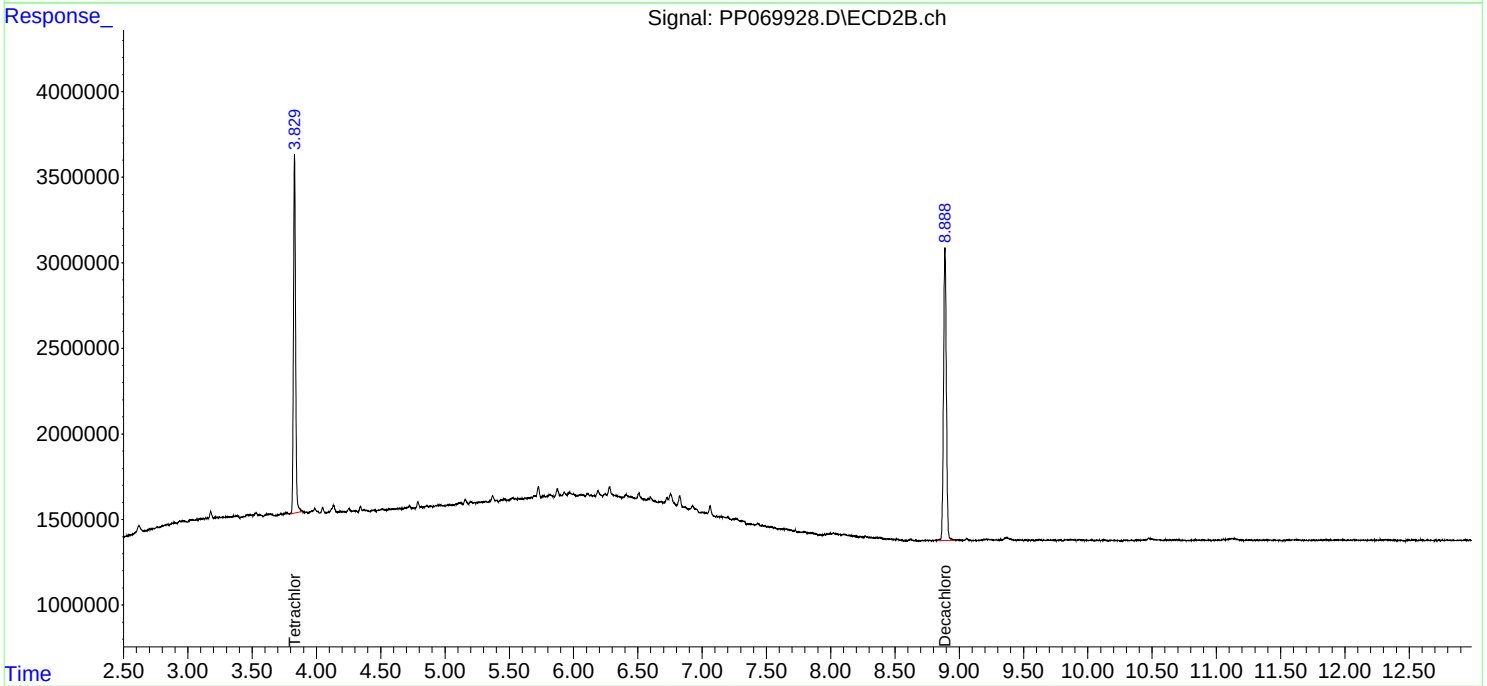
Manual Integrations APPROVED

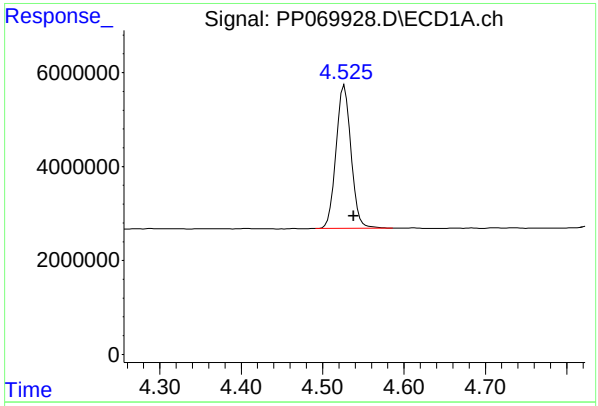
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:53:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







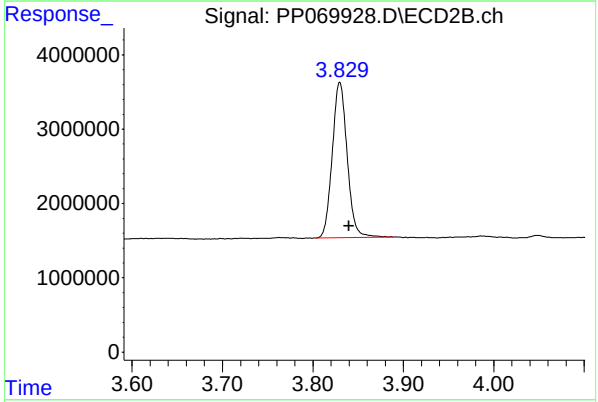
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: -0.011 min
Response: 38938334
Conc: 27.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-02-021725RE

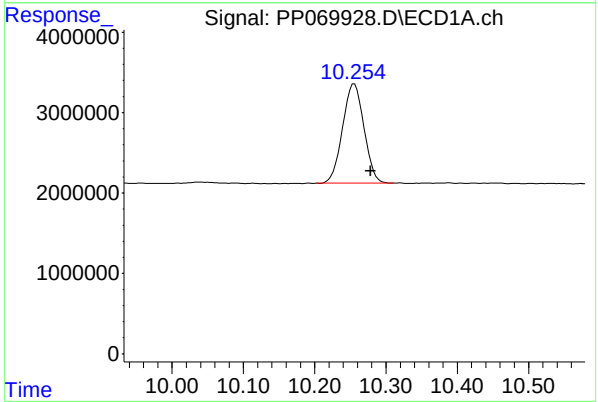
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



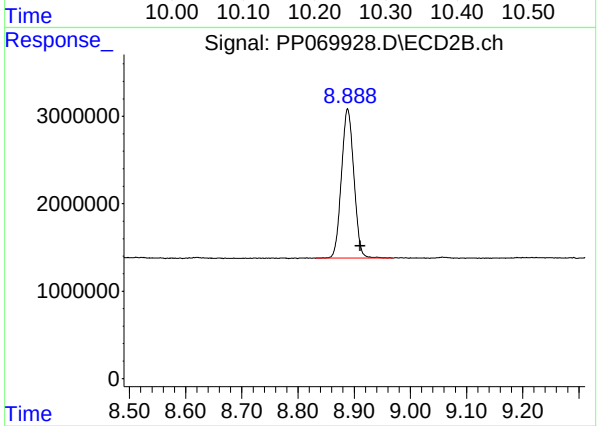
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24018349
Conc: 26.91 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.023 min
Response: 25791515
Conc: 23.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 26360073
Conc: 23.57 ng/ml

Raw Data: **PP069848.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069848.D	1	02/19/25 08:10	02/19/25 17:03	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	13.4	J	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	26.6	*	44 - 130		133%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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

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

Sample Results: **PP069848.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:03
Operator : YP\AJ
Sample : Q1382-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	38008611	23330563	26.552	26.140m
2)	SA Decachlor...	10.250	8.889	24829570	26172014	22.719	23.400
	Target Compounds						
26)	L6 AR-1254-1	6.524	5.727	1977949	2388778	34.183m	43.388m#
27)	L6 AR-1254-2	6.743	5.876	3633450	2203019	45.281	45.546m
28)	L6 AR-1254-3	7.105	6.281	2354938	2671818	27.939	35.204m#
29)	L6 AR-1254-4	7.388	6.510	2223606	2037297	32.610	39.752
30)	L6 AR-1254-5	7.804	6.929	1233503	1462872	18.127m	21.978

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

Sample Results: **PP069848.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:03
Operator : YP\AJ
Sample : Q1382-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

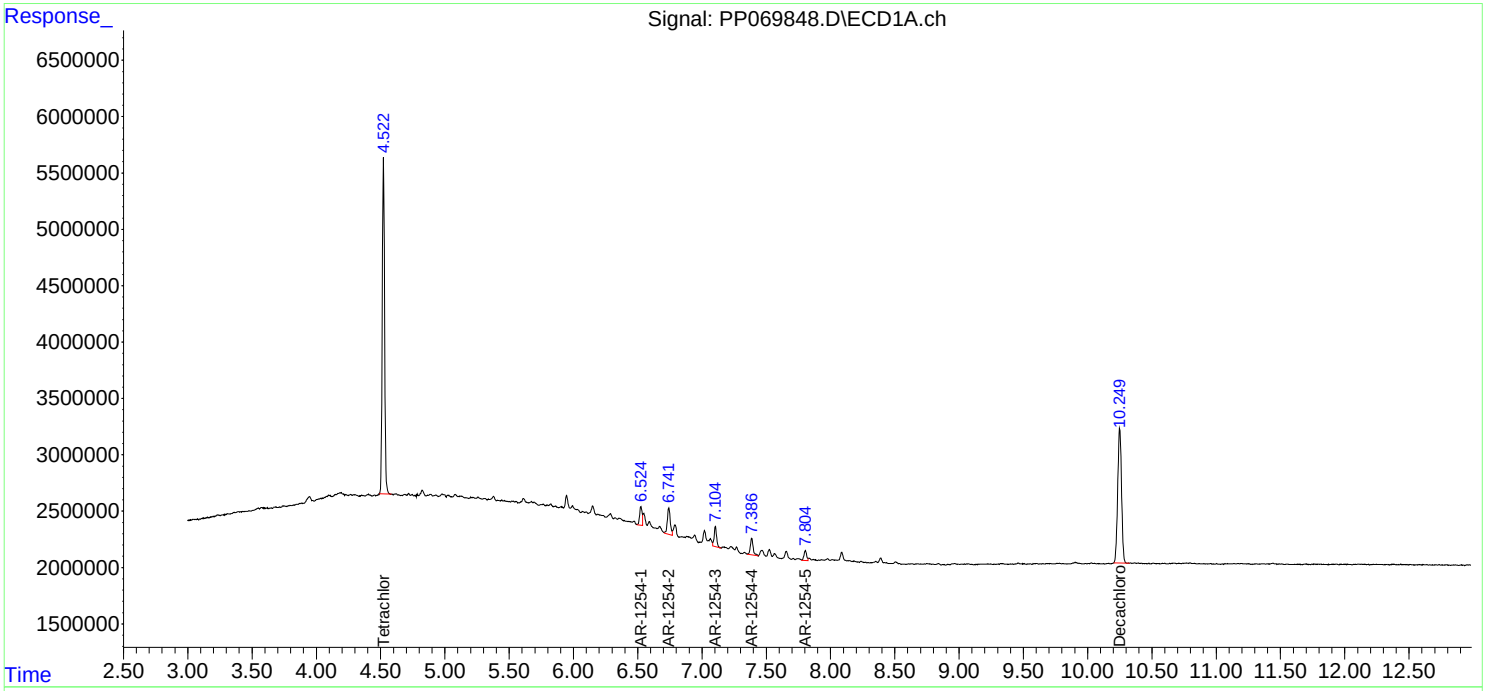
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725

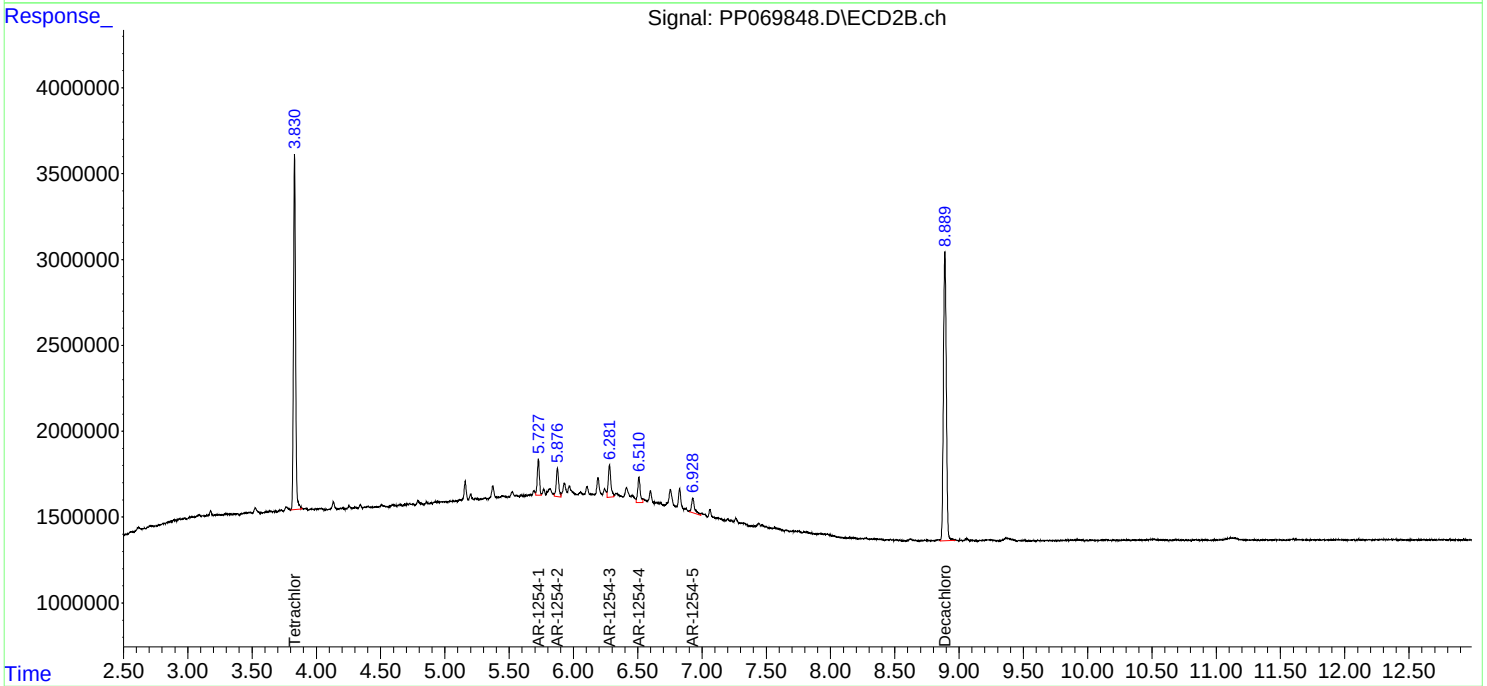
Manual Integrations APPROVED

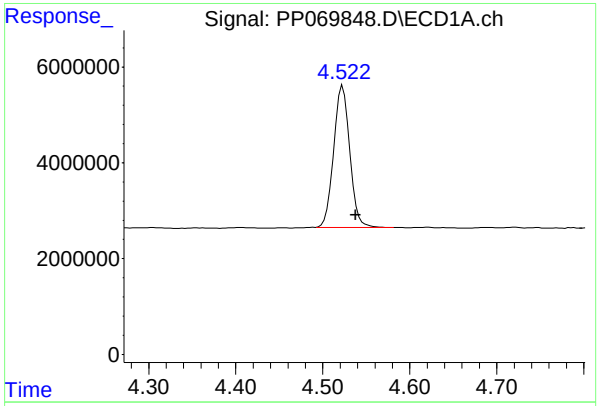
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







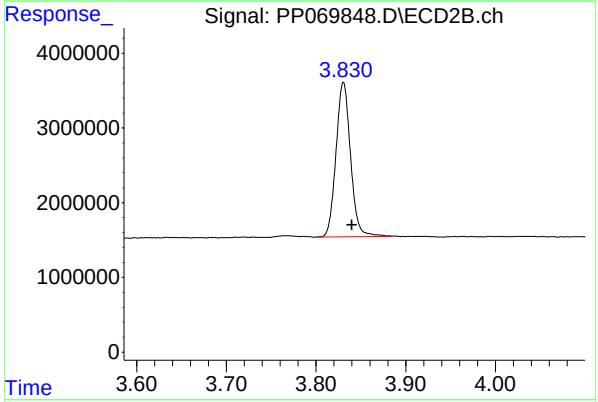
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 38008611
Conc: 26.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725

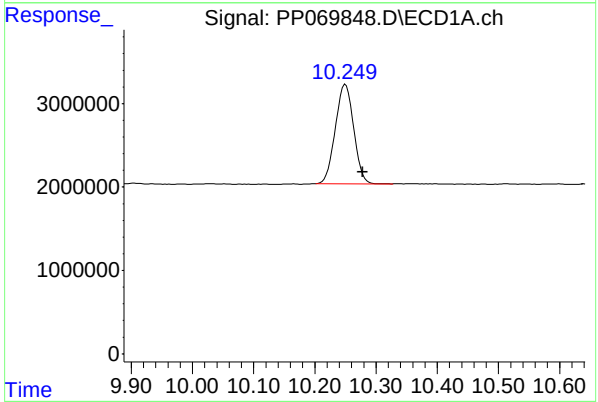
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



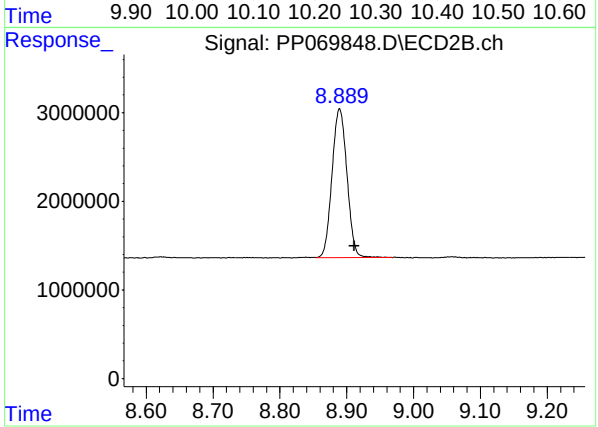
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 23330563
Conc: 26.14 ng/ml m



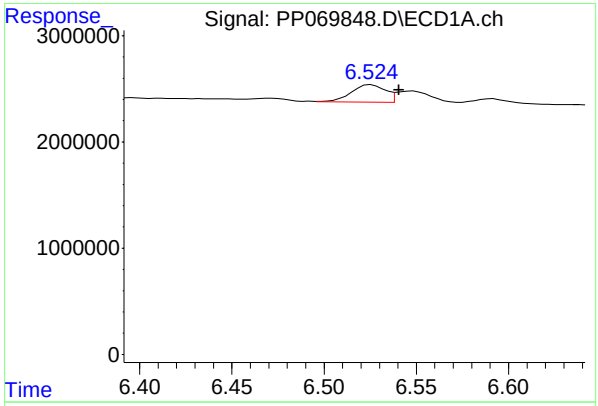
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.029 min
Response: 24829570
Conc: 22.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 26172014
Conc: 23.40 ng/ml



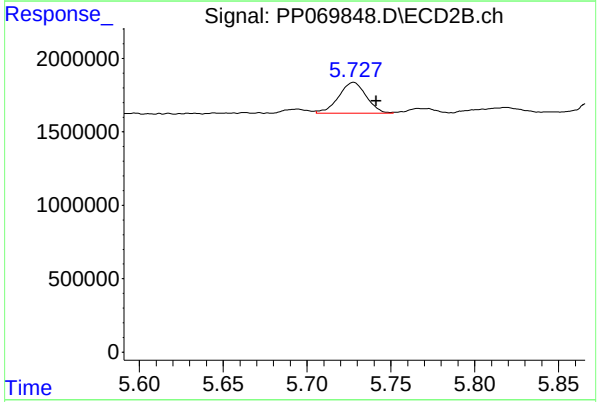
#26 AR-1254-1

R.T.: 6.524 min
Delta R.T.: -0.017 min
Response: 1977949
Conc: 34.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725

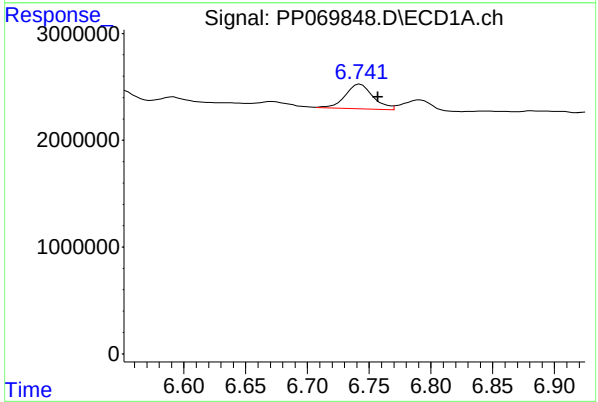
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



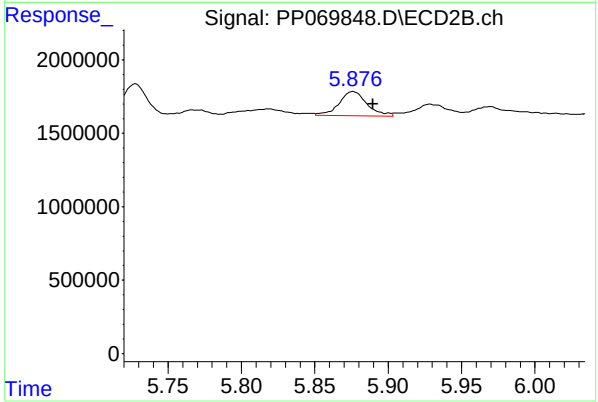
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: -0.014 min
Response: 2388778
Conc: 43.39 ng/ml m



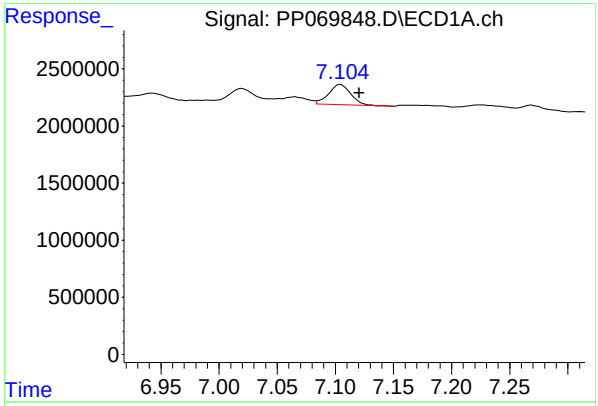
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.014 min
Response: 3633450
Conc: 45.28 ng/ml



#27 AR-1254-2

R.T.: 5.876 min
Delta R.T.: -0.014 min
Response: 2203019
Conc: 45.55 ng/ml m



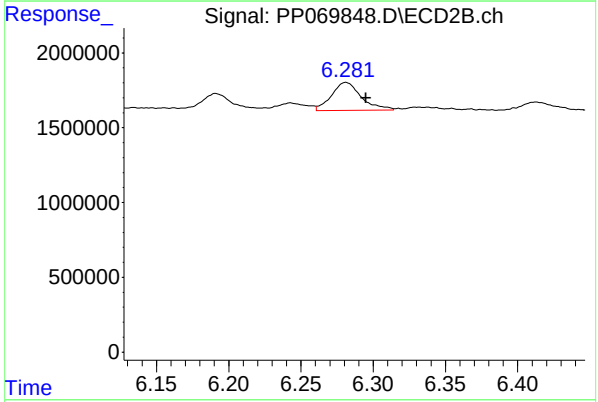
#28 AR-1254-3

R.T.: 7.105 min
Delta R.T.: -0.015 min
Response: 2354938
Conc: 27.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725

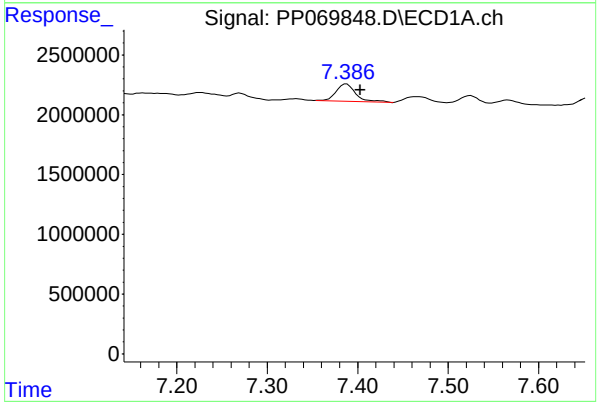
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



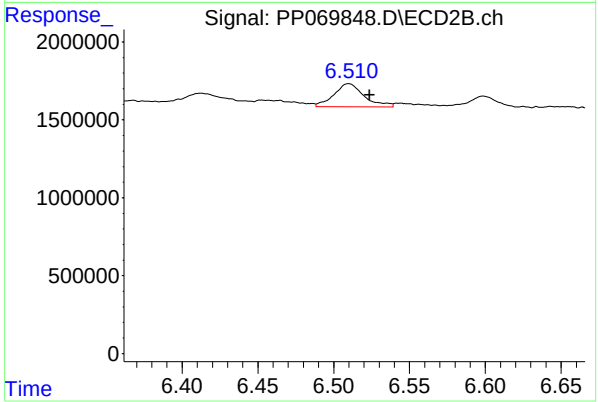
#28 AR-1254-3

R.T.: 6.281 min
Delta R.T.: -0.014 min
Response: 2671818
Conc: 35.20 ng/ml m



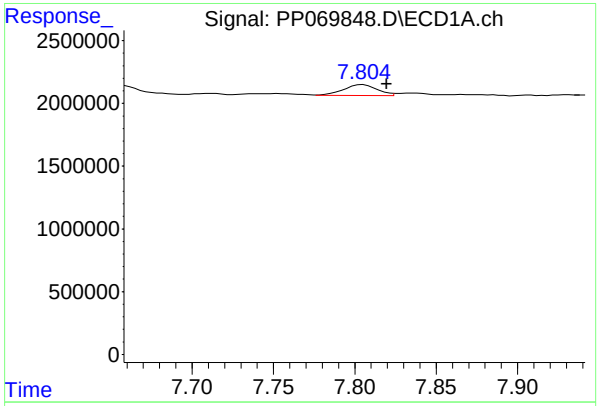
#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.015 min
Response: 2223606
Conc: 32.61 ng/ml



#29 AR-1254-4

R.T.: 6.510 min
Delta R.T.: -0.014 min
Response: 2037297
Conc: 39.75 ng/ml



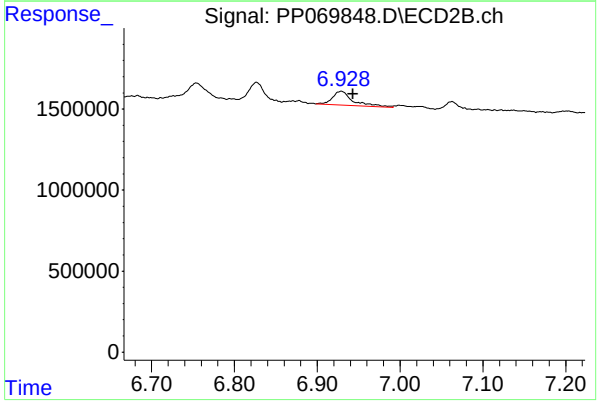
#30 AR-1254-5

R.T.: 7.804 min
Delta R.T.: -0.016 min
Response: 1233503
Conc: 18.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.929 min
Delta R.T.: -0.014 min
Response: 1462872
Conc: 21.98 ng/ml

Raw Data: **PP069929.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-05RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069929.D	1	02/19/25 08:10	02/20/25 20:18	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	11.6	J	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.5	*	44 - 130		137%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		60 - 125		117%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP069929.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:18
Operator : YP\AJ
Sample : Q1382-05RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:54:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	39326934	24432793	27.473	27.374m
2)	SA Decachlor...	10.256	8.889	25673763	25547943	23.491	22.842
	Target Compounds						
26)	L6 AR-1254-1	6.531	5.726	1382691	2191150	23.896m	39.799m#
27)	L6 AR-1254-2	6.744	5.873	3464574	1817642	43.177m	37.579m
28)	L6 AR-1254-3	7.105	6.278	3569447	2415840	42.348m	31.831m
29)	L6 AR-1254-4	7.389	6.509	2453192	1455910	35.977m	28.408m
30)	L6 AR-1254-5	7.807	6.927	1042528	1192795	15.321m	17.920

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

Sample Results: **PP069929.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:18
Operator : YP\AJ
Sample : Q1382-05RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

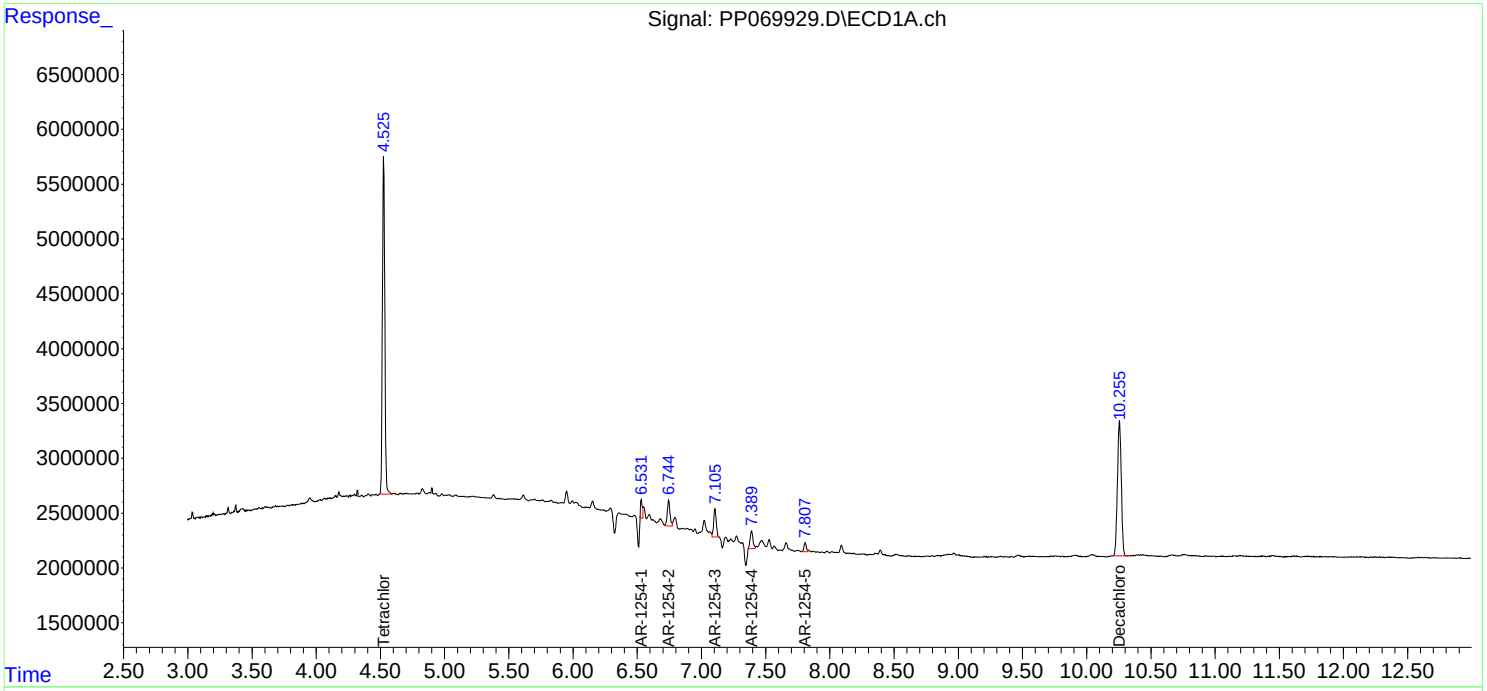
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725RE

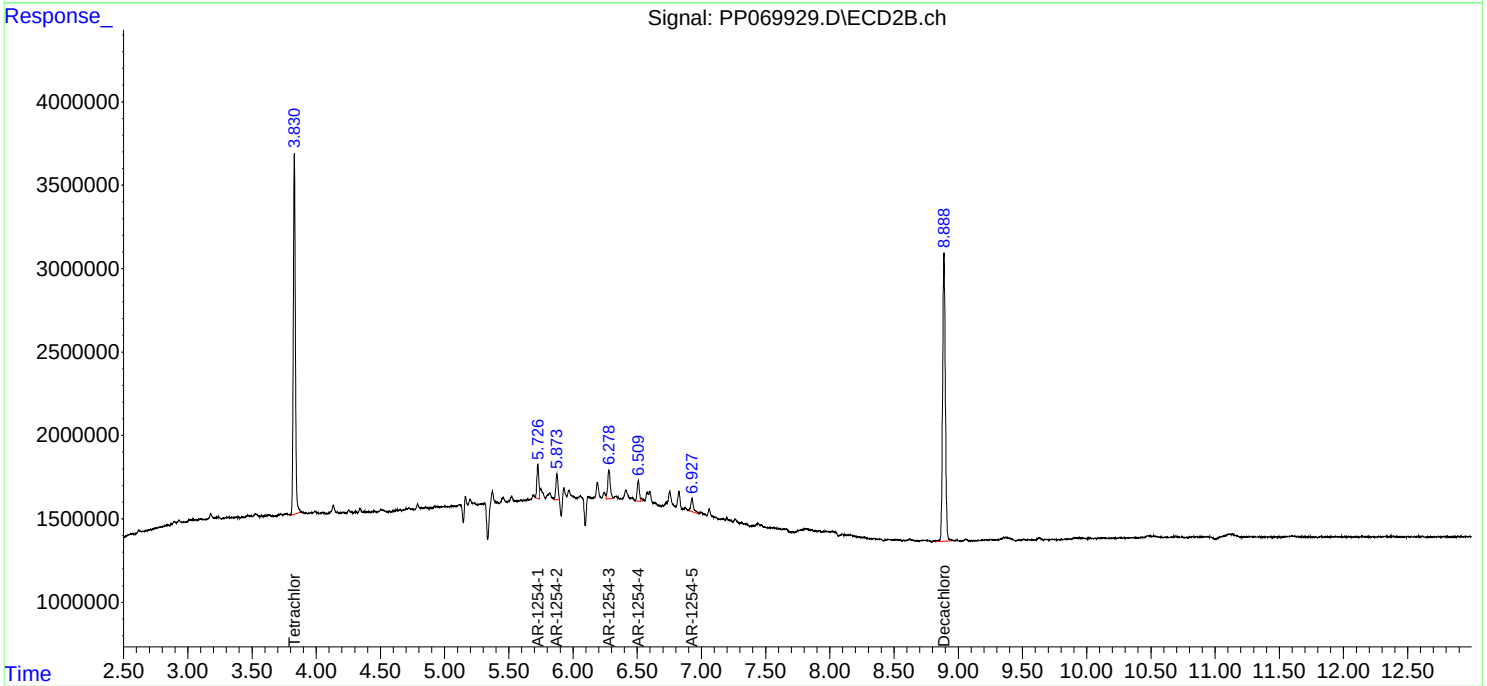
Manual Integrations APPROVED

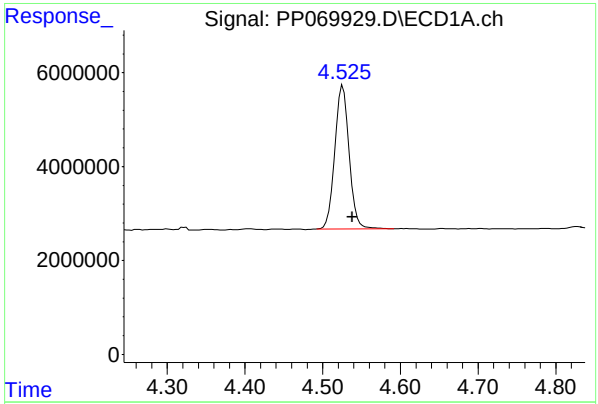
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:54:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







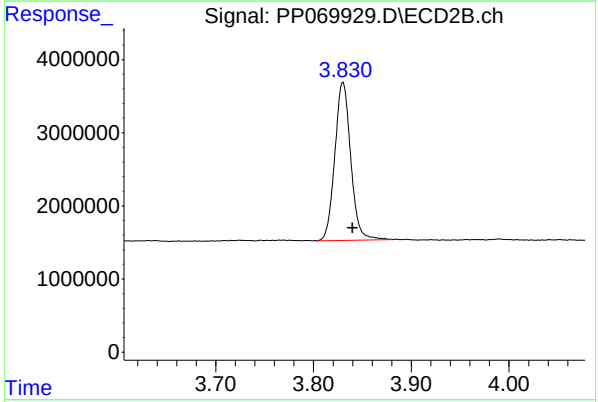
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 39326934
Conc: 27.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725RE

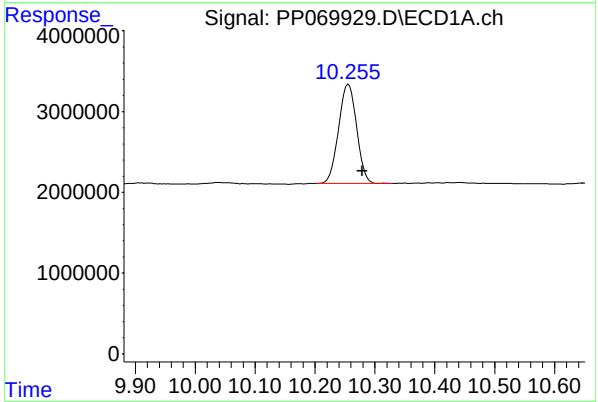
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



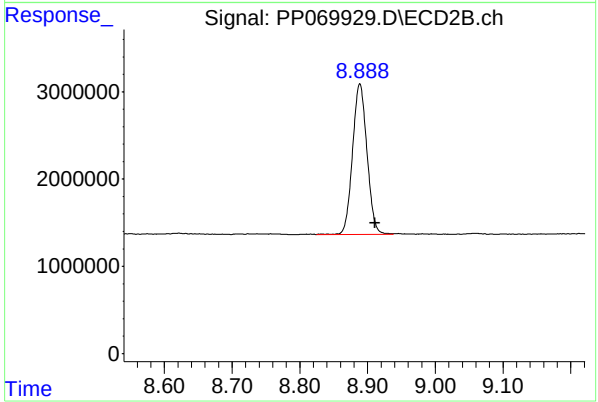
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 24432793
Conc: 27.37 ng/ml m



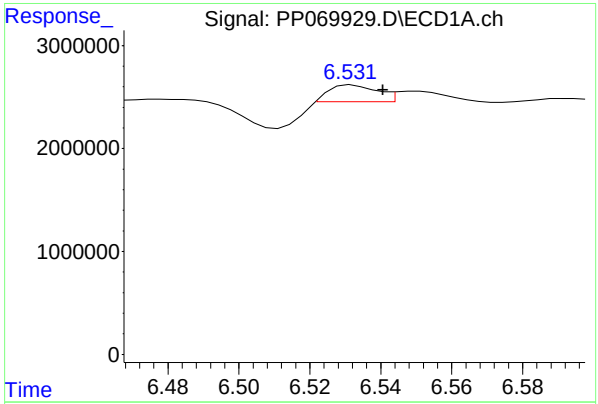
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.022 min
Response: 25673763
Conc: 23.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.023 min
Response: 25547943
Conc: 22.84 ng/ml



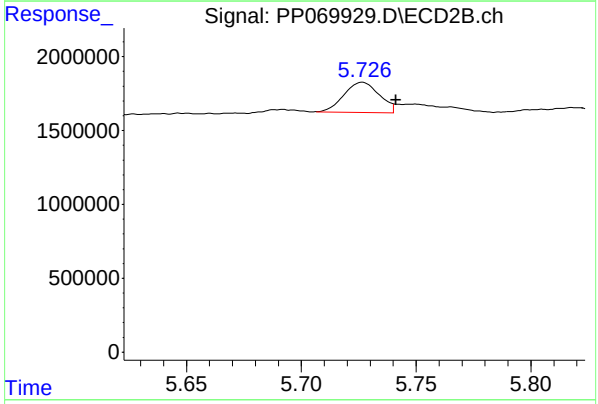
#26 AR-1254-1

R.T.: 6.531 min
Delta R.T.: -0.010 mi
Response: 1382691
Conc: 23.90 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725RE

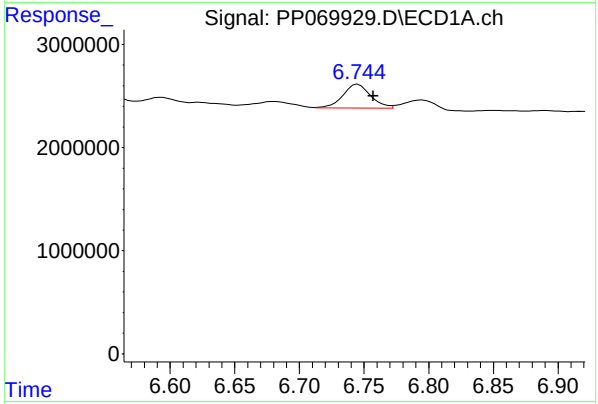
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



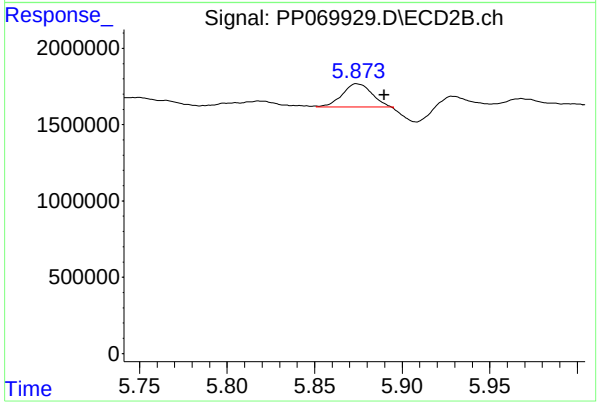
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.015 min
Response: 2191150
Conc: 39.80 ng/ml m



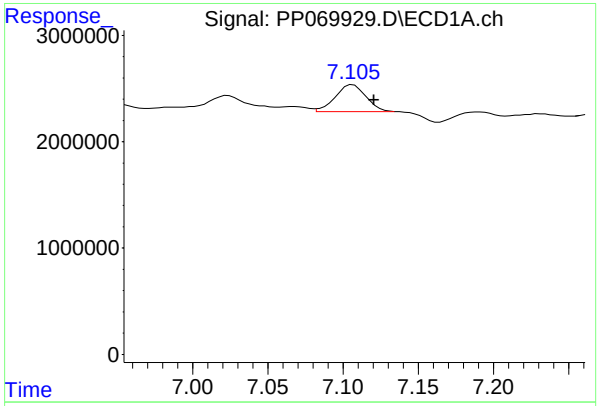
#27 AR-1254-2

R.T.: 6.744 min
Delta R.T.: -0.013 min
Response: 3464574
Conc: 43.18 ng/ml m



#27 AR-1254-2

R.T.: 5.873 min
Delta R.T.: -0.016 min
Response: 1817642
Conc: 37.58 ng/ml m



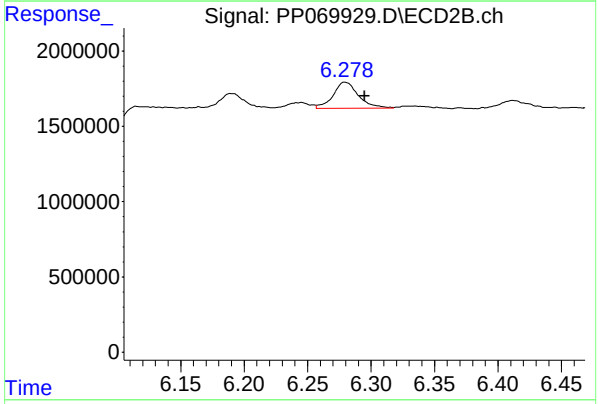
#28 AR-1254-3

R.T.: 7.105 min
Delta R.T.: -0.015 mi
Response: 3569447
Conc: 42.35 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725RE

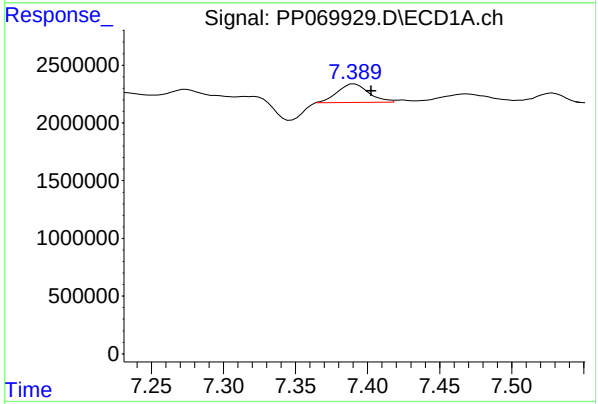
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



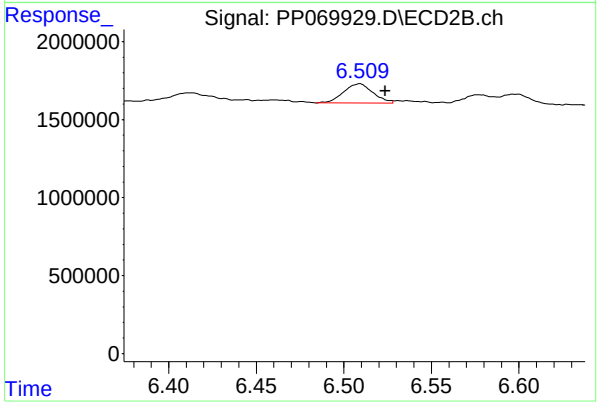
#28 AR-1254-3

R.T.: 6.278 min
Delta R.T.: -0.016 min
Response: 2415840
Conc: 31.83 ng/ml m



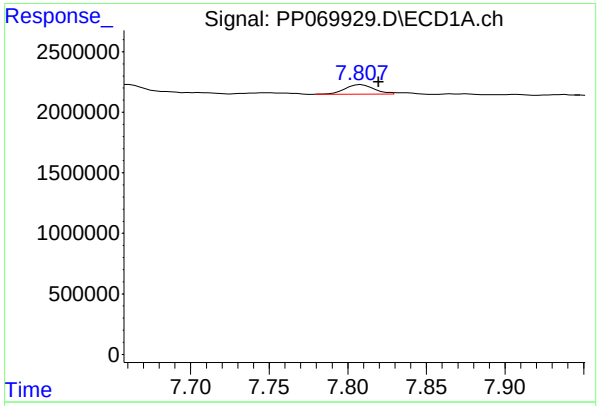
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.013 min
Response: 2453192
Conc: 35.98 ng/ml m



#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: -0.015 min
Response: 1455910
Conc: 28.41 ng/ml m



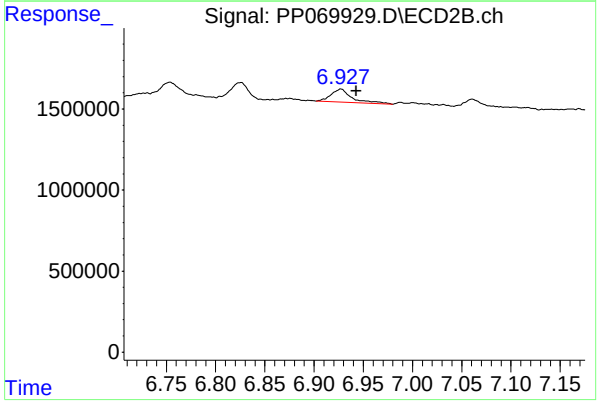
#30 AR-1254-5

R.T.: 7.807 min
Delta R.T.: -0.012 min
Response: 1042528
Conc: 15.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-03-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#30 AR-1254-5

R.T.: 6.927 min
Delta R.T.: -0.016 min
Response: 1192795
Conc: 17.92 ng/ml

Raw Data: **PP069849.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069849.D	1	02/19/25 08:10	02/19/25 17:19	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.4	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.4	ug/kg
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12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.4	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.9	*	44 - 130		139%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP069849.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:19
Operator : YP\AJ
Sample : Q1382-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-04-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	39651881	24873638	27.700	27.868m
2)	SA Decachlor...	10.254	8.888	25322622	26203070	23.170	23.427
	Target Compounds						

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

Sample Results: **PP069849.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:19
Operator : YP\AJ
Sample : Q1382-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

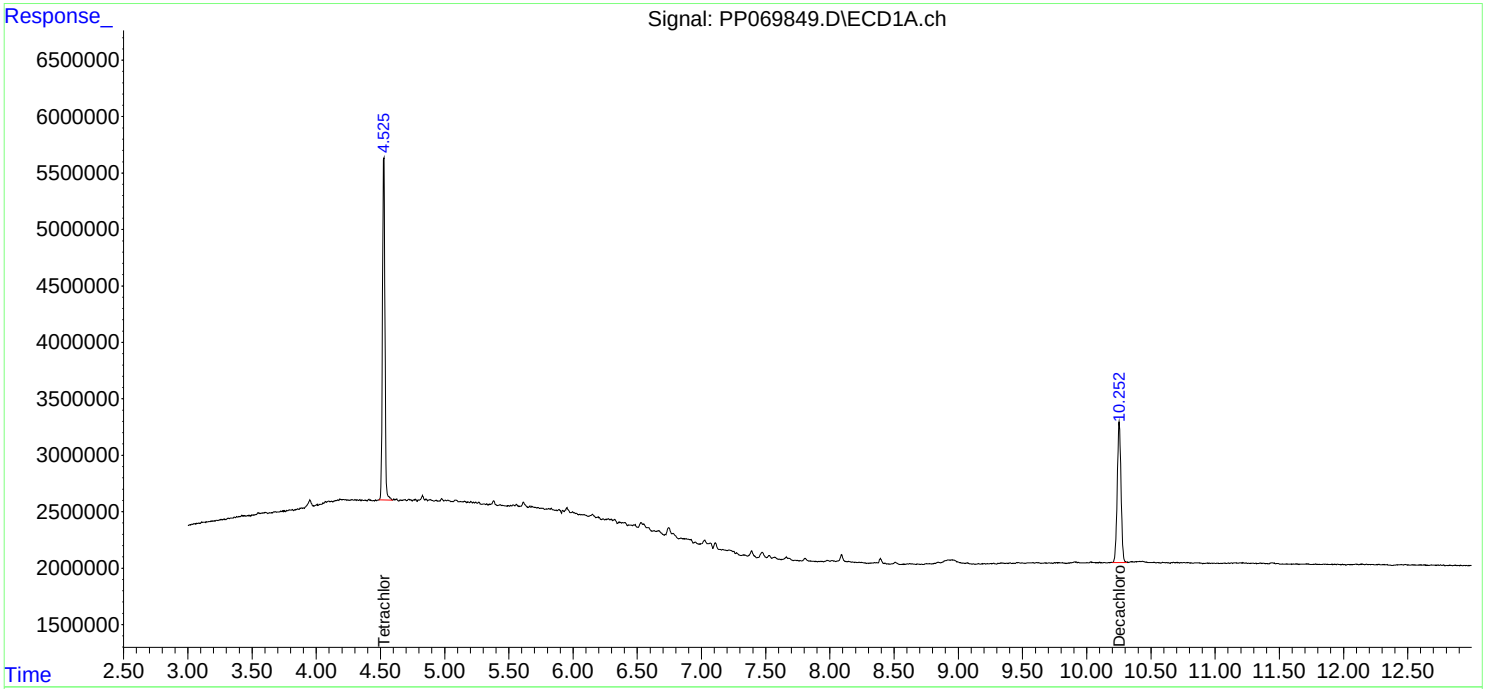
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-04-021725

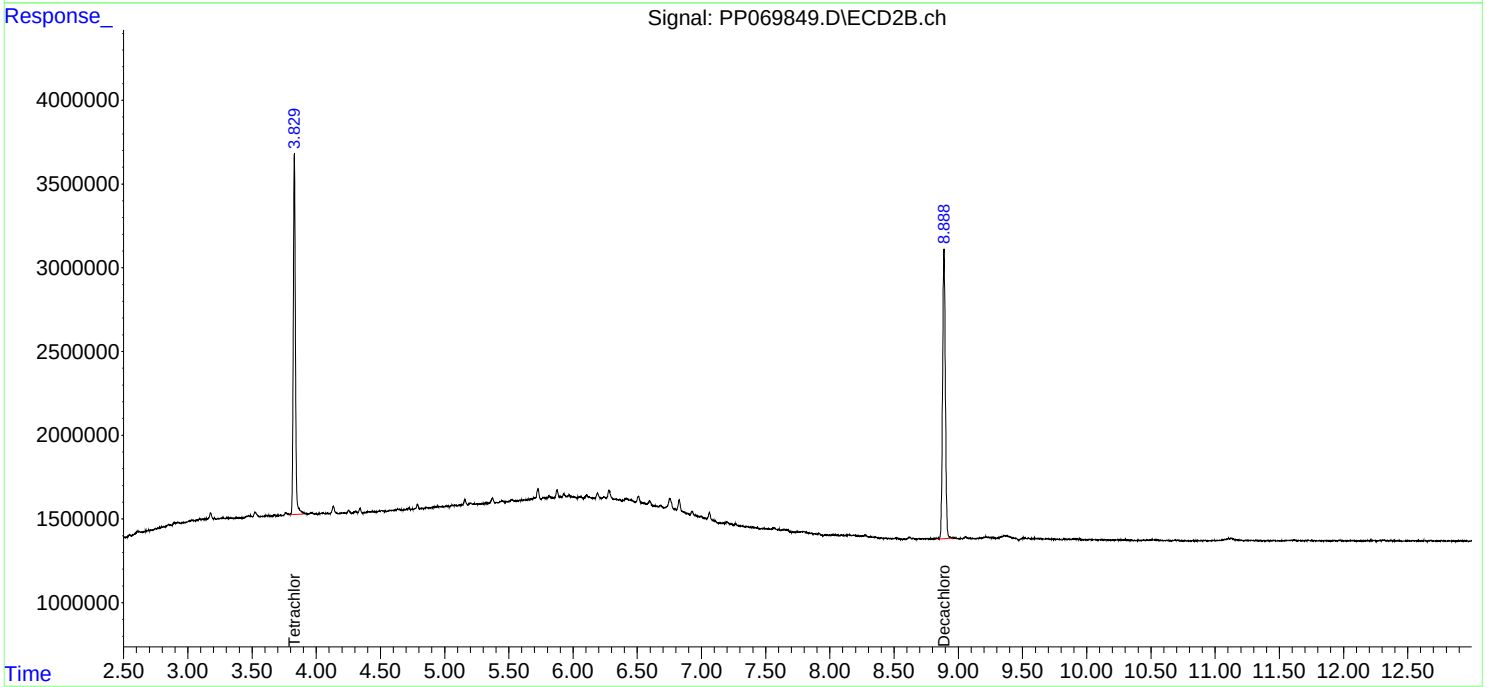
Manual Integrations APPROVED

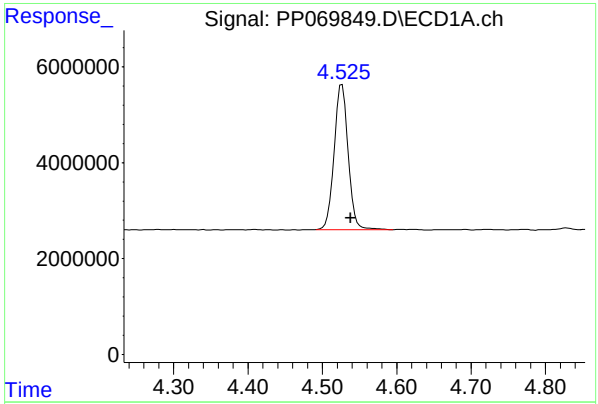
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







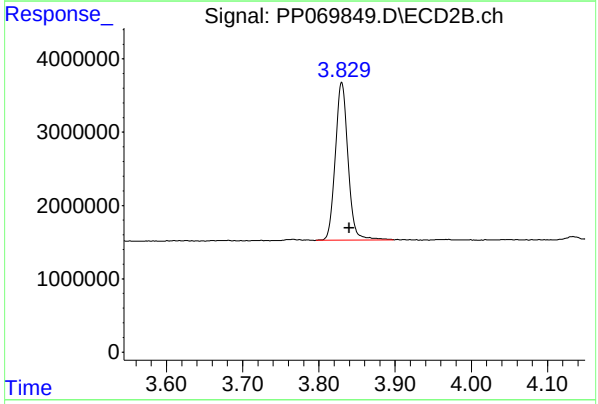
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 39651881
Conc: 27.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-04-021725

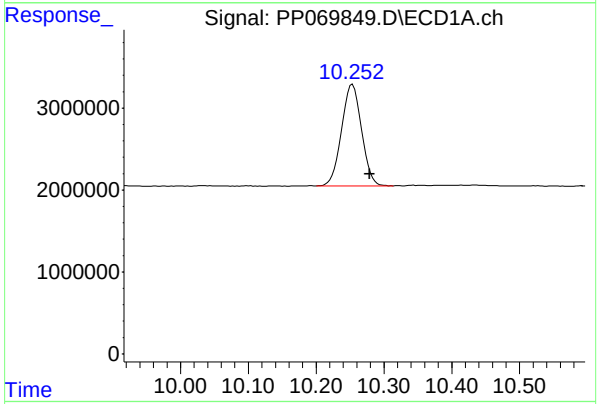
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



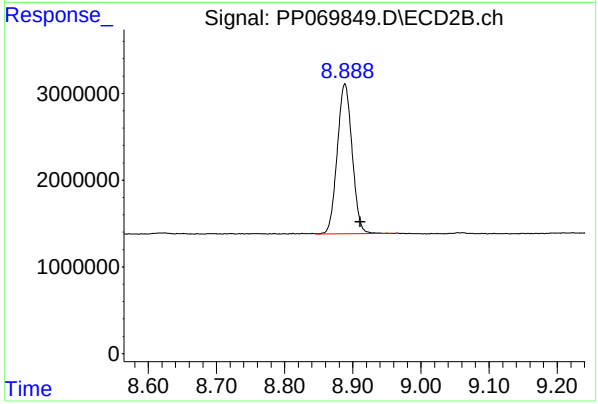
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24873638
Conc: 27.87 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.025 min
Response: 25322622
Conc: 23.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 26203070
Conc: 23.43 ng/ml

Raw Data: **PP069930.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-07RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069930.D	1	02/19/25 08:10	02/20/25 20:34	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.4	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.4	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	28.4	*	44 - 130		142%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		60 - 125		120%	SPK: 20

Comments:

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

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

Sample Results: **PP069930.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:34
Operator : YP\AJ
Sample : Q1382-07RE
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-04-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	40598309	24795924	28.361	27.781m
2)	SA Decachlor...	10.252	8.888	26213438	26681553	23.985	23.855
	Target Compounds						

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

Sample Results: **PP069930.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:34
Operator : YP\AJ
Sample : Q1382-07RE
Misc :
ALS Vial : 25 Sample Multiplier: 1

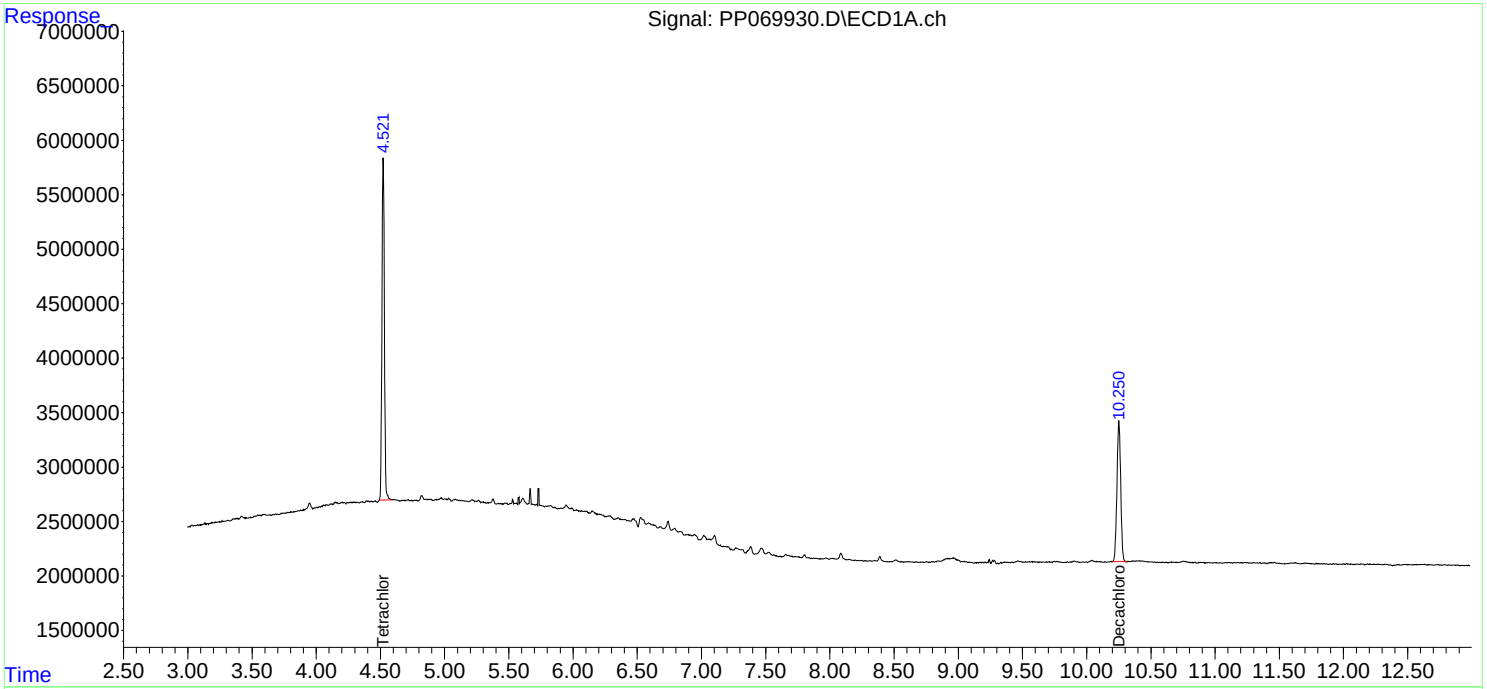
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-04-021725RE

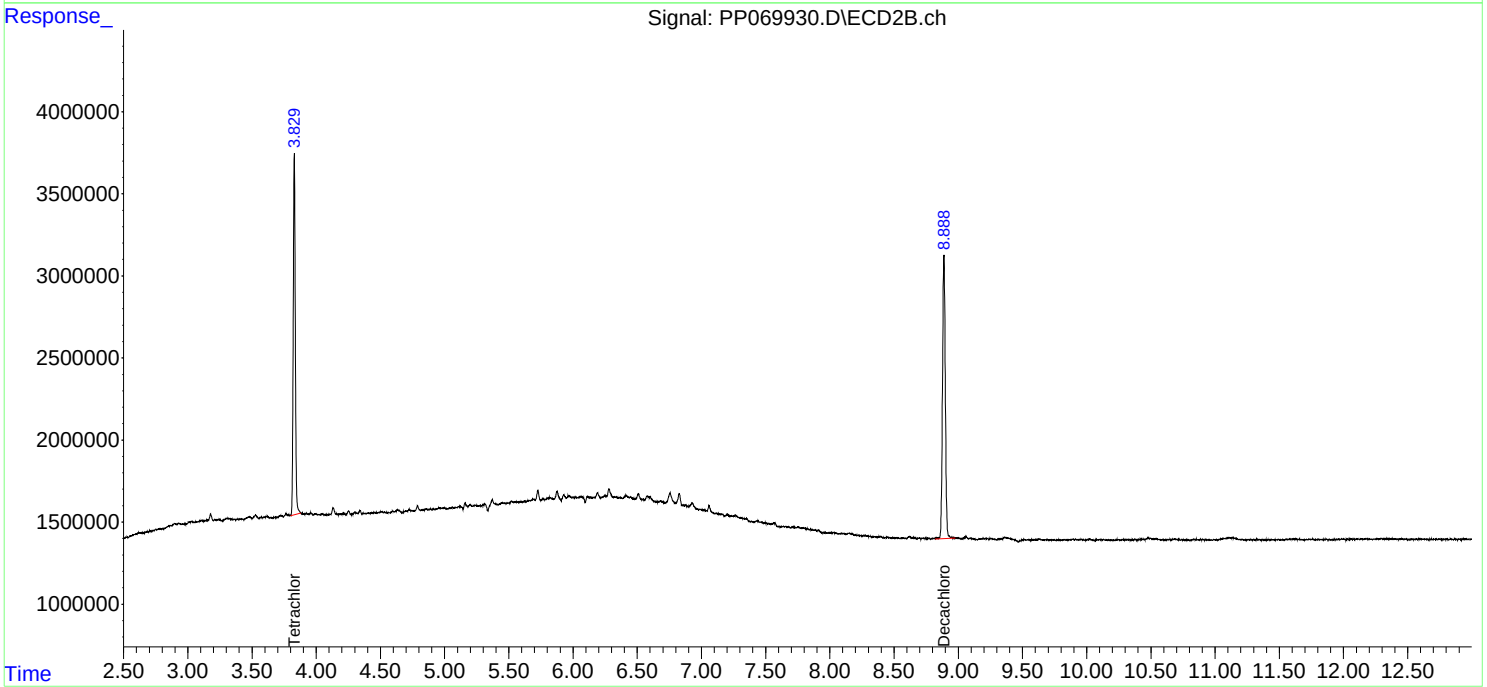
Manual Integrations APPROVED

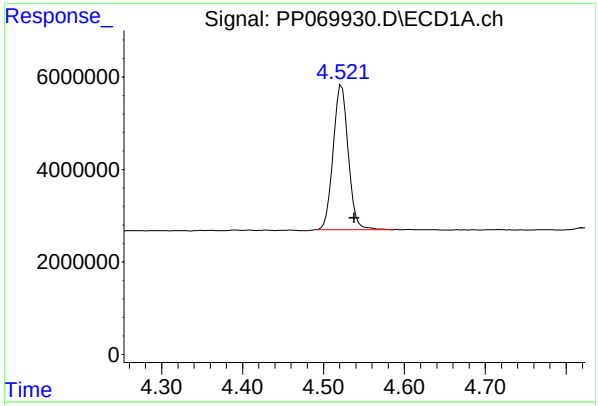
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







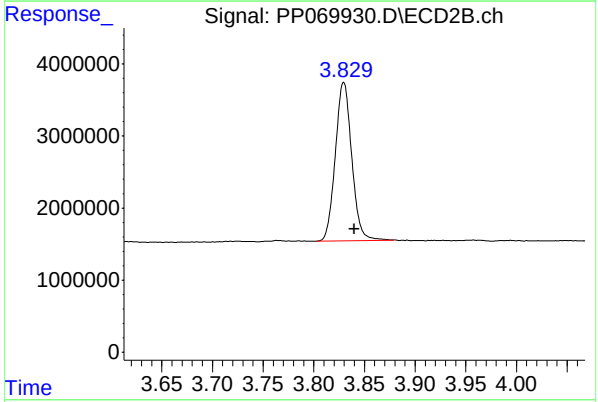
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.016 mi
Response: 40598309
Conc: 28.36 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-04-021725RE

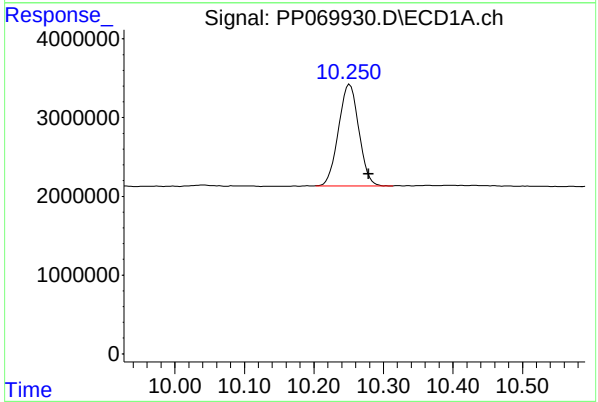
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



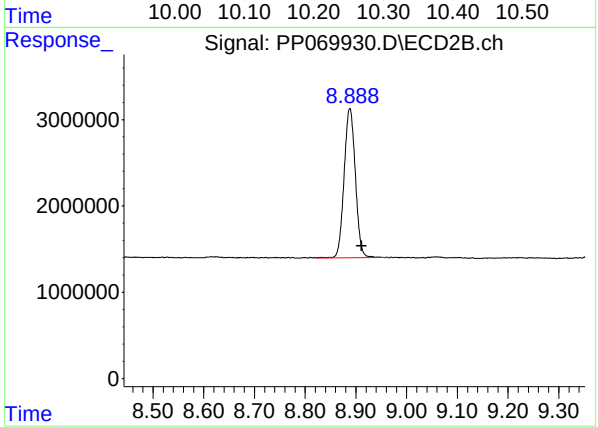
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24795924
Conc: 27.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.027 min
Response: 26213438
Conc: 23.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 26681553
Conc: 23.86 ng/ml

Raw Data: **PP069945.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069945.D	1	02/19/25 08:10	02/21/25 00:59	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	14.1	U	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.8		44 - 130		129%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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

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

Sample Results: **PP069945.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:59
Operator : YP\AJ
Sample : Q1382-09
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-05-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:59:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	36898216	22541875	25.776	25.256m
2)	SA Decachlor...	10.253	8.888	25546765	25430992	23.375	22.737
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:59
Operator : YP\AJ
Sample : Q1382-09
Misc :
ALS Vial : 35 Sample Multiplier: 1

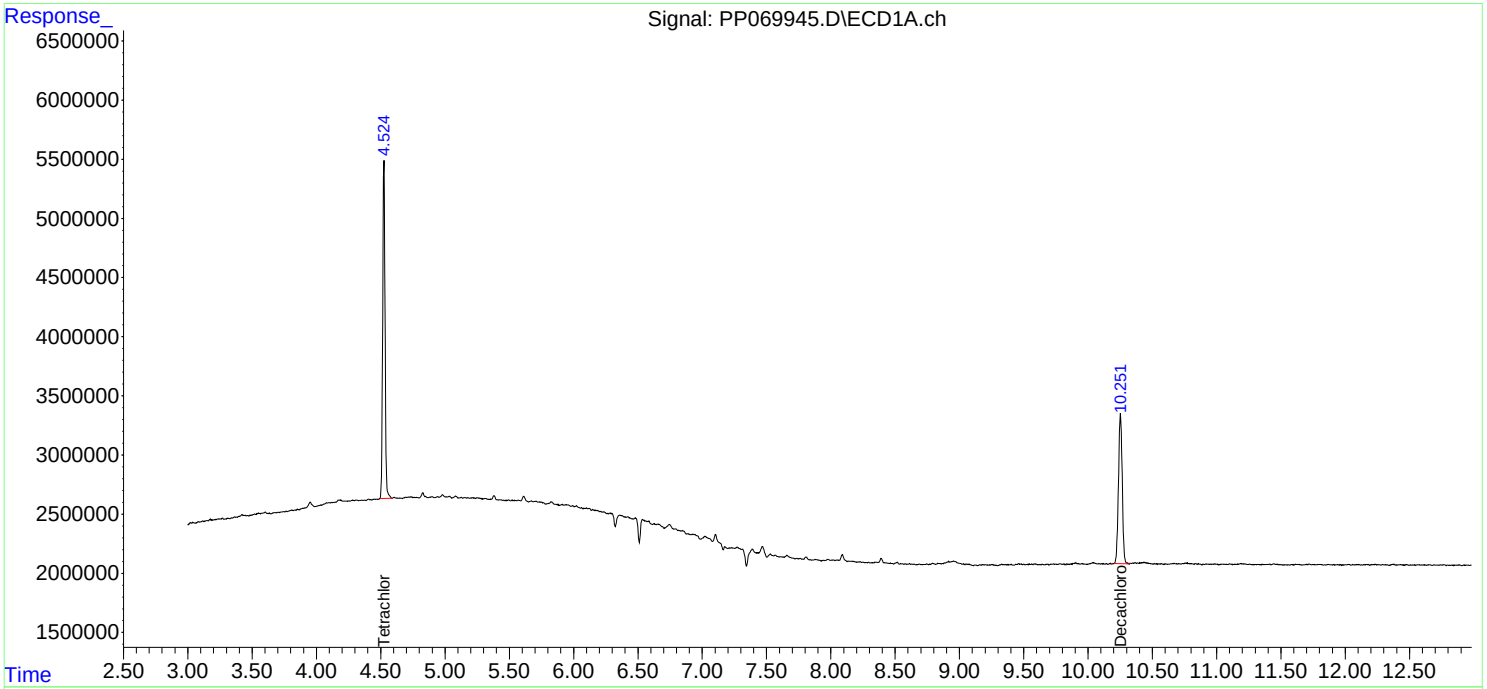
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-05-021725

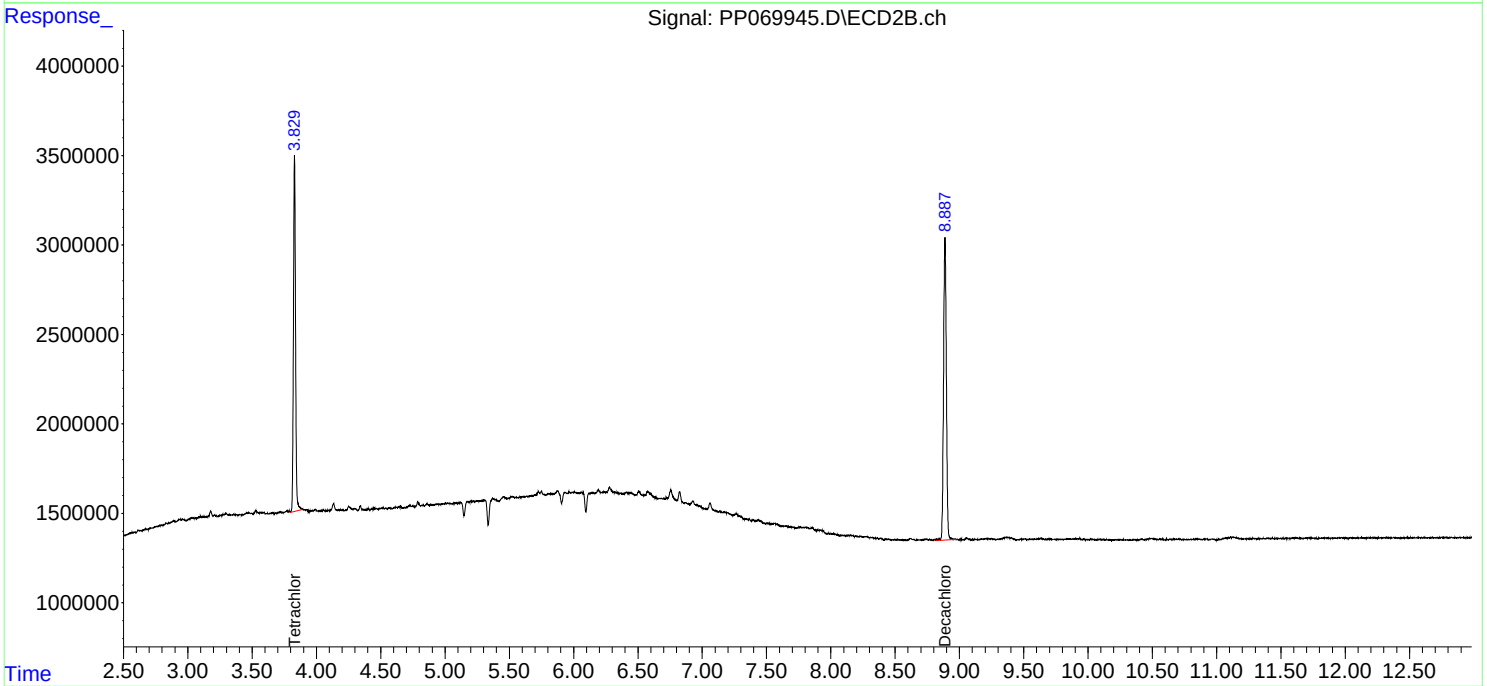
Manual Integrations APPROVED

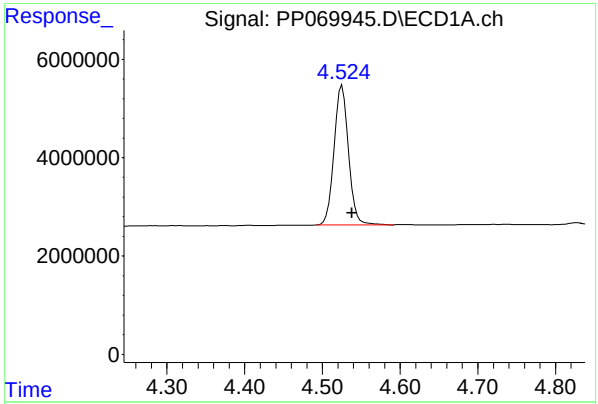
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:59:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







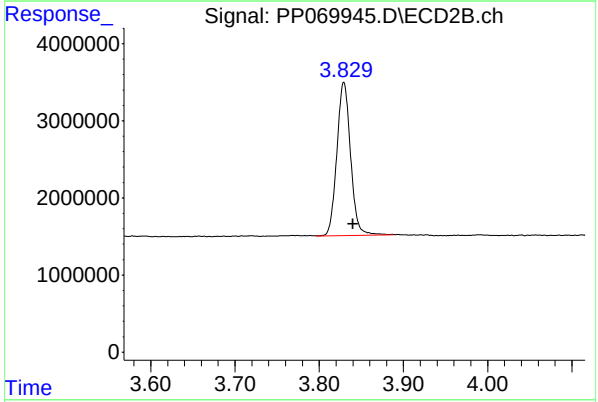
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.013 min
Response: 36898216
Conc: 25.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-05-021725

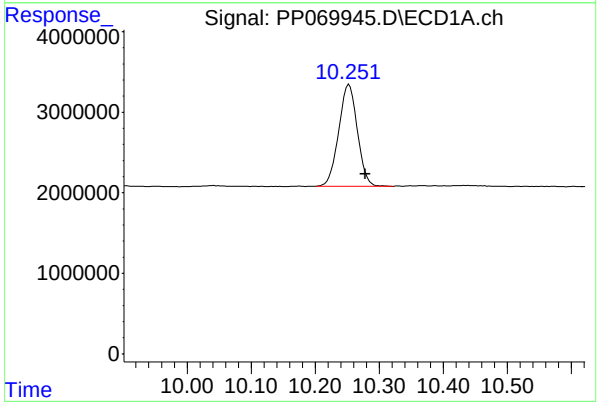
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



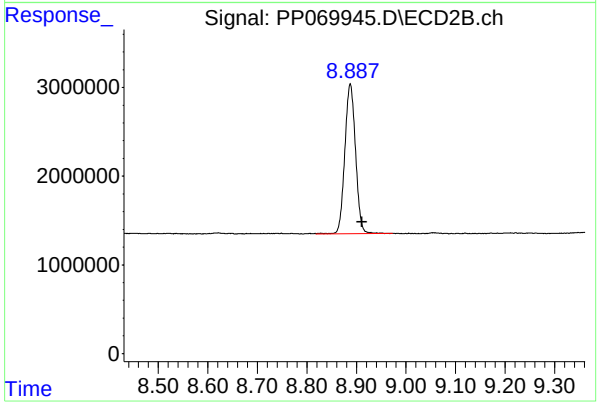
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 22541875
Conc: 25.26 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 25546765
Conc: 23.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.024 min
Response: 25430992
Conc: 22.74 ng/ml

Raw Data: **PP069851.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069851.D	1	02/19/25 08:10	02/19/25 17:52	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.1	U	6.90	14.1	18.4	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.50	14.1	18.4	ug/kg
11097-69-1	Aroclor-1254	21.5		3.00	14.1	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.5	*	44 - 130		138%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		60 - 125		115%	SPK: 20

Comments:

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

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

Sample Results: **PP069851.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:52
Operator : YP\AJ
Sample : Q1382-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	38716836	24544850	27.047	27.500m
2)	SA Decachlor...	10.249	8.887	25206140	24759513	23.064	22.137
	Target Compounds						
26)	L6 AR-1254-1	6.525	5.727	2330617	2987396	40.278m	54.261 #
27)	L6 AR-1254-2	6.742	5.876	4539867	3084505	56.577	63.771
28)	L6 AR-1254-3	7.105	6.281	4008358	4078144	47.555	53.733m
29)	L6 AR-1254-4	7.387	6.510	3752023	3717242	55.025	72.532 #
30)	L6 AR-1254-5	7.802	6.928	3191557	3543535	46.903m	53.238

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

Sample Results: **PP069851.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:52
Operator : YP\AJ
Sample : Q1382-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

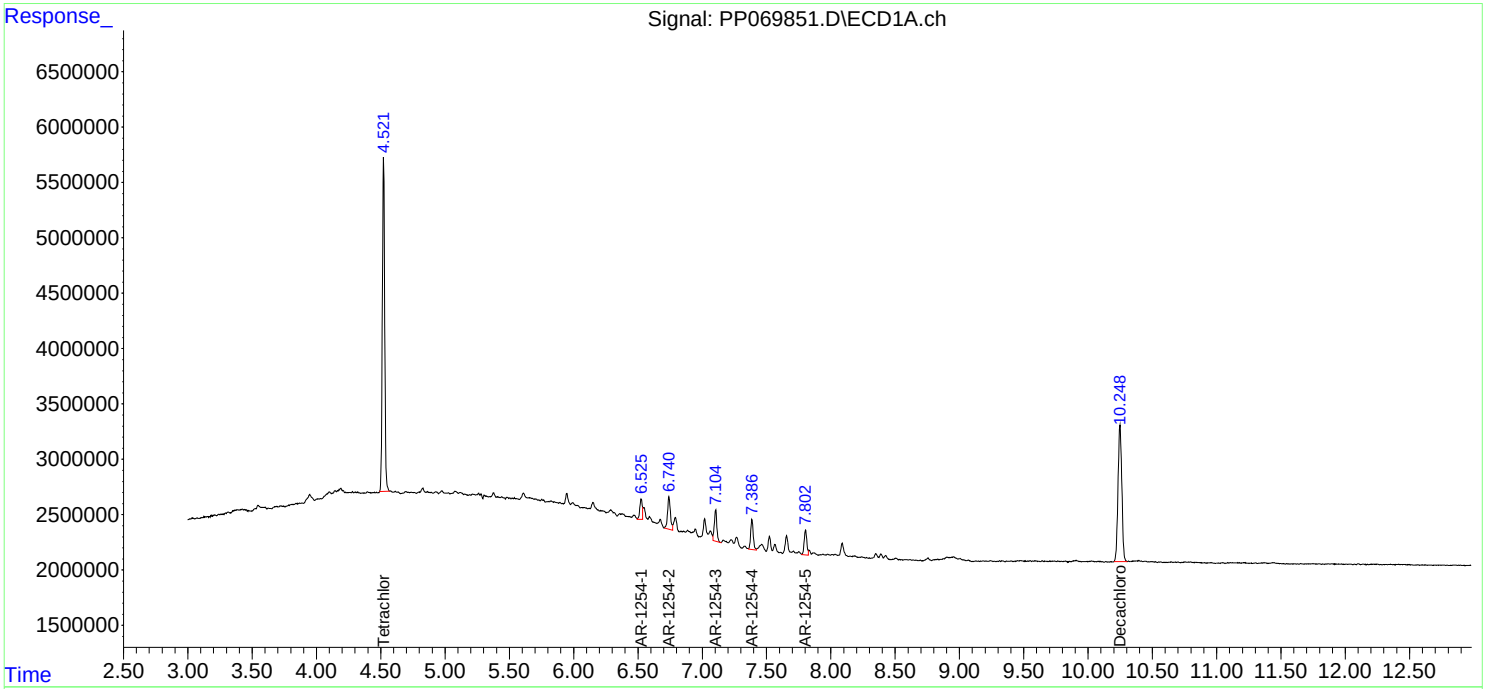
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725

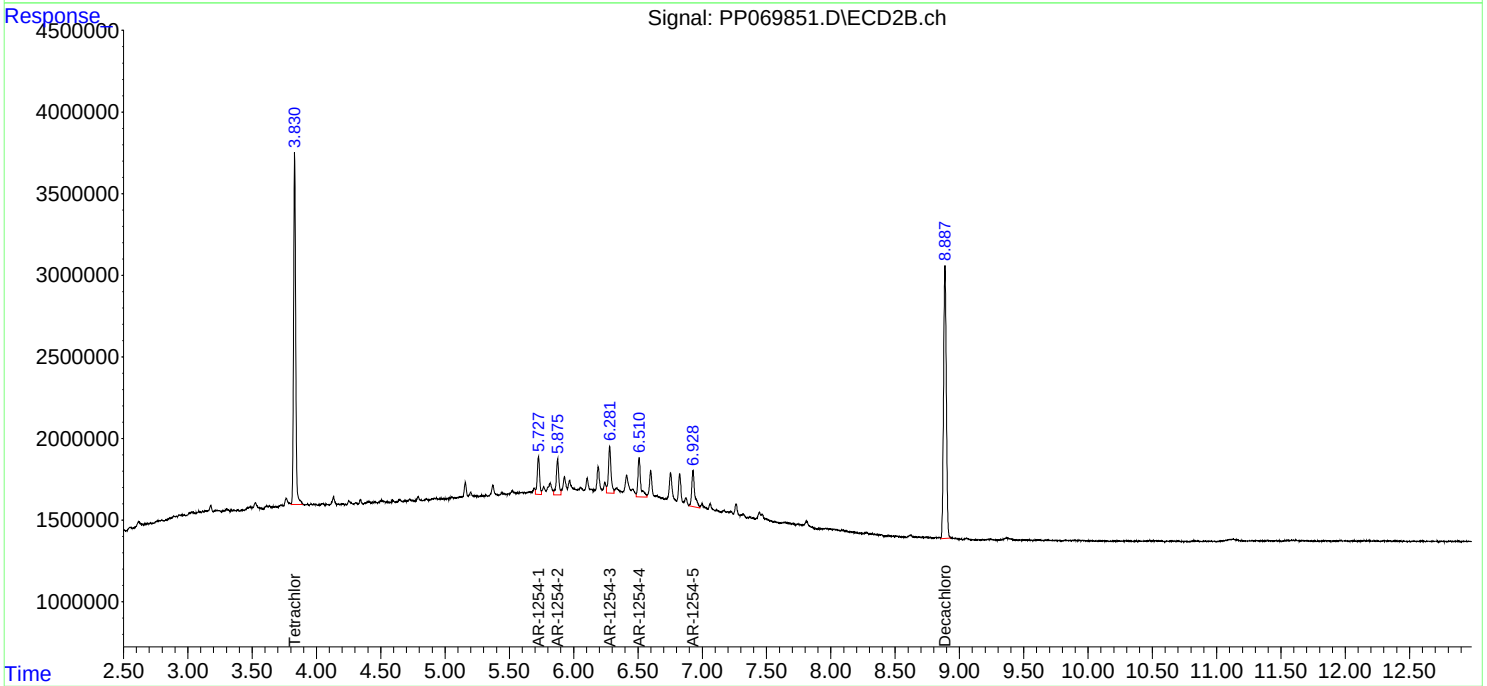
Manual Integrations APPROVED

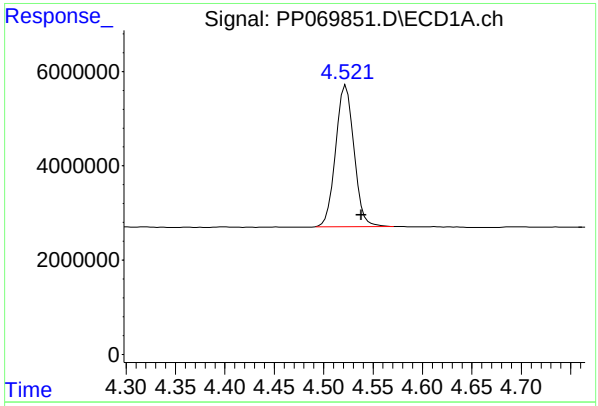
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







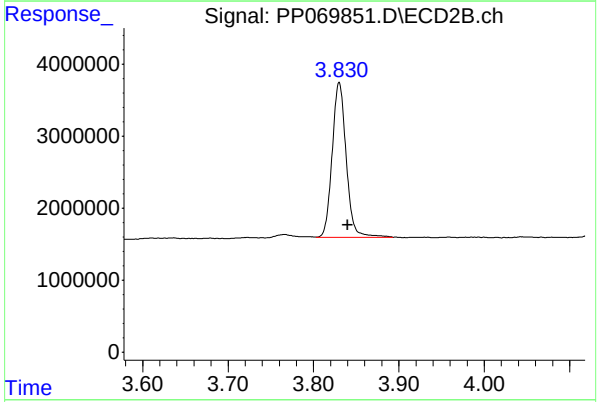
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 mi
Response: 38716836
Conc: 27.05 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725

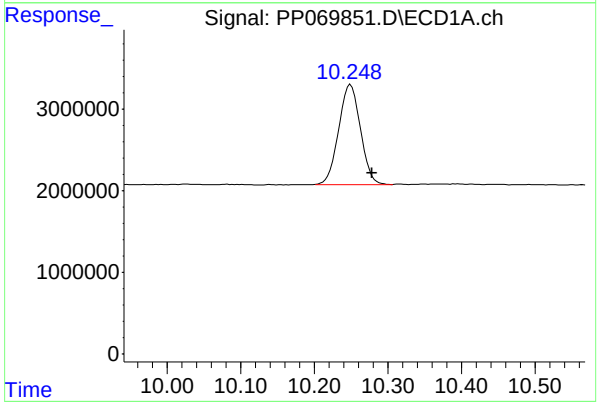
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



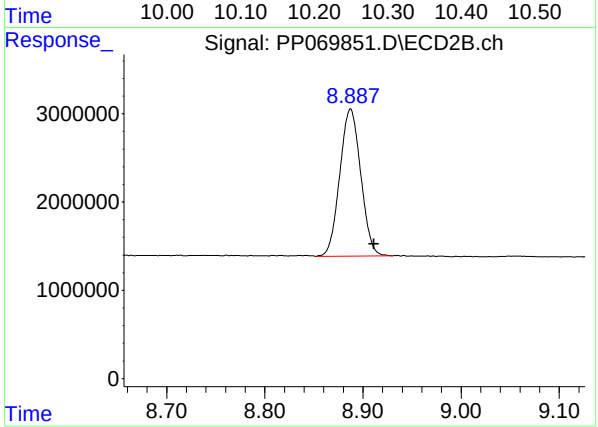
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 24544850
Conc: 27.50 ng/ml m



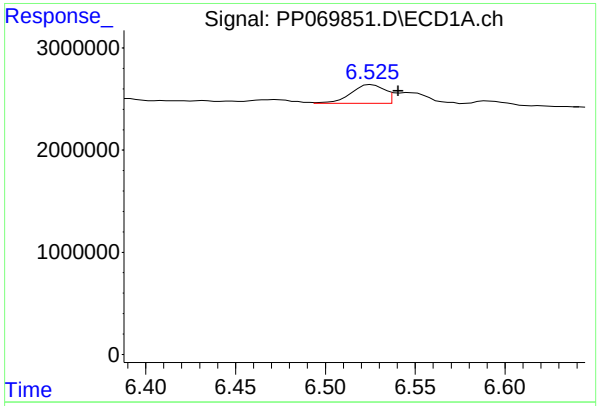
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.029 min
Response: 25206140
Conc: 23.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 24759513
Conc: 22.14 ng/ml



#26 AR-1254-1

R.T.: 6.525 min
Delta R.T.: -0.016 min
Response: 2330617
Conc: 40.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725

Manual Integrations APPROVED

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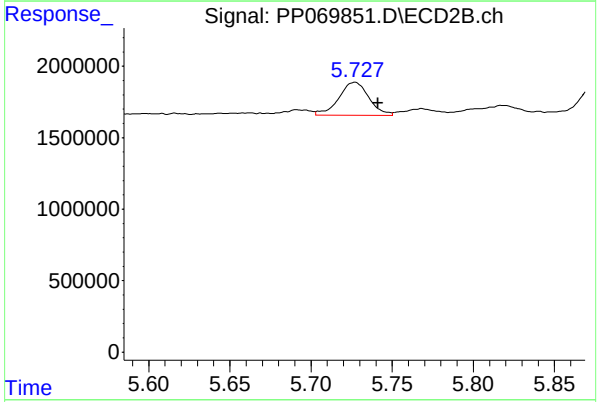
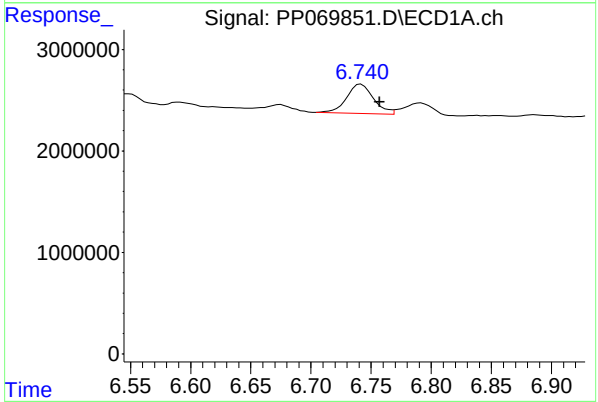


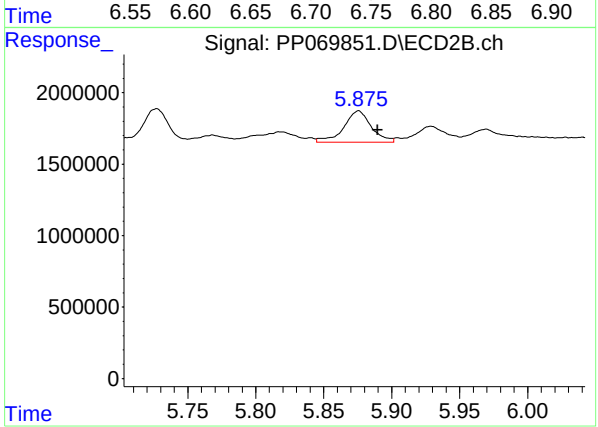
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: -0.014 min
Response: 2987396
Conc: 54.26 ng/ml



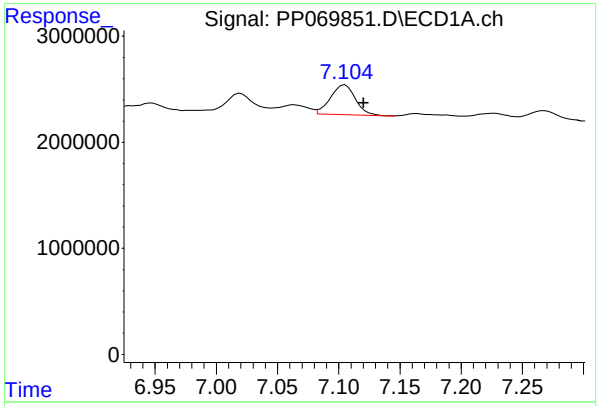
#27 AR-1254-2

R.T.: 6.742 min
Delta R.T.: -0.016 min
Response: 4539867
Conc: 56.58 ng/ml



#27 AR-1254-2

R.T.: 5.876 min
Delta R.T.: -0.014 min
Response: 3084505
Conc: 63.77 ng/ml



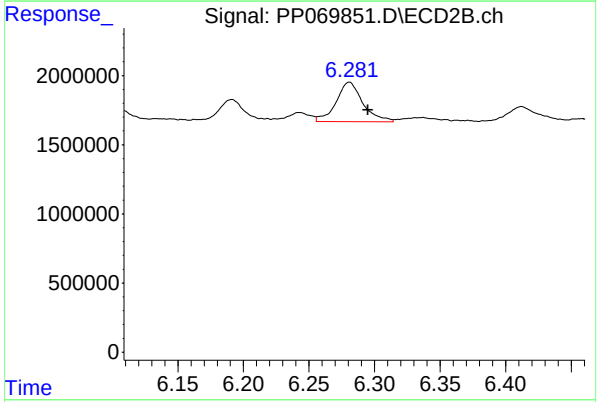
#28 AR-1254-3

R.T.: 7.105 min
Delta R.T.: -0.015 min
Response: 4008358
Conc: 47.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725

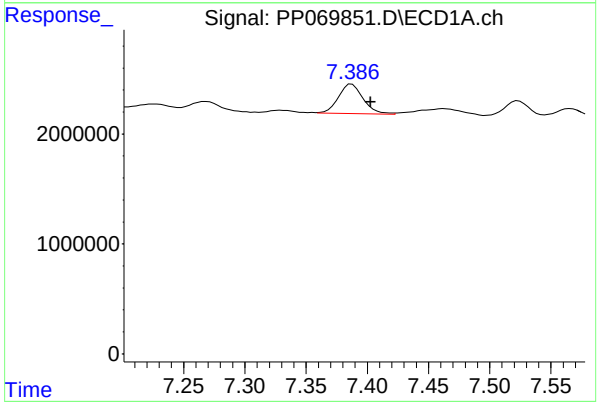
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



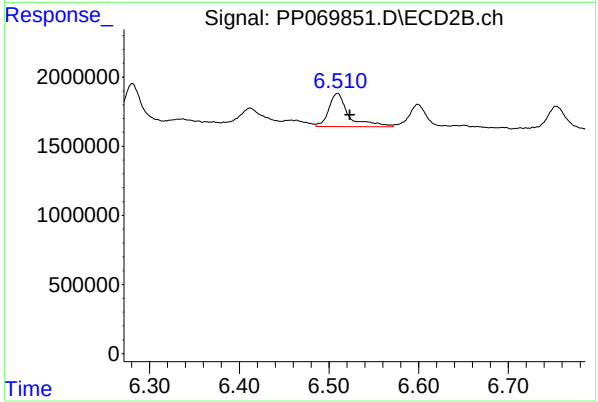
#28 AR-1254-3

R.T.: 6.281 min
Delta R.T.: -0.014 min
Response: 4078144
Conc: 53.73 ng/ml m



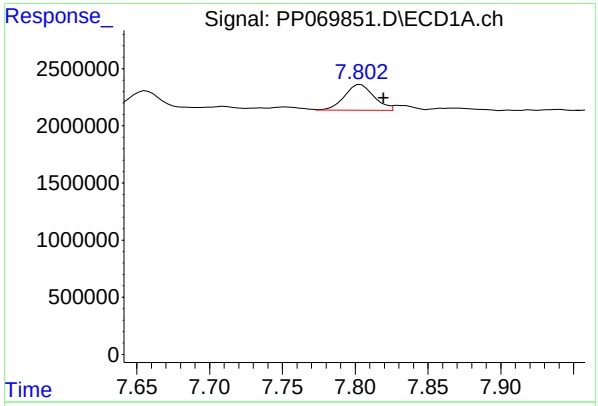
#29 AR-1254-4

R.T.: 7.387 min
Delta R.T.: -0.015 min
Response: 3752023
Conc: 55.02 ng/ml



#29 AR-1254-4

R.T.: 6.510 min
Delta R.T.: -0.014 min
Response: 3717242
Conc: 72.53 ng/ml



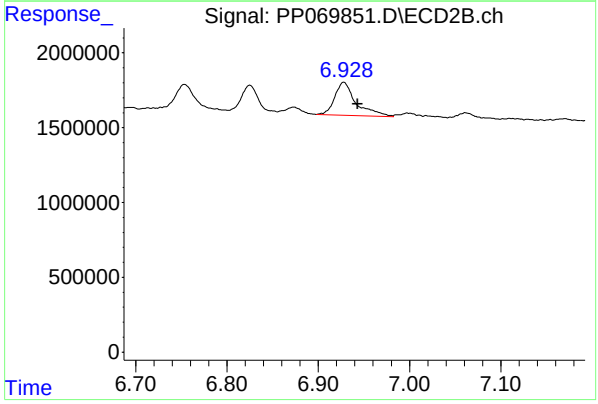
#30 AR-1254-5

R.T.: 7.802 min
Delta R.T.: -0.017 min
Response: 3191557
Conc: 46.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: -0.015 min
Response: 3543535
Conc: 53.24 ng/ml

Raw Data: **PP069931.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-11RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069931.D	1	02/19/25 08:10	02/20/25 20:50	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.1	U	6.90	14.1	18.4	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.50	14.1	18.4	ug/kg
11097-69-1	Aroclor-1254	18.2	J	3.00	14.1	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	28.8	*	44 - 130		144%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		60 - 125		119%	SPK: 20

Comments:

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

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

Sample Results: **PP069931.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:50
Operator : YP\AJ
Sample : Q1382-11RE
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	41249656	24938906	28.816	27.942m
2)	SA Decachlor...	10.255	8.888	26098974	26665620	23.881	23.841
	Target Compounds						
26)	L6 AR-1254-1	6.530	5.726	1926608	2486505	33.296m	45.163m#
27)	L6 AR-1254-2	6.743	5.874	3607260	2464162	44.955m	50.945m
28)	L6 AR-1254-3	7.106	6.280	5626344	3614804	66.751m	47.628m#
29)	L6 AR-1254-4	7.389	6.508	4110413	2746706	60.281m	53.595m
30)	L6 AR-1254-5	7.807	6.927	2978860	3646813	43.777m	54.789 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:50
Operator : YP\AJ
Sample : Q1382-11RE
Misc :
ALS Vial : 26 Sample Multiplier: 1

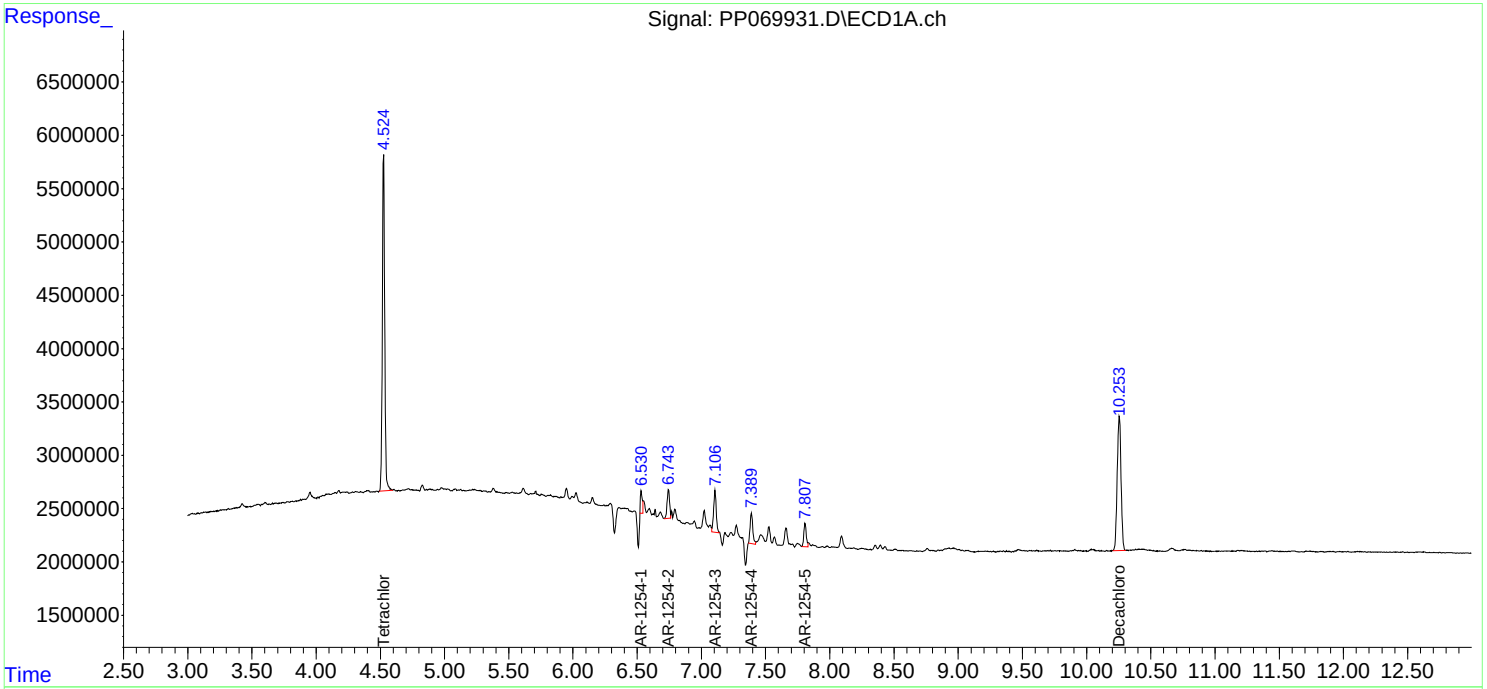
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725RE

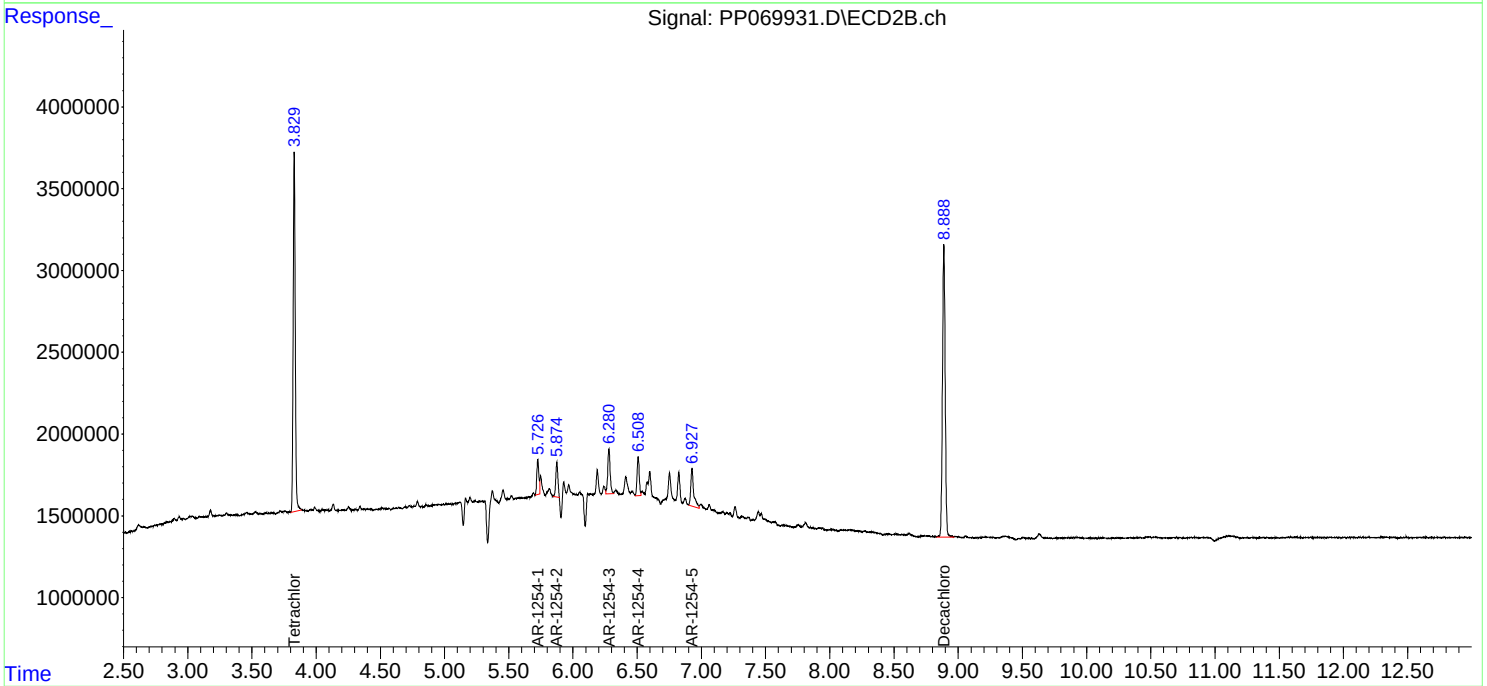
Manual Integrations APPROVED

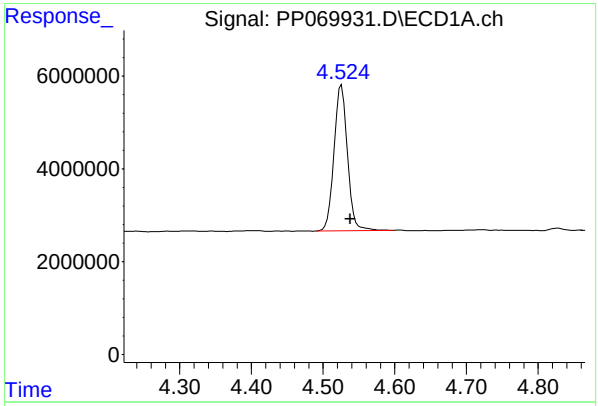
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-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.: -0.012 min
Response: 41249656
Conc: 28.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725RE

Manual Integrations APPROVED

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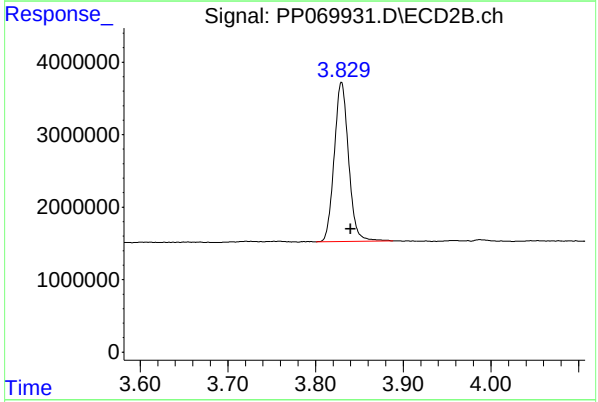
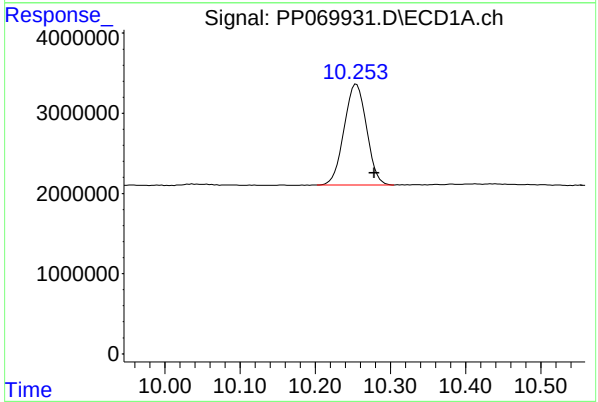


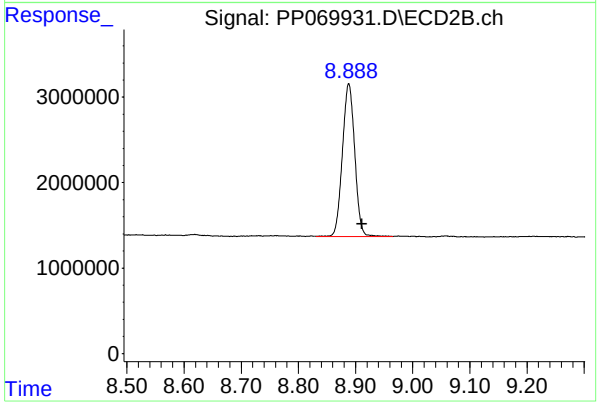
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24938906
Conc: 27.94 ng/ml m



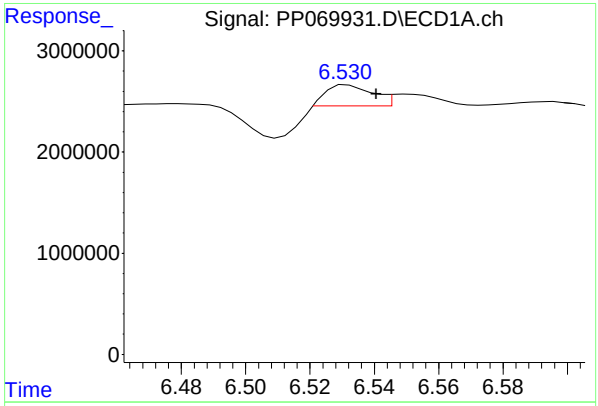
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: -0.024 min
Response: 26098974
Conc: 23.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 26665620
Conc: 23.84 ng/ml



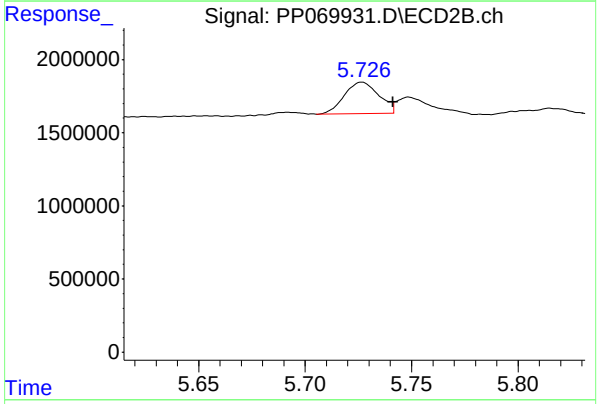
#26 AR-1254-1

R.T.: 6.530 min
Delta R.T.: -0.011 min
Response: 1926608
Conc: 33.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725RE

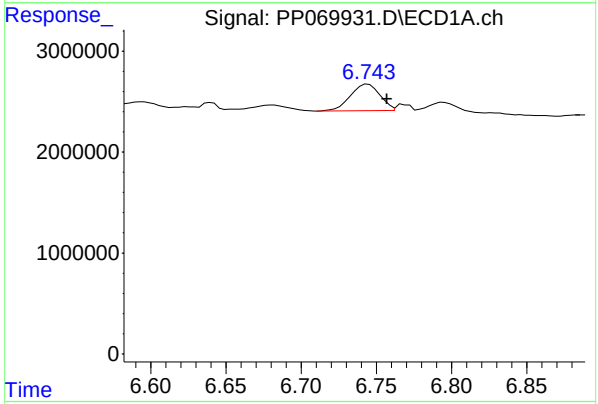
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



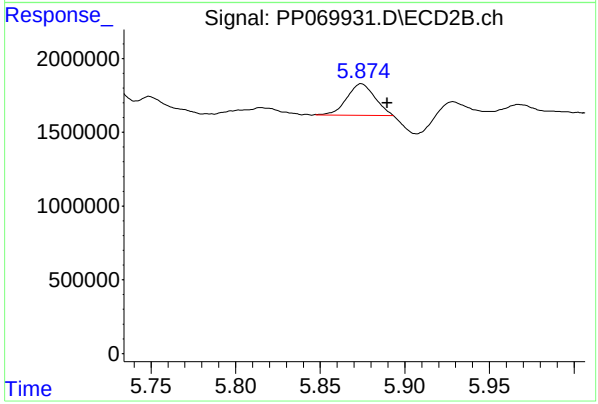
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.015 min
Response: 2486505
Conc: 45.16 ng/ml m



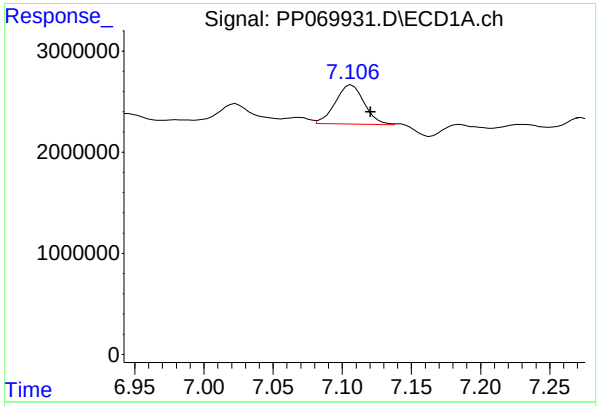
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.014 min
Response: 3607260
Conc: 44.95 ng/ml m



#27 AR-1254-2

R.T.: 5.874 min
Delta R.T.: -0.016 min
Response: 2464162
Conc: 50.95 ng/ml m



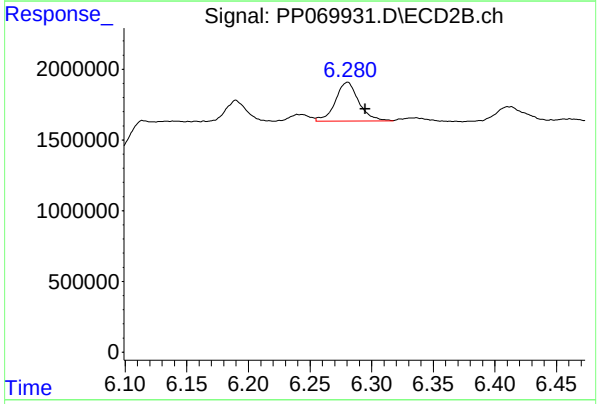
#28 AR-1254-3

R.T.: 7.106 min
Delta R.T.: -0.015 mi
Response: 5626344
Conc: 66.75 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725RE

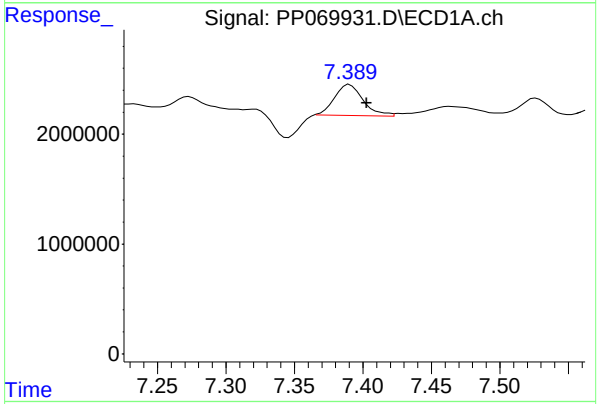
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



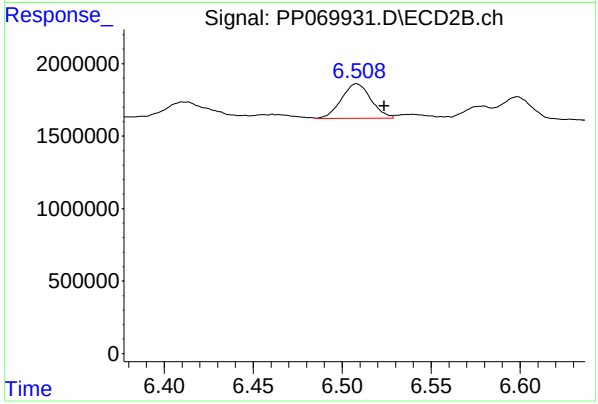
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: -0.015 min
Response: 3614804
Conc: 47.63 ng/ml m



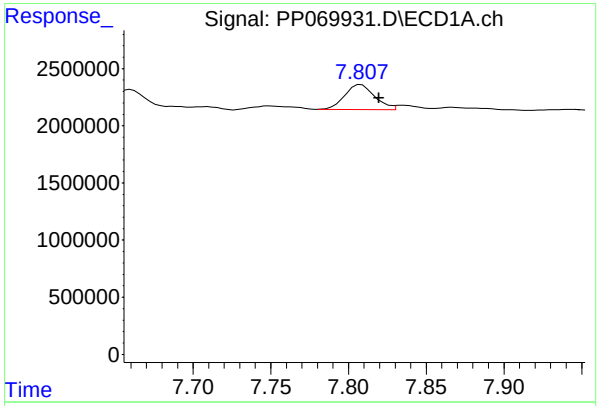
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.014 min
Response: 4110413
Conc: 60.28 ng/ml m



#29 AR-1254-4

R.T.: 6.508 min
Delta R.T.: -0.016 min
Response: 2746706
Conc: 53.59 ng/ml m



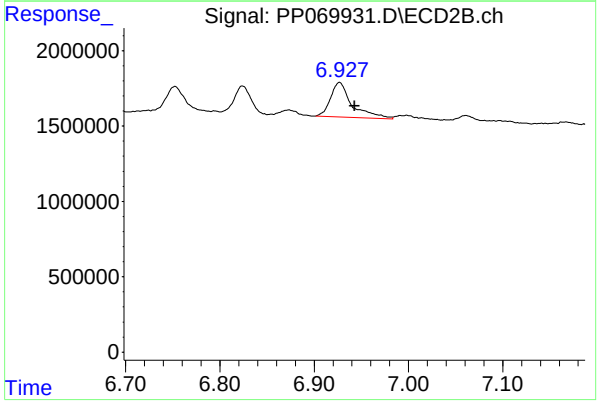
#30 AR-1254-5

R.T.: 7.807 min
Delta R.T.: -0.013 min
Response: 2978860
Conc: 43.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-06-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#30 AR-1254-5

R.T.: 6.927 min
Delta R.T.: -0.016 min
Response: 3646813
Conc: 54.79 ng/ml

Raw Data: **PP069852.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069852.D	1	02/19/25 08:10	02/19/25 18:08	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.1	U	6.90	14.1	18.4	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.50	14.1	18.4	ug/kg
11097-69-1	Aroclor-1254	43.2		3.00	14.1	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	26.8	*	44 - 130		134%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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

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

Sample Results: **PP069852.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:08
Operator : YP\AJ
Sample : Q1382-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-07-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	38285841	22219838	26.746	24.895m
2)	SA Decachlor...	10.253	8.887	25515164	25982285	23.346	23.230
	Target Compounds						
26)	L6 AR-1254-1	6.531	5.727	7405247	6683487	127.977	121.395
27)	L6 AR-1254-2	6.747	5.875	9705393	6775361	120.952	140.077
28)	L6 AR-1254-3	7.109	6.280	9830034	8214489	116.624	108.233m
29)	L6 AR-1254-4	7.392	6.508	8381645	5968749	122.920	116.464m
30)	L6 AR-1254-5	7.809	6.928	7460332	6842361	109.636	102.799

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

Sample Results: **PP069852.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:08
Operator : YP\AJ
Sample : Q1382-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

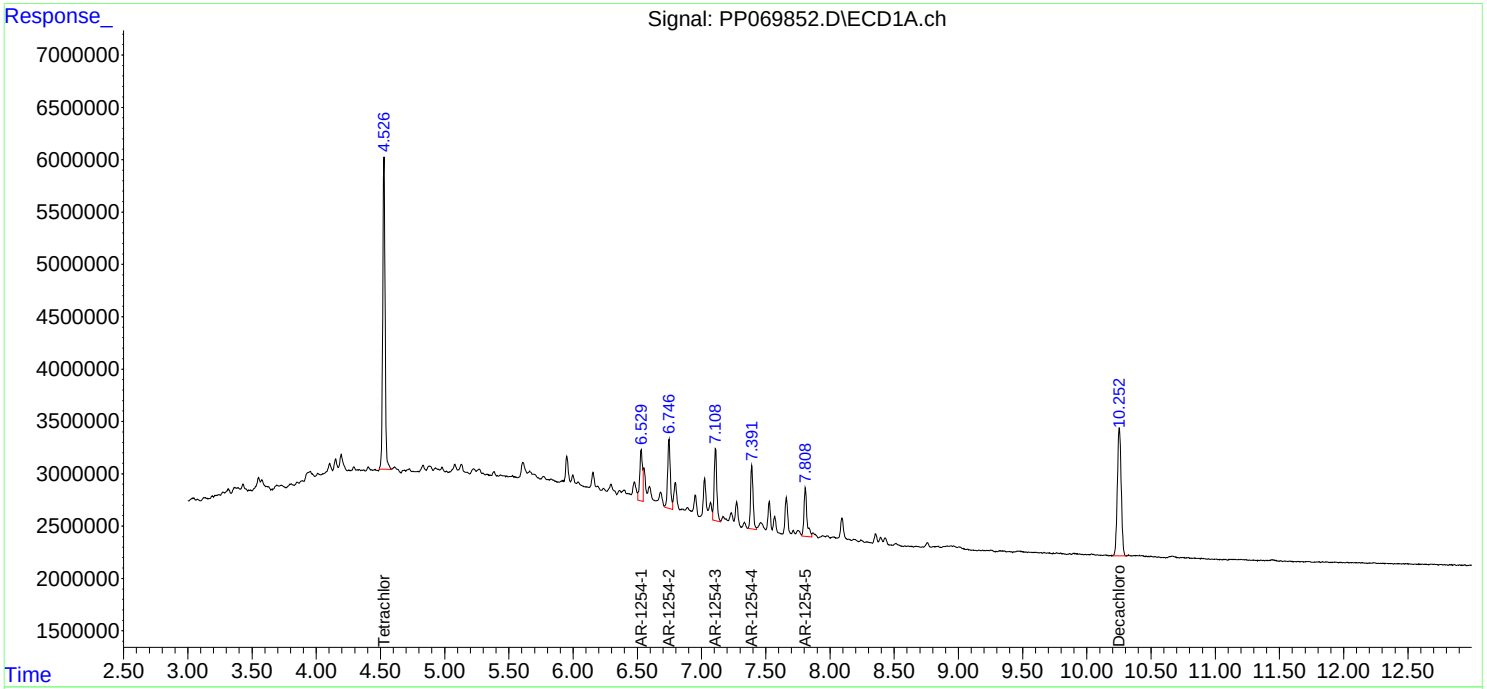
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

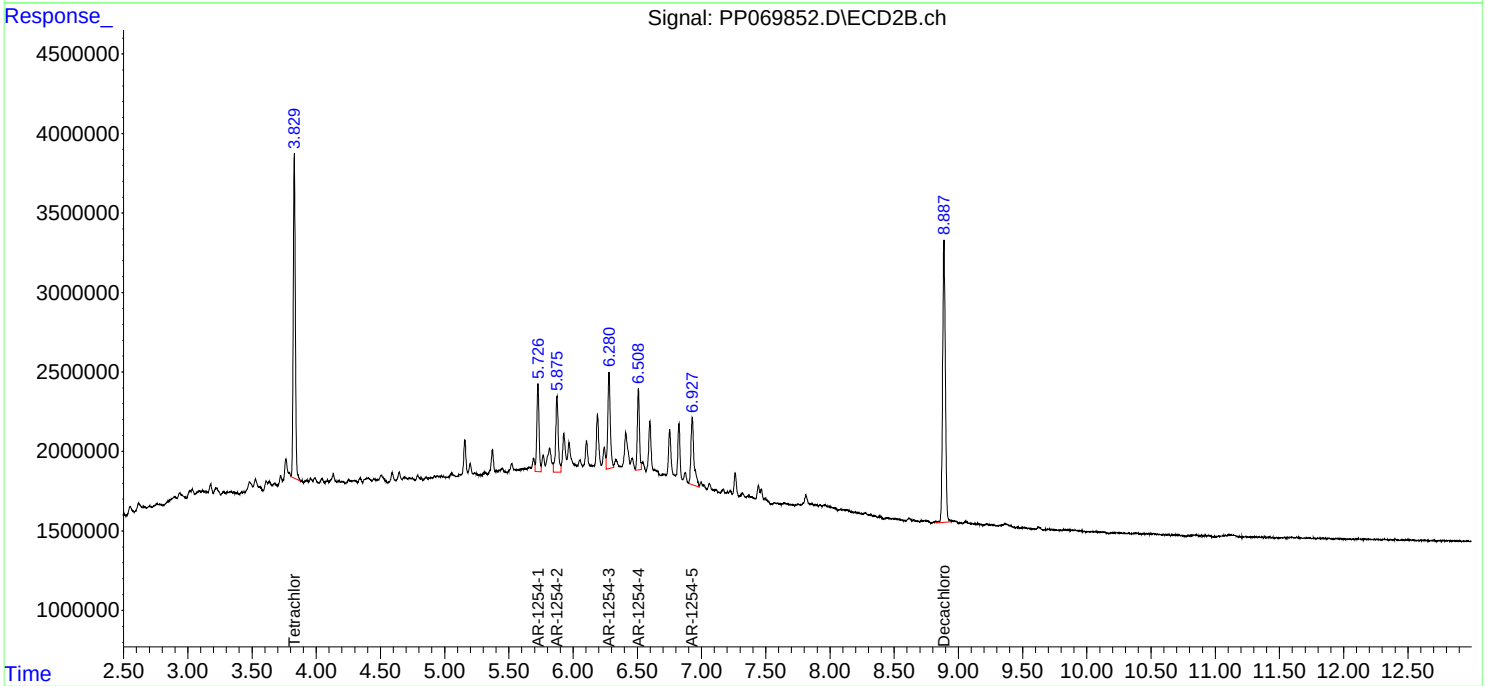
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

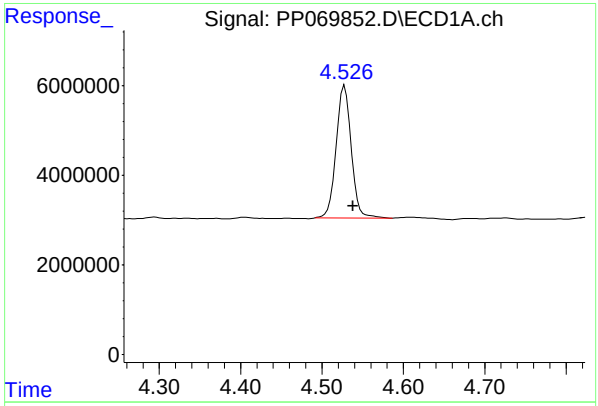
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-07-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025







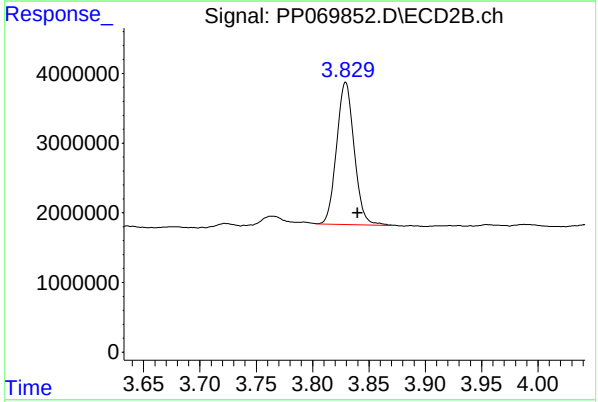
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: -0.010 min
Response: 38285841
Conc: 26.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-07-021725

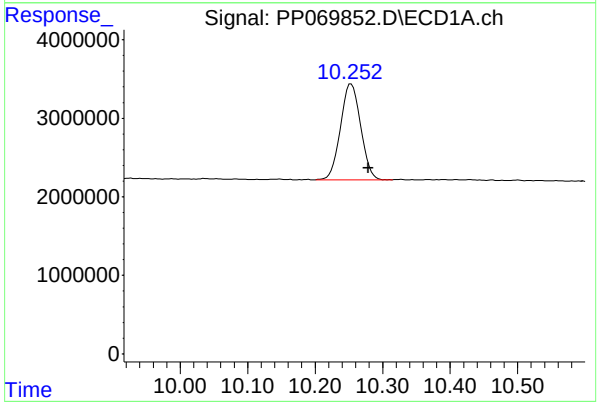
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



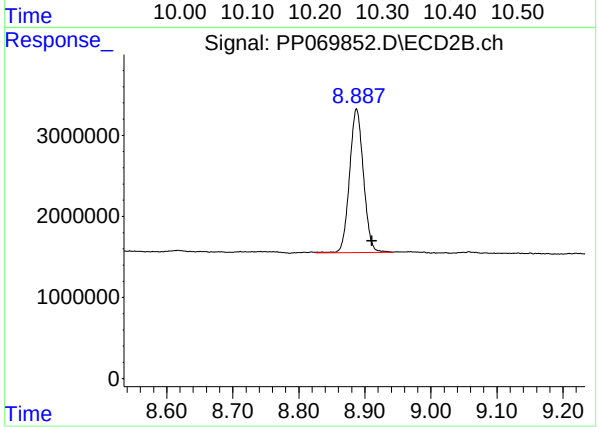
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 22219838
Conc: 24.90 ng/ml m



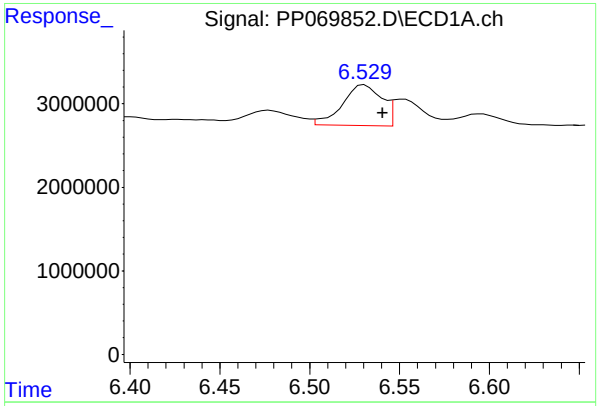
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.025 min
Response: 25515164
Conc: 23.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 25982285
Conc: 23.23 ng/ml



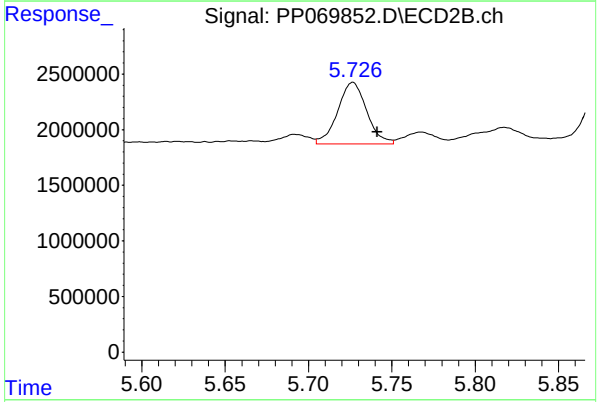
#26 AR-1254-1

R.T.: 6.531 min
Delta R.T.: -0.010 min
Response: 7405247
Conc: 127.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-07-021725

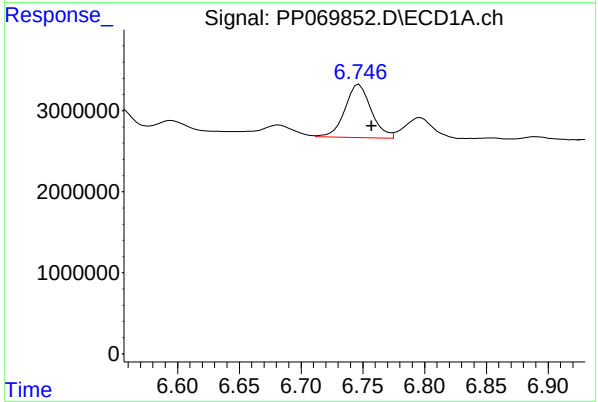
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



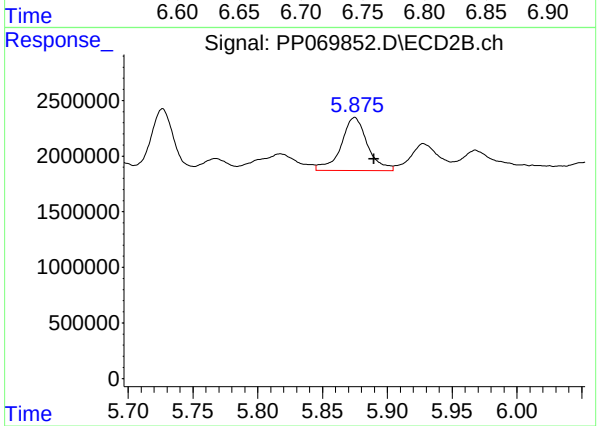
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: -0.015 min
Response: 6683487
Conc: 121.39 ng/ml



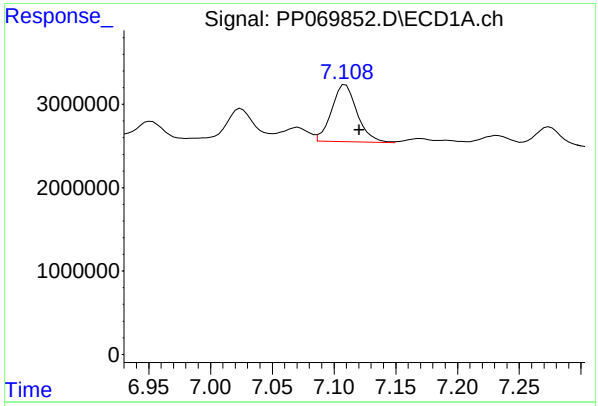
#27 AR-1254-2

R.T.: 6.747 min
Delta R.T.: -0.010 min
Response: 9705393
Conc: 120.95 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: -0.015 min
Response: 6775361
Conc: 140.08 ng/ml



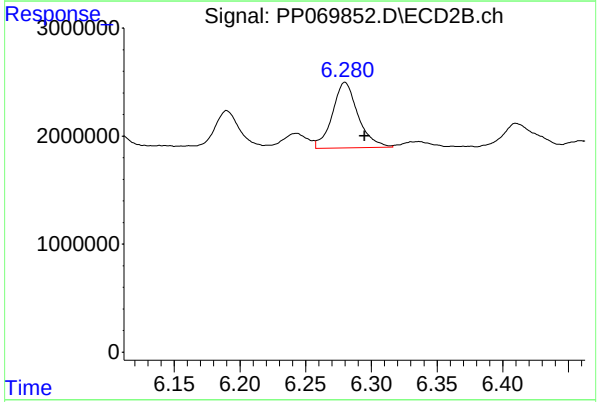
#28 AR-1254-3

R.T.: 7.109 min
Delta R.T.: -0.011 mi
Response: 9830034
Conc: 116.62 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-07-021725

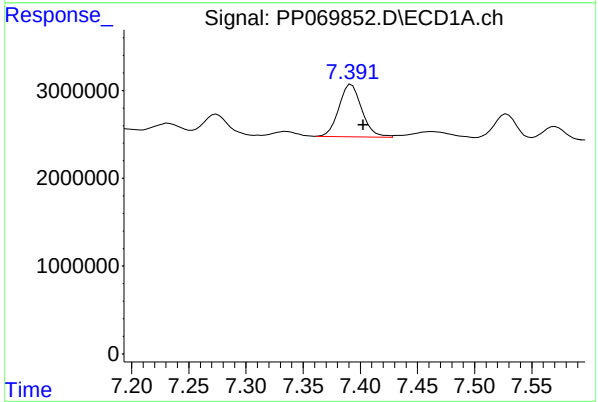
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



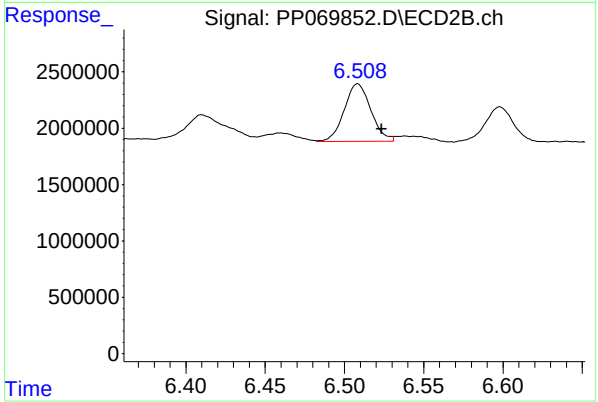
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: -0.015 min
Response: 8214489
Conc: 108.23 ng/ml m



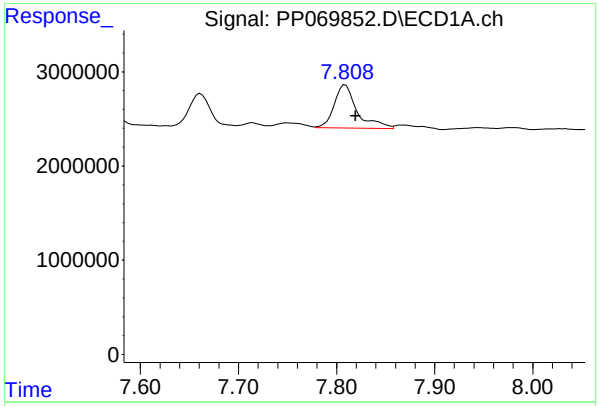
#29 AR-1254-4

R.T.: 7.392 min
Delta R.T.: -0.011 min
Response: 8381645
Conc: 122.92 ng/ml



#29 AR-1254-4

R.T.: 6.508 min
Delta R.T.: -0.015 min
Response: 5968749
Conc: 116.46 ng/ml m



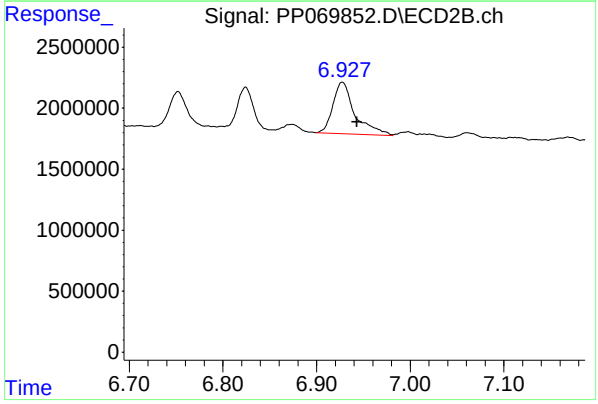
#30 AR-1254-5

R.T.: 7.809 min
Delta R.T.: -0.011 min
Response: 7460332
Conc: 109.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-07-021725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: -0.016 min
Response: 6842361
Conc: 102.80 ng/ml

Raw Data: **PP069853.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069853.D	1	02/19/25 08:10	02/19/25 18:24	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.70	8.90	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.70	8.90	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.3		44 - 130		126%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 125		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

Quantitation Report (QT Reviewed)

Sample Results: **PP069853.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:24
Operator : YP\AJ
Sample : Q1382-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-08-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	36201481	21956342	25.290	24.600m
2)	SA Decachlor...	10.251	8.888	21587474	22015312	19.752	19.683
	Target Compounds						

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

Sample Results: **PP069853.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:24
Operator : YP\AJ
Sample : Q1382-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

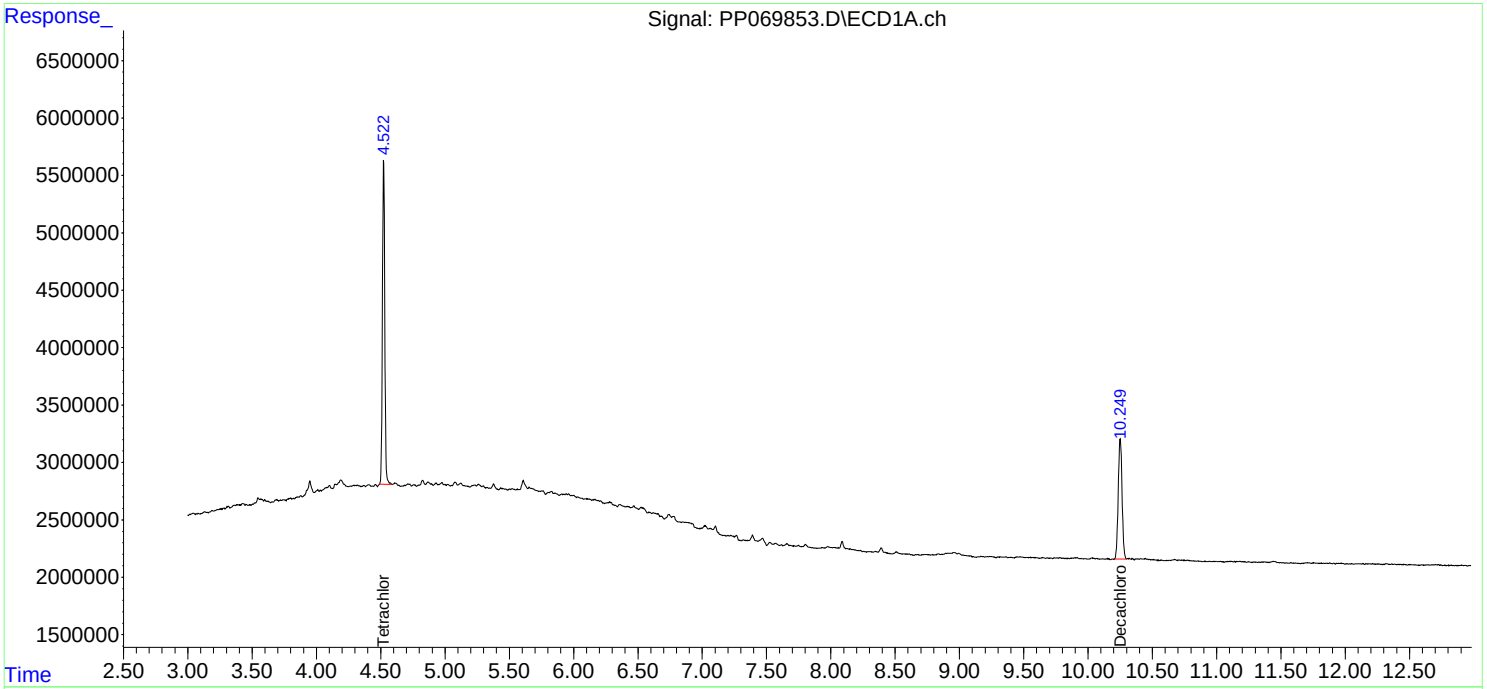
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-08-021725

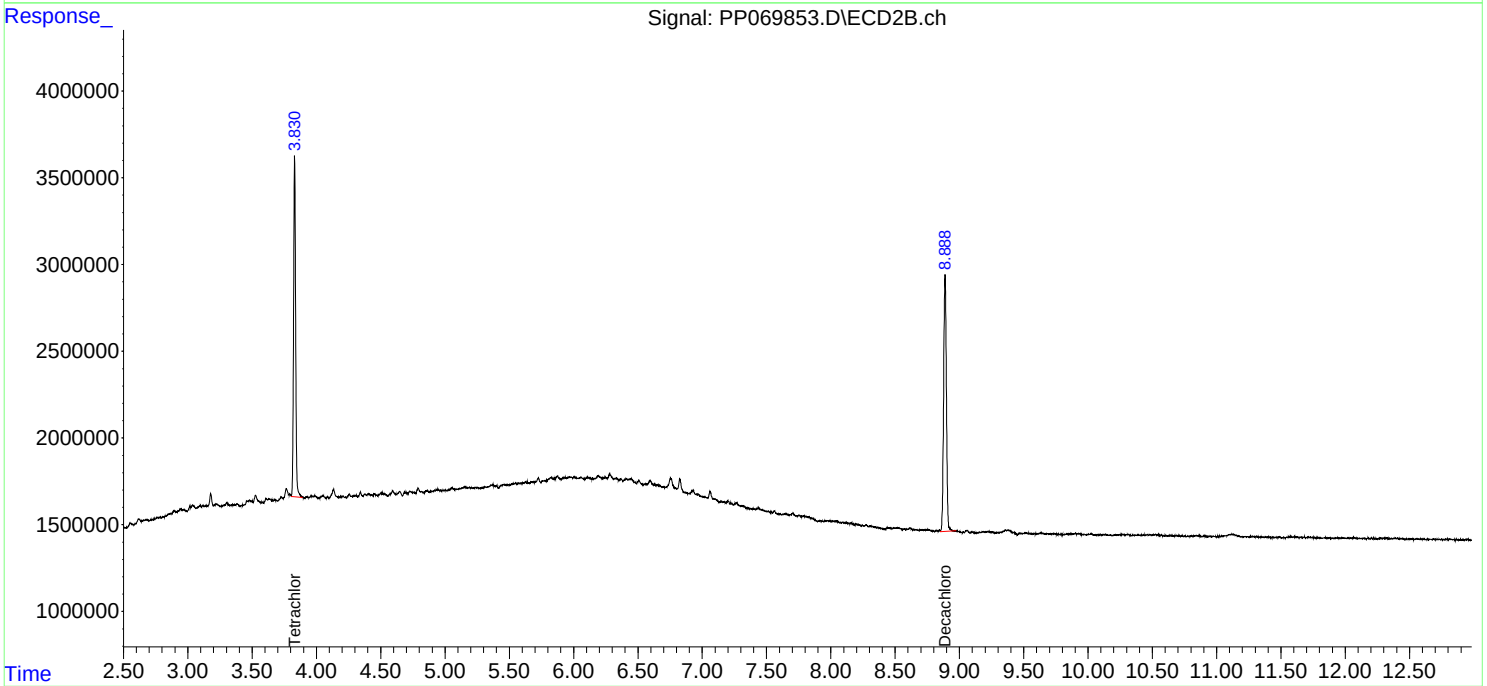
Manual Integrations APPROVED

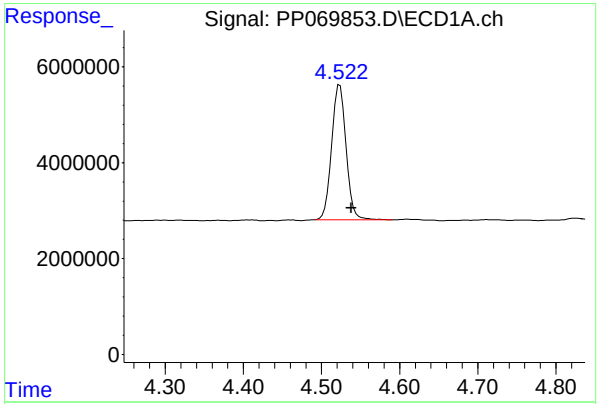
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







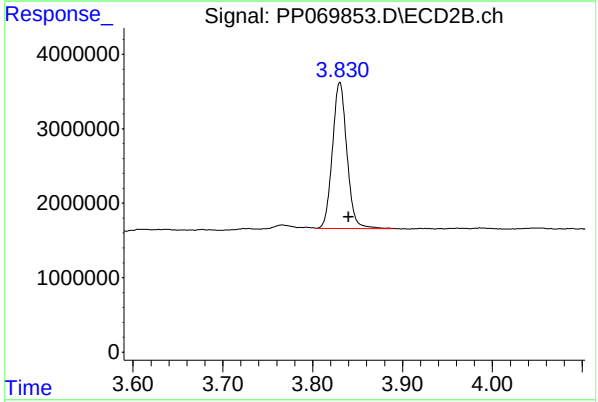
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 36201481
Conc: 25.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-08-021725

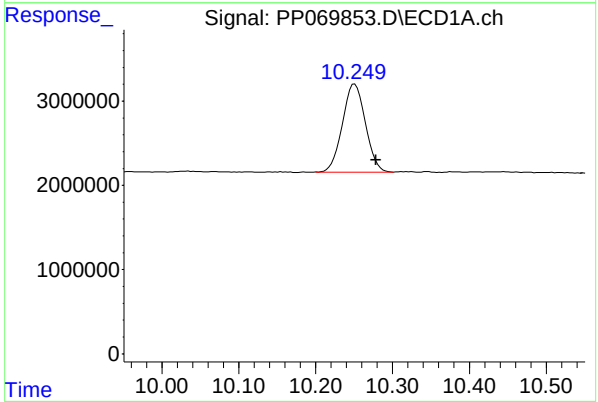
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



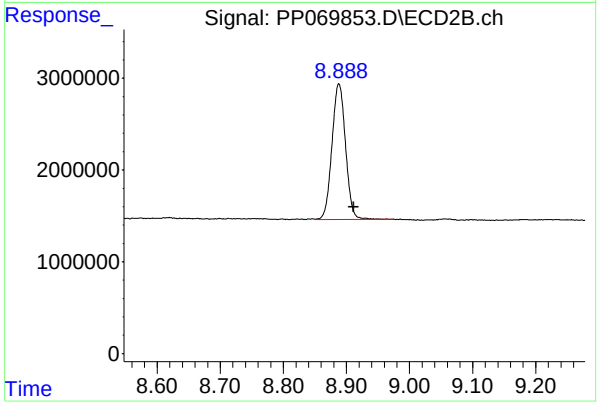
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 21956342
Conc: 24.60 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.028 min
Response: 21587474
Conc: 19.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 22015312
Conc: 19.68 ng/ml

Raw Data: **PP069854.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069854.D	1	02/19/25 08:10	02/19/25 18:40	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.4		44 - 130		122%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 125		102%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP069854.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:40
Operator : YP\AJ
Sample : Q1382-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-09-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	34729947	21791333	24.262	24.415m
2)	SA Decachlor...	10.253	8.888	21825769	22779523	19.971	20.366
	Target Compounds						

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

Sample Results: **PP069854.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:40
Operator : YP\AJ
Sample : Q1382-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

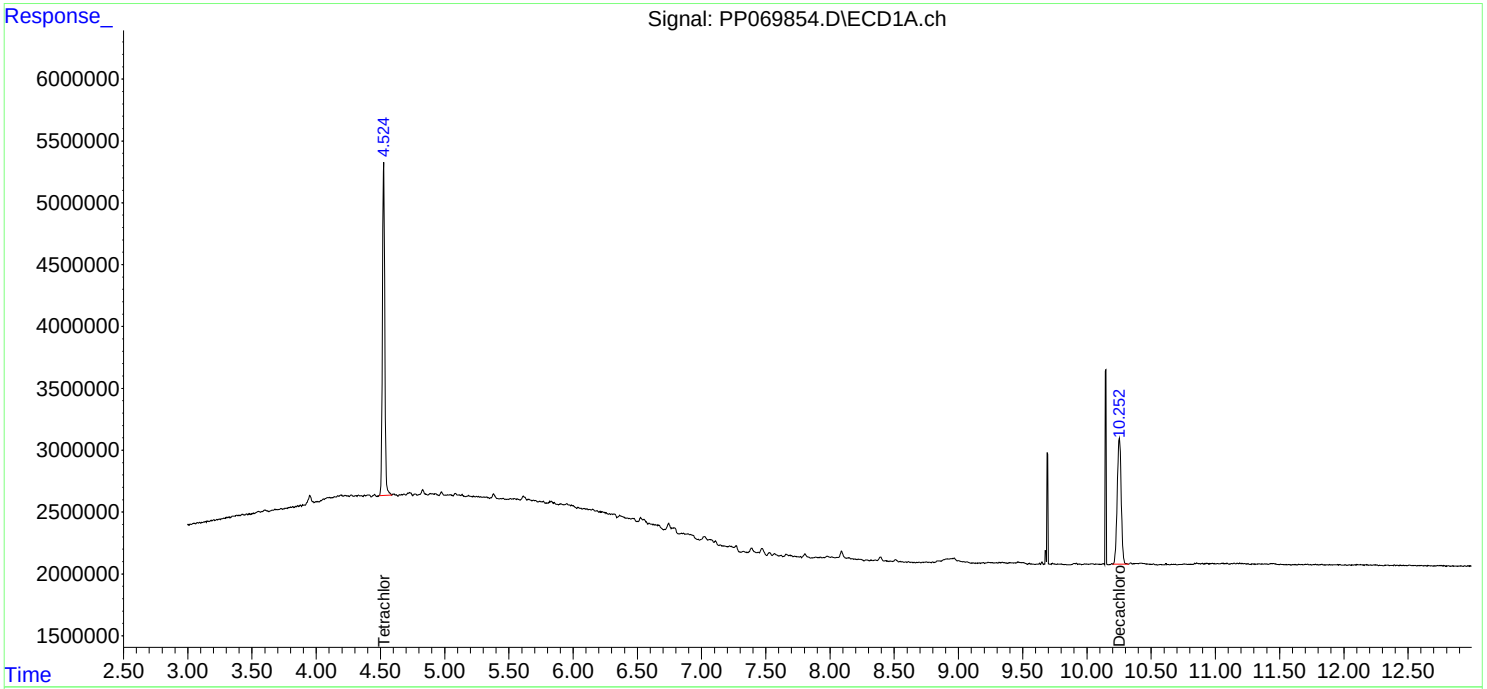
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-09-021725

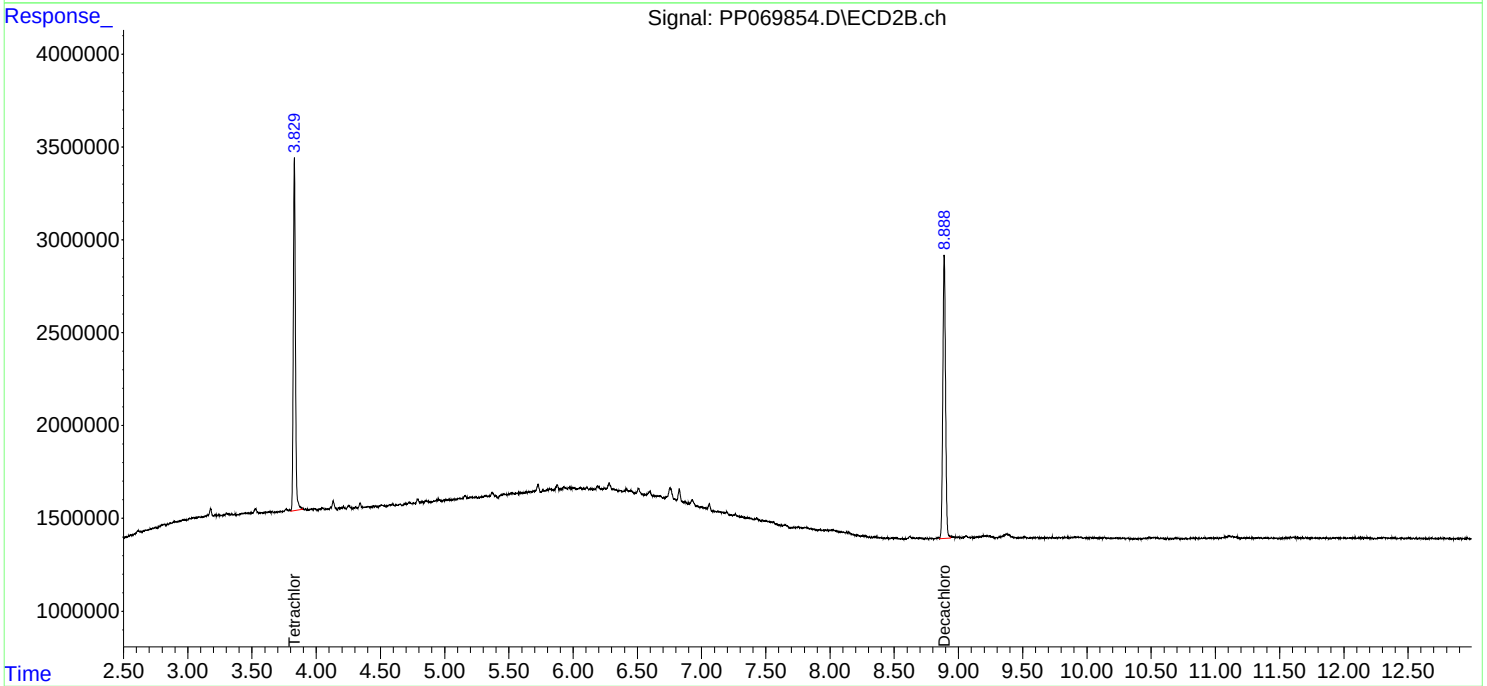
Manual Integrations APPROVED

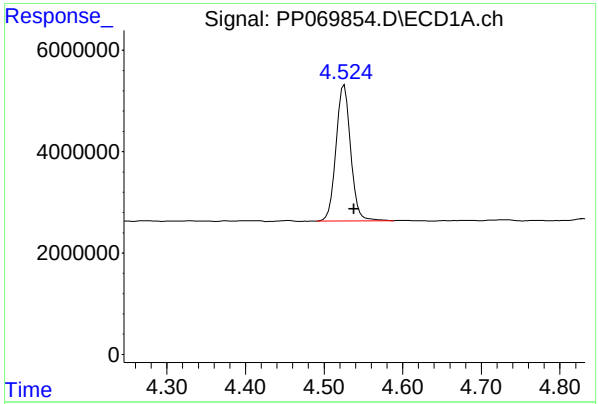
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:26:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







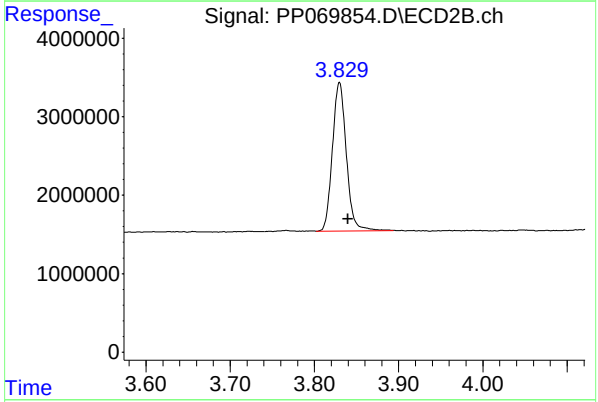
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 34729947
Conc: 24.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-09-021725

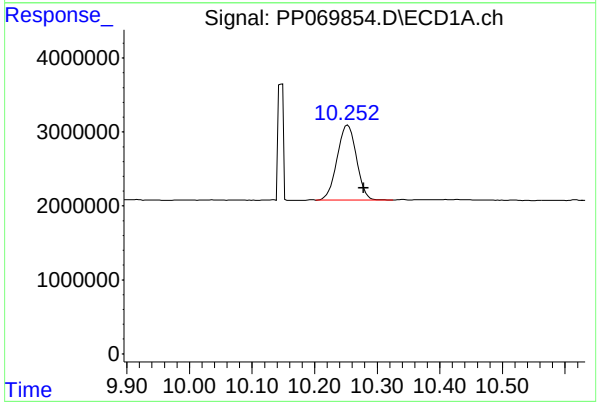
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



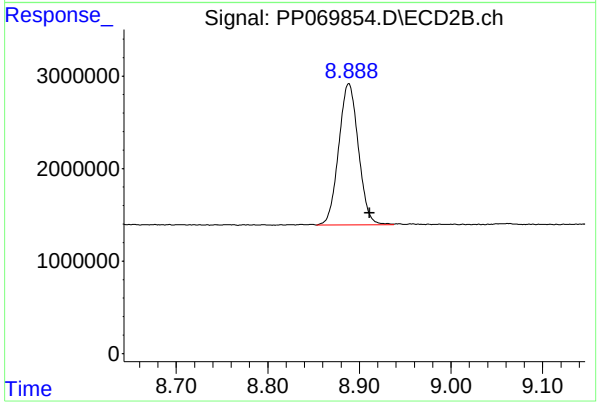
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 21791333
Conc: 24.41 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 21825769
Conc: 19.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 22779523
Conc: 20.37 ng/ml

Raw Data: **PP069855.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069855.D	1	02/19/25 08:10	02/19/25 18:57	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.60	8.90	18.2	ug/kg
11104-28-2	Aroclor-1221	13.9	U	6.80	13.9	18.2	ug/kg
11141-16-5	Aroclor-1232	13.9	U	3.60	13.9	18.2	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.60	8.90	18.2	ug/kg
12672-29-6	Aroclor-1248	13.9	U	8.40	13.9	18.2	ug/kg
11097-69-1	Aroclor-1254	13.9	U	2.90	13.9	18.2	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.2	ug/kg
11100-14-4	Aroclor-1268	13.9	U	3.70	13.9	18.2	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.1	*	44 - 130		136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.7		60 - 125		118%	SPK: 20

Comments:

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

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

Sample Results: **PP069855.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:57
Operator : YP\AJ
Sample : Q1382-19
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-10-021725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	38820797	24068164	27.119	26.966m
2)	SA Decachlor...	10.249	8.889	25890675	24687478	23.690	22.072
	Target Compounds						

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

Sample Results: **PP069855.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:57
Operator : YP\AJ
Sample : Q1382-19
Misc :
ALS Vial : 25 Sample Multiplier: 1

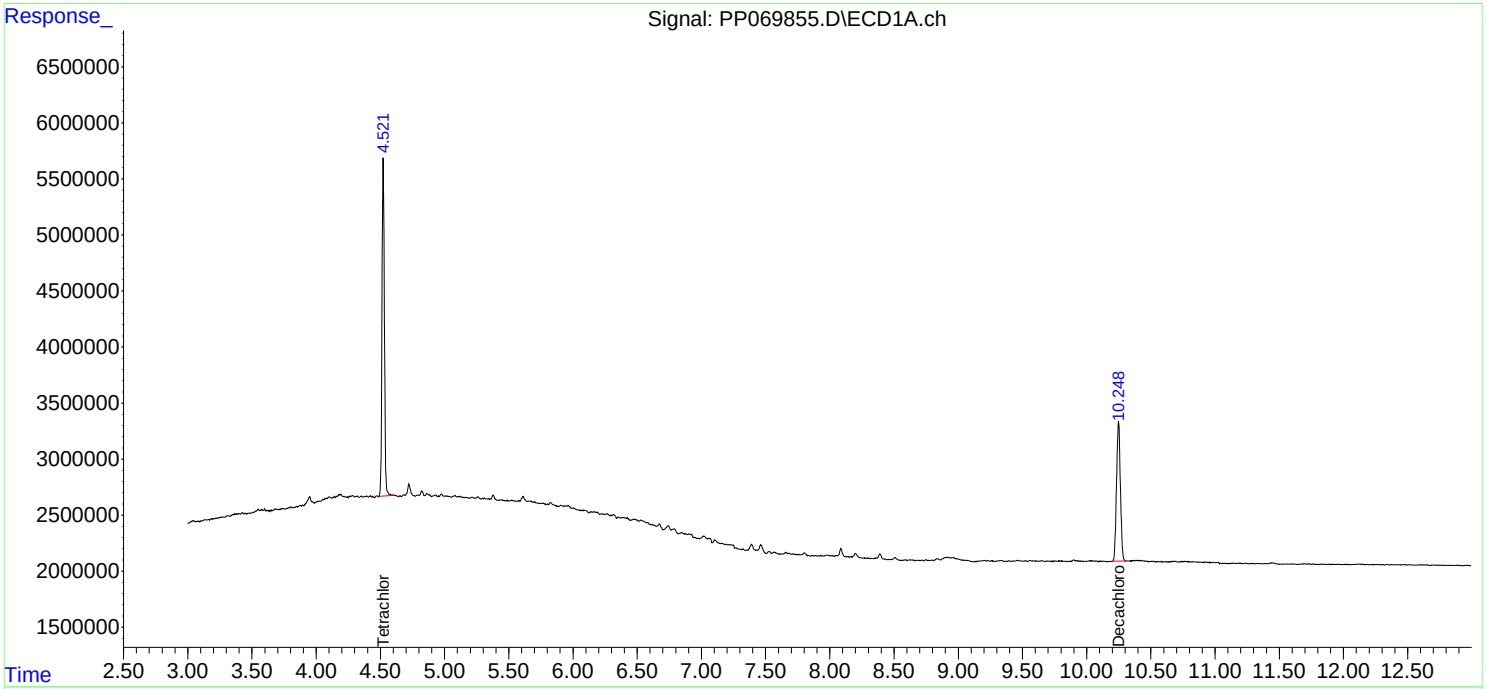
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-10-021725

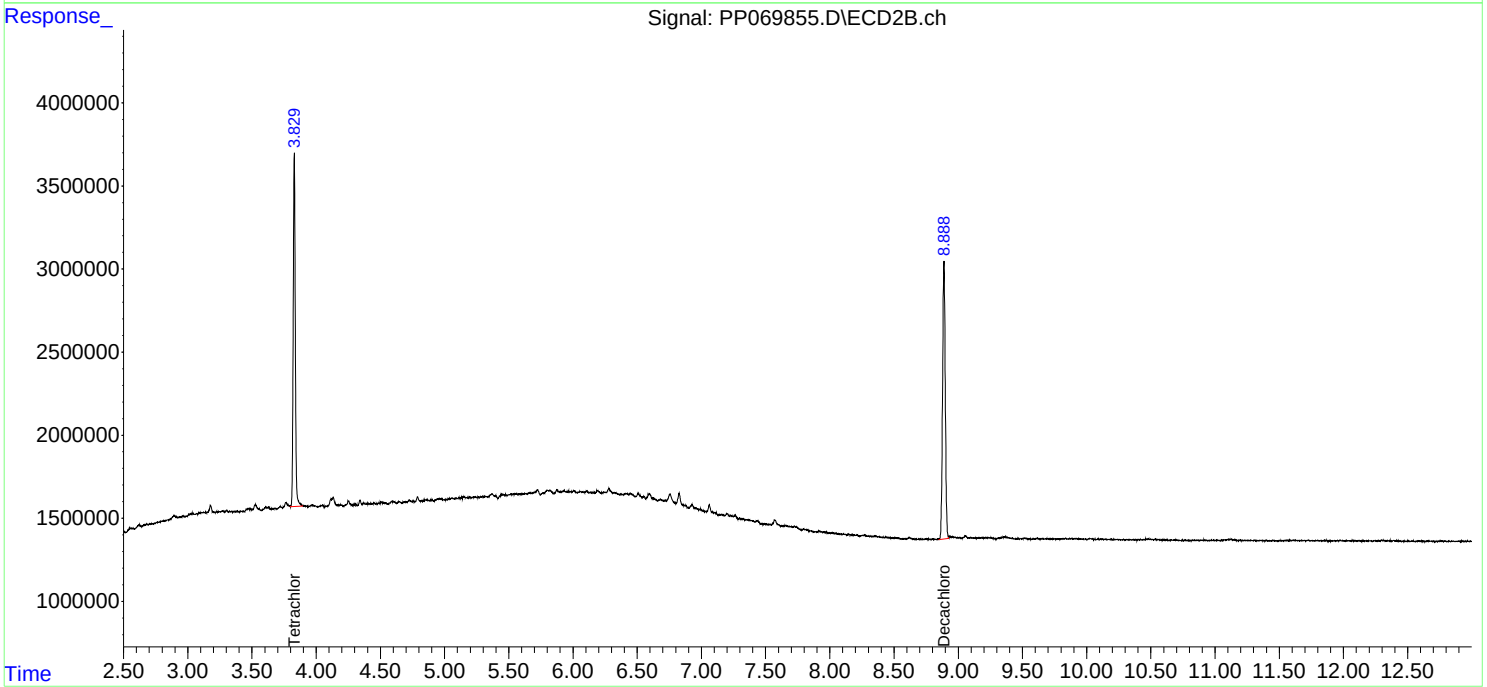
Manual Integrations APPROVED

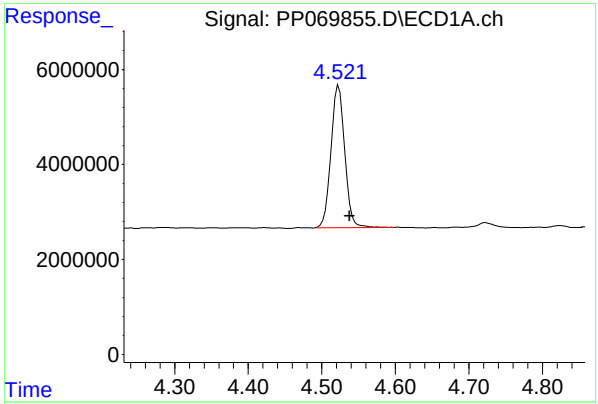
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







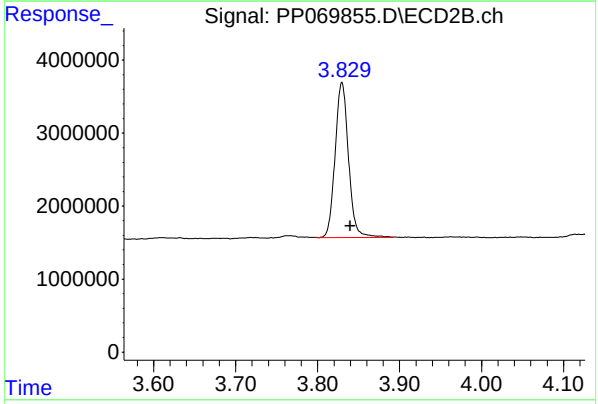
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 38820797
Conc: 27.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-10-021725

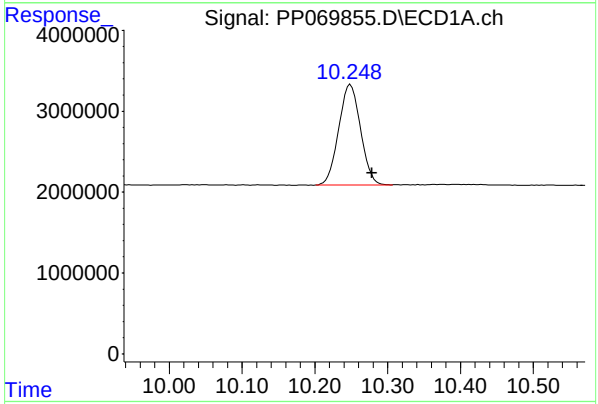
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



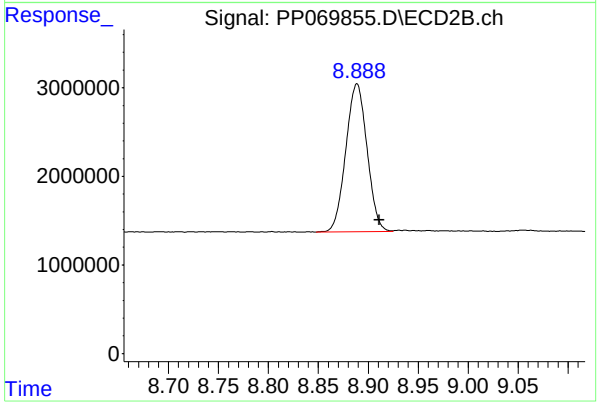
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24068164
Conc: 26.97 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.030 min
Response: 25890675
Conc: 23.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 24687478
Conc: 22.07 ng/ml

Raw Data: **PP069937.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-19RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069937.D	1	02/19/25 08:10	02/20/25 22:49	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.60	8.90	18.2	ug/kg
11104-28-2	Aroclor-1221	13.9	U	6.80	13.9	18.2	ug/kg
11141-16-5	Aroclor-1232	13.9	U	3.60	13.9	18.2	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.60	8.90	18.2	ug/kg
12672-29-6	Aroclor-1248	13.9	U	8.40	13.9	18.2	ug/kg
11097-69-1	Aroclor-1254	13.9	U	2.90	13.9	18.2	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.2	ug/kg
11100-14-4	Aroclor-1268	13.9	U	3.70	13.9	18.2	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.9	*	44 - 130		140%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.8		60 - 125		124%	SPK: 20

Comments:

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

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

Sample Results: **PP069937.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:49
Operator : YP\AJ
Sample : Q1382-19RE
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-10-021725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:56:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	39937883	24063874	27.900	26.961m
2)	SA Decachlor...	10.252	8.887	27146681	27216683	24.839	24.334
	Target Compounds						

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

Sample Results: **PP069937.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:49
Operator : YP\AJ
Sample : Q1382-19RE
Misc :
ALS Vial : 27 Sample Multiplier: 1

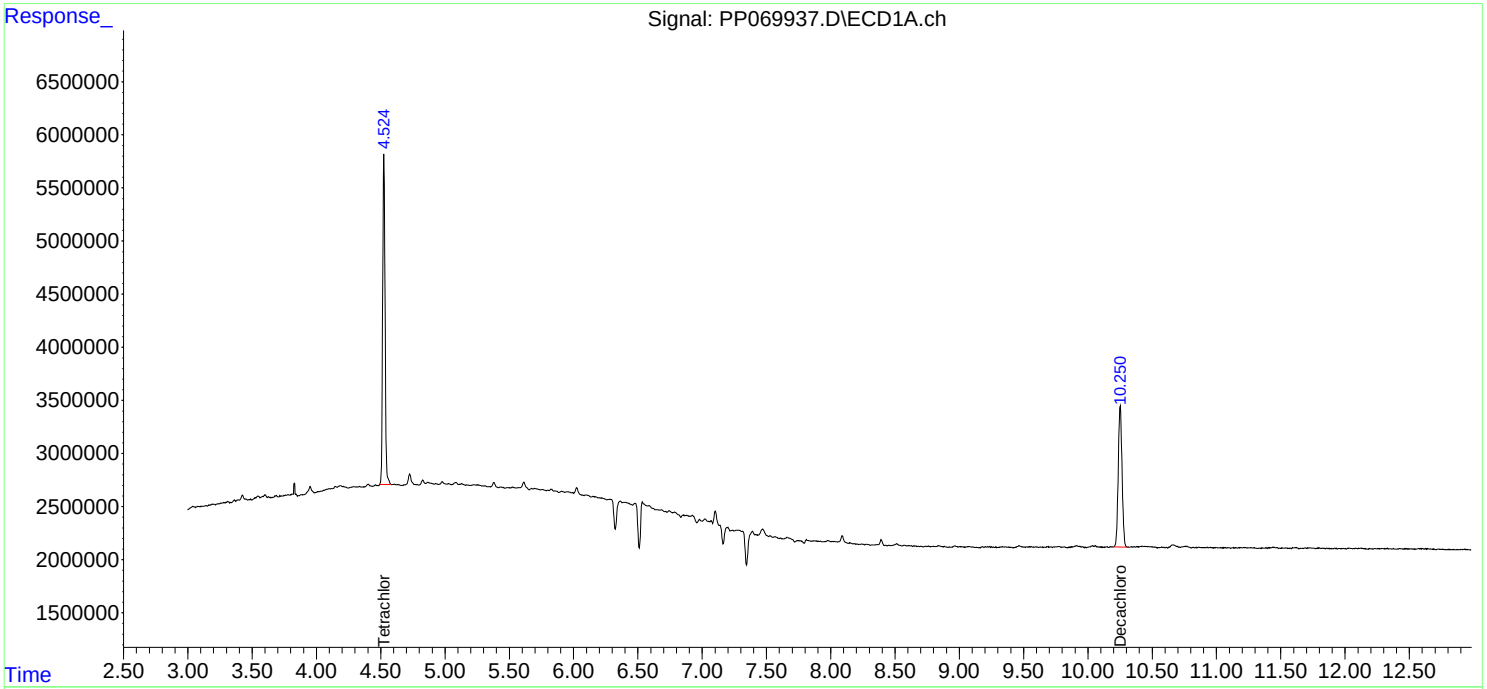
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-10-021725RE

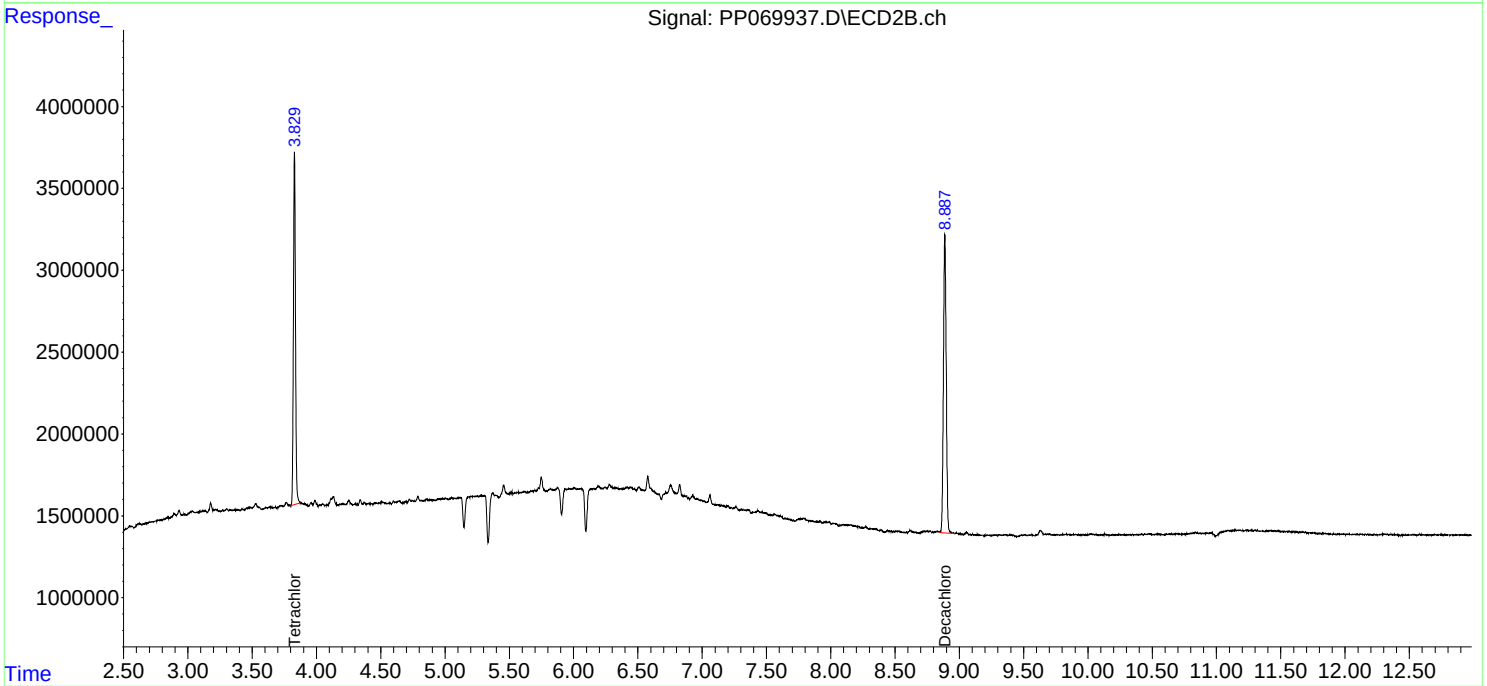
Manual Integrations APPROVED

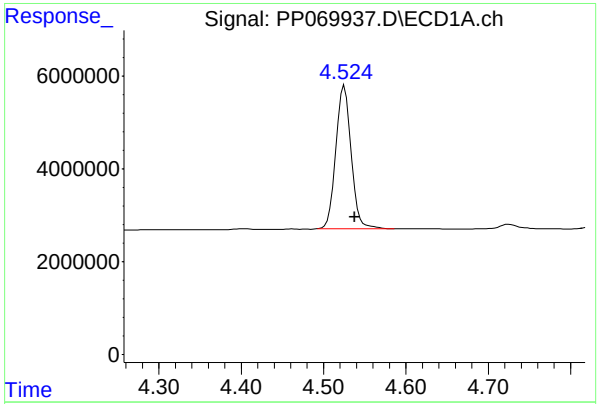
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:56:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-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.: -0.013 mi
Response: 39937883
Conc: 27.90 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-10-021725RE

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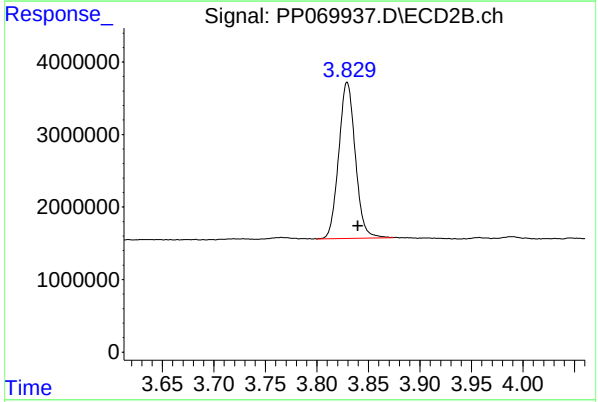
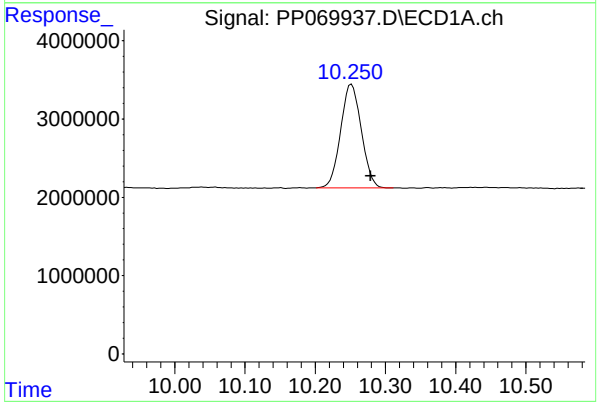


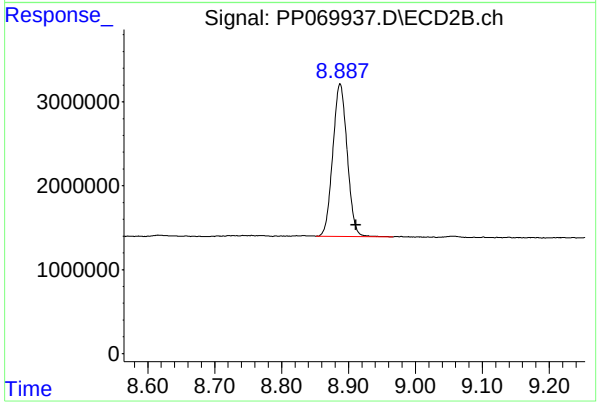
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24063874
Conc: 26.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.027 min
Response: 27146681
Conc: 24.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 27216683
Conc: 24.33 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: RT 1000 = PP069265.D RT 750 = PP069266.D

RT 500 = PP069267.D RT 250 = PP069268.D RT 050 = PP069269.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1016-3	(3)	5.78	5.77	5.78	5.77	5.78	5.78	5.68	5.88
Aroclor-1016-4	(4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1016-5	(5)	6.17	6.17	6.17	6.16	6.17	6.17	6.07	6.27
Aroclor-1260-1	(1)	7.29	7.29	7.29	7.28	7.29	7.29	7.19	7.39
Aroclor-1260-2	(2)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1260-3	(3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1260-4	(4)	8.12	8.12	8.13	8.12	8.12	8.12	8.02	8.22
Aroclor-1260-5	(5)	8.45	8.45	8.45	8.44	8.45	8.45	8.35	8.55
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.53	4.54	4.54	4.44	4.64
Aroclor-1242-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1242-3	(3)	5.78	5.78	5.77	5.78	5.77	5.78	5.68	5.88
Aroclor-1242-4	(4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1242-5	(5)	6.61	6.60	6.60	6.61	6.60	6.60	6.50	6.70
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1248-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1248-2	(2)	5.96	5.96	5.97	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-3	(3)	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1248-4	(4)	6.57	6.56	6.57	6.56	6.57	6.57	6.47	6.67
Aroclor-1248-5	(5)	6.60	6.60	6.61	6.60	6.60	6.60	6.50	6.70
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1254-1	(1)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1254-2	(2)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-3	(3)	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
Aroclor-1254-4	(4)	7.40	7.41	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1254-5	(5)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.53	4.54	4.54	4.54	4.44	4.64
Aroclor-1268-1	(1)	8.76	8.76	8.76	8.78	8.76	8.77	8.67	8.87
Aroclor-1268-2	(2)	8.86	8.86	8.86	8.87	8.86	8.86	8.76	8.96
Aroclor-1268-3	(3)	9.09	9.09	9.09	9.11	9.09	9.10	9.00	9.20
Aroclor-1268-4	(4)	9.51	9.51	9.51	9.53	9.51	9.51	9.41	9.61
Aroclor-1268-5	(5)	9.93	9.94	9.93	9.95	9.93	9.94	9.84	10.04

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.28	10.28	10.28	10.29	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene	4.54	4.54	4.54	4.55	4.54	4.54	4.44	4.64

Raw Data

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: RT 1000 = PP069265.D RT 750 = PP069266.D

RT 500 = PP069267.D RT 250 = PP069268.D RT 050 = PP069269.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1016-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-3	(3)	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Aroclor-1016-4	(4)	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Aroclor-1016-5	(5)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1260-1	(1)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-2	(2)	6.62	6.62	6.62	6.62	6.61	6.62	6.52	6.72
Aroclor-1260-3	(3)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1260-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1260-5	(5)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1242-1	(1)	4.93	4.93	4.94	4.93	4.93	4.93	4.83	5.03
Aroclor-1242-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-3	(3)	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Aroclor-1242-4	(4)	5.21	5.22	5.22	5.21	5.22	5.22	5.12	5.32
Aroclor-1242-5	(5)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1248-1	(1)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1248-2	(2)	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Aroclor-1248-3	(3)	5.22	5.22	5.22	5.21	5.22	5.22	5.12	5.32
Aroclor-1248-4	(4)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1248-5	(5)	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1254-1	(1)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1254-2	(2)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1254-3	(3)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-4	(4)	6.52	6.53	6.52	6.53	6.53	6.52	6.42	6.62
Aroclor-1254-5	(5)	6.94	6.95	6.94	6.94	6.94	6.94	6.84	7.04
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1268-1	(1)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-2	(2)	7.83	7.83	7.83	7.83	7.83	7.83	7.73	7.93
Aroclor-1268-3	(3)	8.04	8.04	8.04	8.04	8.04	8.04	7.94	8.14
Aroclor-1268-4	(4)	8.34	8.34	8.34	8.34	8.34	8.34	8.24	8.44
Aroclor-1268-5	(5)	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene	3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94

Raw Data

Alliance TECHNICAL GROUP

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: **CF 1000 =** PP069265.D **CF 750 =** PP069266.D

CF 500 = PP069267.D **CF 250 =** PP069268.D **CF 050 =** PP069269.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	44563885	46103675	49194740	50253212	41549440	46332990	8
Aroclor-1016-2	(2)	66115347	69779753	70658198	75938800	56893880	67877196	10
Aroclor-1016-3	(3)	39869399	41463369	44413634	48593324	38643280	42596601	9
Aroclor-1016-4	(4)	33707176	35303807	36719774	37971988	31299580	35000465	7
Aroclor-1016-5	(5)	32090736	33824409	35071540	36758492	27547540	33058543	11
Aroclor-1260-1	(1)	55810838	58374851	61327242	65126844	51541560	58436267	9
Aroclor-1260-2	(2)	71849008	75229505	78748522	85337848	77899600	77812897	6
Aroclor-1260-3	(3)	59639386	62129519	64349302	69276732	57201340	62519256	7
Aroclor-1260-4	(4)	61734973	64735973	67542400	73350432	62520020	65976760	7
Aroclor-1260-5	(5)	125094433	130279153	135629934	144497620	119128460	130925920	7
Decachlorobiphenyl		1069166160	1116444307	1169529200	1243495760	865856800	1092898445	13
Tetrachloro-m-xylene		1430473260	1473828093	1522470140	1571078520	1159551800	1431480363	11
Aroclor-1242-1	(1)	38881934	40183667	43367056	45129572	40964140	41705274	6
Aroclor-1242-2	(2)	57026747	57896231	62116710	63798460	54116520	58990934	7
Aroclor-1242-3	(3)	35212135	35868905	39015138	40586632	34810280	37098618	7
Aroclor-1242-4	(4)	29733477	30521513	32725012	34827232	36166060	32794659	8
Aroclor-1242-5	(5)	31146343	32194257	34488024	36289728	28803300	32584330	9
Decachlorobiphenyl		1046199870	1081727787	1138401280	1175392440	940280400	1076400355	8
Tetrachloro-m-xylene		1435254920	1458364720	1537301860	1551717280	1142408000	1425009356	12
Aroclor-1248-1	(1)	29720774	31068636	32496050	36489328	32420520	32439062	8
Aroclor-1248-2	(2)	40031392	40786873	43476982	45978940	41957800	42446397	6
Aroclor-1248-3	(3)	44249426	45321484	48274812	49262872	47827180	46987155	4
Aroclor-1248-4	(4)	52361428	54561383	58048758	58995000	51639900	55121294	6
Aroclor-1248-5	(5)	50435355	52347879	55697774	57690052	50747900	53383792	6
Decachlorobiphenyl		1037639180	1069858813	1128342940	1177314960	1004783400	1083587859	6
Tetrachloro-m-xylene		1397850760	1441113413	1513274920	1556018920	1233936200	1428438843	9
Aroclor-1254-1	(1)	52694329	56123723	55956580	61395668	63148280	57863716	7
Aroclor-1254-2	(2)	75242428	80121392	80560264	87256592	78028640	80241863	6
Aroclor-1254-3	(3)	78719981	83731985	84853004	89742068	84395060	84288420	5
Aroclor-1254-4	(4)	63293404	67680445	70564640	73119196	66281540	68187845	6
Aroclor-1254-5	(5)	65136323	67898099	69017528	74762784	63416000	68046147	6
Decachlorobiphenyl		1048312770	1098692147	1135082800	1189137760	958537000	1085952495	8
Tetrachloro-m-xylene		1421810410	1488698480	1487019120	1532331840	1227018400	1431375650	8
Aroclor-1268-1	(1)	176588317	184780069	192785674	202822560	125915500	176578424	17

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	157019138	164413571	171697424	179175396	114552180	157371542	16
Aroclor-1268-3	(3)	134437818	140375337	146778962	154508480	92538920	133727903	18
Aroclor-1268-4	(4)	59595033	62280167	64687112	67890812	39150760	58720777	19
Aroclor-1268-5	(5)	388908034	403290352	414501270	436451084	261335260	380897200	18
Decachlorobiphenyl		1754282940	1839272453	1920856020	2033075320	1195912000	1748679747	19
Tetrachloro-m-xylene		1417405090	1481109080	1537248520	1587731960	907526000	1386204130	20

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: **CF 1000 =** PP069265.D **CF 750 =** PP069266.D

CF 500 = PP069267.D **CF 250 =** PP069268.D **CF 050 =** PP069269.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31633685	33556627	33480936	37954972	26448920	32615028	13
Aroclor-1016-2	(2)	44031797	46303903	46946506	51687136	35822760	44958420	13
Aroclor-1016-3	(3)	24261336	25813949	25589188	28587740	20167700	24883983	12
Aroclor-1016-4	(4)	19438184	20660733	21000612	23487460	16394360	20196270	13
Aroclor-1016-5	(5)	25297814	26477140	27113278	31243672	23987600	26823901	10
Aroclor-1260-1	(1)	45562804	49216963	49245668	55739104	41383080	48229524	11
Aroclor-1260-2	(2)	56383179	60514057	62488844	68895184	58237140	61303681	8
Aroclor-1260-3	(3)	52562549	57114871	56932784	65734744	68437200	60156430	11
Aroclor-1260-4	(4)	44924385	48584991	47607396	54330272	36891520	46467713	14
Aroclor-1260-5	(5)	110513786	116112688	112600456	126598028	89900460	111145084	12
Decachlorobiphenyl		1081648740	1075757973	1104259920	1329032280	1001721800	1118484143	11
Tetrachloro-m-xylene		895719350	929032907	946597040	991735040	699610200	892538907	13
Aroclor-1242-1	(1)	28457446	29119925	30117864	31061644	25403260	28832028	7
Aroclor-1242-2	(2)	39820013	39941537	41764664	42385248	33077260	39397744	9
Aroclor-1242-3	(3)	22243475	22254861	23816158	23489144	20716780	22504084	5
Aroclor-1242-4	(4)	21211563	21374985	23120084	22340476	19864100	21582242	6
Aroclor-1242-5	(5)	28383043	28234200	30402778	30060424	26761400	28768369	5
Decachlorobiphenyl		1070572940	1042369120	1225620920	1172941720	1058329800	1113966900	7
Tetrachloro-m-xylene		948008600	922176493	1006063320	982881880	776172200	927060499	10
Aroclor-1248-1	(1)	21330255	20853876	23185376	25262184	19421120	22010562	10
Aroclor-1248-2	(2)	28324001	27797971	30327126	34009348	29864480	30064585	8
Aroclor-1248-3	(3)	29601440	28764189	31580800	34840008	30135060	30984299	8
Aroclor-1248-4	(4)	35306028	34213227	37879582	41180744	36138900	36943696	7
Aroclor-1248-5	(5)	36064443	35808685	37834928	42037920	35201060	37389407	7
Decachlorobiphenyl		980404060	959895520	1126421340	1202320960	1104048600	1074618096	10
Tetrachloro-m-xylene		933404290	928217333	964099100	1014391000	824892400	933000825	7
Aroclor-1254-1	(1)	53877397	54753924	53404230	60667048	52576380	55055796	6
Aroclor-1254-2	(2)	46864995	47439047	46558300	52821560	48160120	48368804	5
Aroclor-1254-3	(3)	74986178	74525173	75336702	83772976	70859440	75896094	6
Aroclor-1254-4	(4)	49801197	49979288	49838494	57136496	49493140	51249723	6
Aroclor-1254-5	(5)	65231257	66669389	67386324	74850464	58664800	66560447	9
Decachlorobiphenyl		1035199210	1139963307	1108865600	1276887280	1138306800	1139844439	8
Tetrachloro-m-xylene		952003350	962162200	938236480	997354800	818278400	933607046	7
Aroclor-1268-1	(1)	145329954	150069627	161518540	160247580	108445040	145122148	15

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	134157524	139030160	148727672	146560884	95601640	132815576	16
Aroclor-1268-3	(3)	115152122	117884433	127017896	124541824	84093360	113737927	15
Aroclor-1268-4	(4)	52741395	55225243	58789156	59095316	34538800	52077982	19
Aroclor-1268-5	(5)	368786226	384323936	391666930	381773968	254352080	356180628	16
Decachlorobiphenyl		1732023730	1823351800	1923257100	1922570920	1314788000	1743198310	14
Tetrachloro-m-xylene		921289540	958710907	983636500	1016257200	585968600	893172549	20

Raw Data

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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Instrument ID: ECD_P **Date(s) Analyzed:** 01/28/2025 01/28/2025

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	4.74	4.64	4.84	19019500
		2	4.82	4.72	4.92	13692500
		3	4.90	4.80	5.00	41943400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.90	4.80	5.00	33293600
		2	5.42	5.32	5.52	16342000
		3	5.71	5.61	5.81	34359000
		4	5.87	5.77	5.97	17816200
		5	5.96	5.86	6.06	11462400
Aroclor-1262	500	1	8.12	8.02	8.22	79018200
		2	8.45	8.35	8.55	152923000
		3	8.77	8.67	8.87	106280000
		4	8.85	8.75	8.95	81793000
		5	9.51	9.41	9.61	56610200

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Instrument ID: ECD_P **Date(s) Analyzed:** 01/28/2025 01/28/2025

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	4.05	3.95	4.15	12318000
		2	4.14	4.04	4.24	9683380
		3	4.22	4.12	4.32	29174200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.22	4.12	4.32	23479400
		2	4.95	4.85	5.05	23571800
		3	5.13	5.03	5.23	12947200
		4	5.21	5.11	5.31	11086300
		5	5.39	5.29	5.49	12210300
Aroclor-1262	500	1	6.98	6.88	7.08	71013200
		2	7.24	7.14	7.34	60979400
		3	7.77	7.67	7.87	52299200
		4	7.83	7.73	7.93	92436400
		5	8.34	8.24	8.44	47792200

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:37
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.537	3.840	143.0E6	89571935	96.885	97.257m
2)	SA Decachlor...	10.279	8.911	106.9E6	108.2E6	95.517	98.966
	Target Compounds						
3)	L1 AR-1016-1	5.691	4.934	44563885	31633685	950.609	971.631
4)	L1 AR-1016-2	5.712	4.953	66115347	44031797	966.786	967.963
5)	L1 AR-1016-3	5.775	5.131	39869399	24261336	946.084	973.363
6)	L1 AR-1016-4	5.872	5.172	33707176	19438184	957.224	961.363
7)	L1 AR-1016-5	6.166	5.388	32090736	25297814	955.618	965.361
31)	L7 AR-1260-1	7.286	6.428	55810838	45562804	952.907	961.155
32)	L7 AR-1260-2	7.540	6.616	71849008	56383179	954.186	948.637
33)	L7 AR-1260-3	7.899	6.771	59639386	52562549	962.013	960.087
34)	L7 AR-1260-4	8.124	7.244	61734973	44924385	955.078	971.004
35)	L7 AR-1260-5	8.445	7.484	125.1E6	110.5E6	959.591	990.648

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:37
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

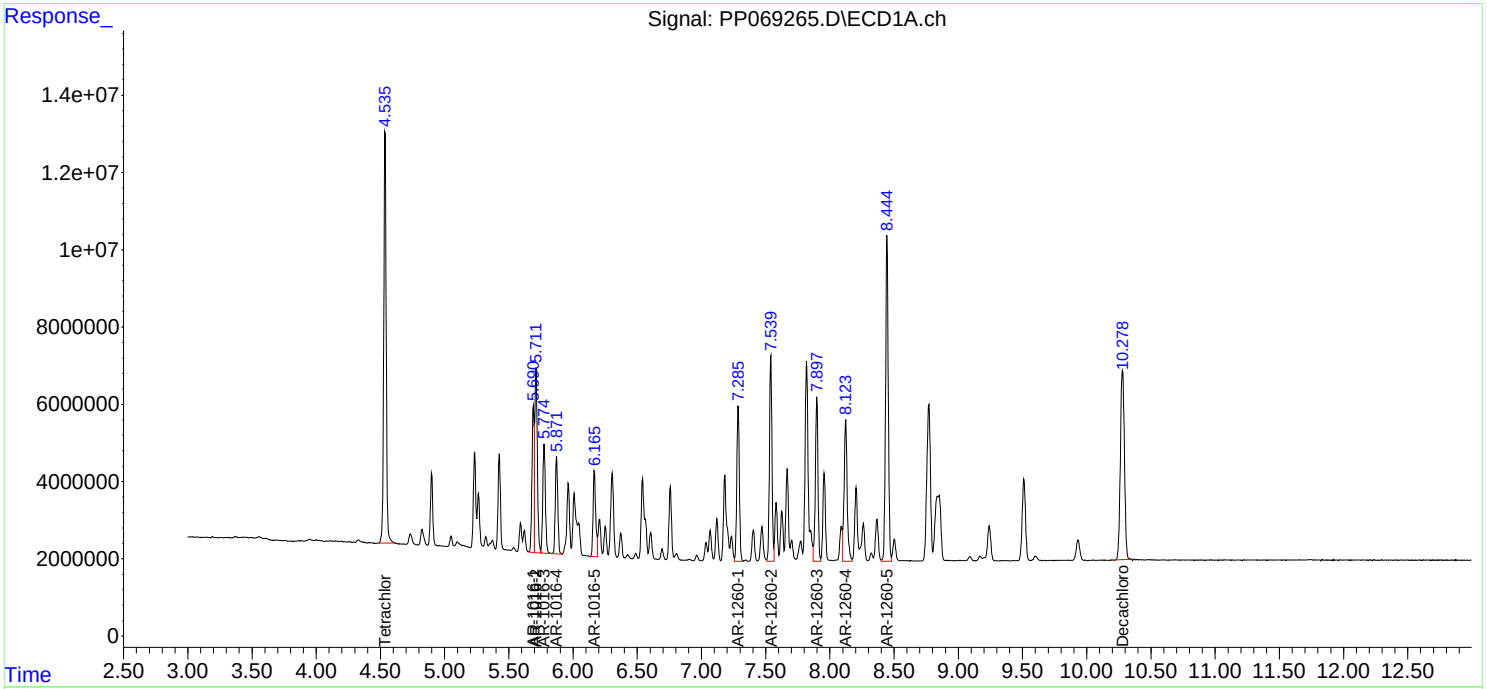
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

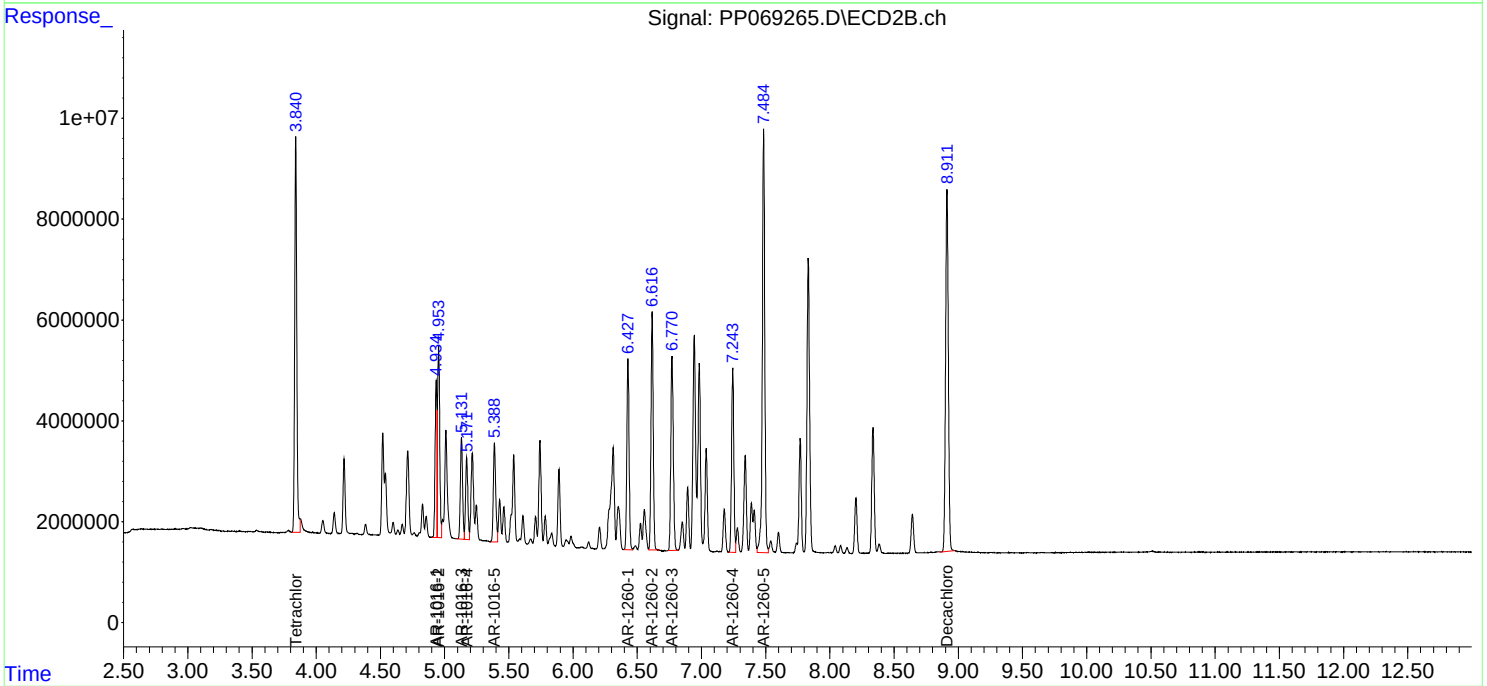
Manual Integrations APPROVED

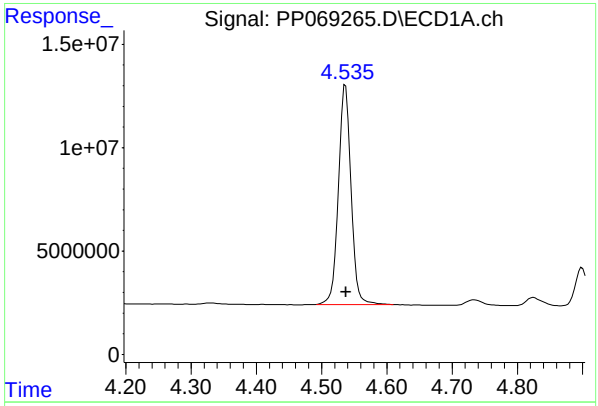
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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







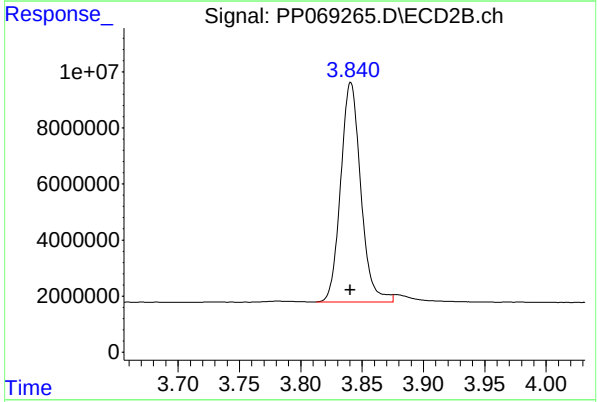
#1 Tetrachloro-m-xylene

R.T.: 4.537 min
Delta R.T.: 0.000 mi
Response: 143047326
Conc: 96.88 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

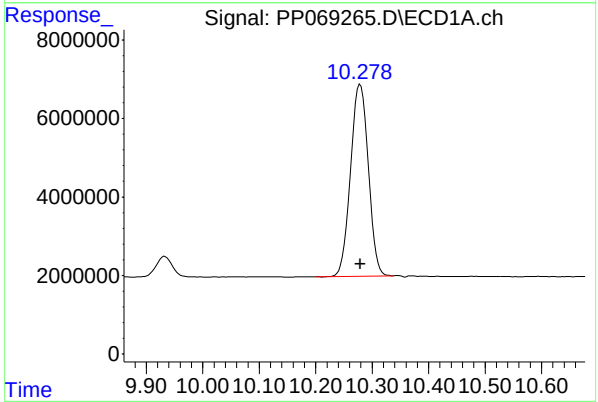
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



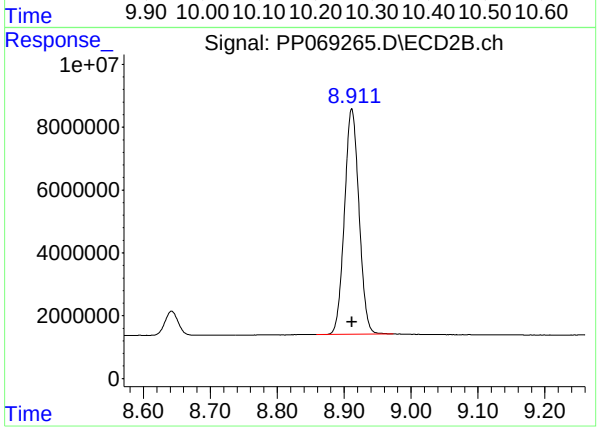
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 89571935
Conc: 97.26 ng/ml m



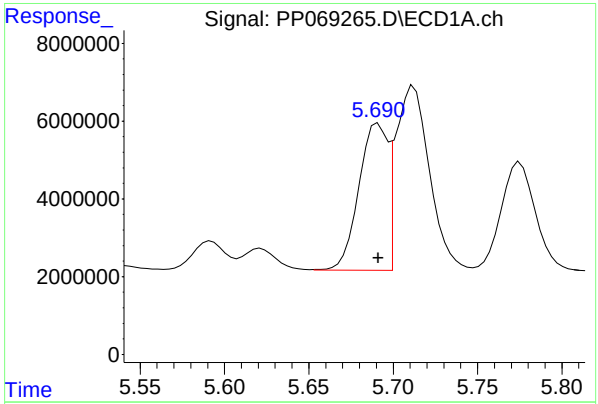
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 106916616
Conc: 95.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 108164874
Conc: 98.97 ng/ml



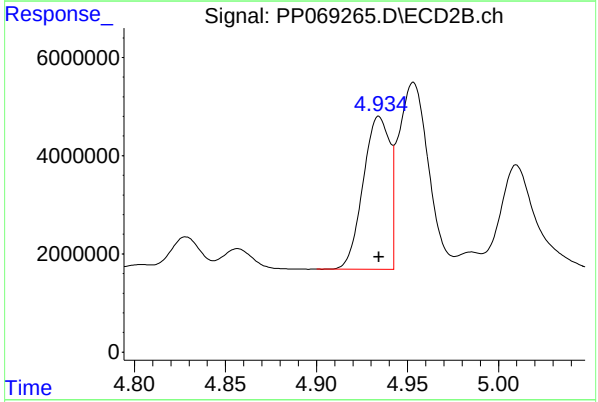
#3 AR-1016-1

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 44563885
Conc: 950.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

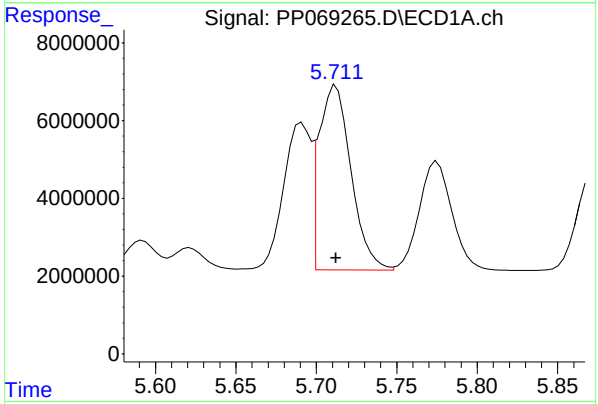
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



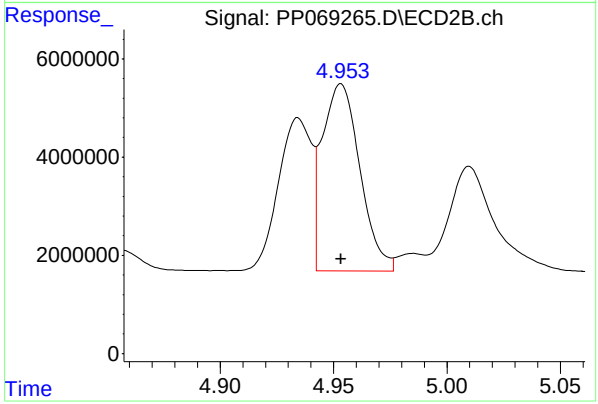
#3 AR-1016-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 31633685
Conc: 971.63 ng/ml



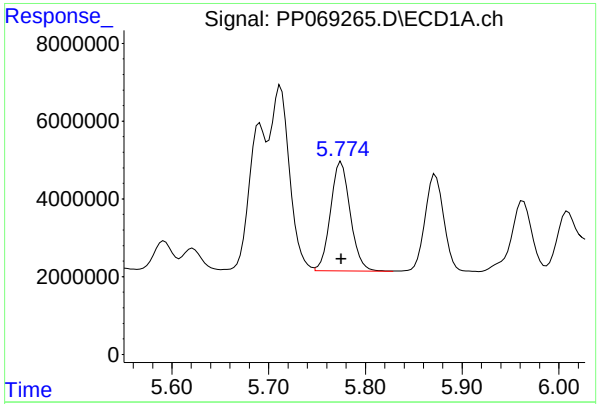
#4 AR-1016-2

R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 66115347
Conc: 966.79 ng/ml



#4 AR-1016-2

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 44031797
Conc: 967.96 ng/ml



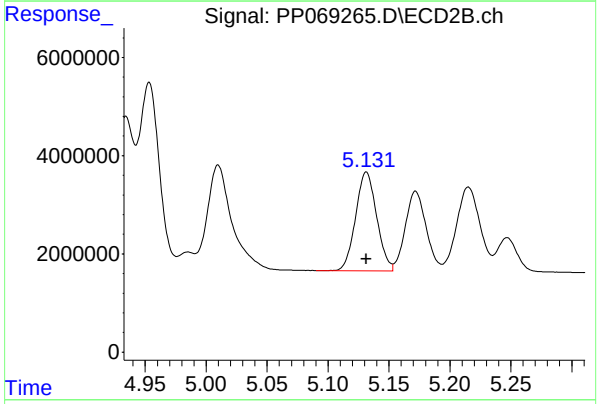
#5 AR-1016-3

R.T.: 5.775 min
Delta R.T.: 0.000 min
Response: 39869399
Conc: 946.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

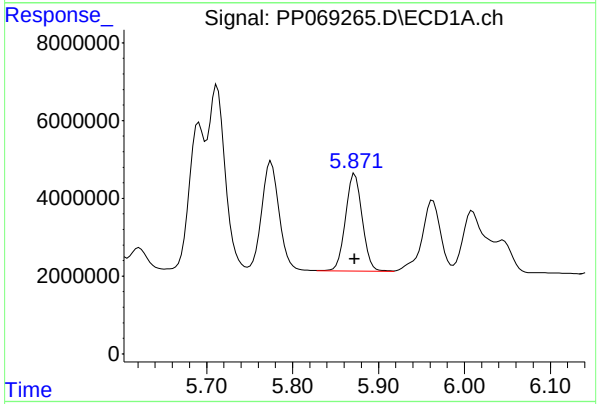
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



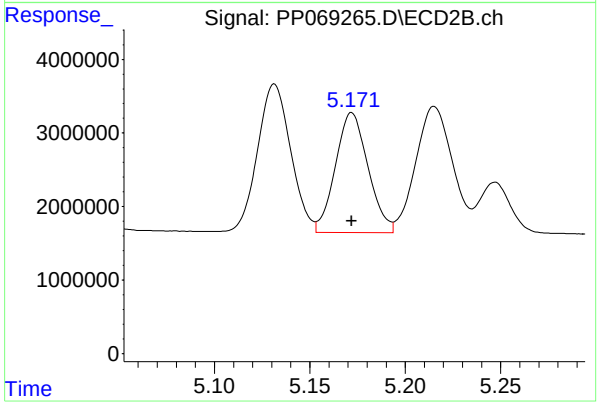
#5 AR-1016-3

R.T.: 5.131 min
Delta R.T.: 0.000 min
Response: 24261336
Conc: 973.36 ng/ml



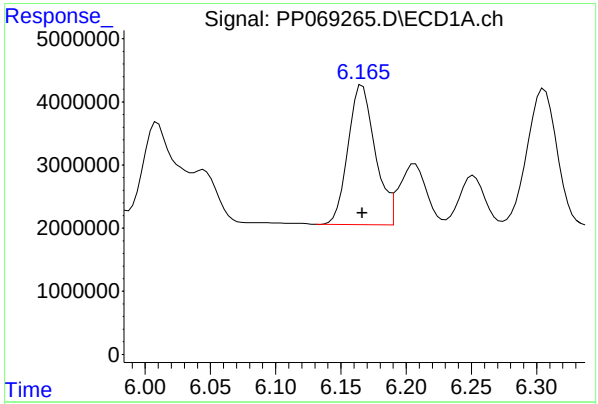
#6 AR-1016-4

R.T.: 5.872 min
Delta R.T.: 0.000 min
Response: 33707176
Conc: 957.22 ng/ml



#6 AR-1016-4

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 19438184
Conc: 961.36 ng/ml



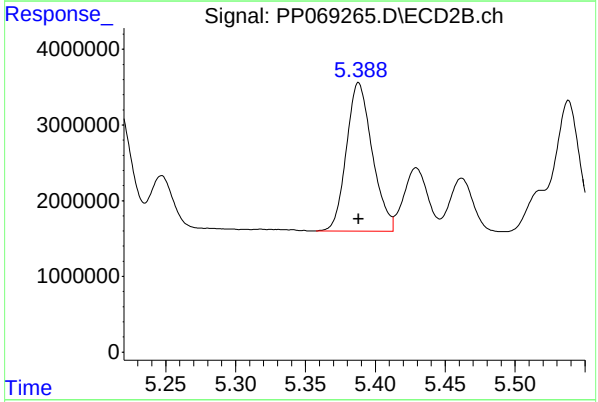
#7 AR-1016-5

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 32090736
Conc: 955.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

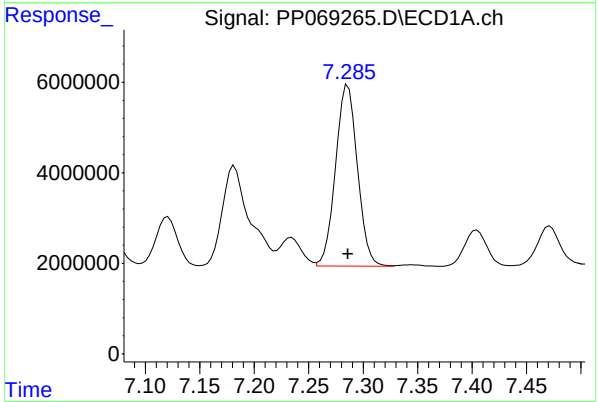
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



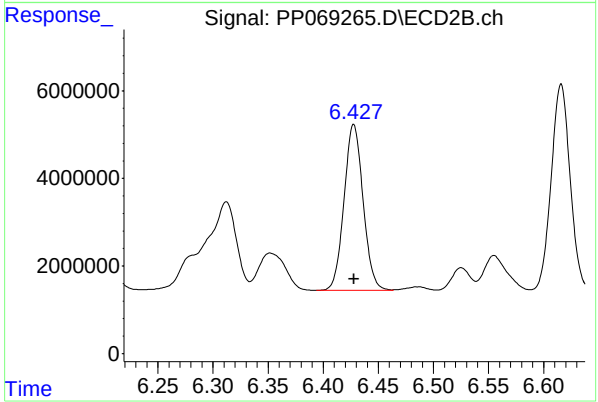
#7 AR-1016-5

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 25297814
Conc: 965.36 ng/ml



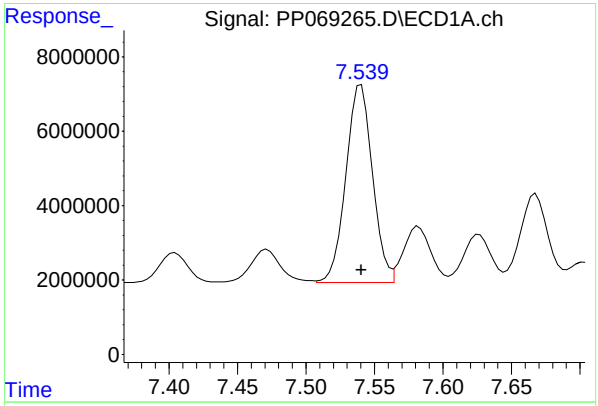
#31 AR-1260-1

R.T.: 7.286 min
Delta R.T.: 0.000 min
Response: 55810838
Conc: 952.91 ng/ml



#31 AR-1260-1

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 45562804
Conc: 961.15 ng/ml



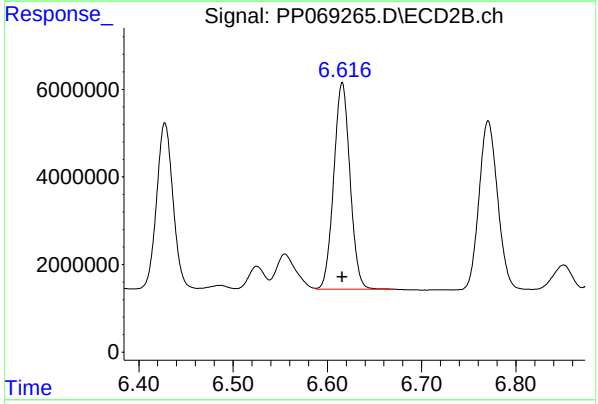
#32 AR-1260-2

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 71849008
Conc: 954.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

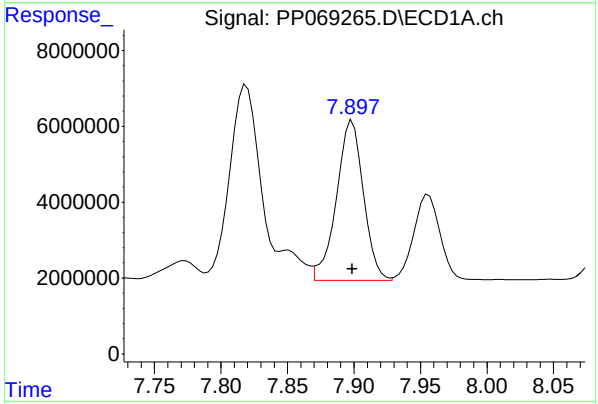
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



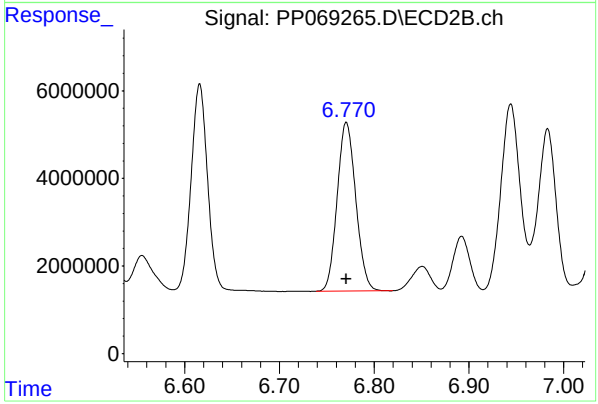
#32 AR-1260-2

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 56383179
Conc: 948.64 ng/ml



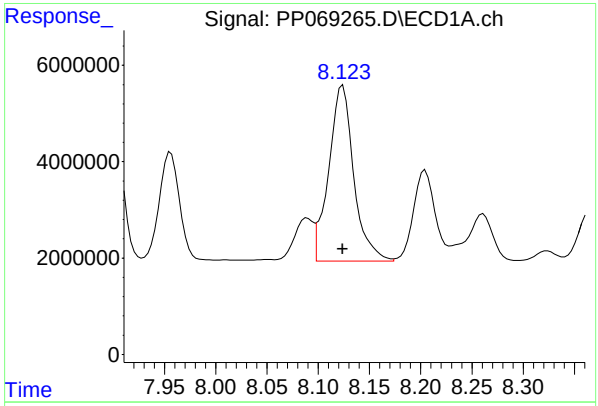
#33 AR-1260-3

R.T.: 7.899 min
Delta R.T.: 0.000 min
Response: 59639386
Conc: 962.01 ng/ml



#33 AR-1260-3

R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 52562549
Conc: 960.09 ng/ml



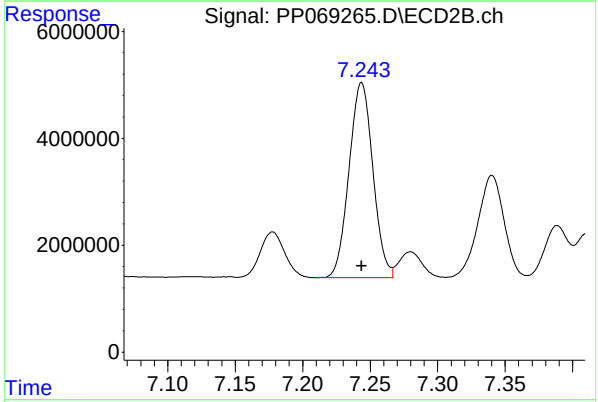
#34 AR-1260-4

R.T.: 8.124 min
Delta R.T.: 0.000 min
Response: 61734973
Conc: 955.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

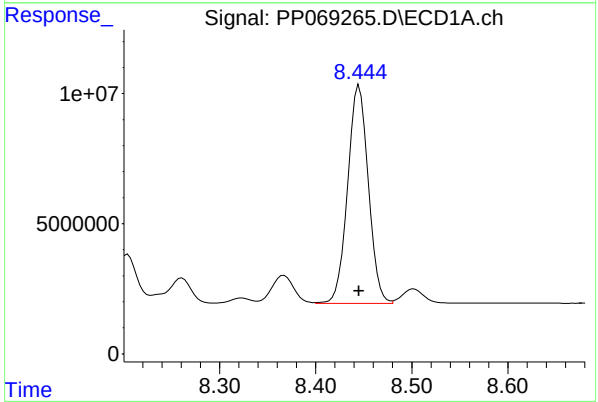
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



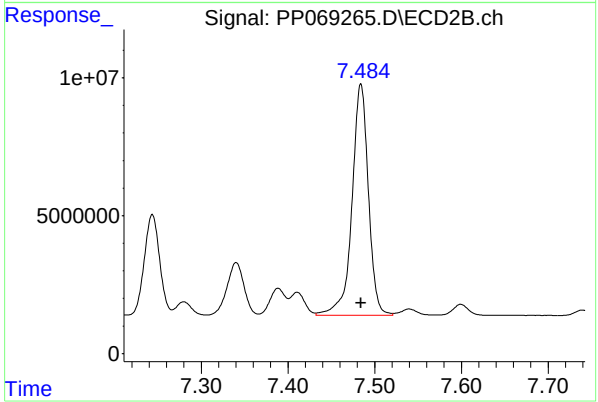
#34 AR-1260-4

R.T.: 7.244 min
Delta R.T.: 0.000 min
Response: 44924385
Conc: 971.00 ng/ml



#35 AR-1260-5

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 125094433
Conc: 959.59 ng/ml



#35 AR-1260-5

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 110513786
Conc: 990.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:54
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: Jan 28 10:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.536	3.840	110.5E6	69677468	74.910	75.426
2)	SA Decachlor...	10.277	8.912	83733323	80681848	74.870	74.209
	Target Compounds						
3)	L1 AR-1016-1	5.690	4.933	34577756	25167470	741.681	765.192
4)	L1 AR-1016-2	5.711	4.953	52334815	34727927	760.116	758.902
5)	L1 AR-1016-3	5.774	5.130	31097527	19360462	741.911	767.618
6)	L1 AR-1016-4	5.871	5.172	26477855	15495550	751.282	760.835
7)	L1 AR-1016-5	6.165	5.387	25368307	19857855	753.613	755.164
31)	L7 AR-1260-1	7.285	6.427	43781138	36912722	748.340	768.879
32)	L7 AR-1260-2	7.540	6.615	56422129	45385543	749.540	759.014
33)	L7 AR-1260-3	7.898	6.770	46597139	42836153	751.089	771.312
34)	L7 AR-1260-4	8.123	7.243	48551980	36438743	750.752	774.651
35)	L7 AR-1260-5	8.445	7.483	97709365	87084516	749.681	770.144

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

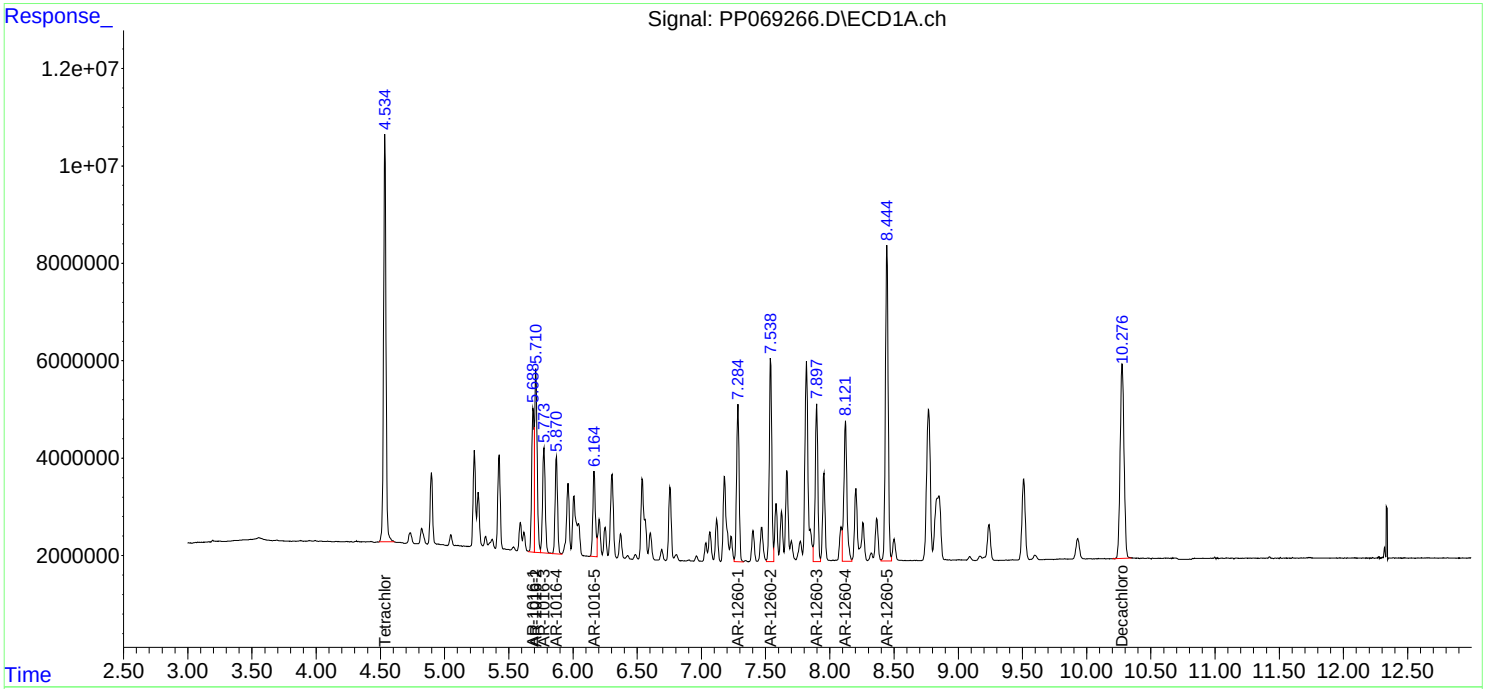
ICAL Form

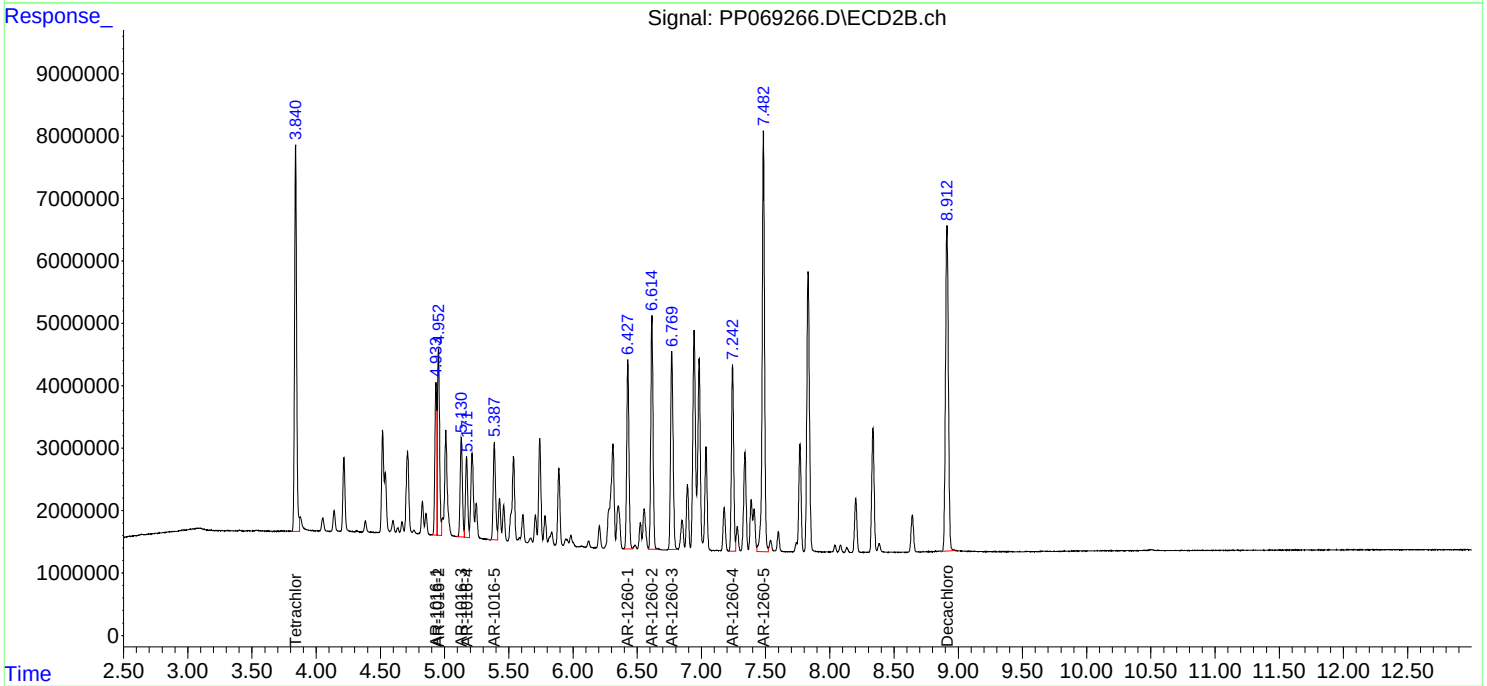
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:54
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

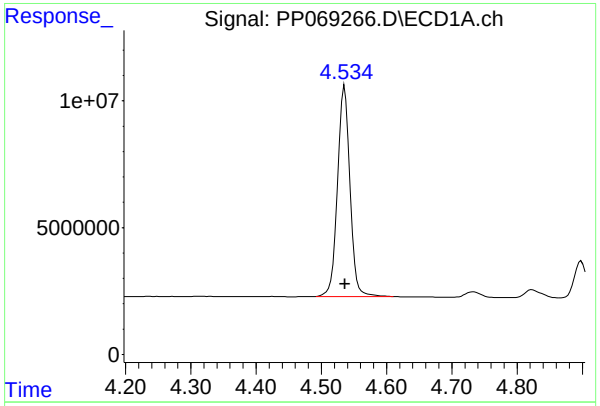
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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



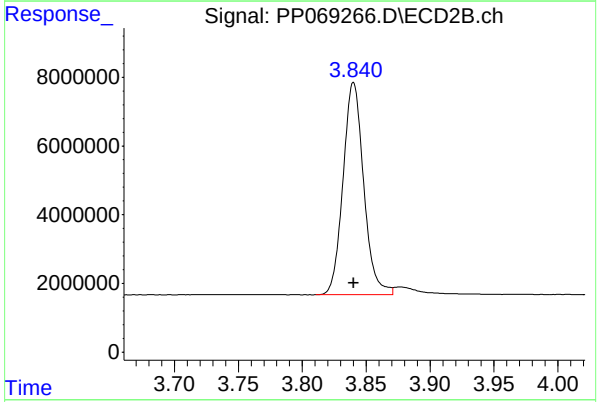




#1 Tetrachloro-m-xylene

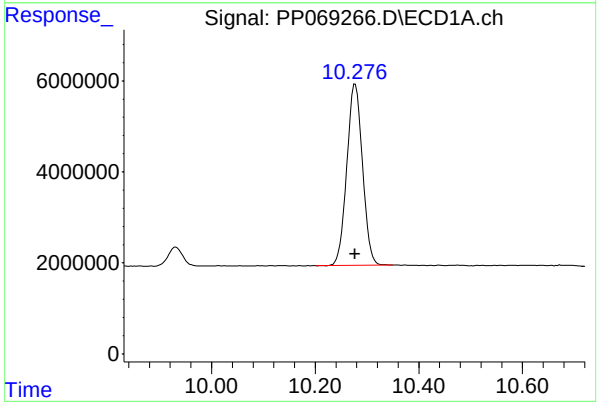
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 110537107
Conc: 74.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



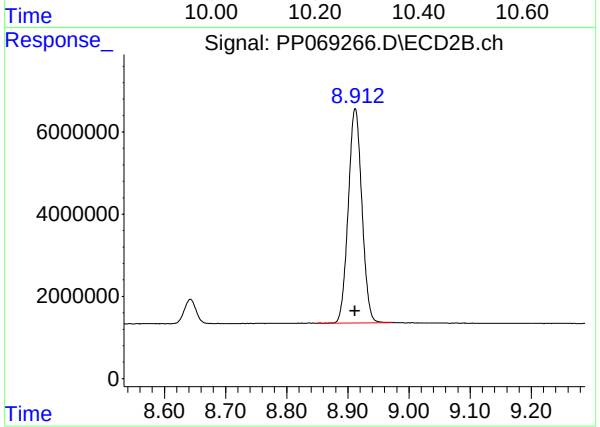
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 69677468
Conc: 75.43 ng/ml



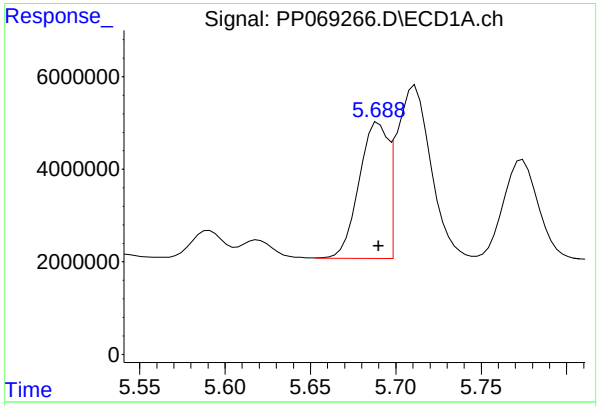
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 83733323
Conc: 74.87 ng/ml



#2 Decachlorobiphenyl

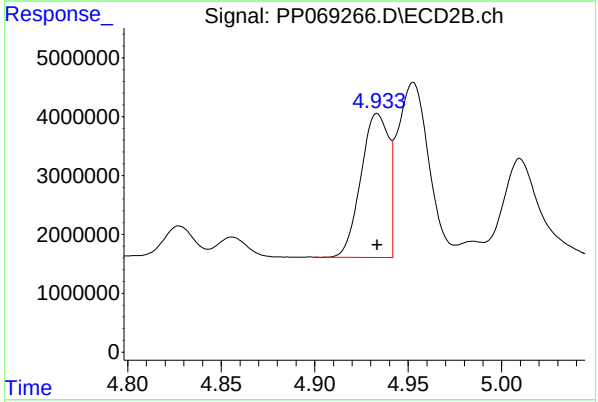
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 80681848
Conc: 74.21 ng/ml



#3 AR-1016-1

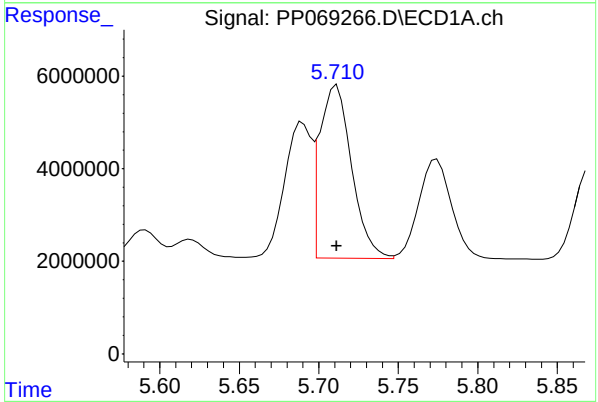
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 34577756
Conc: 741.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



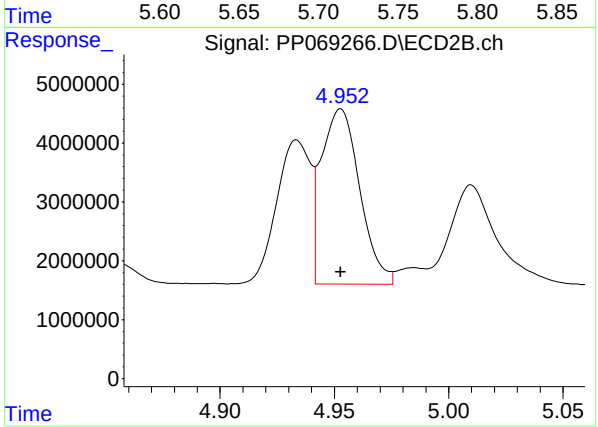
#3 AR-1016-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 25167470
Conc: 765.19 ng/ml



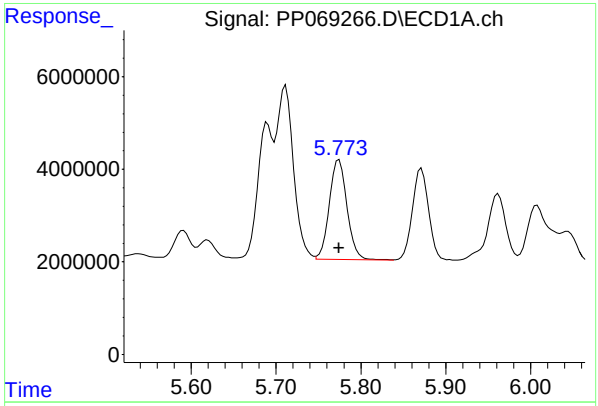
#4 AR-1016-2

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 52334815
Conc: 760.12 ng/ml



#4 AR-1016-2

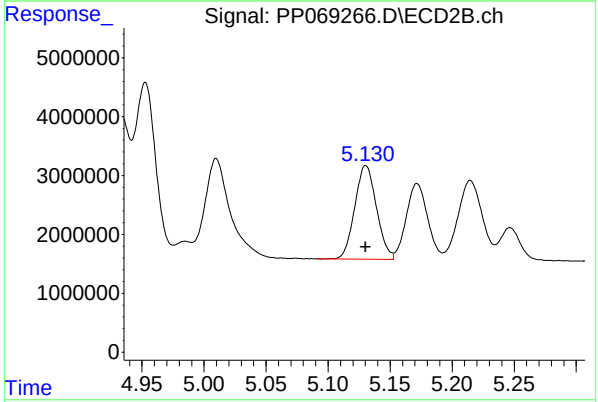
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 34727927
Conc: 758.90 ng/ml



#5 AR-1016-3

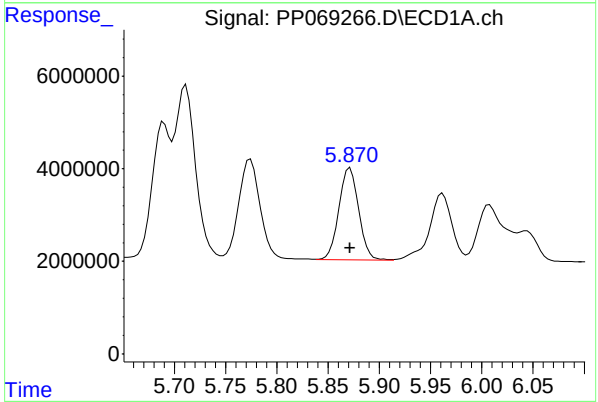
R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 31097527
Conc: 741.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



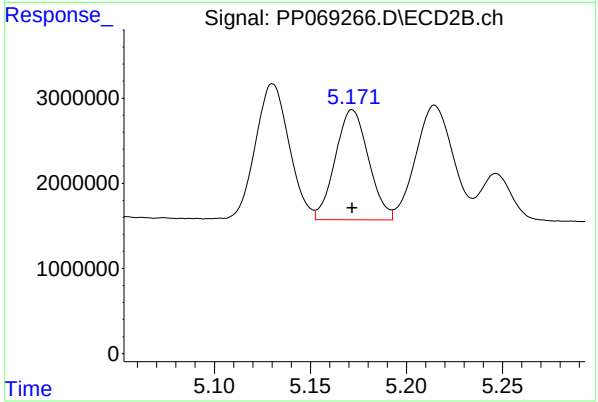
#5 AR-1016-3

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 19360462
Conc: 767.62 ng/ml



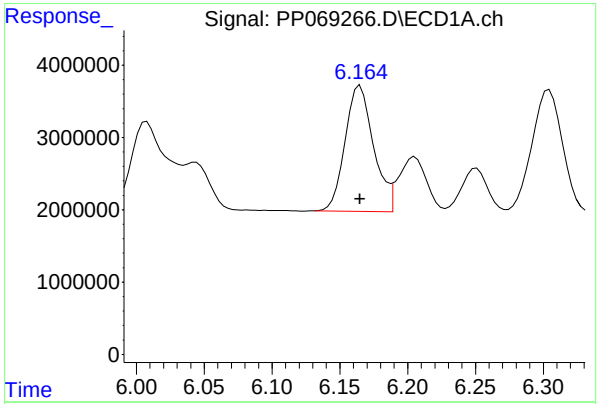
#6 AR-1016-4

R.T.: 5.871 min
Delta R.T.: 0.000 min
Response: 26477855
Conc: 751.28 ng/ml



#6 AR-1016-4

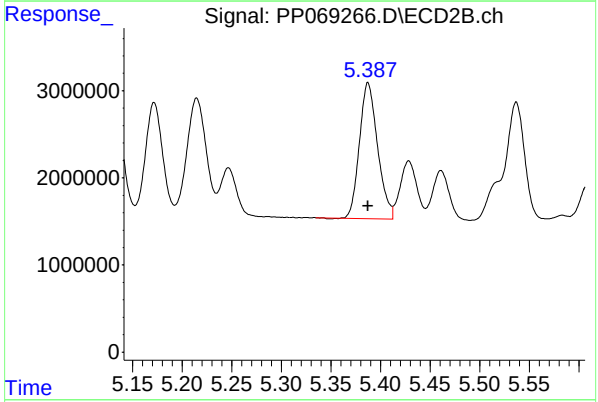
R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 15495550
Conc: 760.83 ng/ml



#7 AR-1016-5

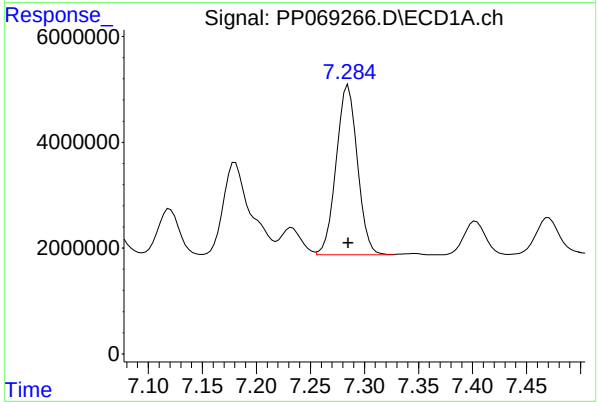
R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 25368307
Conc: 753.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



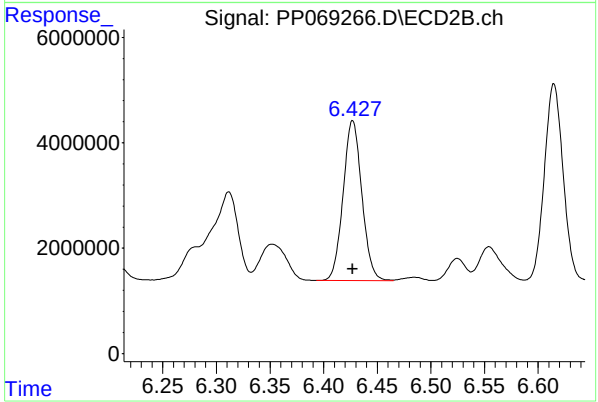
#7 AR-1016-5

R.T.: 5.387 min
Delta R.T.: 0.000 min
Response: 19857855
Conc: 755.16 ng/ml



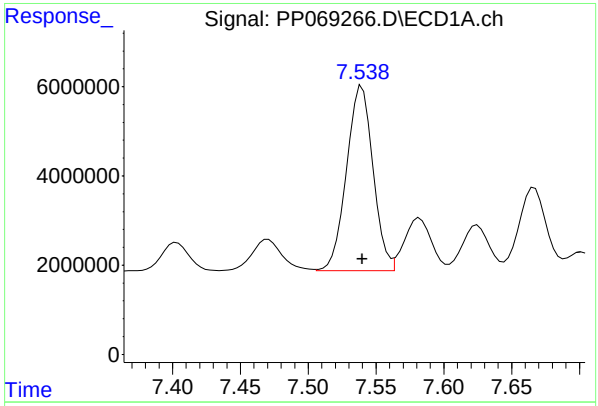
#31 AR-1260-1

R.T.: 7.285 min
Delta R.T.: 0.000 min
Response: 43781138
Conc: 748.34 ng/ml



#31 AR-1260-1

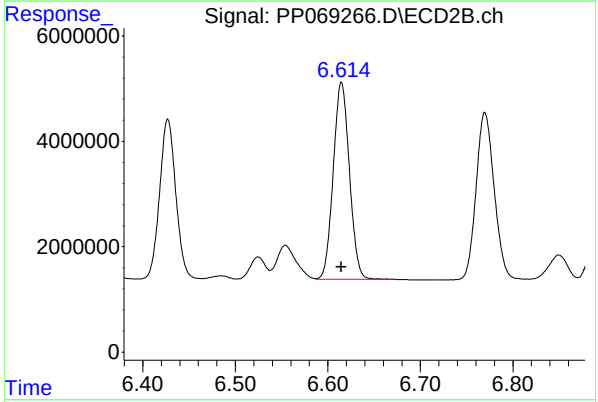
R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 36912722
Conc: 768.88 ng/ml



#32 AR-1260-2

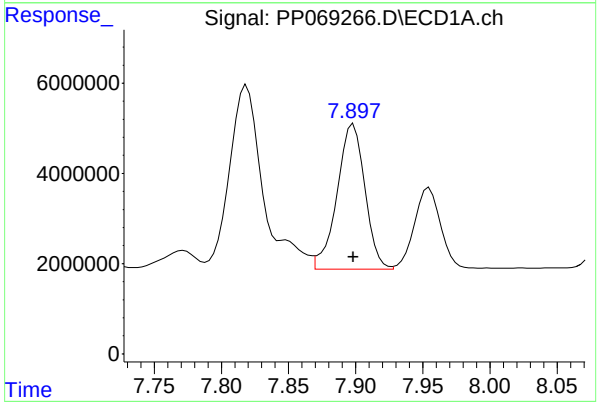
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 56422129
Conc: 749.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



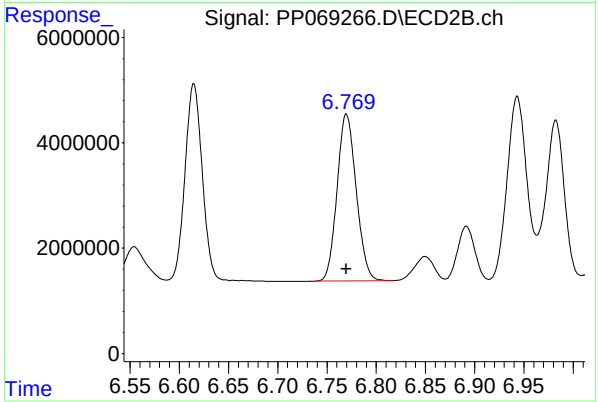
#32 AR-1260-2

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 45385543
Conc: 759.01 ng/ml



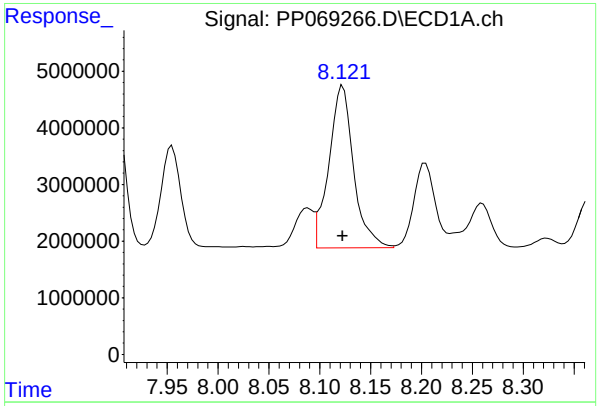
#33 AR-1260-3

R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 46597139
Conc: 751.09 ng/ml



#33 AR-1260-3

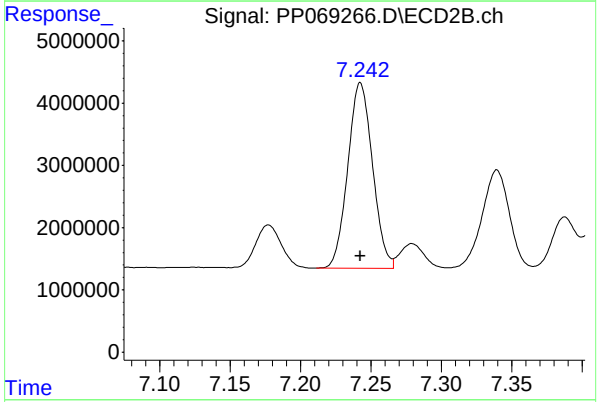
R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 42836153
Conc: 771.31 ng/ml



#34 AR-1260-4

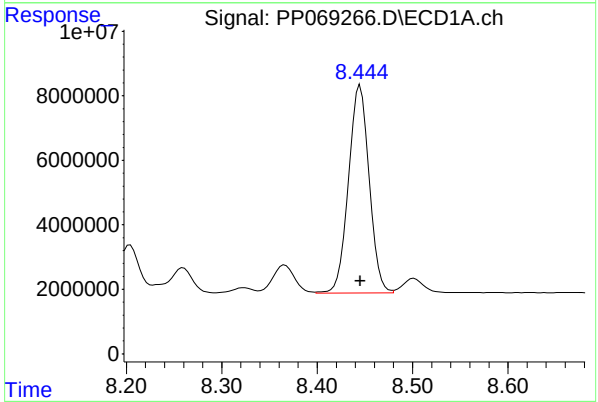
R.T.: 8.123 min
Delta R.T.: 0.000 min
Response: 48551980
Conc: 750.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



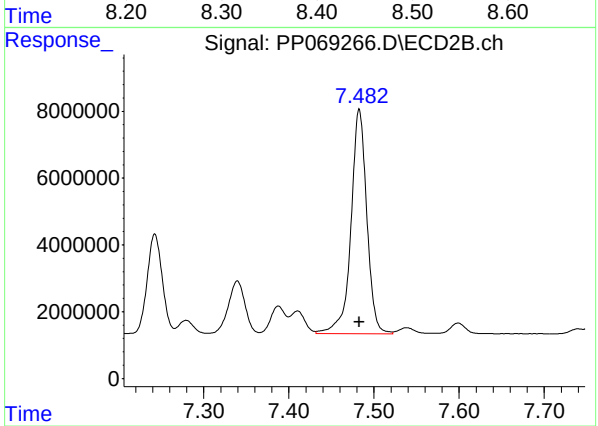
#34 AR-1260-4

R.T.: 7.243 min
Delta R.T.: 0.000 min
Response: 36438743
Conc: 774.65 ng/ml



#35 AR-1260-5

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 97709365
Conc: 749.68 ng/ml



#35 AR-1260-5

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 87084516
Conc: 770.14 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:10
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: Jan 28 10:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.538	3.840	76123507	47329852	50.000	50.000
2)	SA Decachlor...	10.279	8.911	58476460	55212996	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.692	4.934	24597370	16740468	500.000	500.000
4)	L1 AR-1016-2	5.714	4.953	35329099	23473253	500.000	500.000
5)	L1 AR-1016-3	5.776	5.130	22206817	12794594	500.000	500.000
6)	L1 AR-1016-4	5.874	5.172	18359887	10500306	500.000	500.000
7)	L1 AR-1016-5	6.167	5.388	17535770	13556639	500.000	500.000
31)	L7 AR-1260-1	7.287	6.426	30663621	24622834	500.000	500.000
32)	L7 AR-1260-2	7.541	6.615	39374261	31244422	500.000	500.000
33)	L7 AR-1260-3	7.900	6.770	32174651	28466392	500.000	500.000
34)	L7 AR-1260-4	8.125	7.242	33771200	23803698	500.000	500.000
35)	L7 AR-1260-5	8.447	7.484	67814967	56300228	500.000	500.000

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

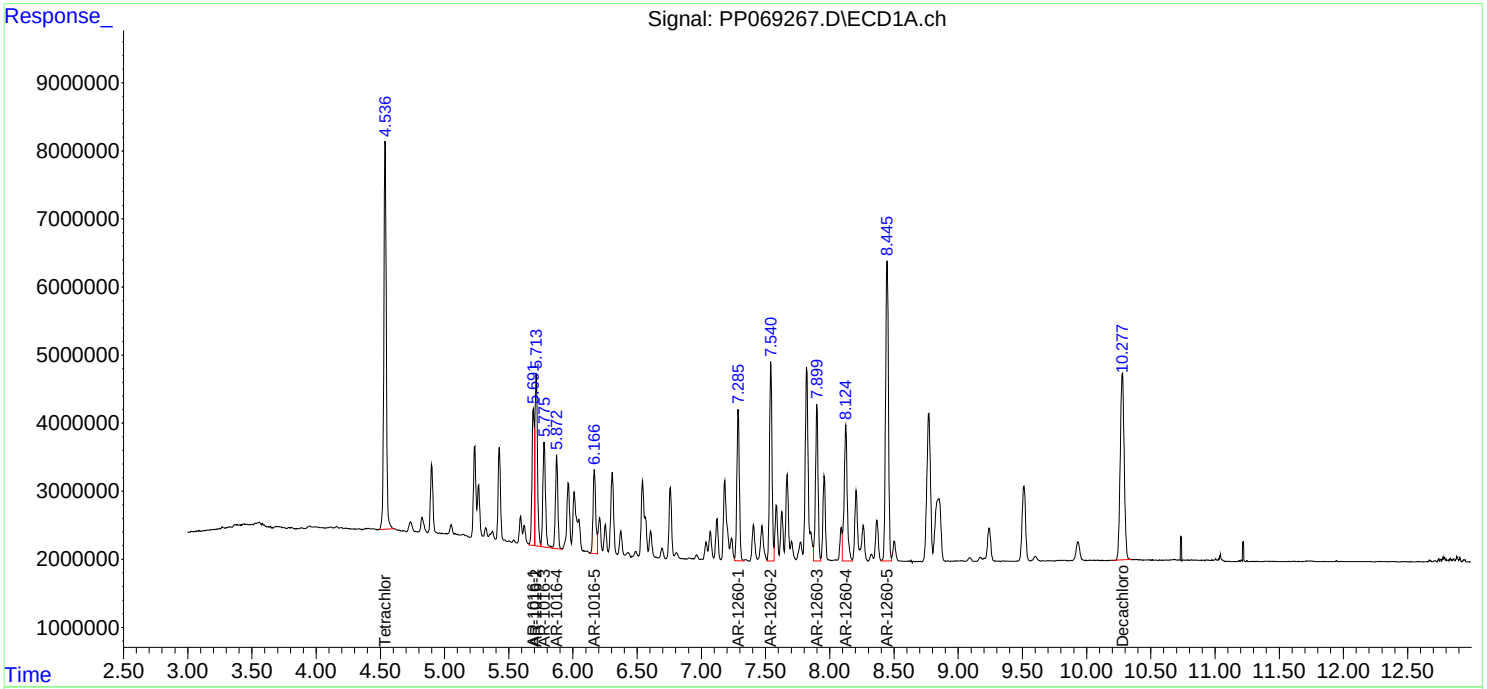
ICAL Form

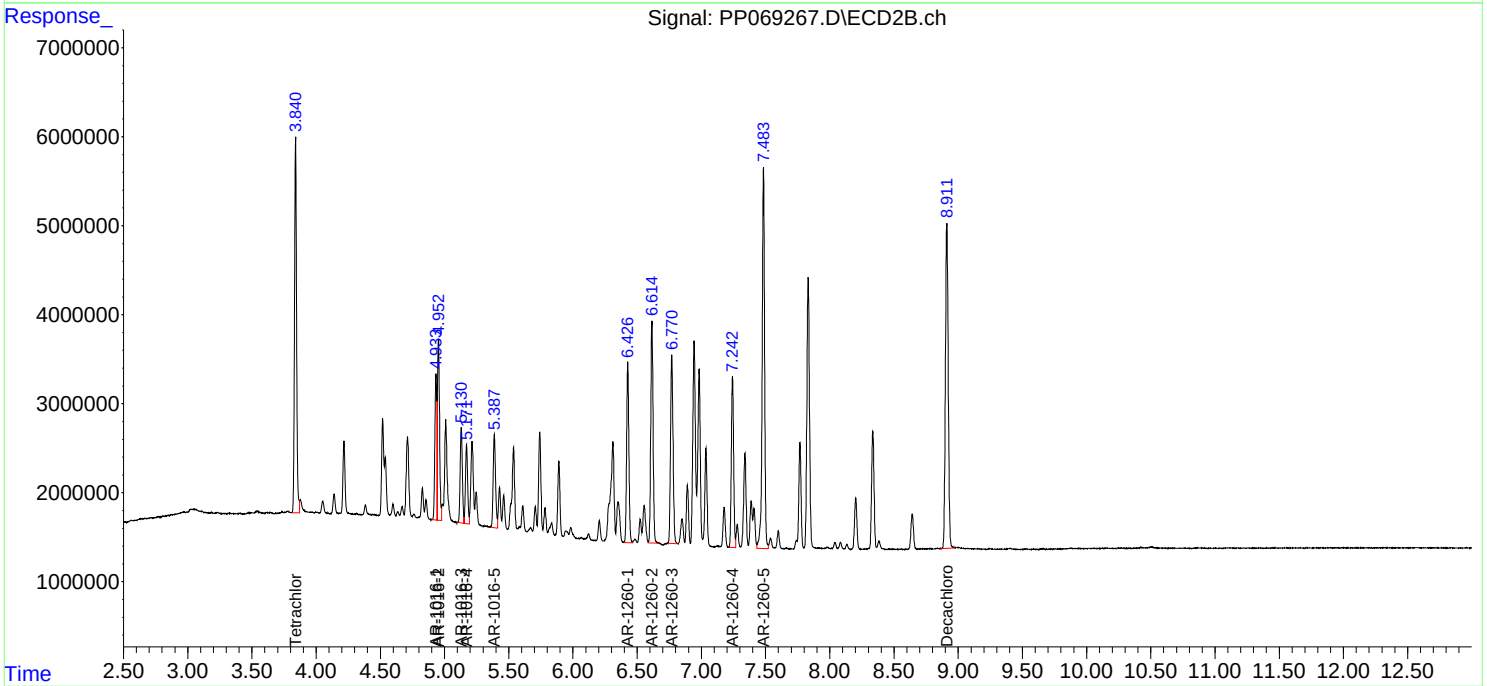
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:10
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

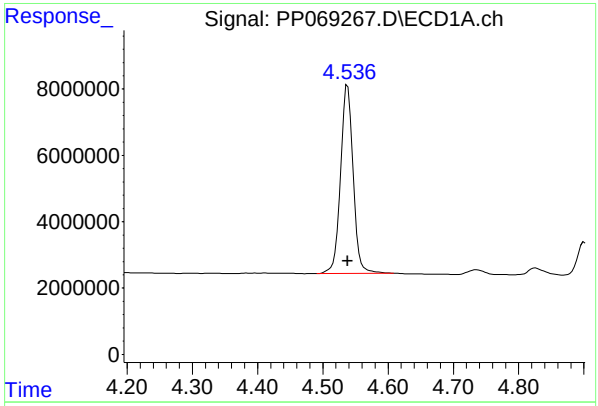
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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



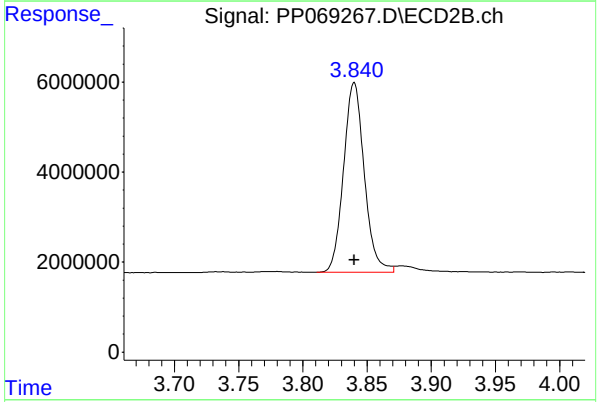




#1 Tetrachloro-m-xylene

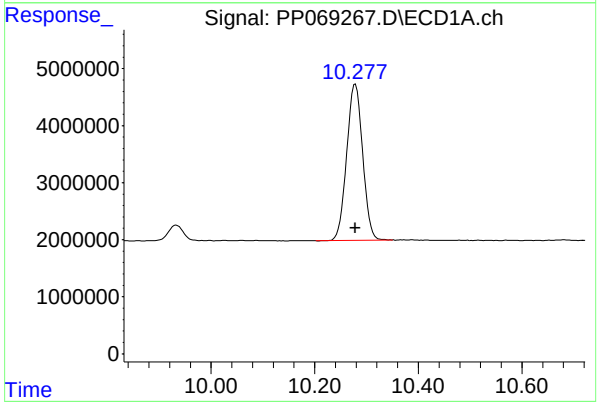
R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 76123507
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



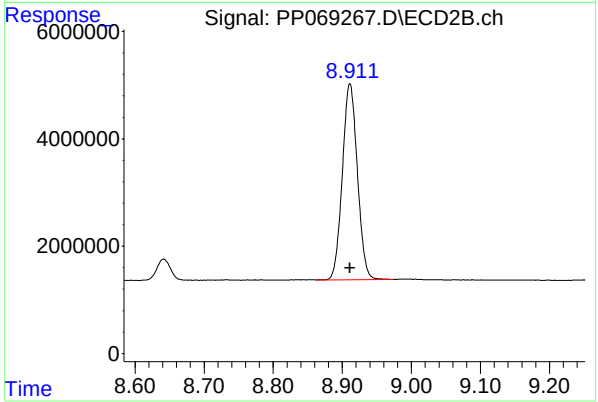
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 47329852
Conc: 50.00 ng/ml



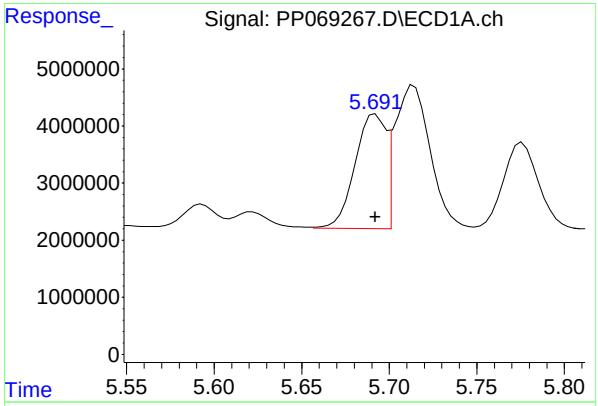
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 58476460
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

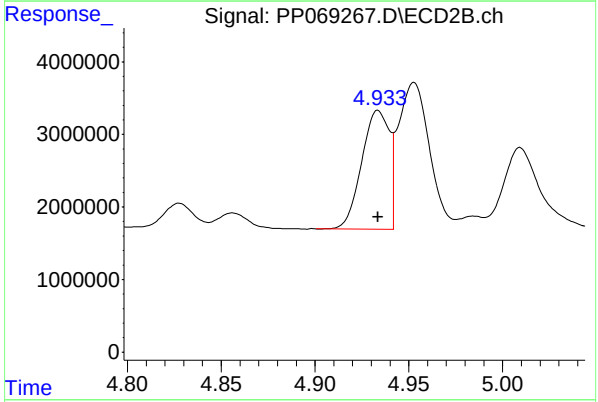
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 55212996
Conc: 50.00 ng/ml



#3 AR-1016-1

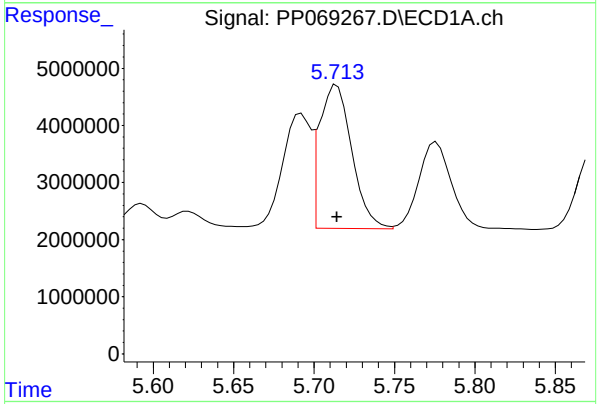
R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 24597370
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



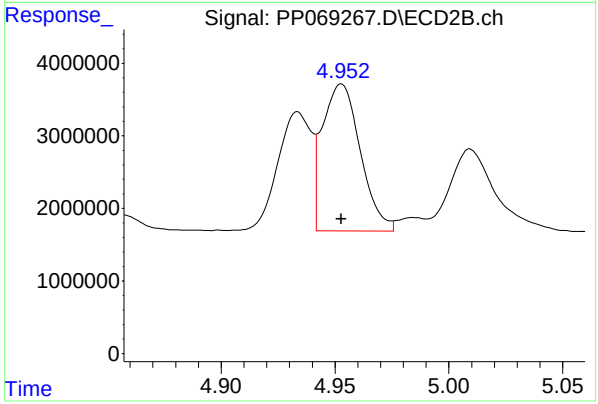
#3 AR-1016-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 16740468
Conc: 500.00 ng/ml



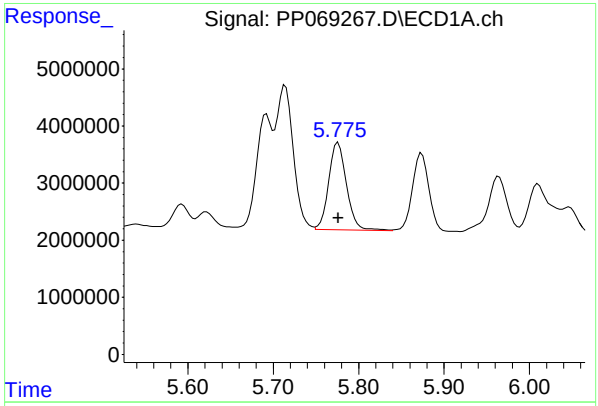
#4 AR-1016-2

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 35329099
Conc: 500.00 ng/ml



#4 AR-1016-2

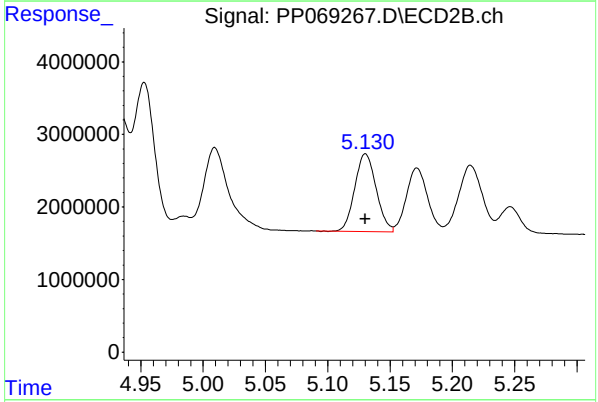
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 23473253
Conc: 500.00 ng/ml



#5 AR-1016-3

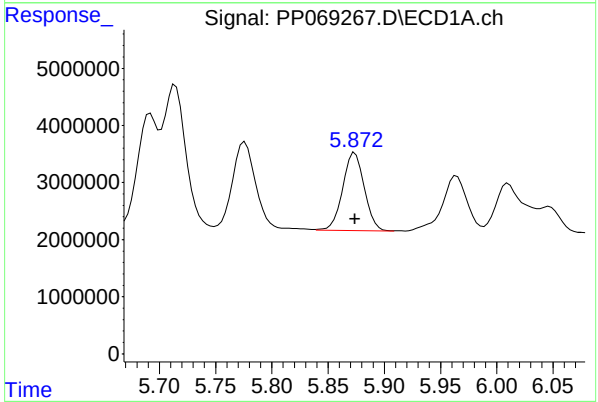
R.T.: 5.776 min
Delta R.T.: 0.000 min
Response: 22206817
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



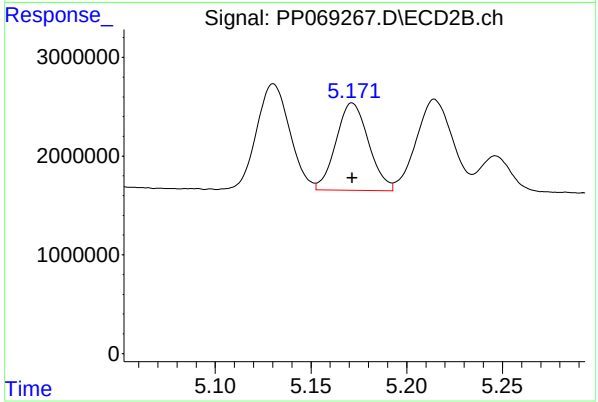
#5 AR-1016-3

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 12794594
Conc: 500.00 ng/ml



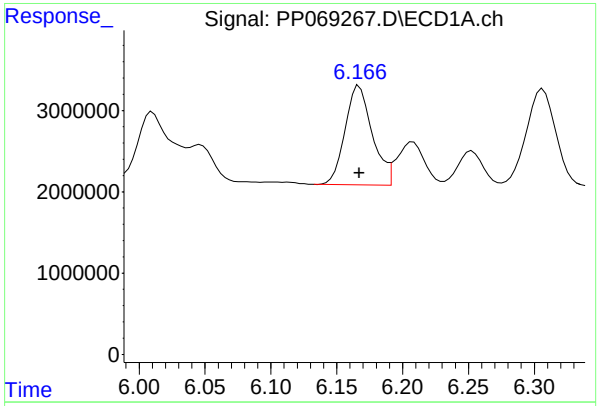
#6 AR-1016-4

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 18359887
Conc: 500.00 ng/ml



#6 AR-1016-4

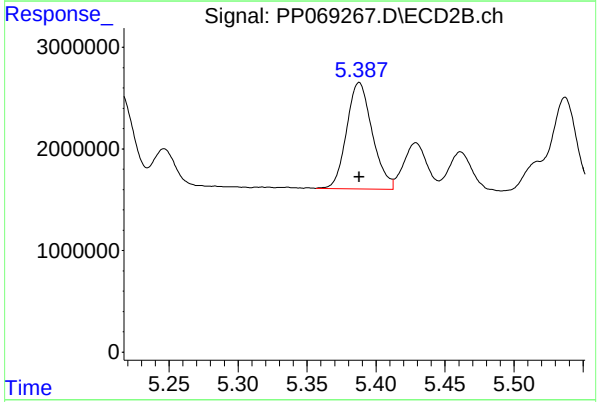
R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 10500306
Conc: 500.00 ng/ml



#7 AR-1016-5

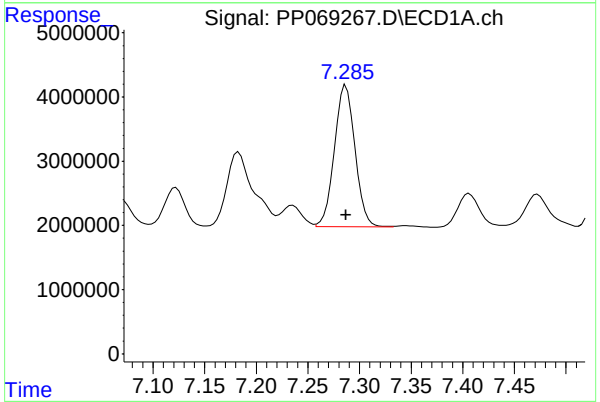
R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 17535770
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



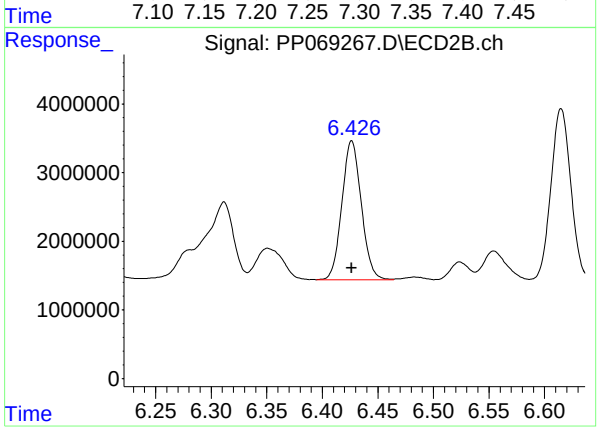
#7 AR-1016-5

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 13556639
Conc: 500.00 ng/ml



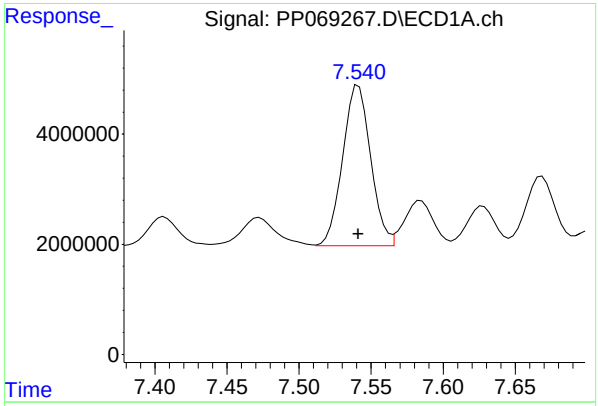
#31 AR-1260-1

R.T.: 7.287 min
Delta R.T.: 0.000 min
Response: 30663621
Conc: 500.00 ng/ml



#31 AR-1260-1

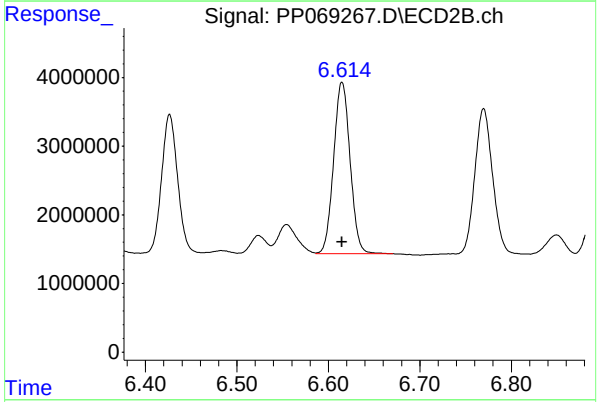
R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 24622834
Conc: 500.00 ng/ml



#32 AR-1260-2

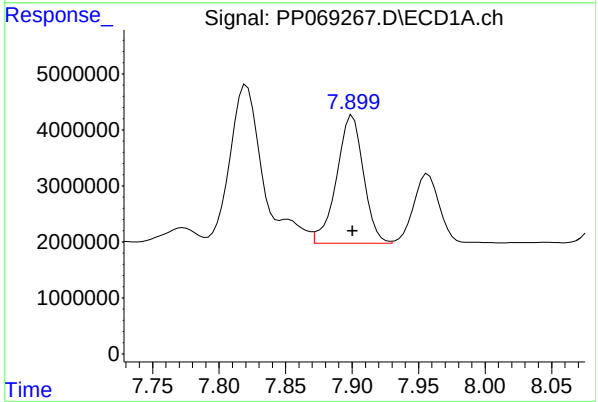
R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 39374261
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



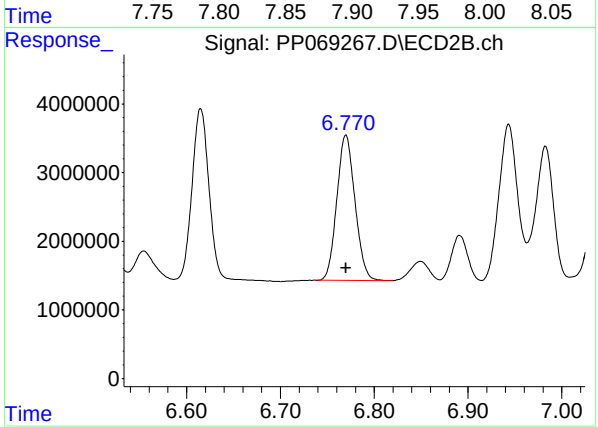
#32 AR-1260-2

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 31244422
Conc: 500.00 ng/ml



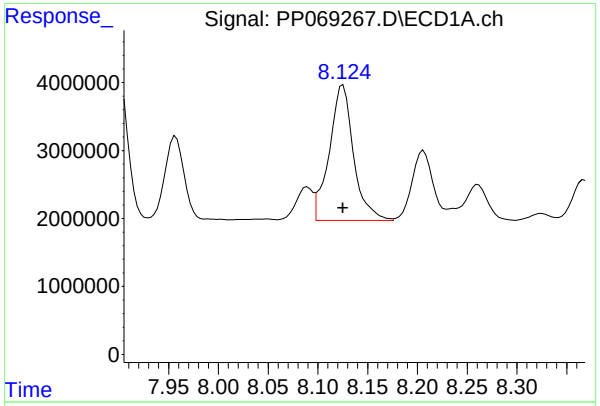
#33 AR-1260-3

R.T.: 7.900 min
Delta R.T.: 0.000 min
Response: 32174651
Conc: 500.00 ng/ml



#33 AR-1260-3

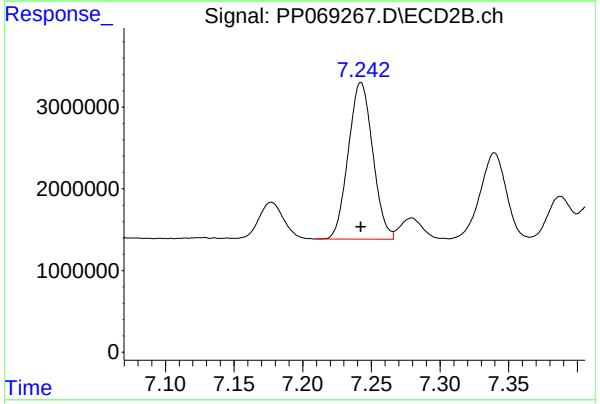
R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 28466392
Conc: 500.00 ng/ml



#34 AR-1260-4

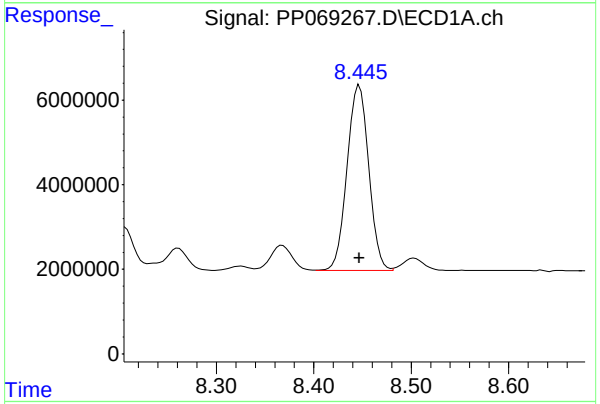
R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 33771200
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



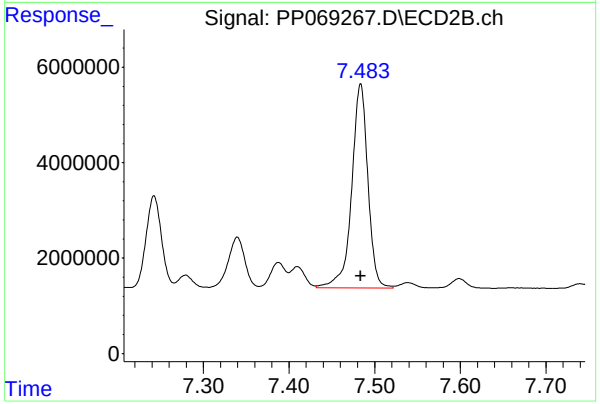
#34 AR-1260-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 23803698
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.447 min
Delta R.T.: 0.000 min
Response: 67814967
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 56300228
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:26
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.534	3.840	39276963	24793376	26.194	26.354
2)	SA Decachlor...	10.275	8.911	31087394	33225807	27.041	28.951
	Target Compounds						
3)	L1 AR-1016-1	5.688	4.933	12563303	9488743	264.330	277.802
4)	L1 AR-1016-2	5.711	4.953	18984700	12921784	268.817	273.521
5)	L1 AR-1016-3	5.773	5.130	12148331	7146935	278.728	274.217
6)	L1 AR-1016-4	5.870	5.172	9492997	5871865	264.240	277.672
7)	L1 AR-1016-5	6.164	5.388	9189623	7810918	266.859	283.693
31)	L7 AR-1260-1	7.284	6.426	16281711	13934776	270.640	279.024
32)	L7 AR-1260-2	7.538	6.615	21334462	17223796	274.253	277.488
33)	L7 AR-1260-3	7.897	6.770	17319183	16433686	271.253	282.919
34)	L7 AR-1260-4	8.121	7.242	18337608	13582568	274.347	277.980
35)	L7 AR-1260-5	8.443	7.483	36124405	31649507	269.836	271.772

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

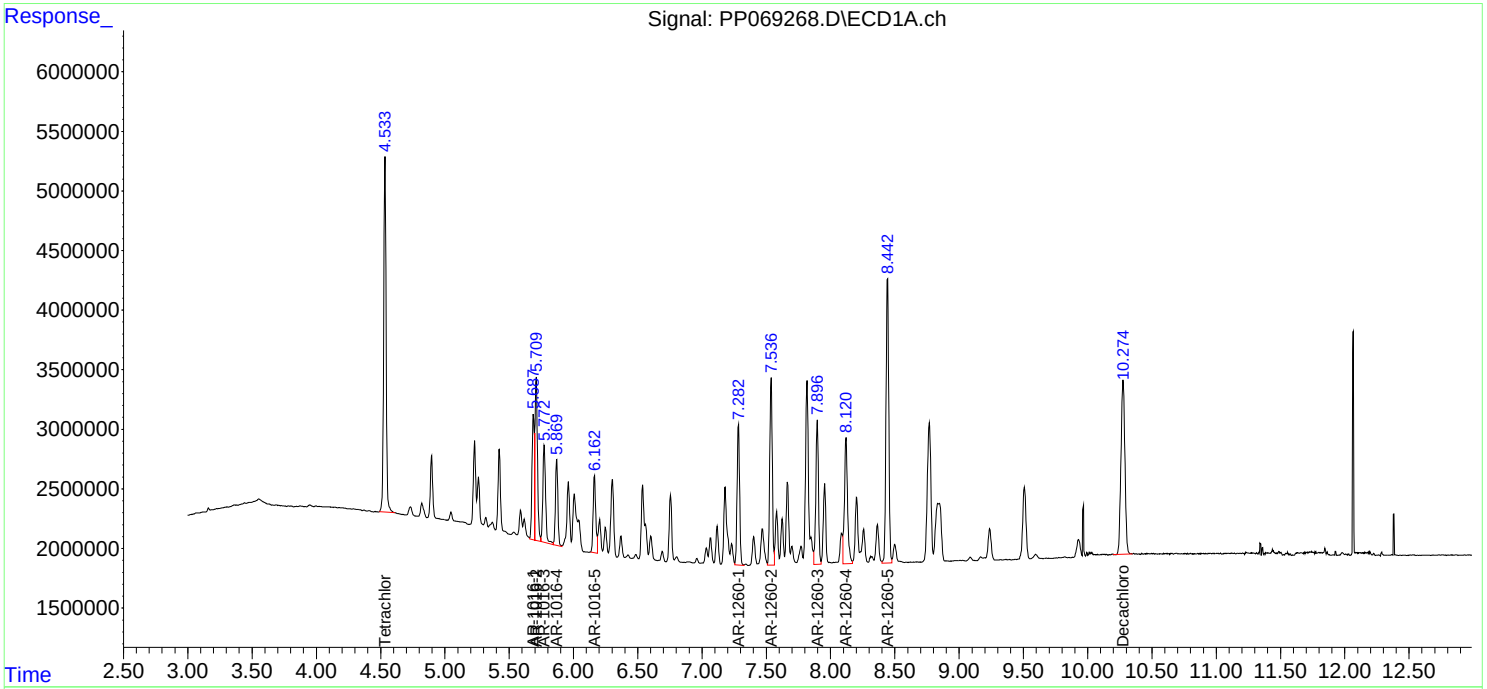
ICAL Form

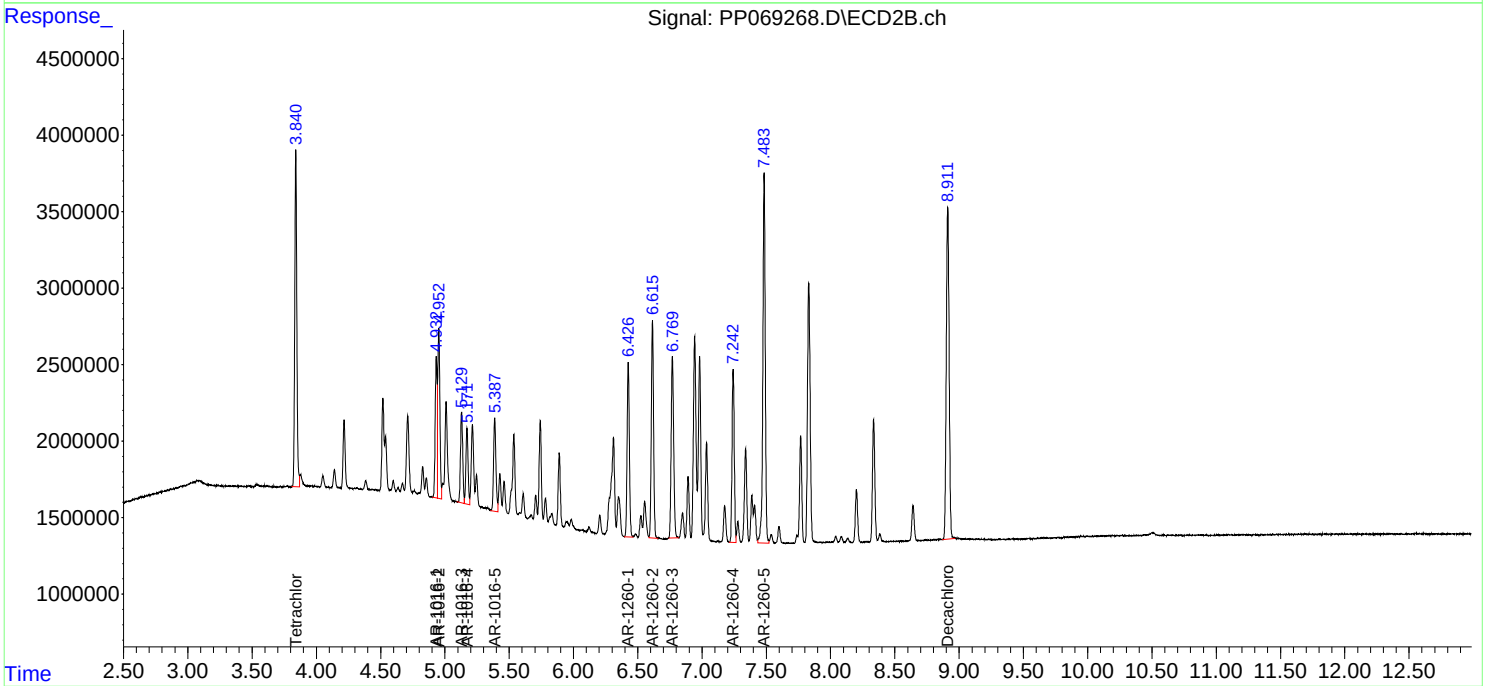
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:26
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

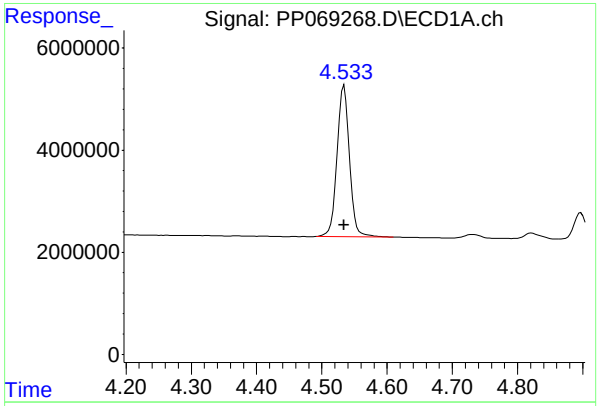
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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



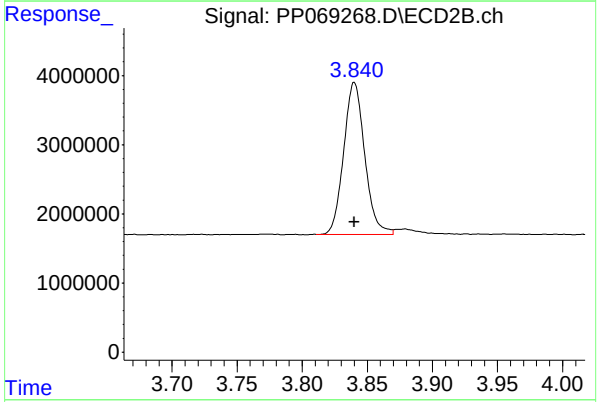




#1 Tetrachloro-m-xylene

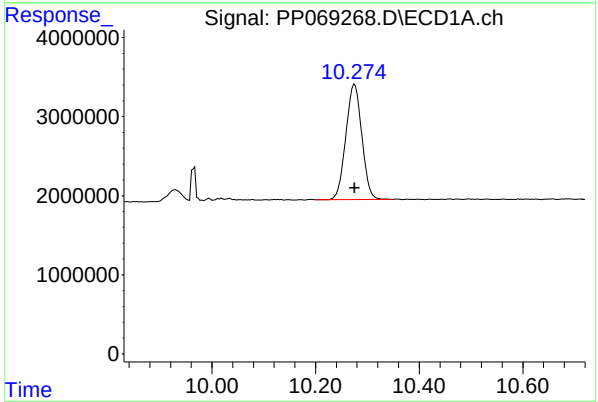
R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 39276963
Conc: 26.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



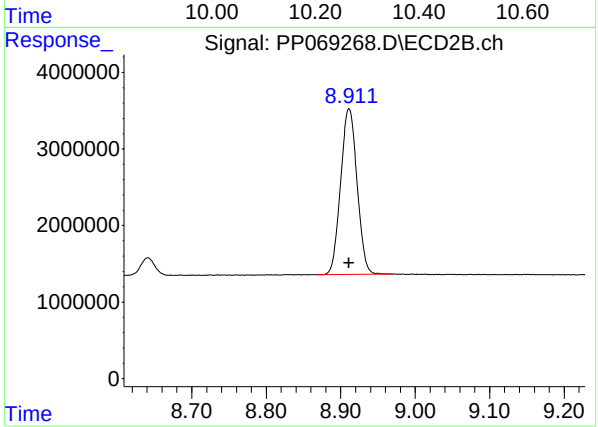
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 24793376
Conc: 26.35 ng/ml



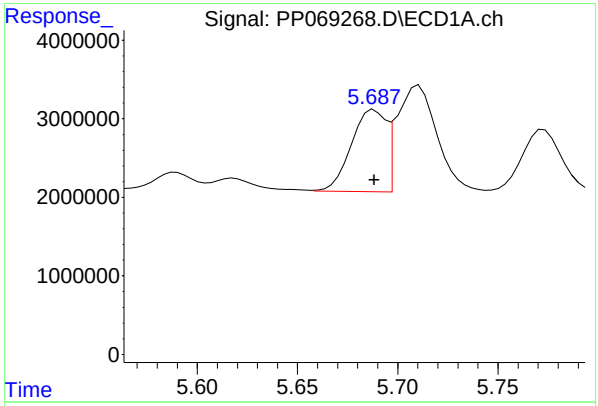
#2 Decachlorobiphenyl

R.T.: 10.275 min
Delta R.T.: 0.000 min
Response: 31087394
Conc: 27.04 ng/ml



#2 Decachlorobiphenyl

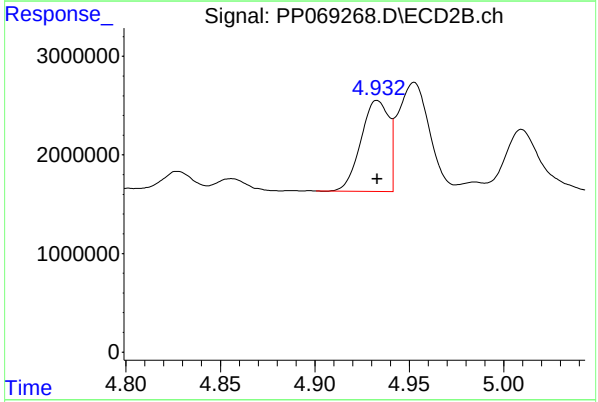
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 33225807
Conc: 28.95 ng/ml



#3 AR-1016-1

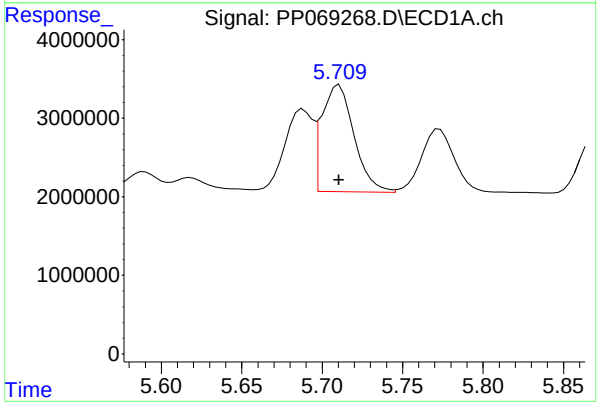
R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 12563303
Conc: 264.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



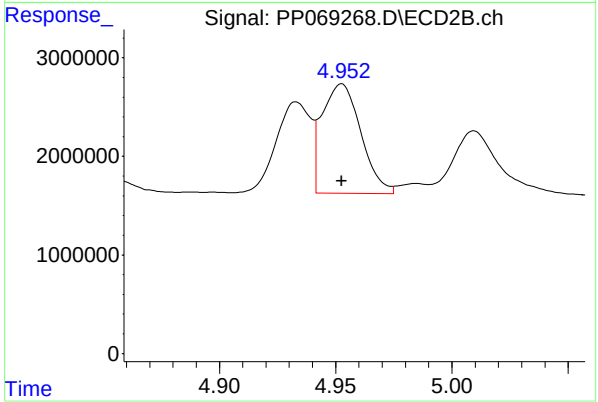
#3 AR-1016-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 9488743
Conc: 277.80 ng/ml



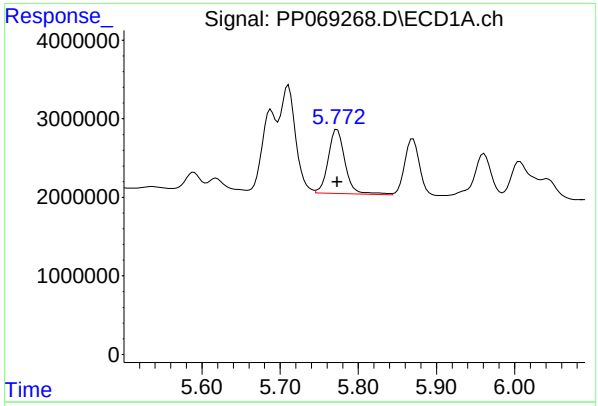
#4 AR-1016-2

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 18984700
Conc: 268.82 ng/ml



#4 AR-1016-2

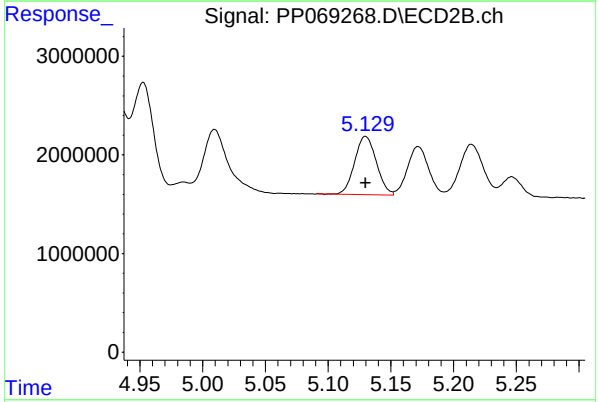
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 12921784
Conc: 273.52 ng/ml



#5 AR-1016-3

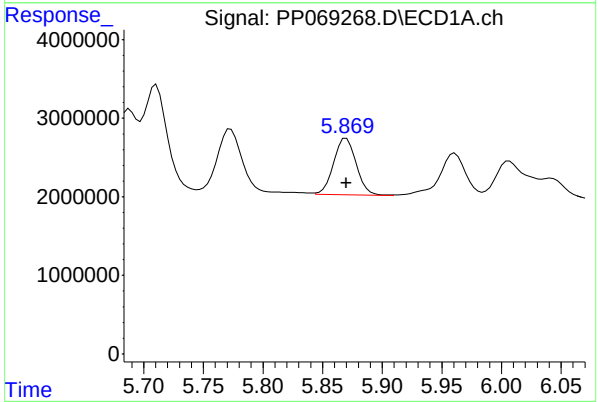
R.T.: 5.773 min
Delta R.T.: 0.000 min
Response: 12148331
Conc: 278.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



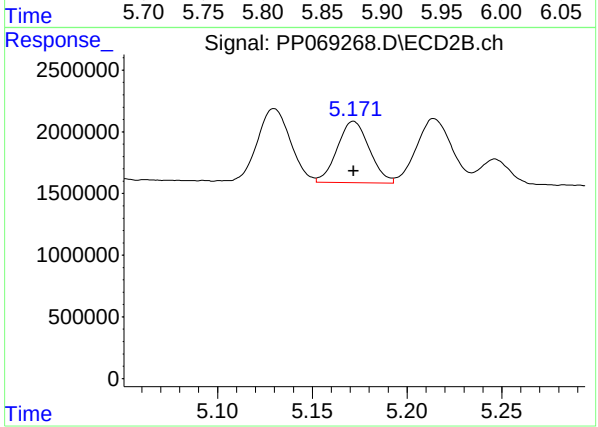
#5 AR-1016-3

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 7146935
Conc: 274.22 ng/ml



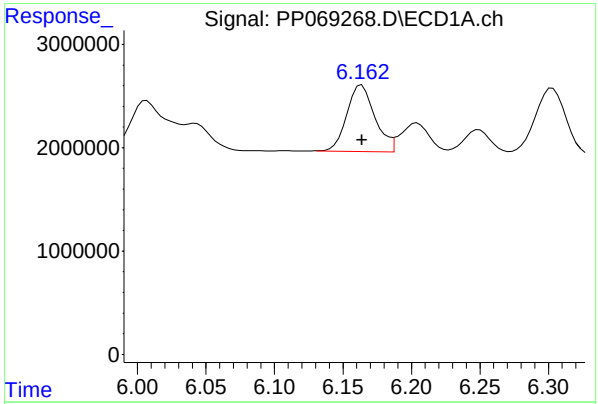
#6 AR-1016-4

R.T.: 5.870 min
Delta R.T.: 0.000 min
Response: 9492997
Conc: 264.24 ng/ml



#6 AR-1016-4

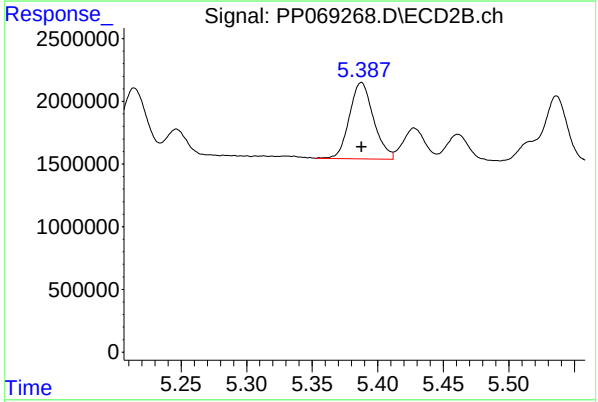
R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 5871865
Conc: 277.67 ng/ml



#7 AR-1016-5

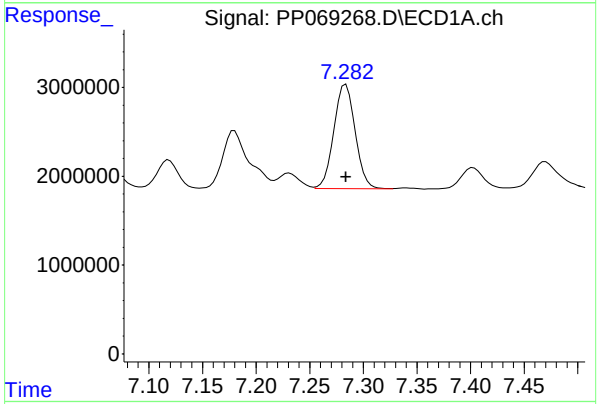
R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 9189623
Conc: 266.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



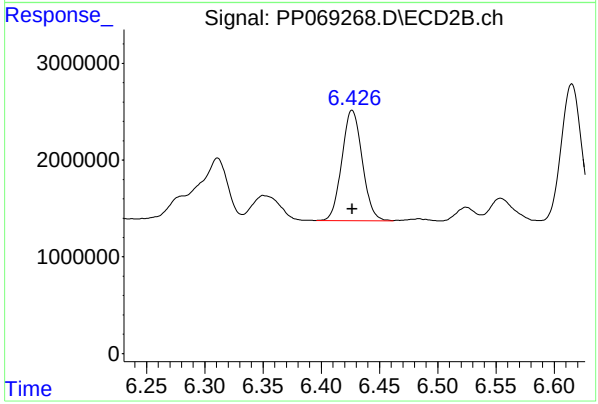
#7 AR-1016-5

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 7810918
Conc: 283.69 ng/ml



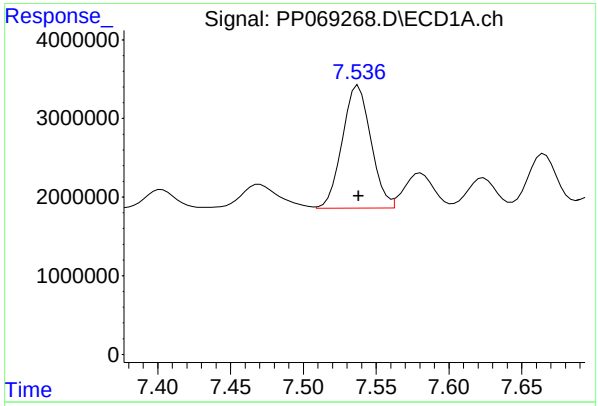
#31 AR-1260-1

R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 16281711
Conc: 270.64 ng/ml



#31 AR-1260-1

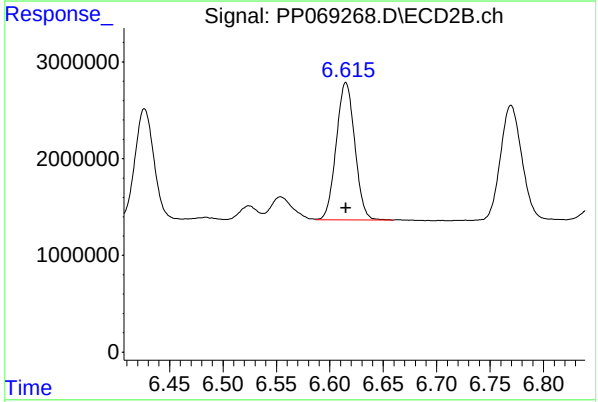
R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 13934776
Conc: 279.02 ng/ml



#32 AR-1260-2

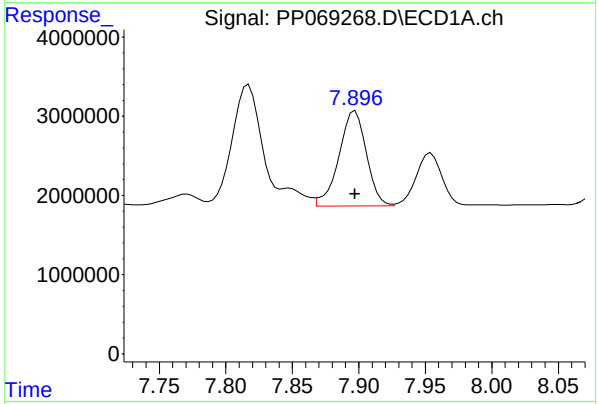
R.T.: 7.538 min
Delta R.T.: 0.000 min
Response: 21334462
Conc: 274.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



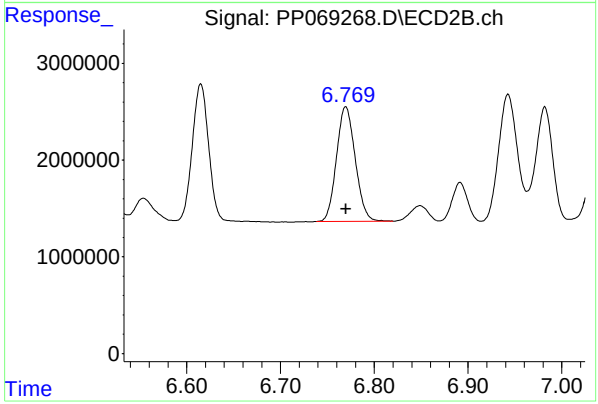
#32 AR-1260-2

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 17223796
Conc: 277.49 ng/ml



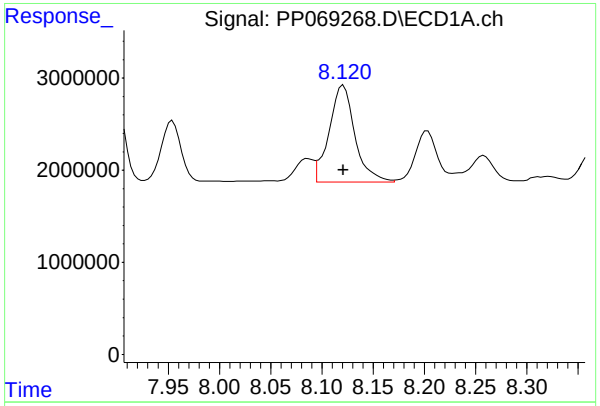
#33 AR-1260-3

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 17319183
Conc: 271.25 ng/ml



#33 AR-1260-3

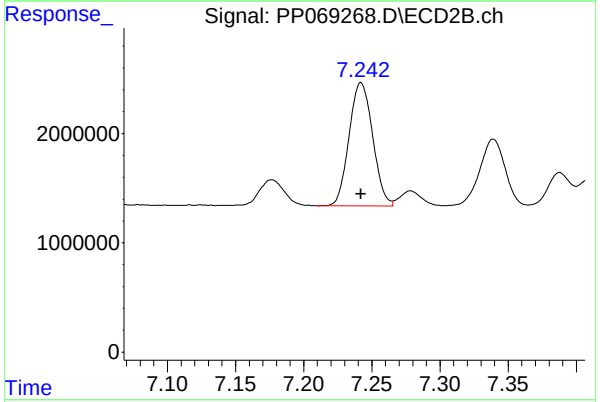
R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 16433686
Conc: 282.92 ng/ml



#34 AR-1260-4

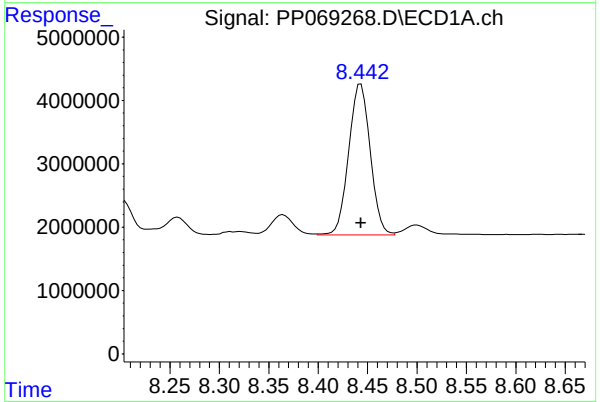
R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 18337608
Conc: 274.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



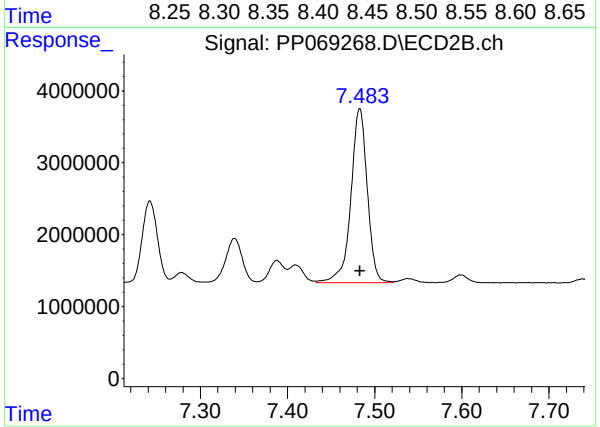
#34 AR-1260-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 13582568
Conc: 277.98 ng/ml



#35 AR-1260-5

R.T.: 8.443 min
Delta R.T.: 0.000 min
Response: 36124405
Conc: 269.84 ng/ml



#35 AR-1260-5

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 31649507
Conc: 271.77 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:15
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 11:25:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.537	3.840	5797759	3498051	4.050	3.919
2)	SA Decachlor...	10.277	8.911	4329284	5008609	3.961	4.478
	Target Compounds						
3)	L1 AR-1016-1	5.689	4.933	2077472	1322446	44.838	40.547
4)	L1 AR-1016-2	5.712	4.952	2844694	1791138	41.909	39.840
5)	L1 AR-1016-3	5.775	5.131	1932164	1008385	45.360	40.523
6)	L1 AR-1016-4	5.871	5.171	1564979	819718	44.713	40.588
7)	L1 AR-1016-5	6.165	5.388	1377377	1199380	41.665	44.713
31)	L7 AR-1260-1	7.286	6.427	2577078	2069154	44.101	42.902
32)	L7 AR-1260-2	7.540	6.614	3894980	2911857	50.056	47.499
33)	L7 AR-1260-3	7.899	6.770	2860067	3421860	45.747	56.883
34)	L7 AR-1260-4	8.123	7.242	3126001	1844576	47.380	39.696
35)	L7 AR-1260-5	8.445	7.483	5956423	4495023	45.495	40.443

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

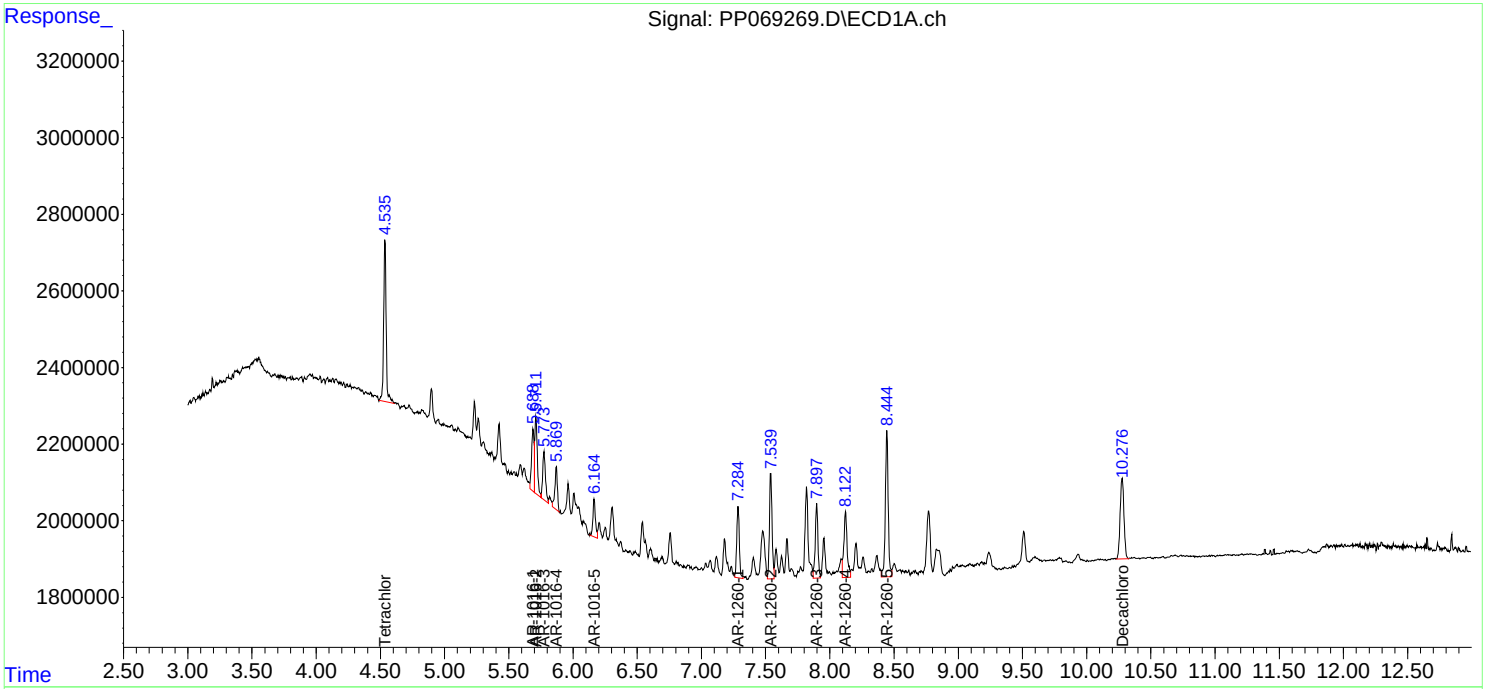
ICAL Form

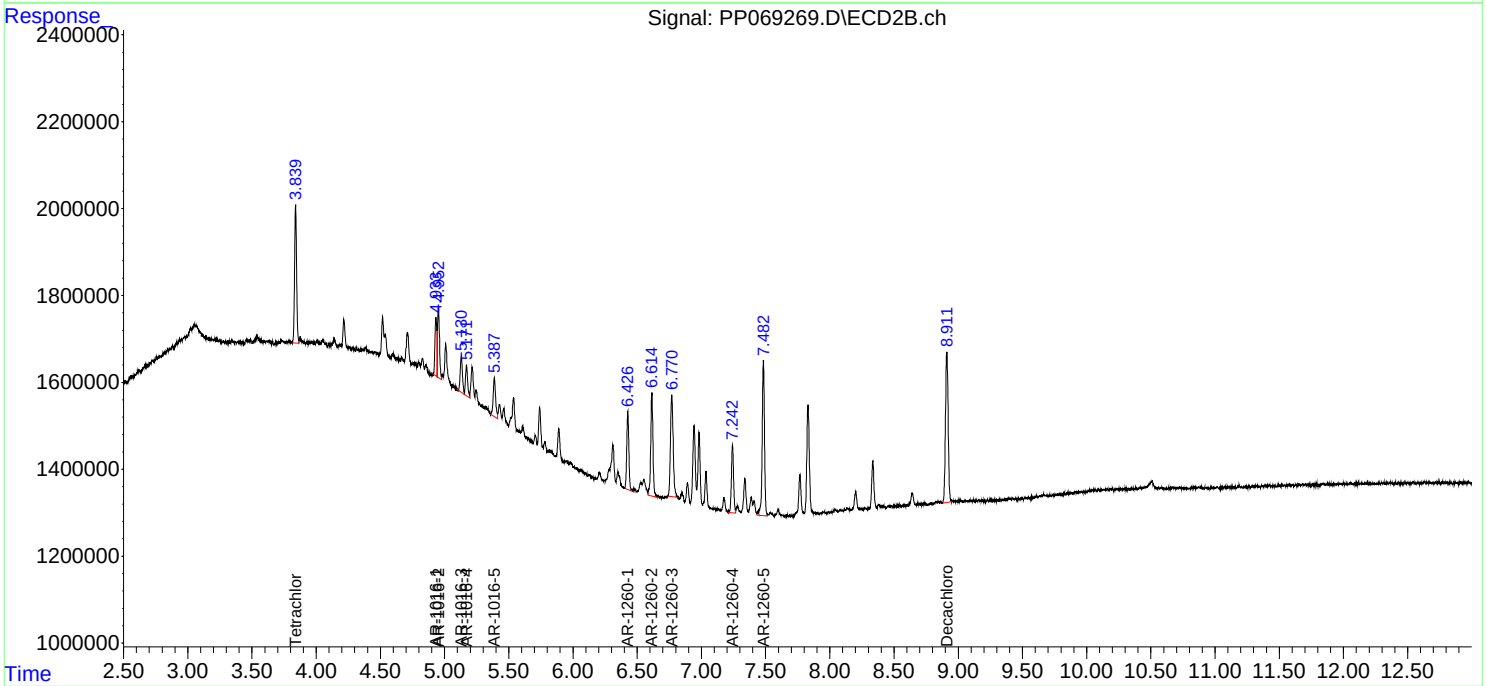
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:15
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

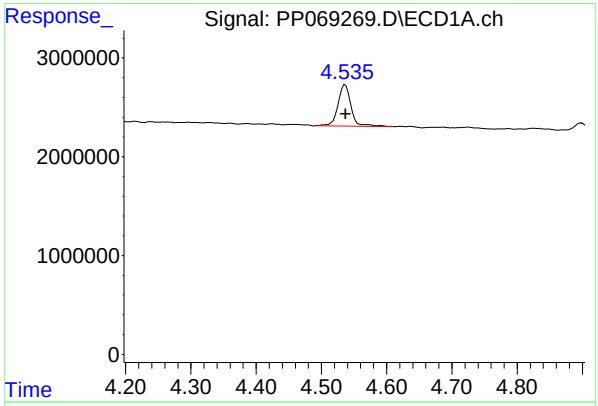
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 11:25:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



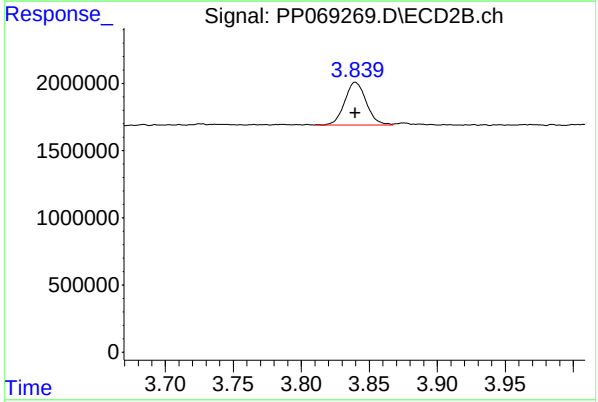




#1 Tetrachloro-m-xylene

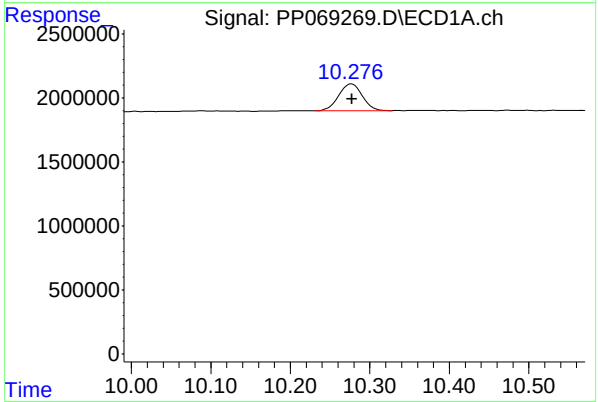
R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 5797759
Conc: 4.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



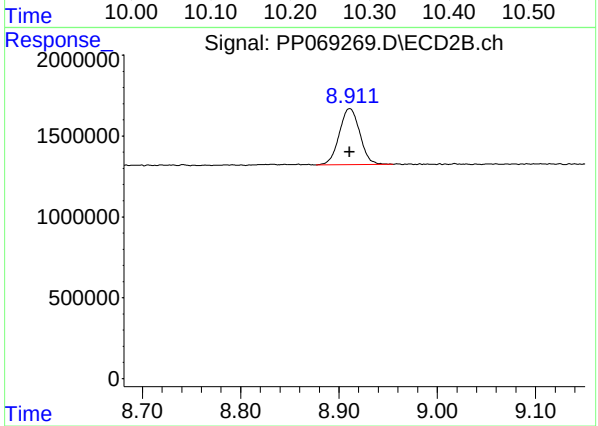
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 3498051
Conc: 3.92 ng/ml



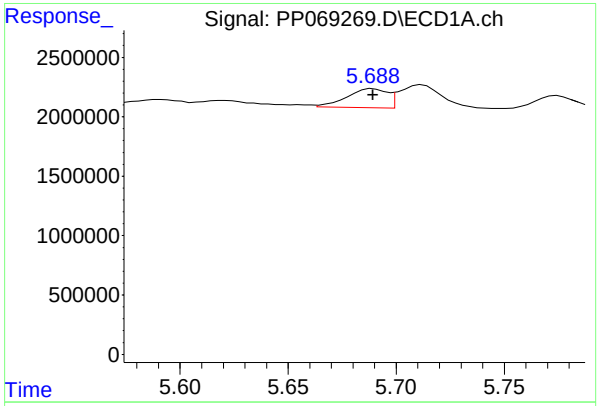
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 4329284
Conc: 3.96 ng/ml



#2 Decachlorobiphenyl

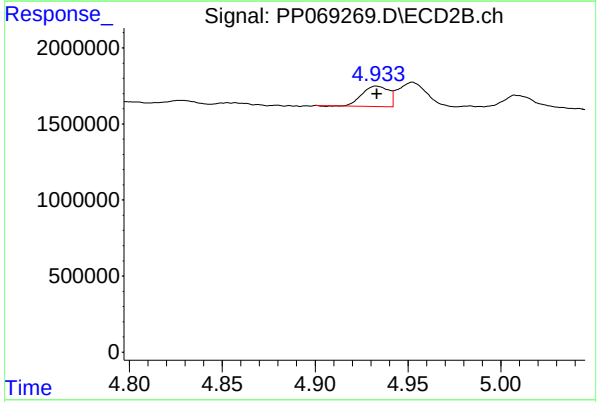
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 5008609
Conc: 4.48 ng/ml



#3 AR-1016-1

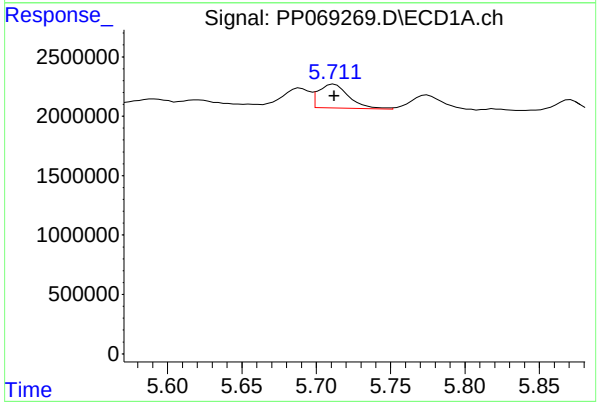
R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 2077472
Conc: 44.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



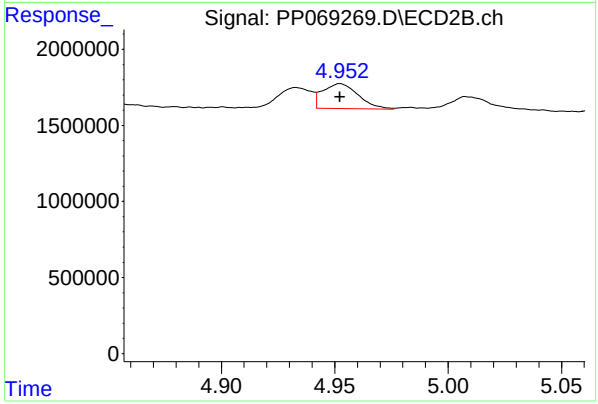
#3 AR-1016-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 1322446
Conc: 40.55 ng/ml



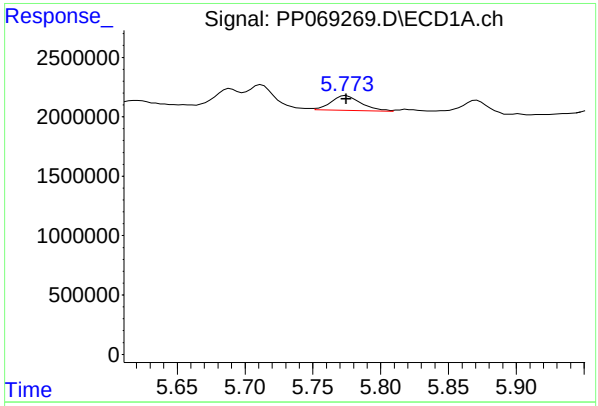
#4 AR-1016-2

R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 2844694
Conc: 41.91 ng/ml



#4 AR-1016-2

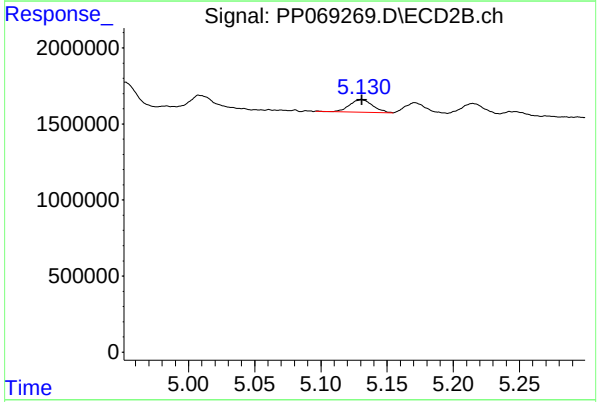
R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 1791138
Conc: 39.84 ng/ml



#5 AR-1016-3

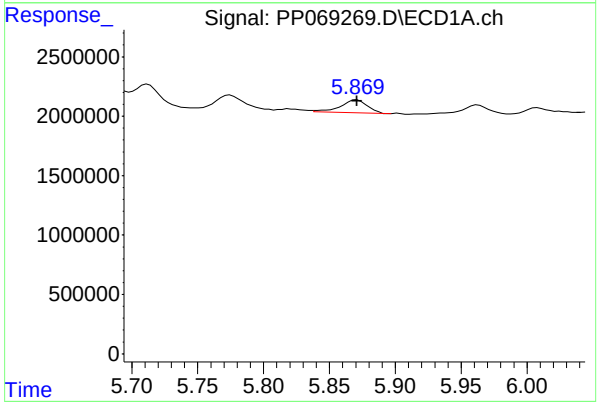
R.T.: 5.775 min
Delta R.T.: 0.000 min
Response: 1932164
Conc: 45.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



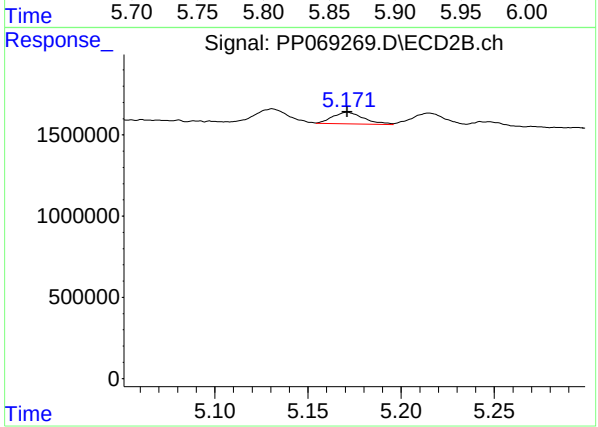
#5 AR-1016-3

R.T.: 5.131 min
Delta R.T.: 0.000 min
Response: 1008385
Conc: 40.52 ng/ml



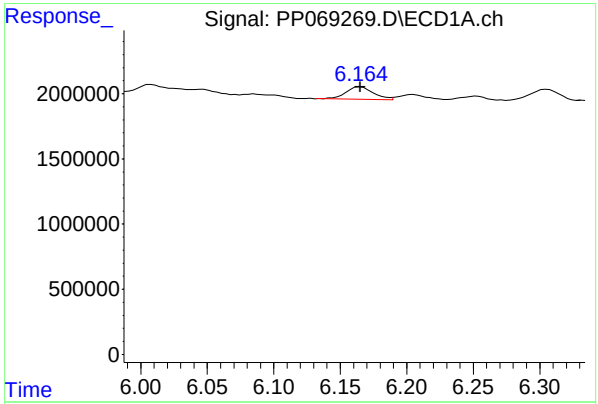
#6 AR-1016-4

R.T.: 5.871 min
Delta R.T.: 0.000 min
Response: 1564979
Conc: 44.71 ng/ml



#6 AR-1016-4

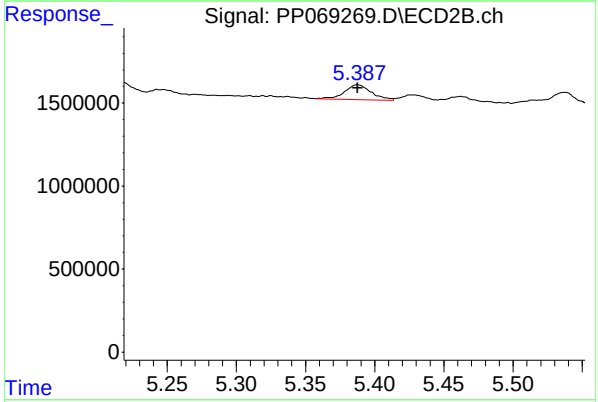
R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 819718
Conc: 40.59 ng/ml



#7 AR-1016-5

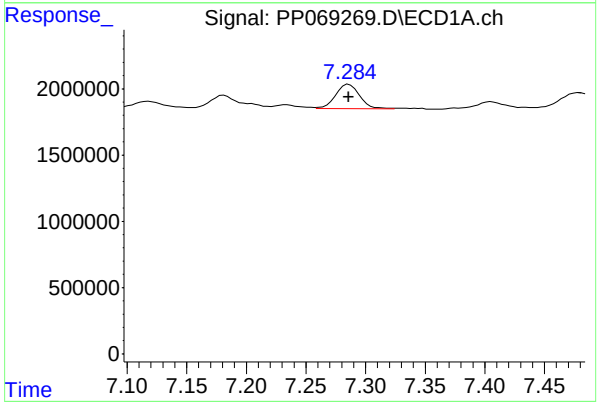
R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 1377377
Conc: 41.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



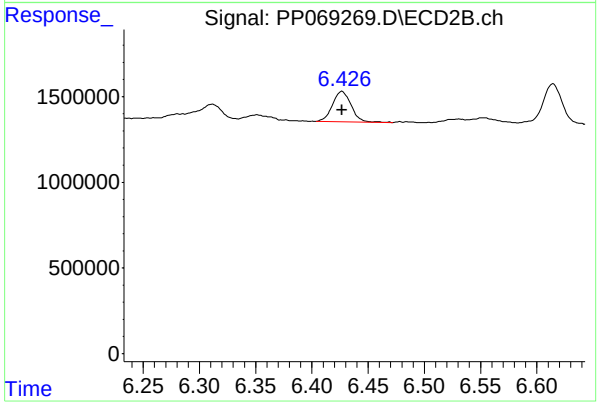
#7 AR-1016-5

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 1199380
Conc: 44.71 ng/ml



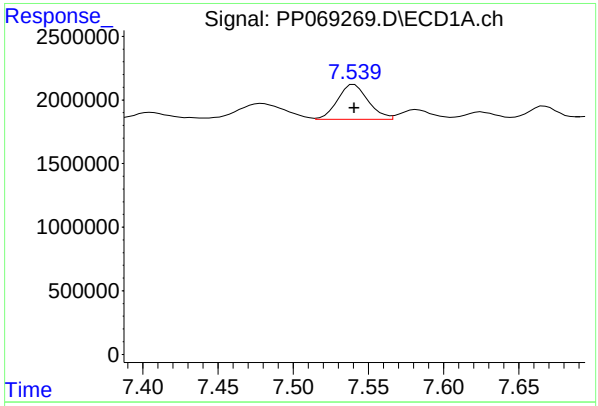
#31 AR-1260-1

R.T.: 7.286 min
Delta R.T.: 0.000 min
Response: 2577078
Conc: 44.10 ng/ml



#31 AR-1260-1

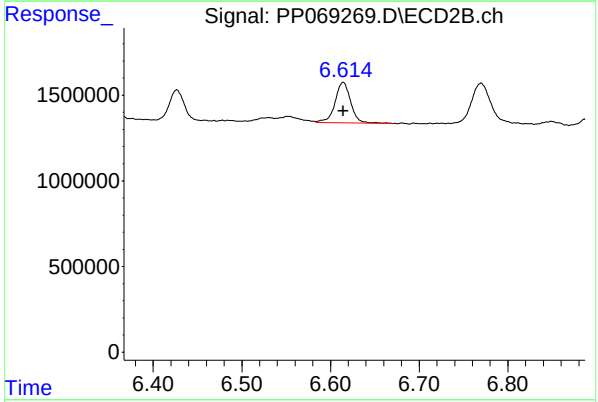
R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 2069154
Conc: 42.90 ng/ml



#32 AR-1260-2

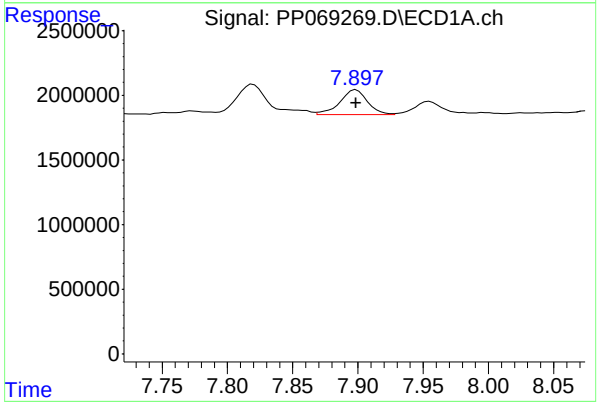
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 3894980
Conc: 50.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



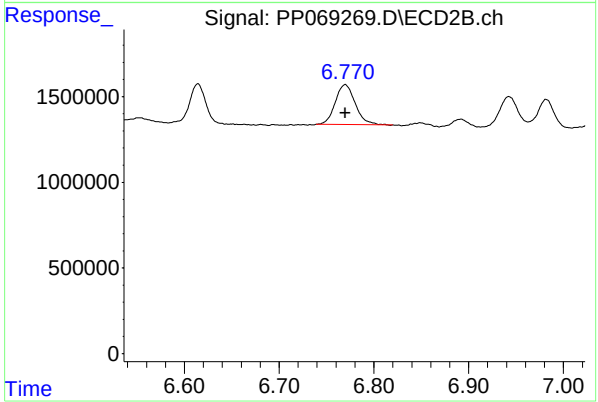
#32 AR-1260-2

R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 2911857
Conc: 47.50 ng/ml



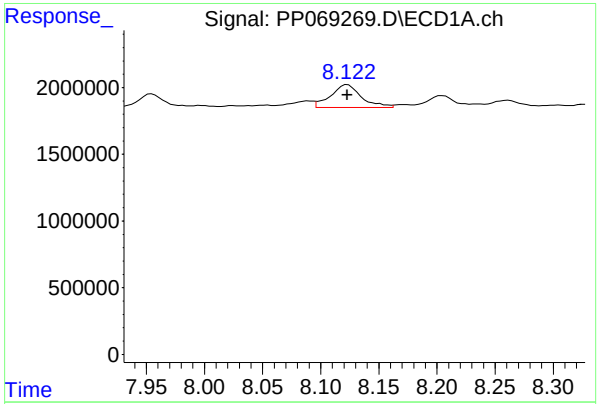
#33 AR-1260-3

R.T.: 7.899 min
Delta R.T.: 0.000 min
Response: 2860067
Conc: 45.75 ng/ml



#33 AR-1260-3

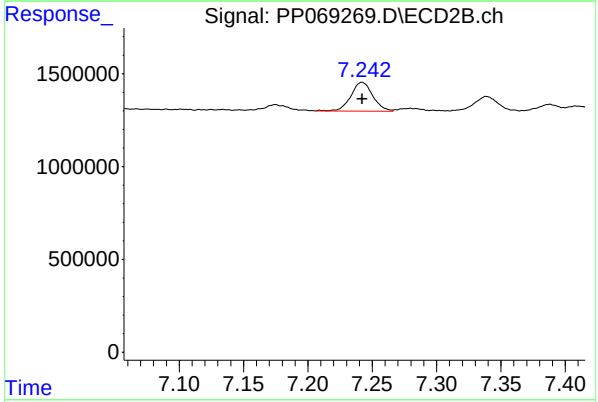
R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 3421860
Conc: 56.88 ng/ml



#34 AR-1260-4

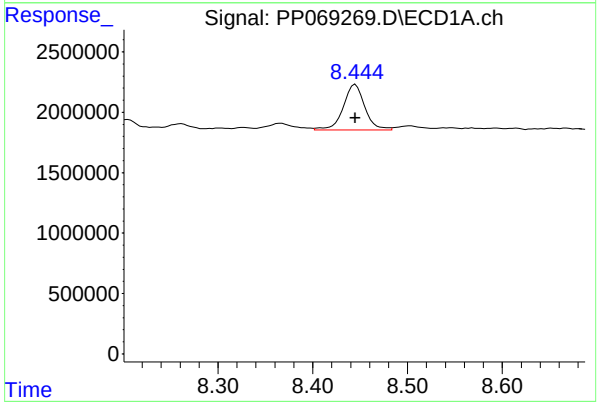
R.T.: 8.123 min
Delta R.T.: 0.000 min
Response: 3126001
Conc: 47.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



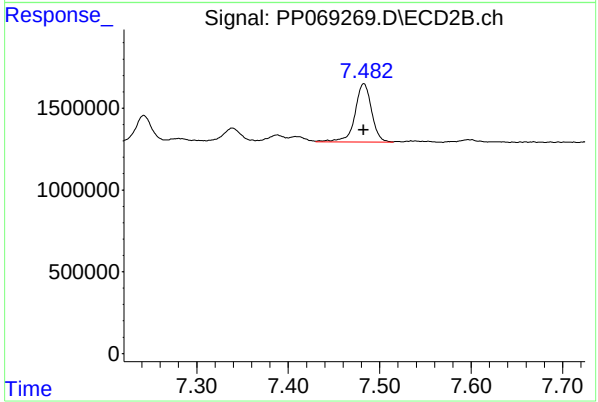
#34 AR-1260-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 1844576
Conc: 39.70 ng/ml



#35 AR-1260-5

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 5956423
Conc: 45.49 ng/ml



#35 AR-1260-5

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 4495023
Conc: 40.44 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:32
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: Jan 28 12:19:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:18:31 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...	4.536	3.841	77593750	47197929	50.000	50.000
2)	SA Decachlor...	10.277	8.912	57060610	57628532	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.737	4.054	9509743	6159012	500.000	500.000
9)	L2 AR-1221-2	4.823	4.140	6846250	4841688	500.000	500.000
10)	L2 AR-1221-3	4.899	4.218	20971708	14587072	500.000	500.000

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

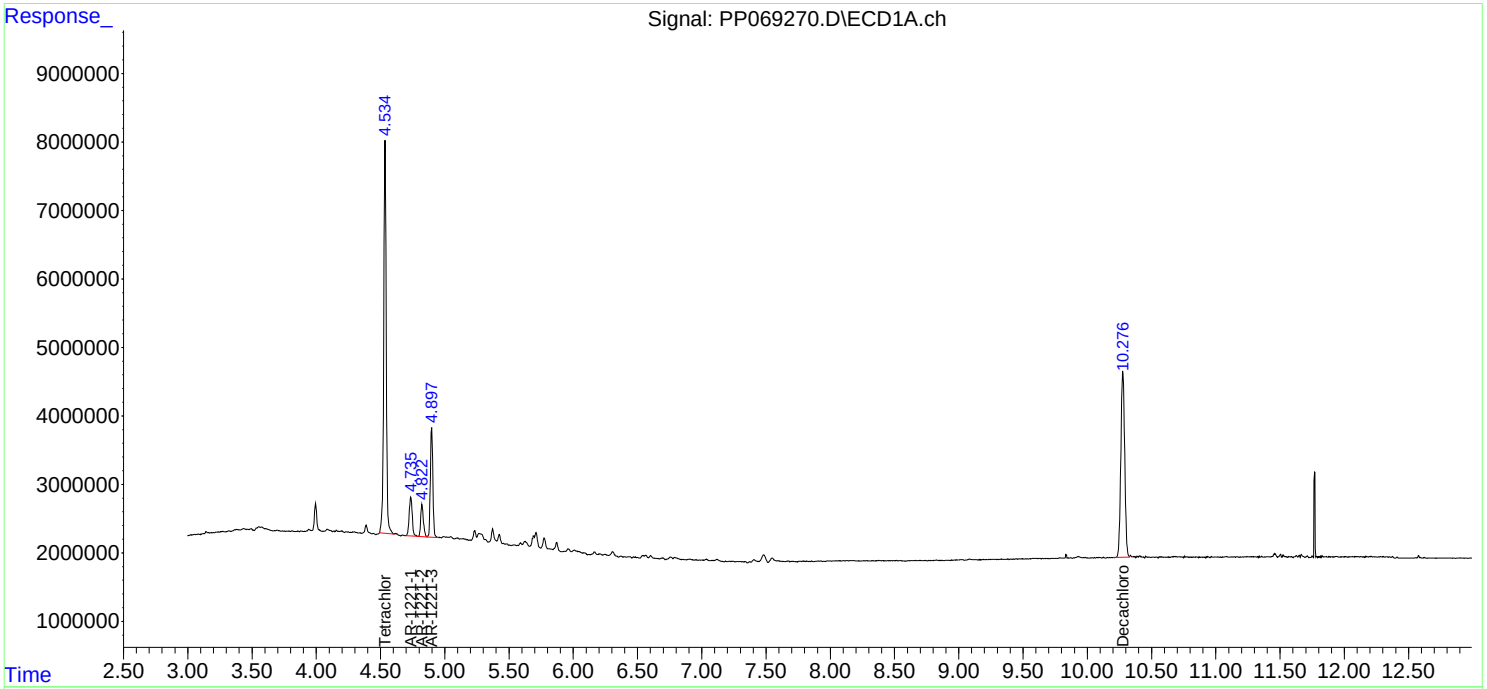
ICAL Form

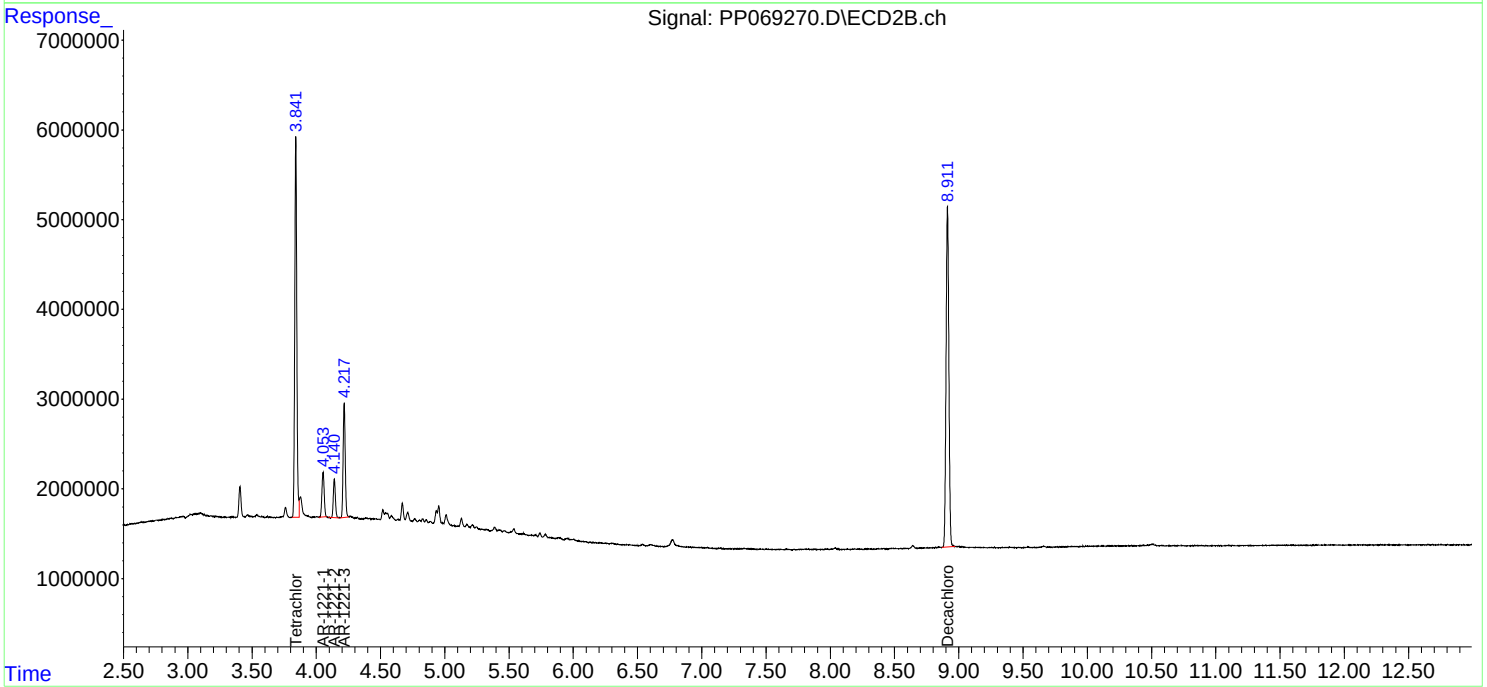
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:32
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

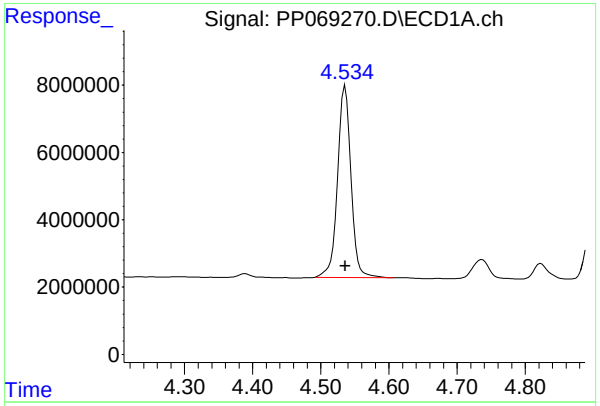
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 12:19:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:18:31 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



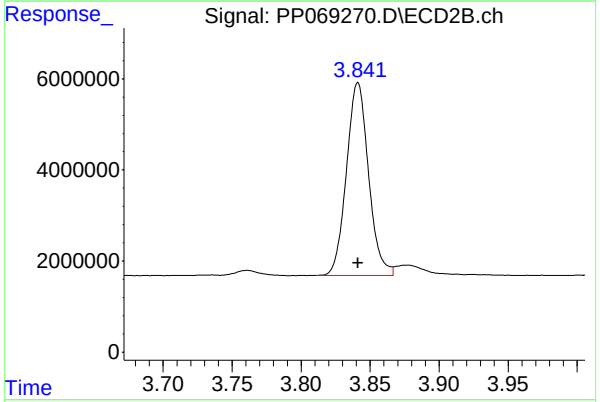




#1 Tetrachloro-m-xylene

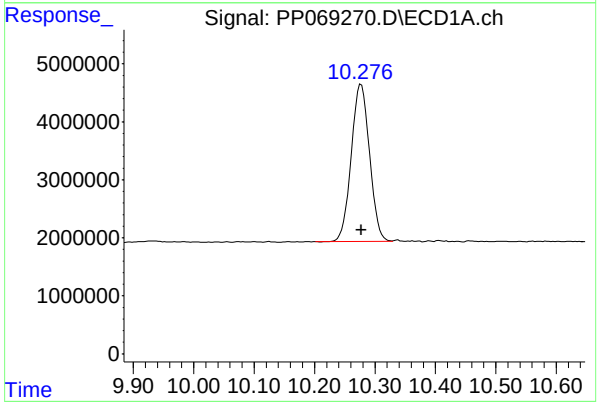
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 77593750
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



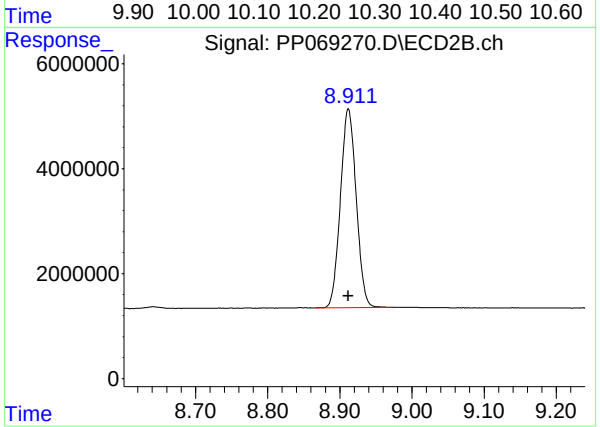
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 47197929
Conc: 50.00 ng/ml



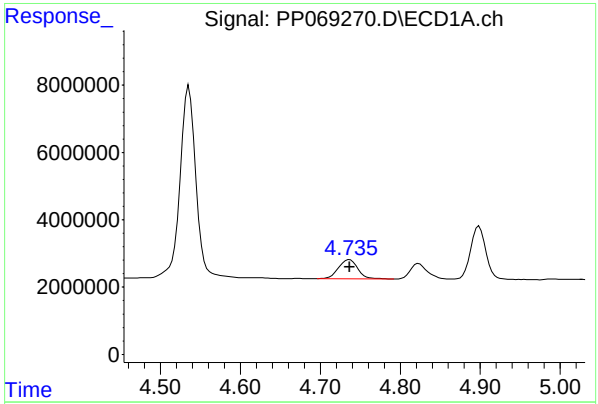
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 57060610
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

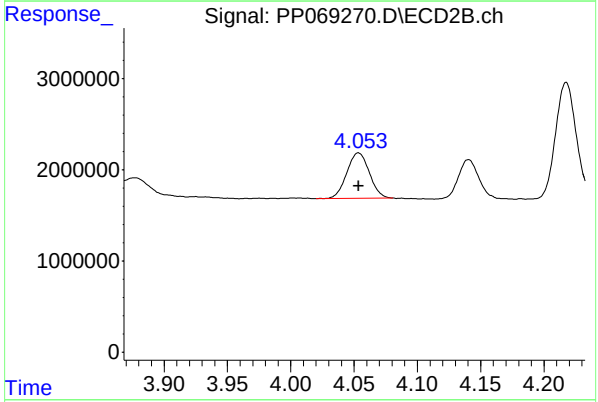
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 57628532
Conc: 50.00 ng/ml



#8 AR-1221-1

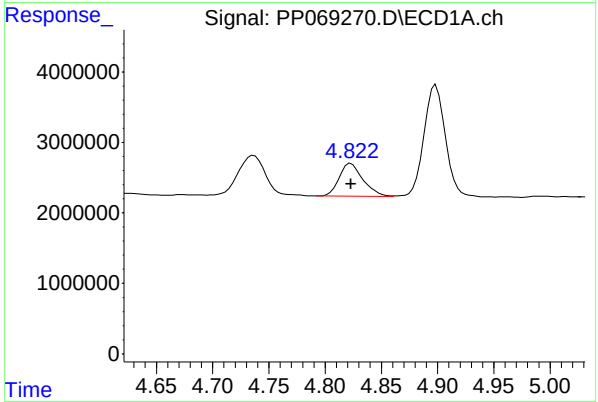
R.T.: 4.737 min
Delta R.T.: 0.000 min
Response: 9509743
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



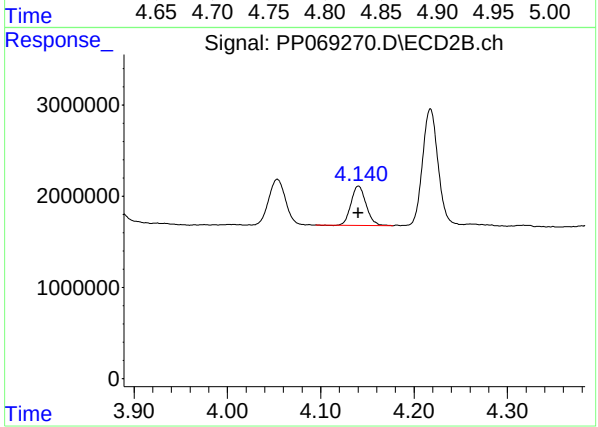
#8 AR-1221-1

R.T.: 4.054 min
Delta R.T.: 0.000 min
Response: 6159012
Conc: 500.00 ng/ml



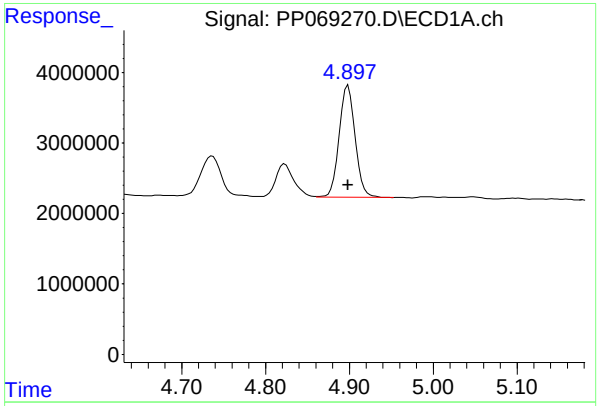
#9 AR-1221-2

R.T.: 4.823 min
Delta R.T.: 0.000 min
Response: 6846250
Conc: 500.00 ng/ml



#9 AR-1221-2

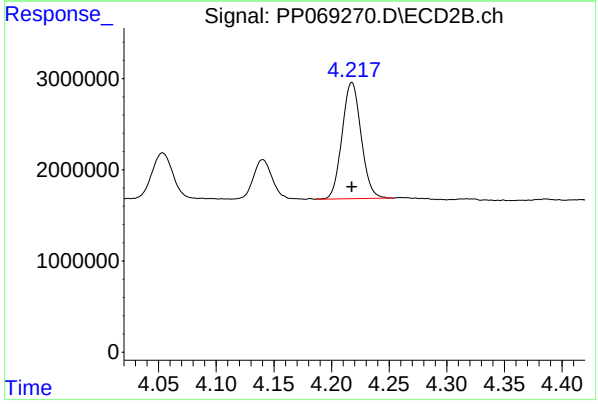
R.T.: 4.140 min
Delta R.T.: 0.000 min
Response: 4841688
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 20971708
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.218 min
Delta R.T.: 0.000 min
Response: 14587072
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:48
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 12:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:28:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.534	3.840	75836116	46716501	50.000	50.000
2)	SA Decachlor...	10.275	8.909	56382246	56029362	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.897	4.215	16646809	11739749	500.000	500.000
12)	L3 AR-1232-2	5.424	4.952	8171005	11785884	500.000	500.000
13)	L3 AR-1232-3	5.710	5.129	17179485	6473622	500.000	500.000
14)	L3 AR-1232-4	5.870	5.214	8908099	5543155	500.000	500.000
15)	L3 AR-1232-5	5.960	5.387	5731209	6105160	500.000	500.000

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

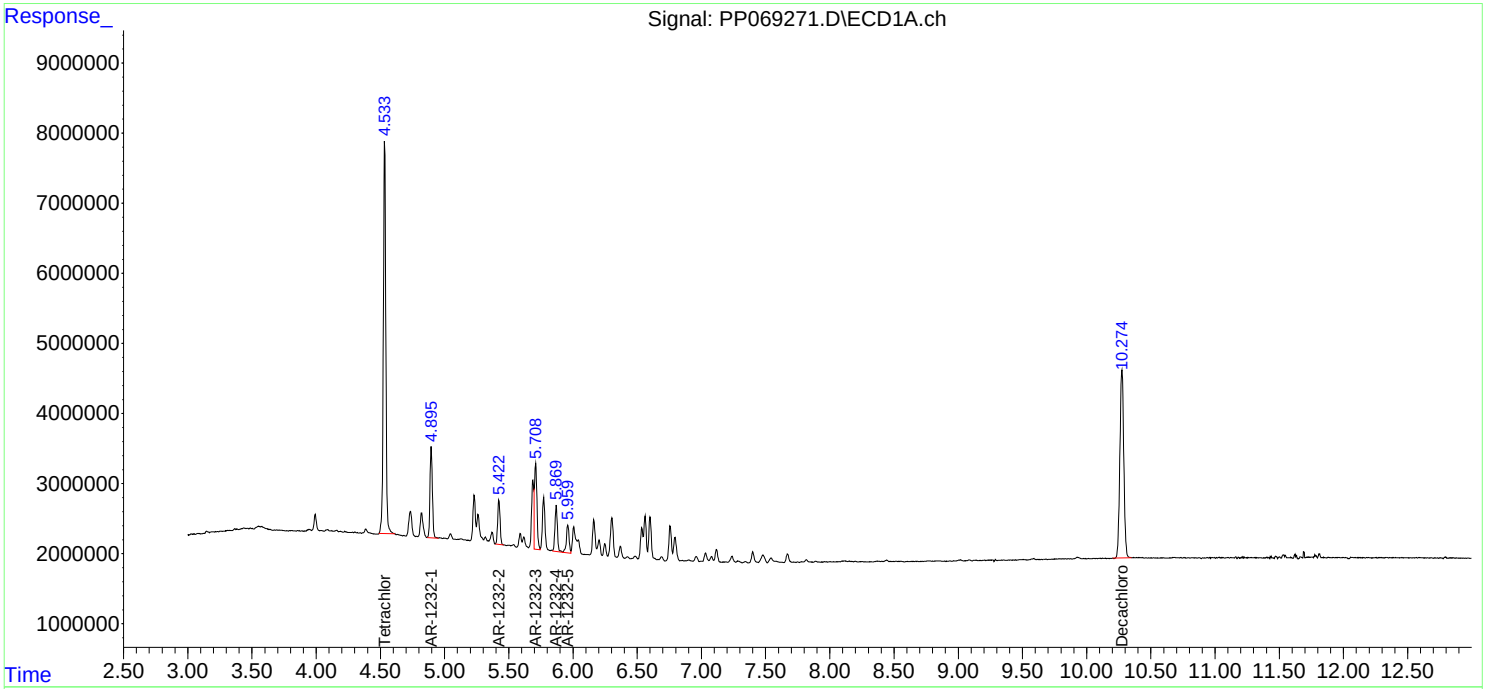
ICAL Form

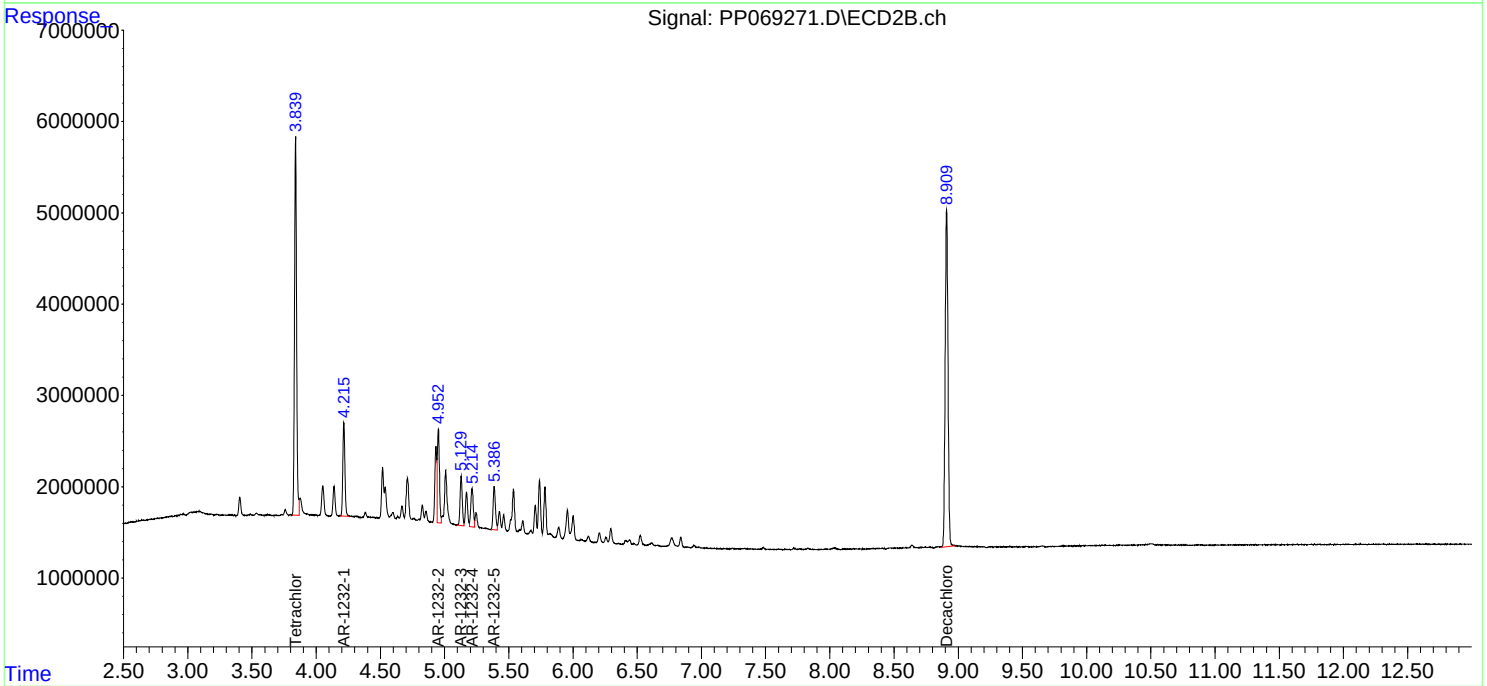
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:48
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

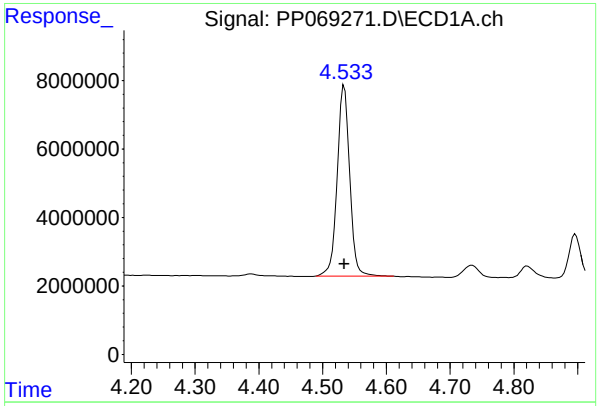
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 12:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:28:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



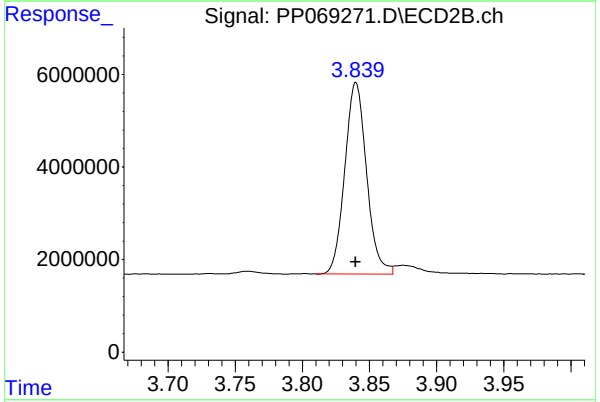




#1 Tetrachloro-m-xylene

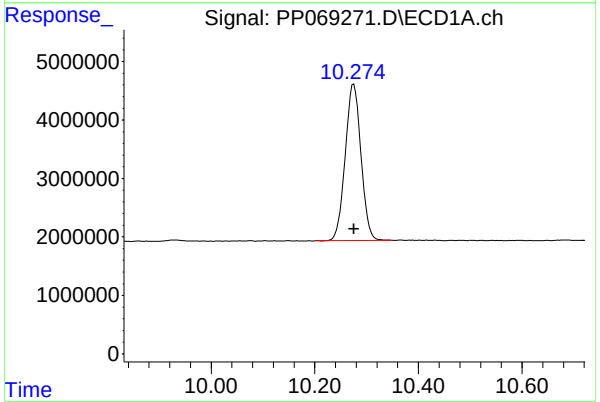
R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 75836116
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



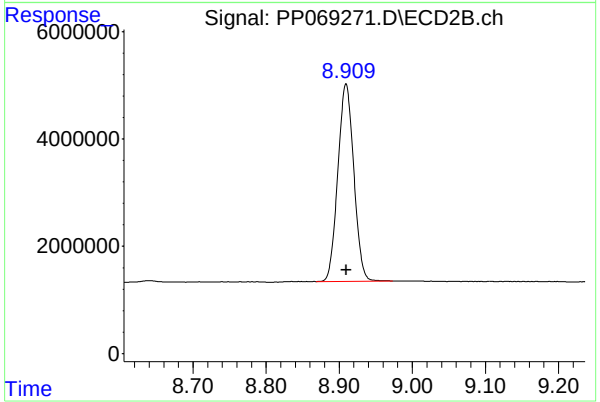
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 46716501
Conc: 50.00 ng/ml



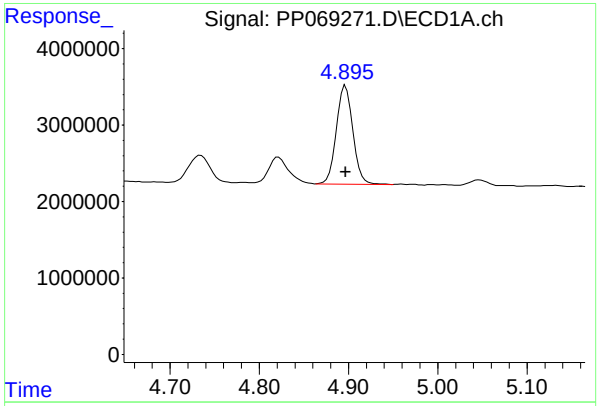
#2 Decachlorobiphenyl

R.T.: 10.275 min
Delta R.T.: 0.000 min
Response: 56382246
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

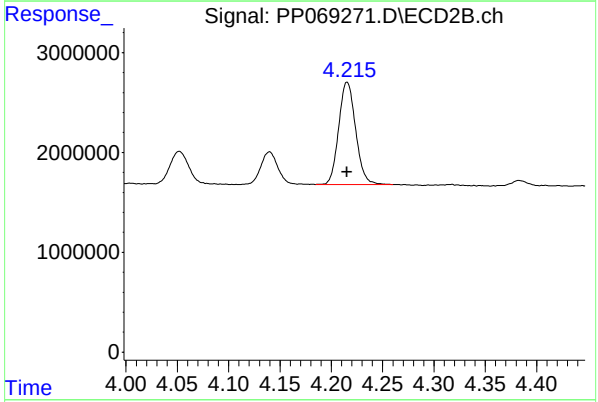
R.T.: 8.909 min
Delta R.T.: 0.000 min
Response: 56029362
Conc: 50.00 ng/ml



#11 AR-1232-1

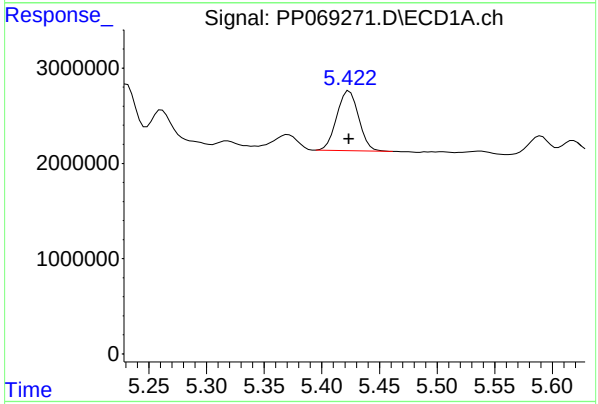
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 16646809
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



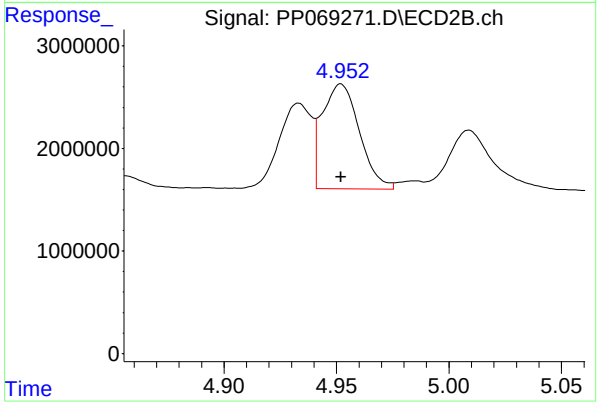
#11 AR-1232-1

R.T.: 4.215 min
Delta R.T.: 0.000 min
Response: 11739749
Conc: 500.00 ng/ml



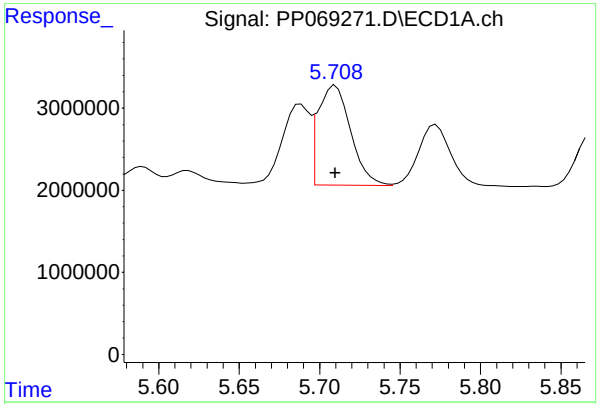
#12 AR-1232-2

R.T.: 5.424 min
Delta R.T.: 0.000 min
Response: 8171005
Conc: 500.00 ng/ml



#12 AR-1232-2

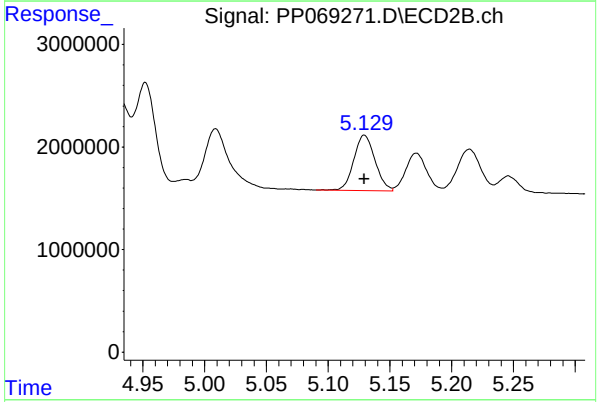
R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 11785884
Conc: 500.00 ng/ml



#13 AR-1232-3

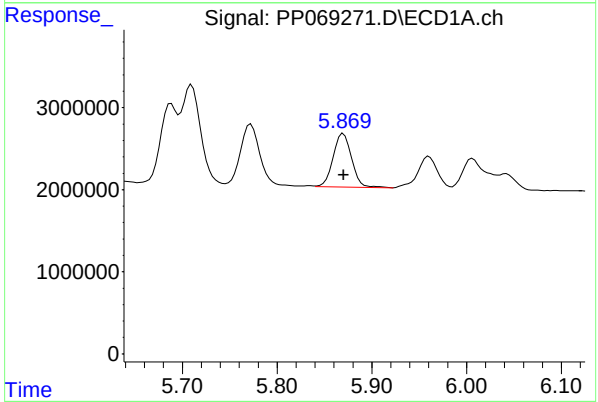
R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 17179485
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



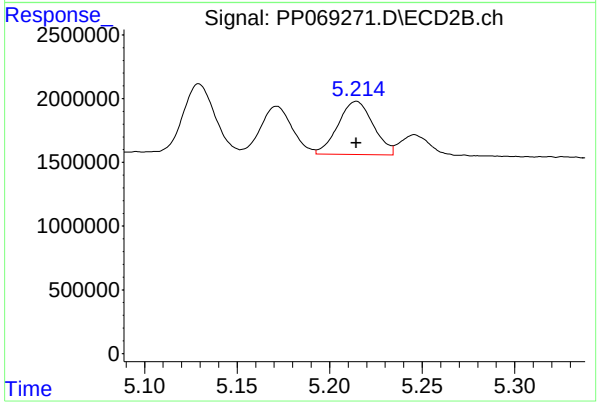
#13 AR-1232-3

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 6473622
Conc: 500.00 ng/ml



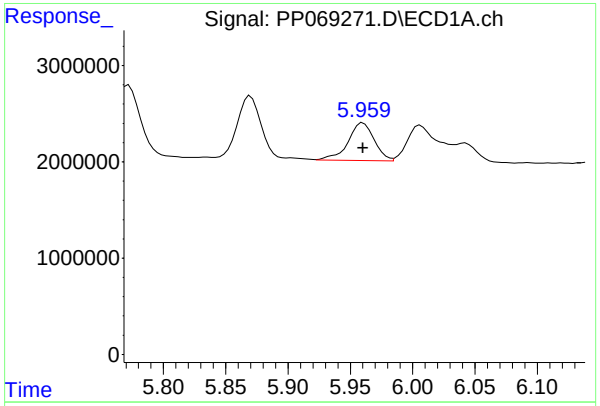
#14 AR-1232-4

R.T.: 5.870 min
Delta R.T.: 0.000 min
Response: 8908099
Conc: 500.00 ng/ml



#14 AR-1232-4

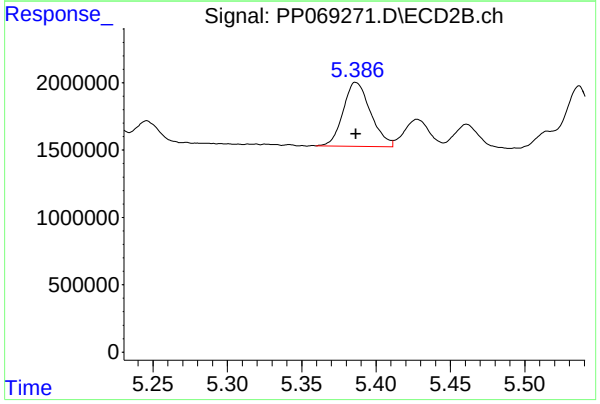
R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 5543155
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.960 min
Delta R.T.: 0.000 mi
Response: 5731209
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.387 min
Delta R.T.: 0.000 min
Response: 6105160
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:04
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:22:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.538	3.840	143.5E6	94800860	96.567	97.029
2)	SA Decachlor...	10.279	8.910	104.6E6	107.1E6	95.779	93.248
	Target Compounds						
16)	L4 AR-1242-1	5.692	4.933	38881934	28457446	945.469	971.653
17)	L4 AR-1242-2	5.714	4.952	57026747	39820013	957.279	976.164
18)	L4 AR-1242-3	5.776	5.130	35212135	22243475	948.765	965.856
19)	L4 AR-1242-4	5.874	5.214	29733477	21211563	952.104	956.949
20)	L4 AR-1242-5	6.605	5.741	31146343	28383043	949.086	965.642

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

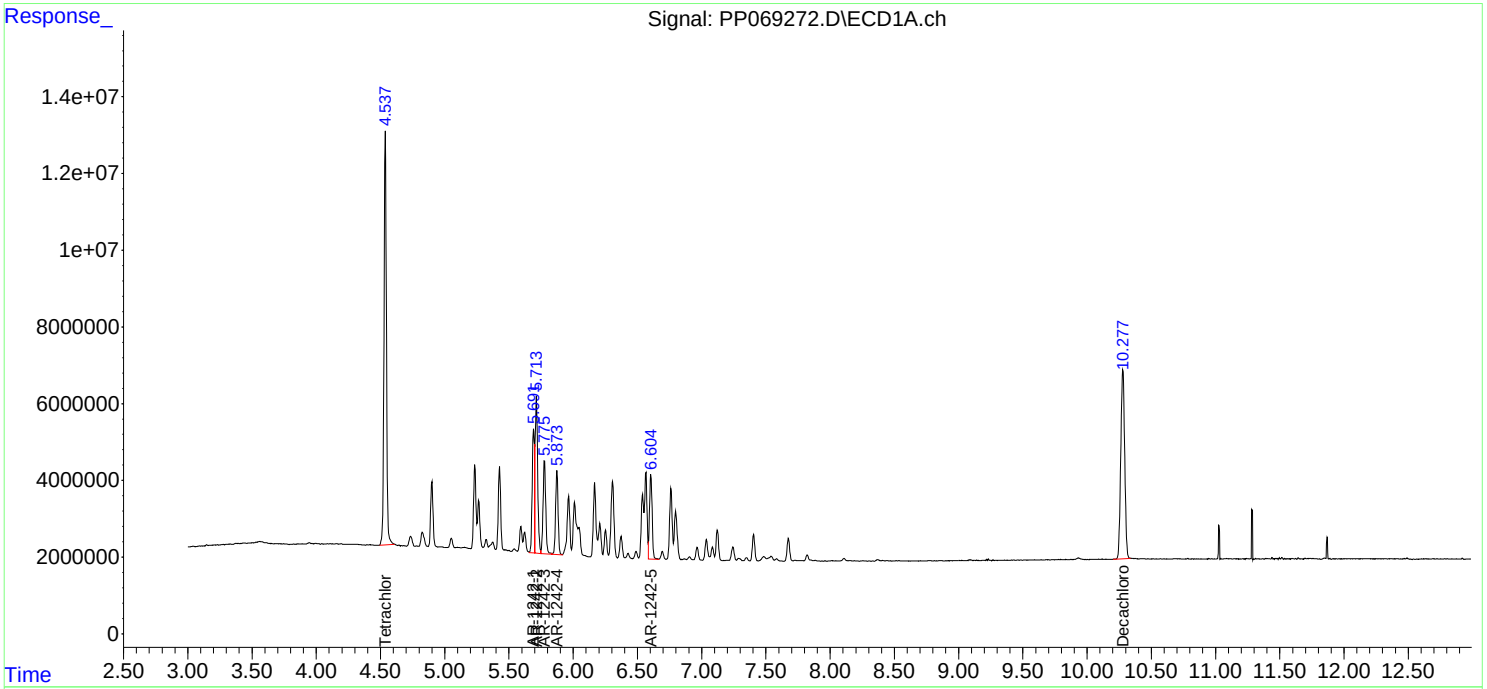
ICAL Form

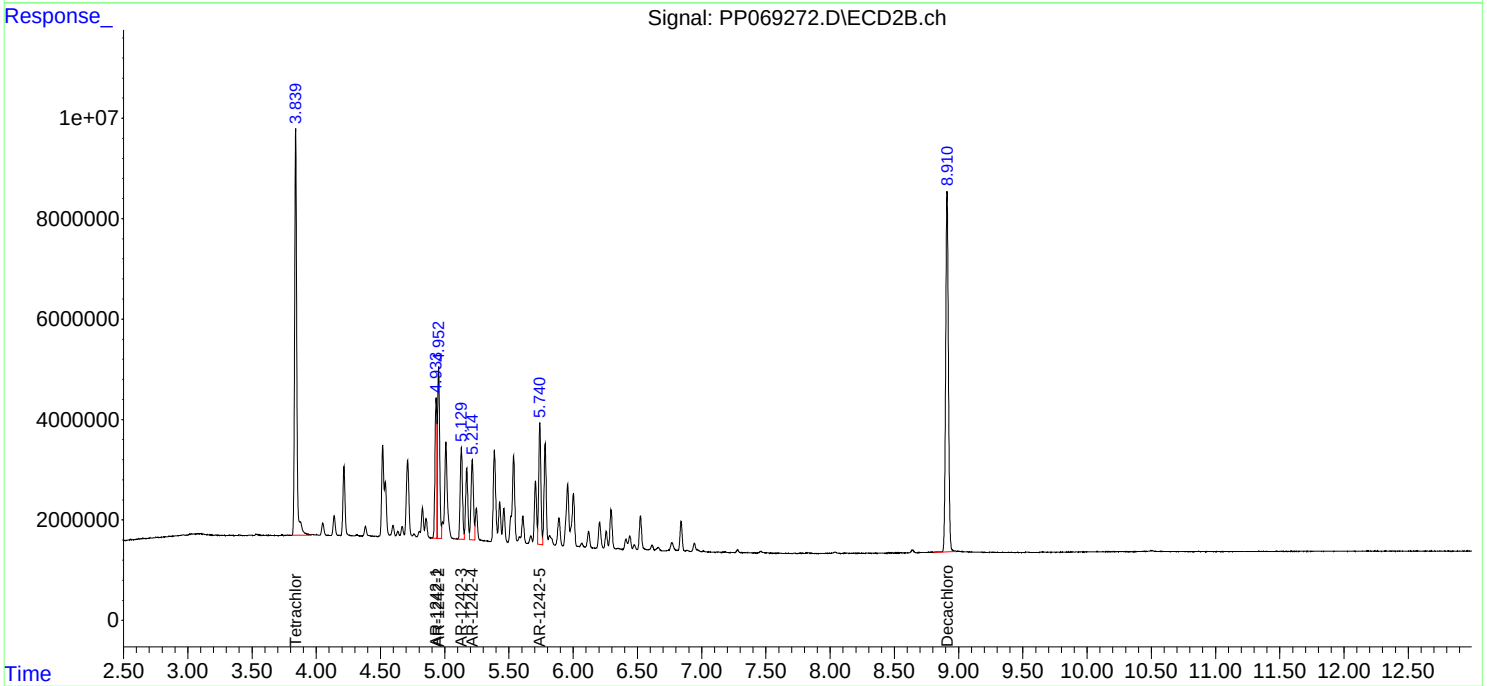
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:04
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

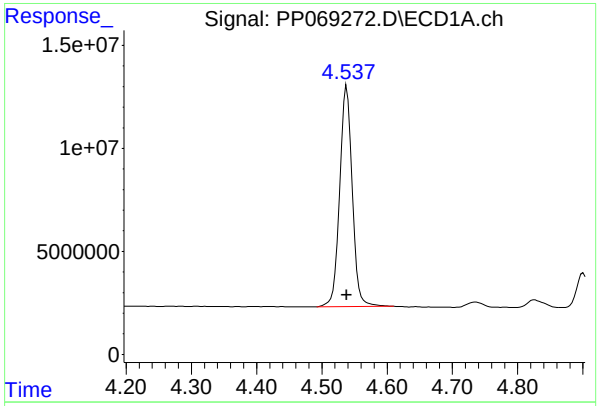
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:22:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



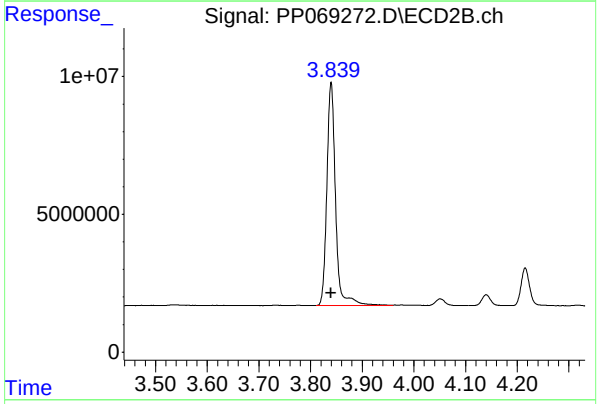




#1 Tetrachloro-m-xylene

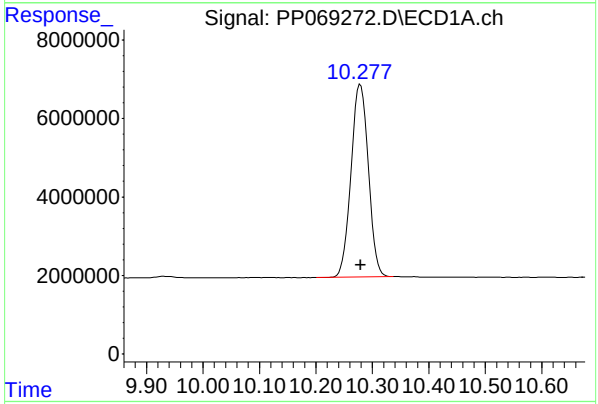
R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 143525492
Conc: 96.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



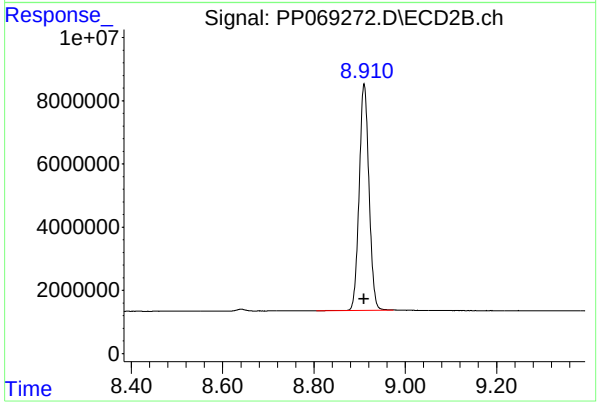
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 94800860
Conc: 97.03 ng/ml



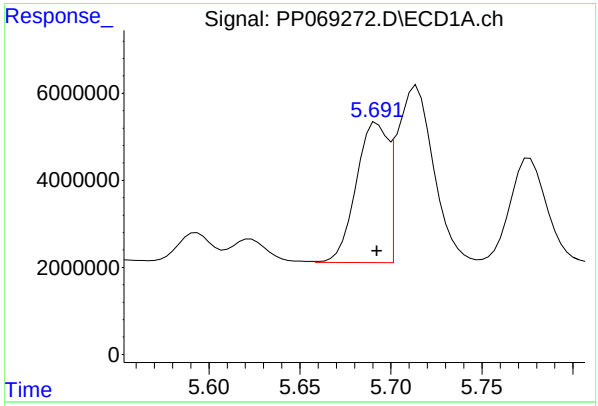
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 104619987
Conc: 95.78 ng/ml



#2 Decachlorobiphenyl

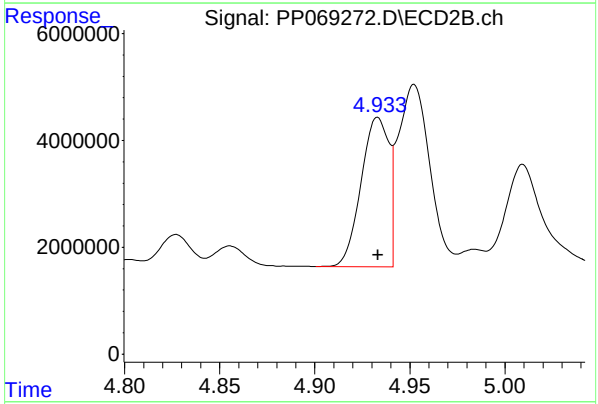
R.T.: 8.910 min
Delta R.T.: 0.000 min
Response: 107057294
Conc: 93.25 ng/ml



#16 AR-1242-1

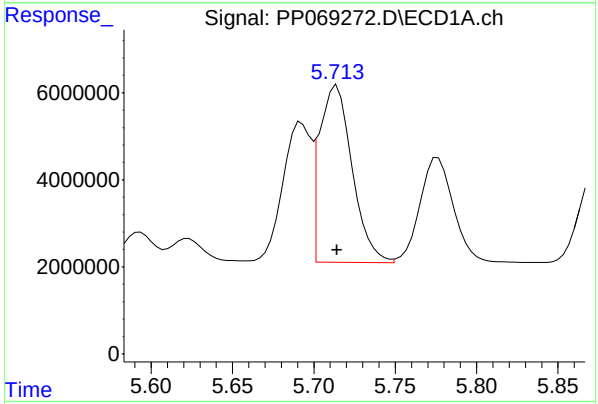
R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 38881934
Conc: 945.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



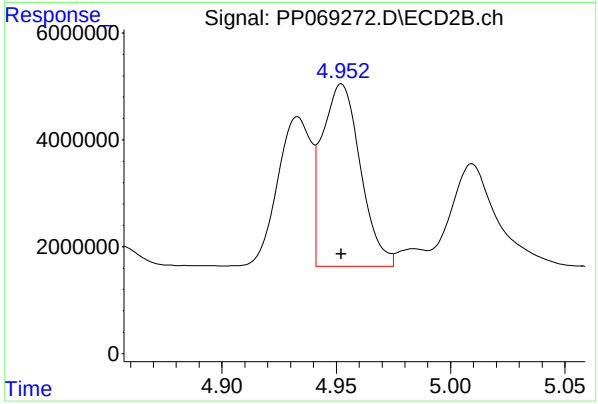
#16 AR-1242-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 28457446
Conc: 971.65 ng/ml



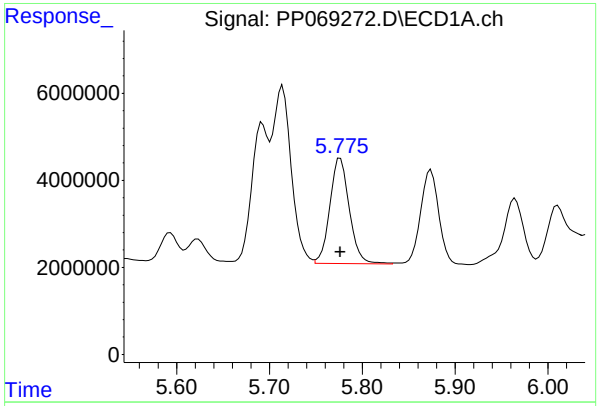
#17 AR-1242-2

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 57026747
Conc: 957.28 ng/ml



#17 AR-1242-2

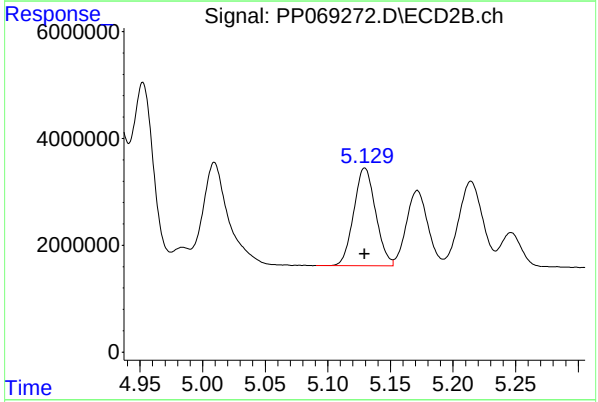
R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 39820013
Conc: 976.16 ng/ml



#18 AR-1242-3

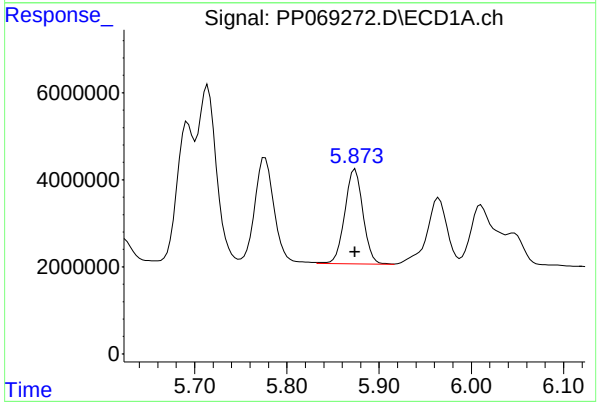
R.T.: 5.776 min
Delta R.T.: 0.000 min
Response: 35212135
Conc: 948.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



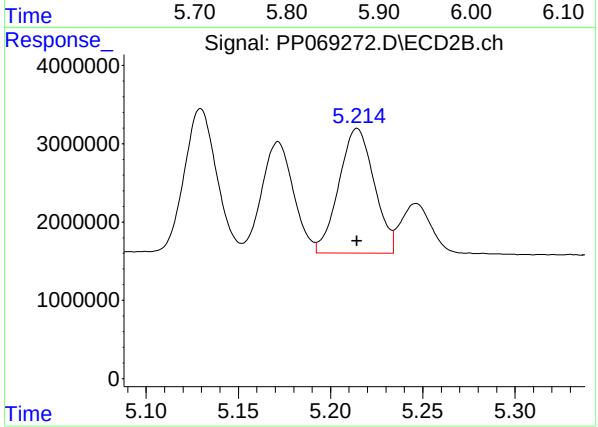
#18 AR-1242-3

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 22243475
Conc: 965.86 ng/ml



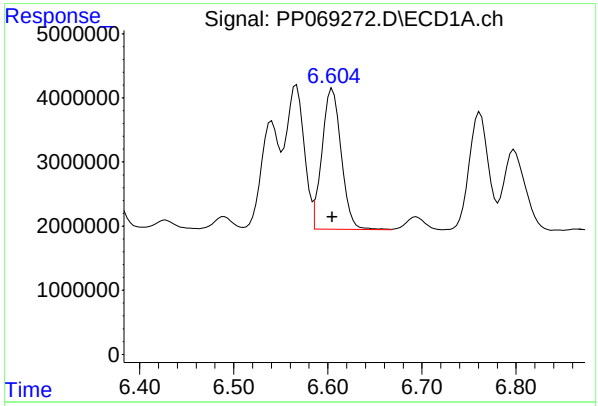
#19 AR-1242-4

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 29733477
Conc: 952.10 ng/ml



#19 AR-1242-4

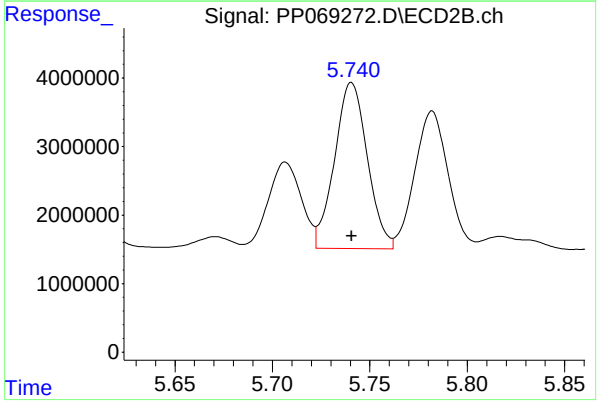
R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 21211563
Conc: 956.95 ng/ml



#20 AR-1242-5

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 31146343
Conc: 949.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.741 min
Delta R.T.: 0.000 min
Response: 28383043
Conc: 965.64 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:21
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:25:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.537	3.841	109.4E6	69163237	74.055	71.331
2)	SA Decachlor...	10.278	8.912	81129584	78177684	74.514	70.250
	Target Compounds						
16)	L4 AR-1242-1	5.691	4.934	30137750	21839944	738.473	747.131
17)	L4 AR-1242-2	5.713	4.953	43422173	29956153	735.804	739.499
18)	L4 AR-1242-3	5.776	5.131	26901679	16691146	733.041	732.984
19)	L4 AR-1242-4	5.873	5.215	22891135	16031239	738.583	731.946
20)	L4 AR-1242-5	6.604	5.741	24145693	21175650	740.449	730.027

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

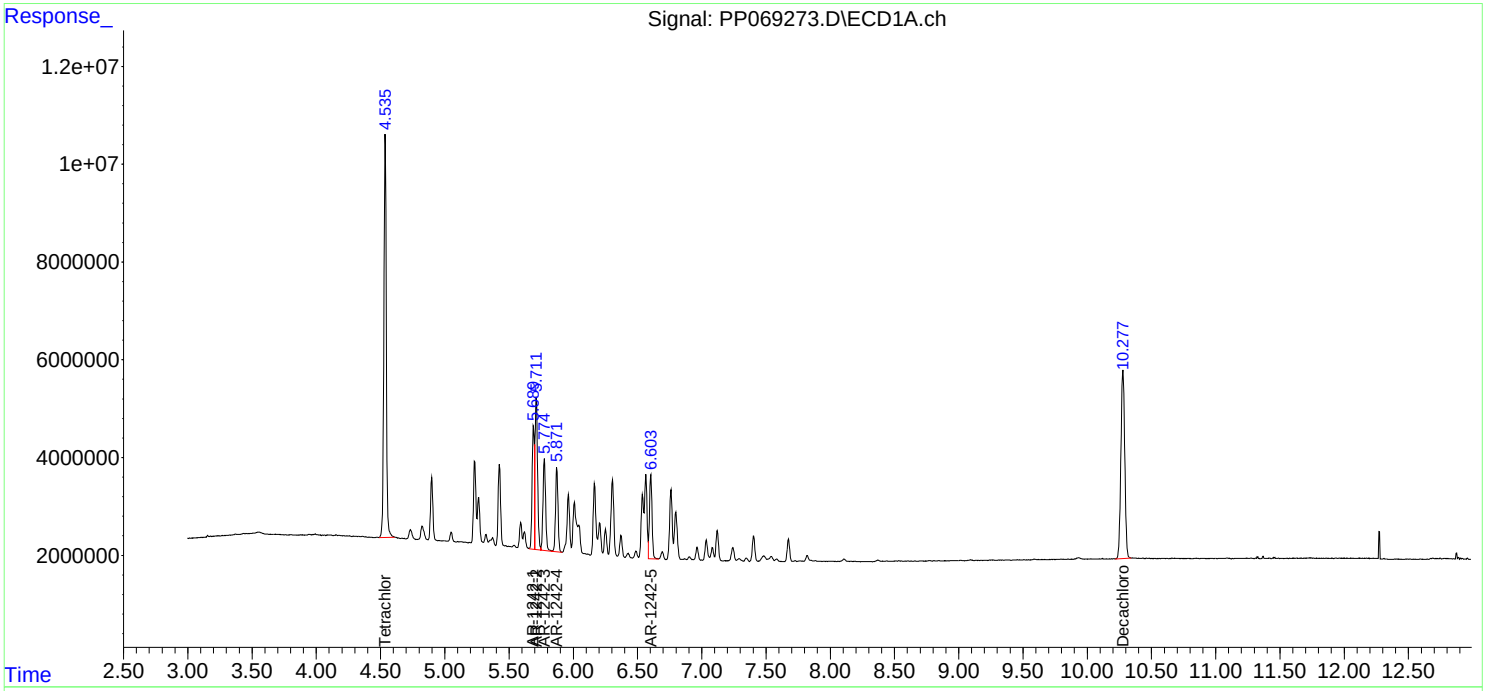
ICAL Form

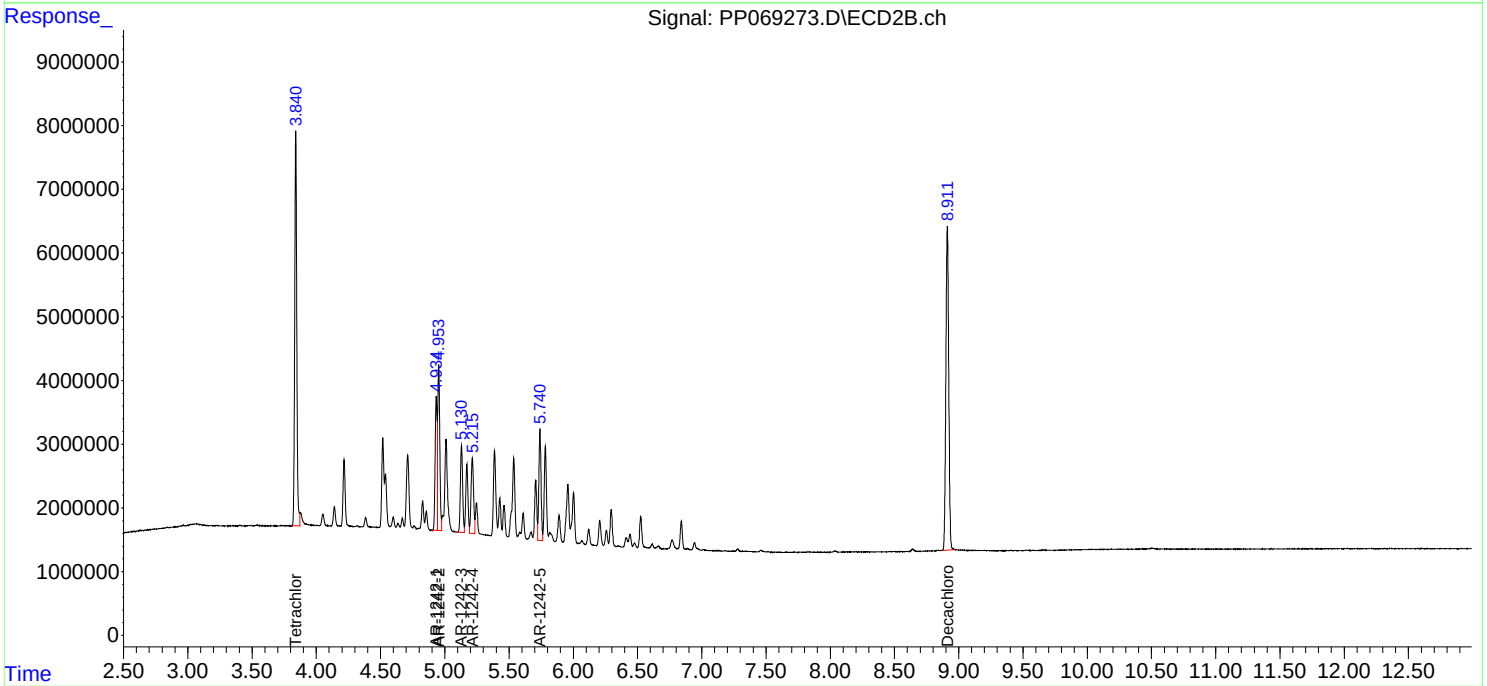
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:21
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

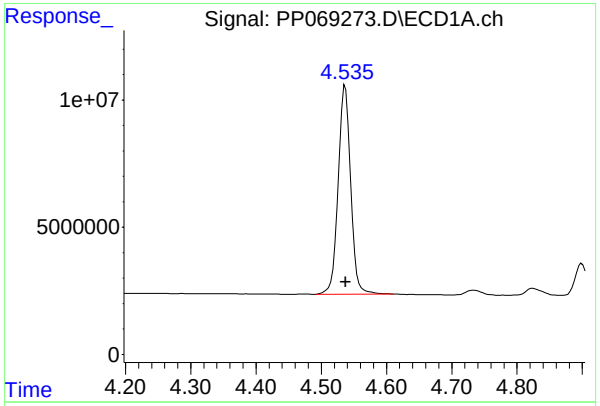
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:25:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



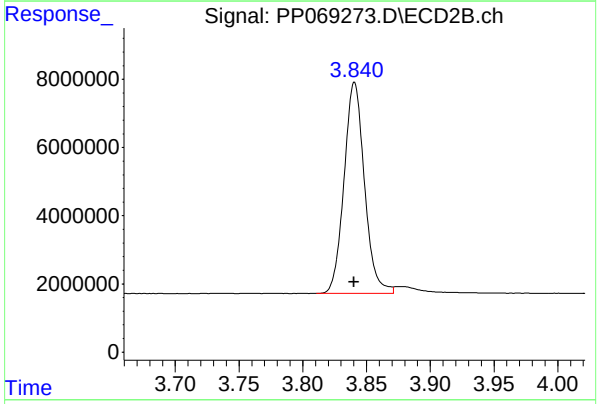




#1 Tetrachloro-m-xylene

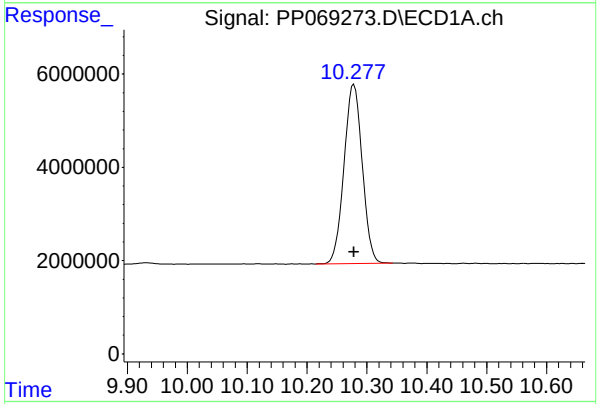
R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 109377354
Conc: 74.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



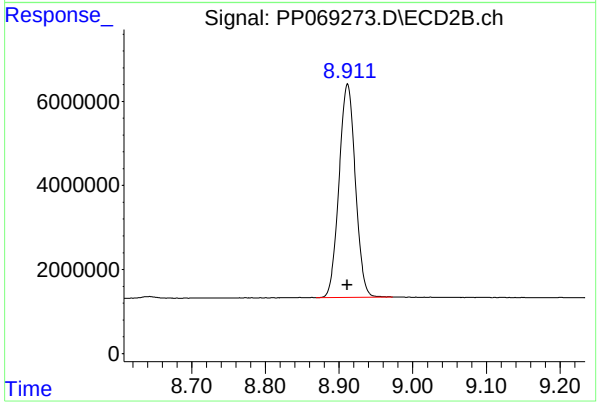
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 69163237
Conc: 71.33 ng/ml



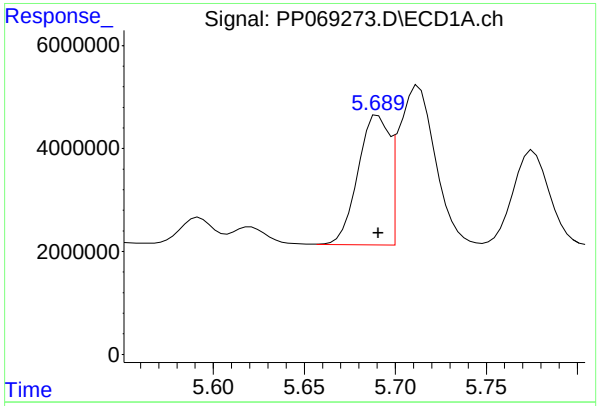
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 81129584
Conc: 74.51 ng/ml



#2 Decachlorobiphenyl

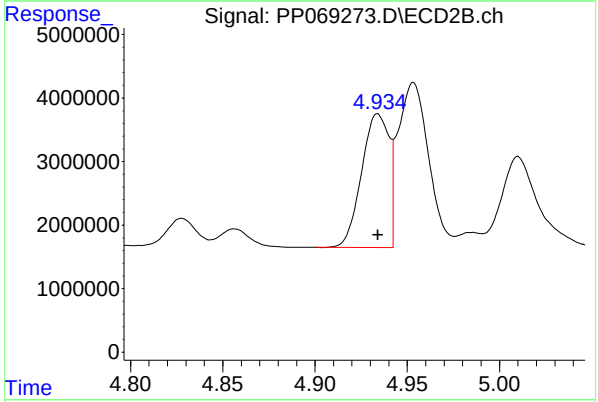
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 78177684
Conc: 70.25 ng/ml



#16 AR-1242-1

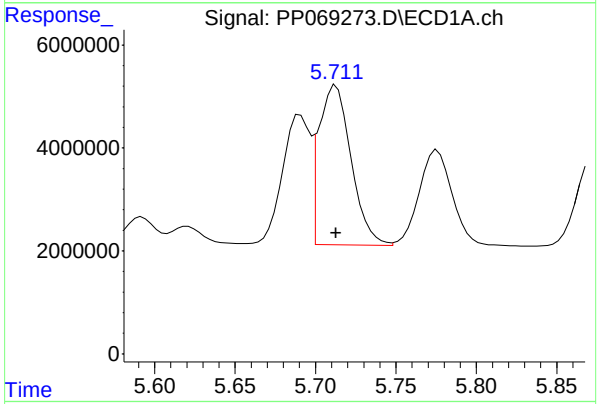
R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 30137750
Conc: 738.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



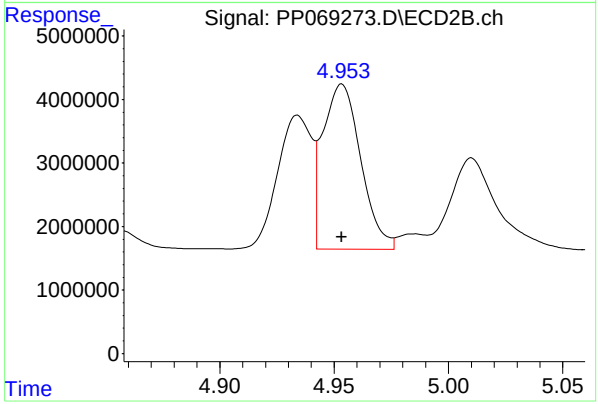
#16 AR-1242-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 21839944
Conc: 747.13 ng/ml



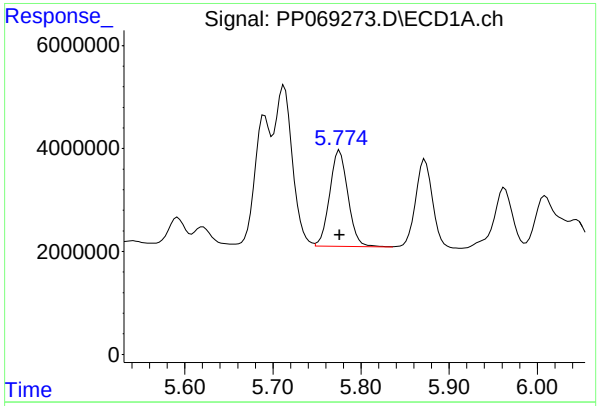
#17 AR-1242-2

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 43422173
Conc: 735.80 ng/ml



#17 AR-1242-2

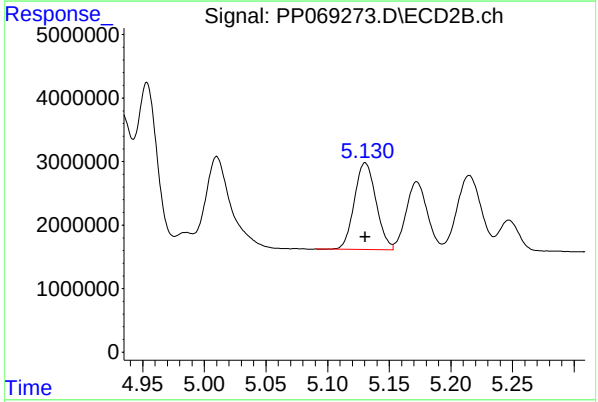
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 29956153
Conc: 739.50 ng/ml



#18 AR-1242-3

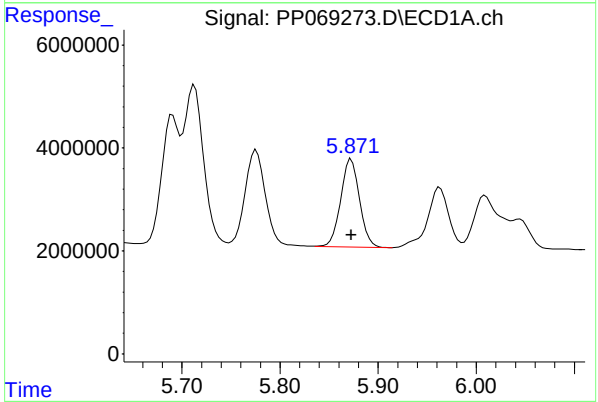
R.T.: 5.776 min
Delta R.T.: 0.000 min
Response: 26901679
Conc: 733.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



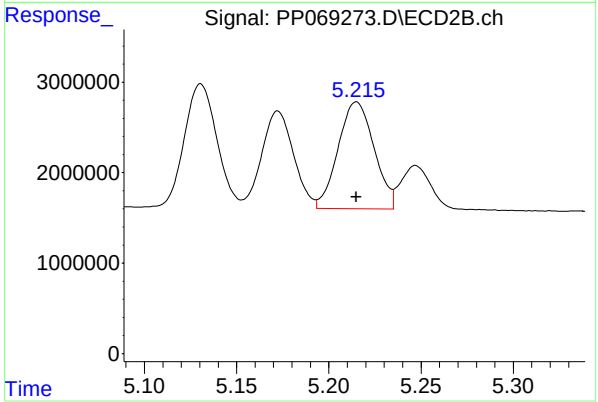
#18 AR-1242-3

R.T.: 5.131 min
Delta R.T.: 0.000 min
Response: 16691146
Conc: 732.98 ng/ml



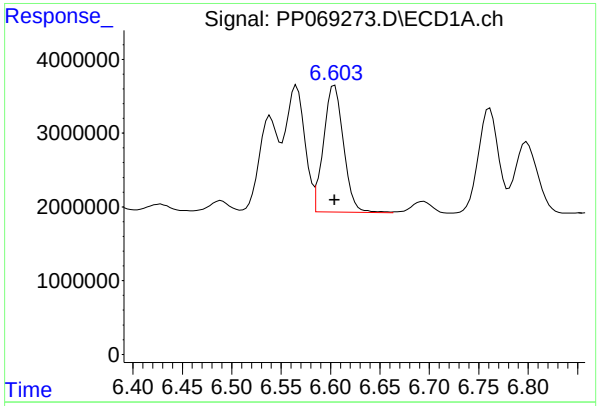
#19 AR-1242-4

R.T.: 5.873 min
Delta R.T.: 0.000 min
Response: 22891135
Conc: 738.58 ng/ml



#19 AR-1242-4

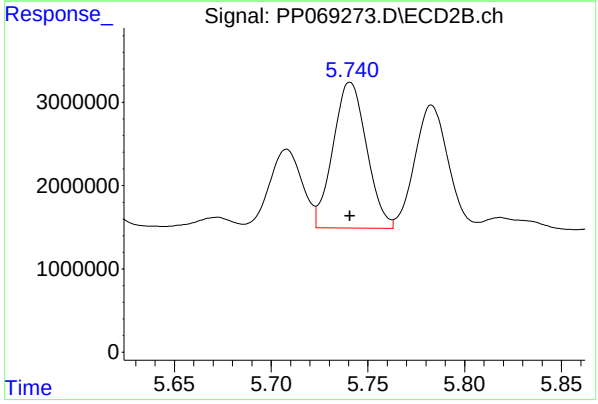
R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 16031239
Conc: 731.95 ng/ml



#20 AR-1242-5

R.T.: 6.604 min
Delta R.T.: 0.000 mi
Response: 24145693
Conc: 740.45 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.741 min
Delta R.T.: 0.000 min
Response: 21175650
Conc: 730.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:37
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:19:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.535	3.841	76865093	50303166	50.000	50.000
2)	SA Decachlor...	10.277	8.912	56920064	61281046	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.690	4.935	21683528	15058932	500.000	500.000
17)	L4 AR-1242-2	5.711	4.953	31058355	20882332	500.000	500.000
18)	L4 AR-1242-3	5.774	5.131	19507569	11908079	500.000	500.000
19)	L4 AR-1242-4	5.871	5.215	16362506	11560042	500.000	500.000
20)	L4 AR-1242-5	6.603	5.742	17244012	15201389	500.000	500.000

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

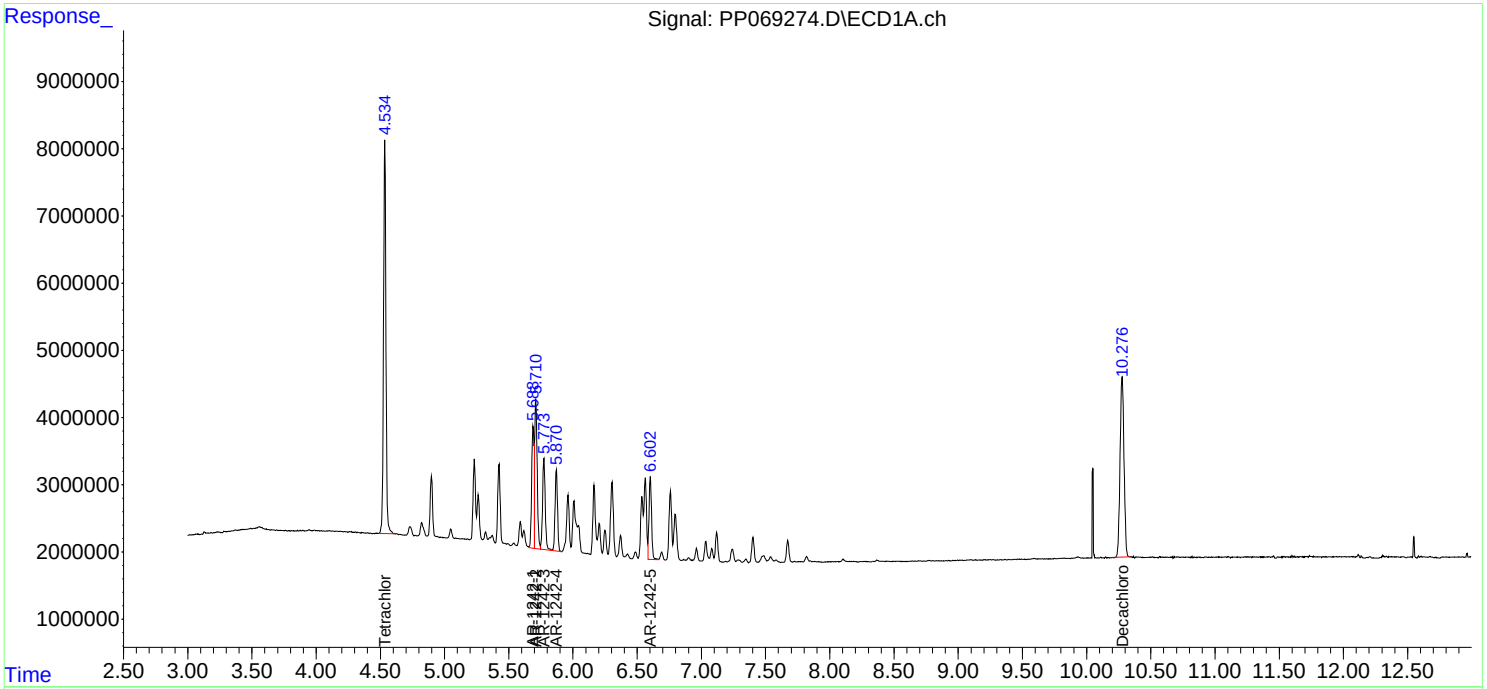
ICAL Form

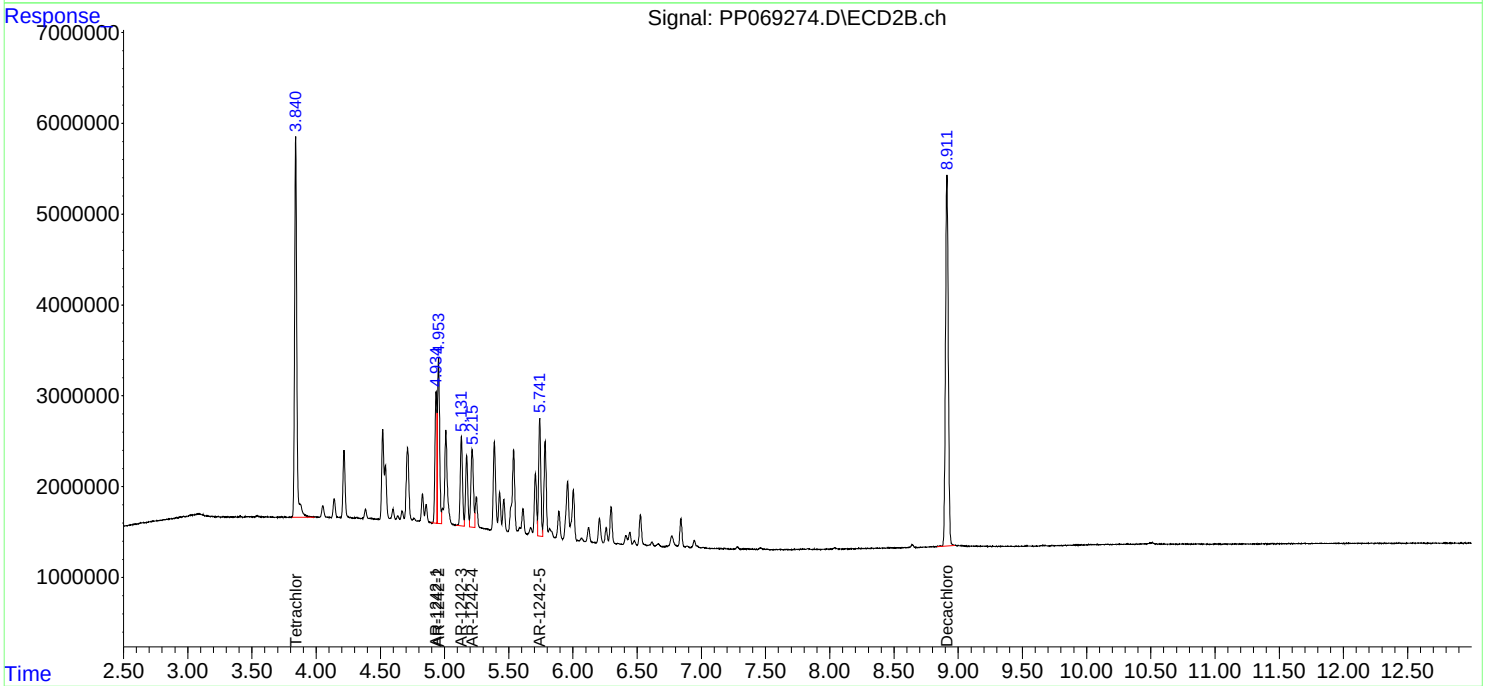
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:37
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

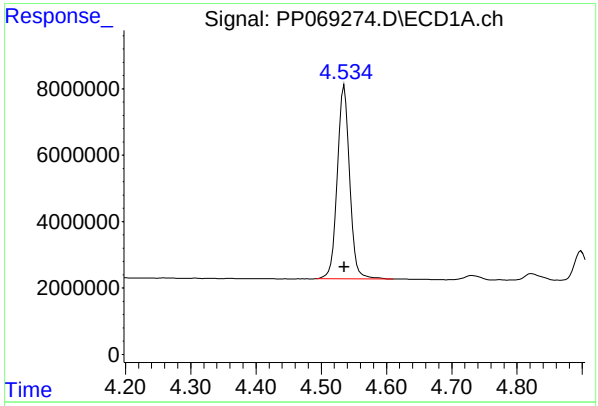
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:19:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



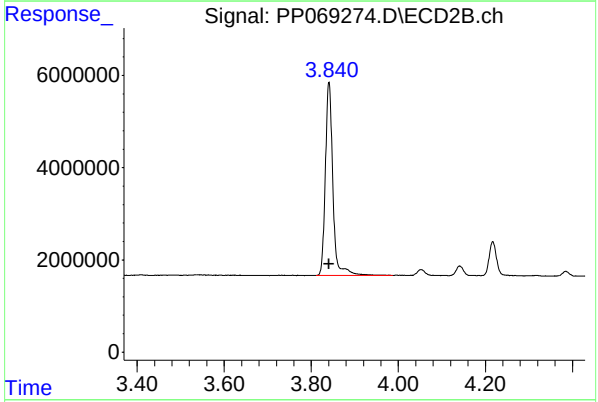




#1 Tetrachloro-m-xylene

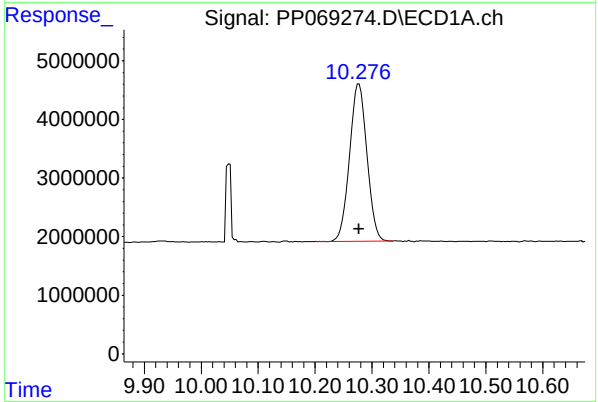
R.T.: 4.535 min
Delta R.T.: 0.000 min
Response: 76865093
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



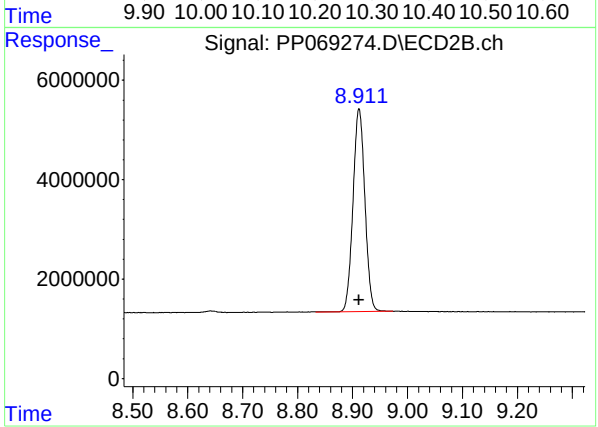
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 50303166
Conc: 50.00 ng/ml



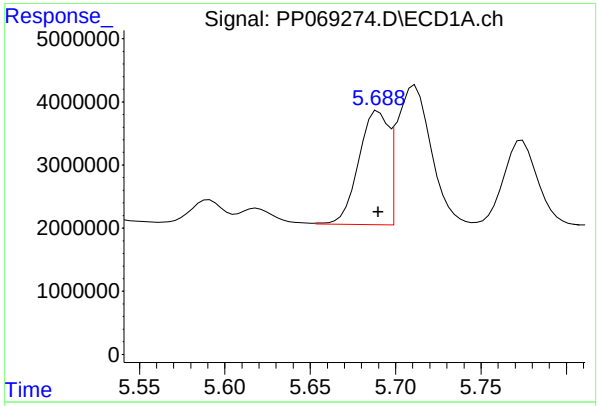
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 56920064
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

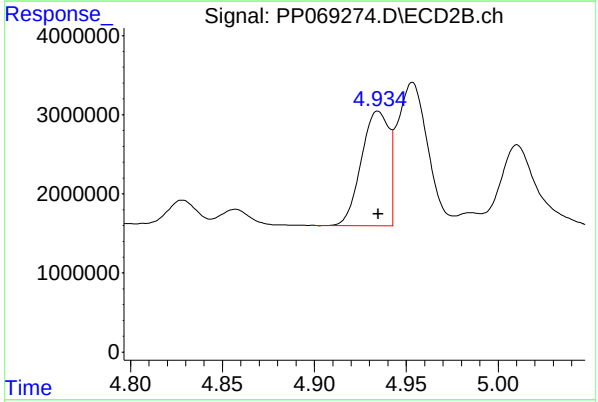
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 61281046
Conc: 50.00 ng/ml



#16 AR-1242-1

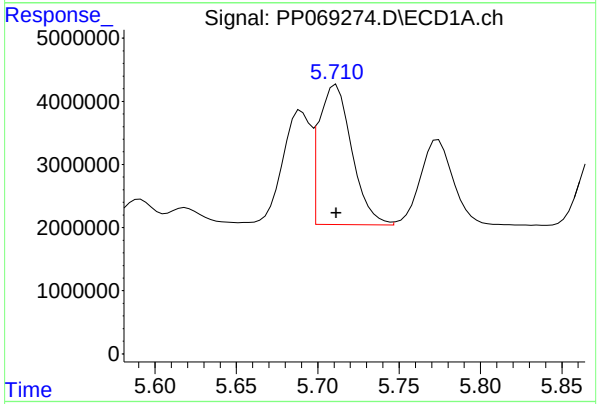
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 21683528
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



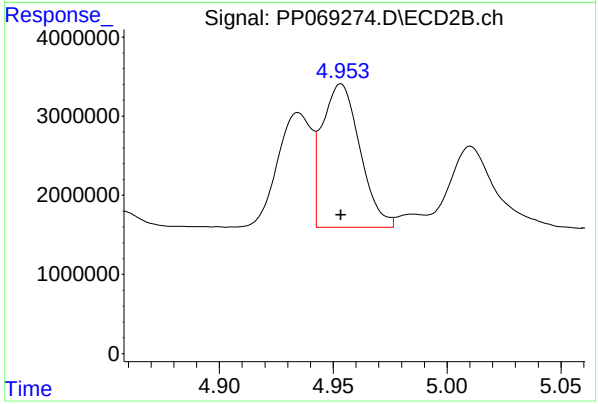
#16 AR-1242-1

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 15058932
Conc: 500.00 ng/ml



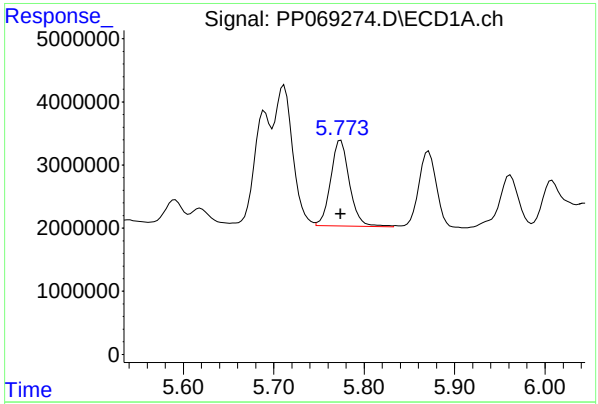
#17 AR-1242-2

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 31058355
Conc: 500.00 ng/ml



#17 AR-1242-2

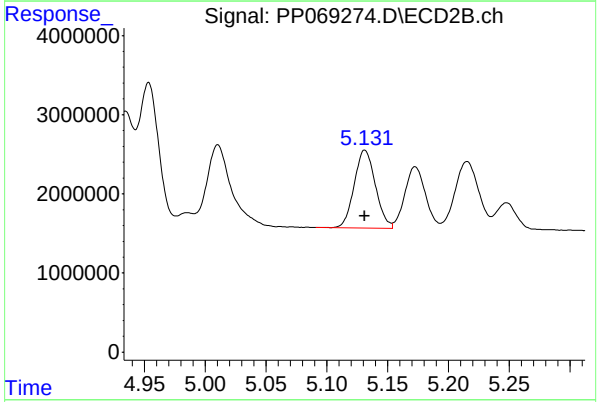
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 20882332
Conc: 500.00 ng/ml



#18 AR-1242-3

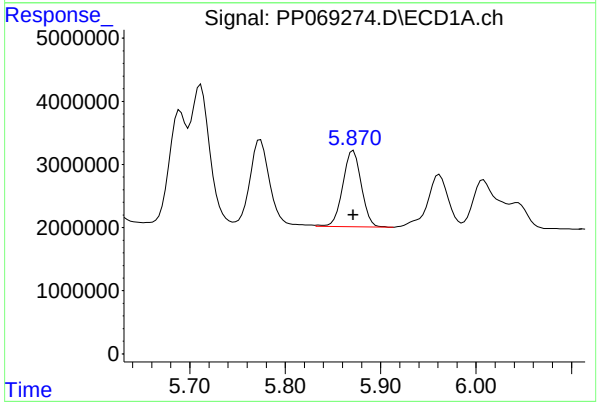
R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 19507569
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



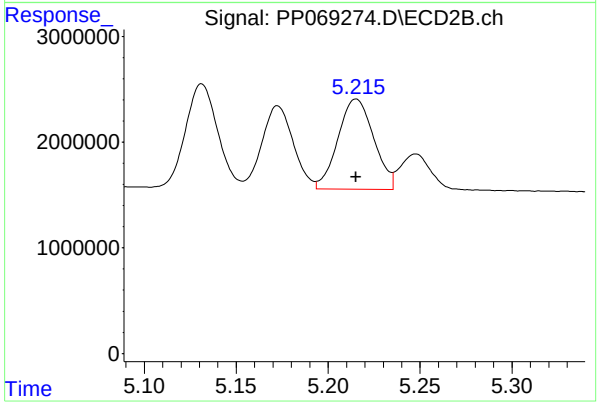
#18 AR-1242-3

R.T.: 5.131 min
Delta R.T.: 0.000 min
Response: 11908079
Conc: 500.00 ng/ml



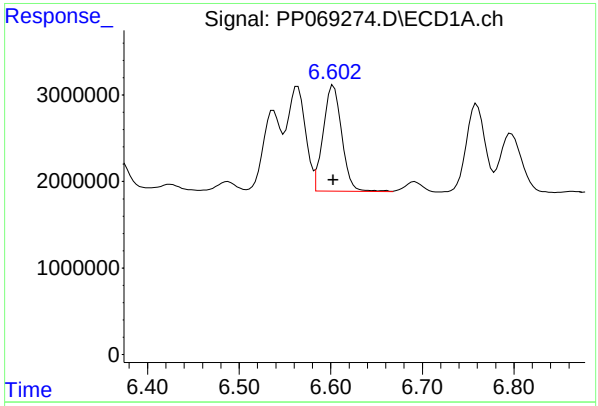
#19 AR-1242-4

R.T.: 5.871 min
Delta R.T.: 0.000 min
Response: 16362506
Conc: 500.00 ng/ml



#19 AR-1242-4

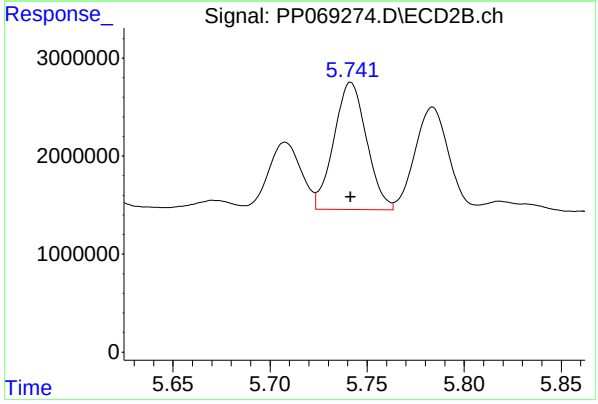
R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 11560042
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 17244012
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 15201389
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:53
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:29:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.538	3.839	38792932	24572047	25.937	25.469
2)	SA Decachlor...	10.279	8.911	29384811	29323543	26.463	25.999
	Target Compounds						
16)	L4 AR-1242-1	5.693	4.933	11282393	7765411	269.330	261.557
17)	L4 AR-1242-2	5.714	4.952	15949615	10596312	264.902	258.586
18)	L4 AR-1242-3	5.777	5.130	10146658	5872286	269.351	255.863
19)	L4 AR-1242-4	5.874	5.214	8706808	5585119	272.498	253.733
20)	L4 AR-1242-5	6.606	5.740	9072432	7515106	270.580	256.750

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

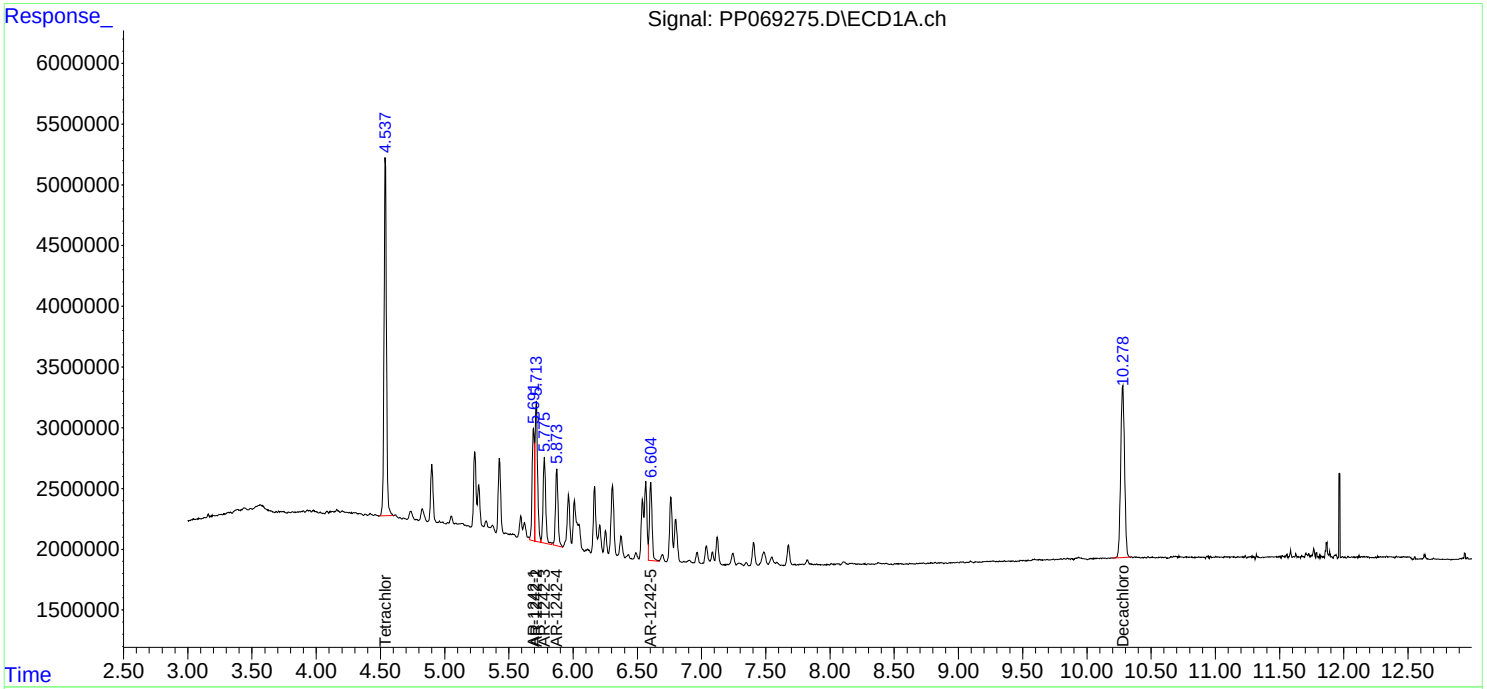
ICAL Form

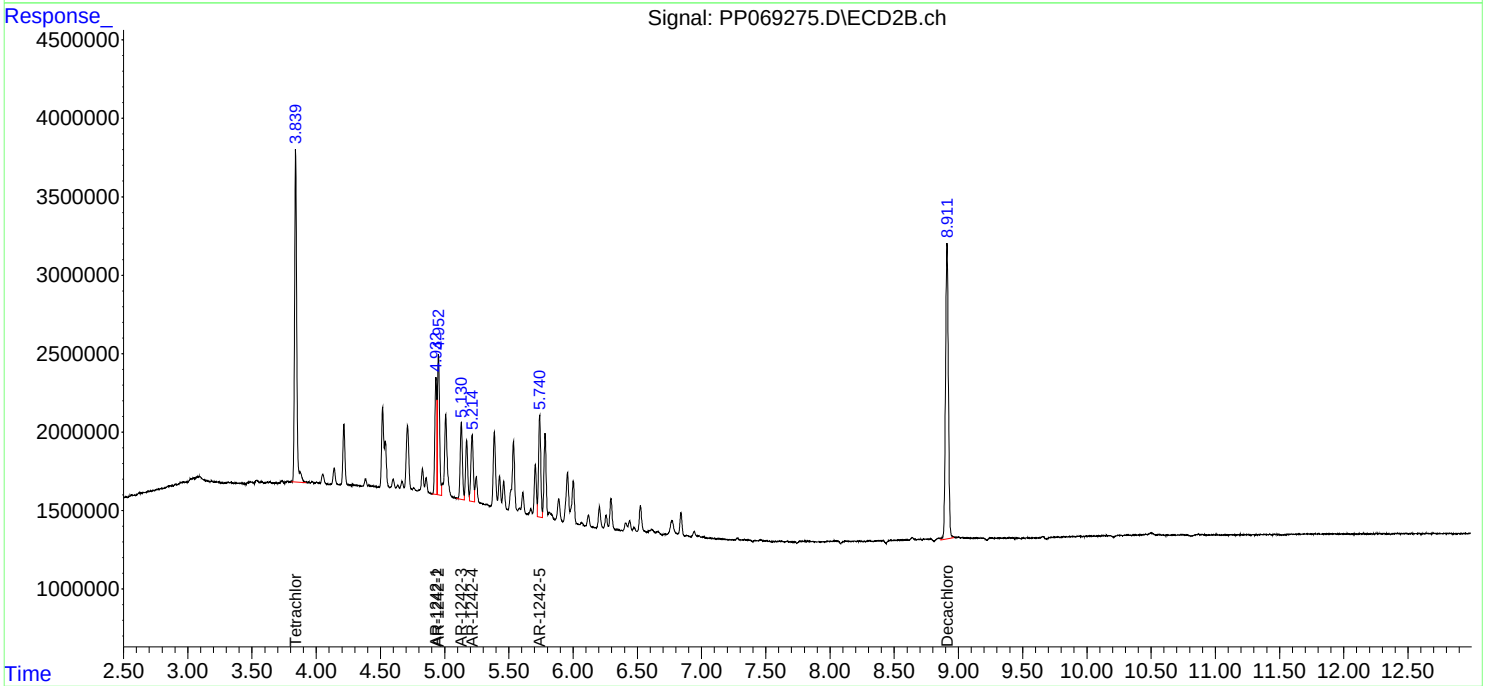
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:53
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

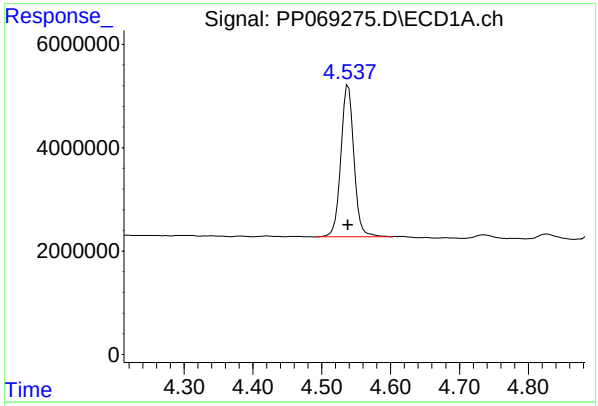
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:29:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



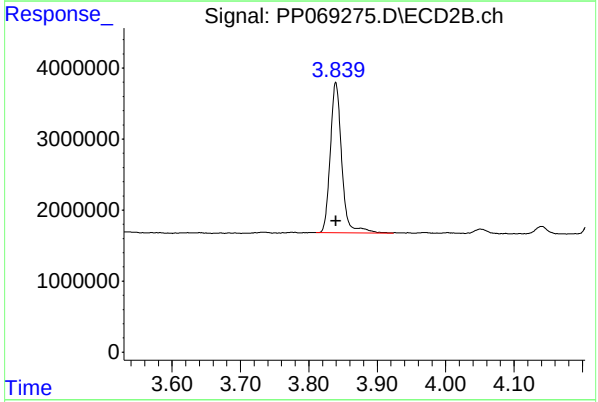




#1 Tetrachloro-m-xylene

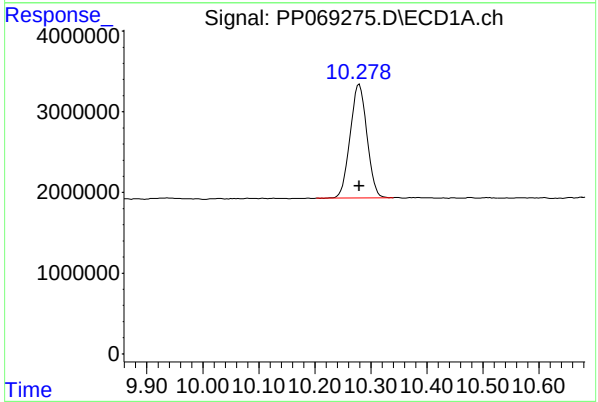
R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 38792932
Conc: 25.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



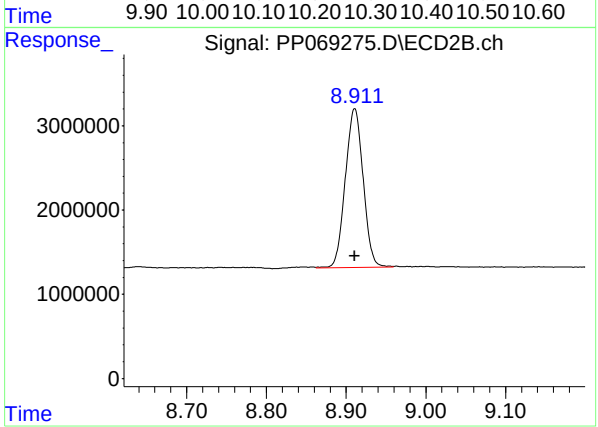
#1 Tetrachloro-m-xylene

R.T.: 3.839 min
Delta R.T.: 0.000 min
Response: 24572047
Conc: 25.47 ng/ml



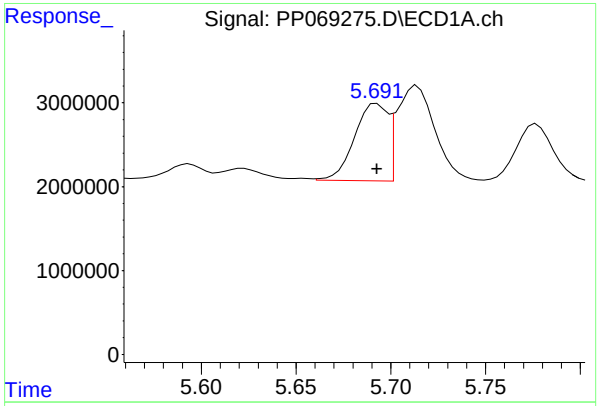
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 29384811
Conc: 26.46 ng/ml



#2 Decachlorobiphenyl

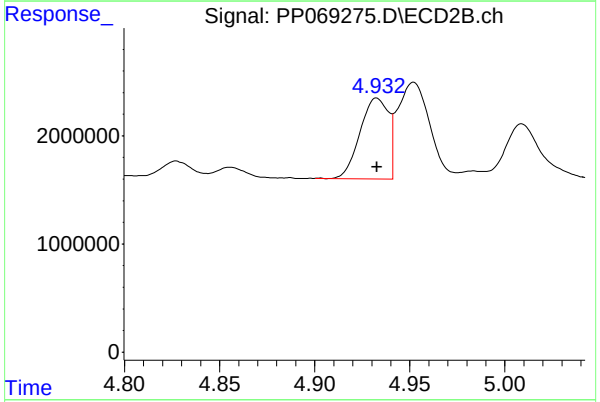
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 29323543
Conc: 26.00 ng/ml



#16 AR-1242-1

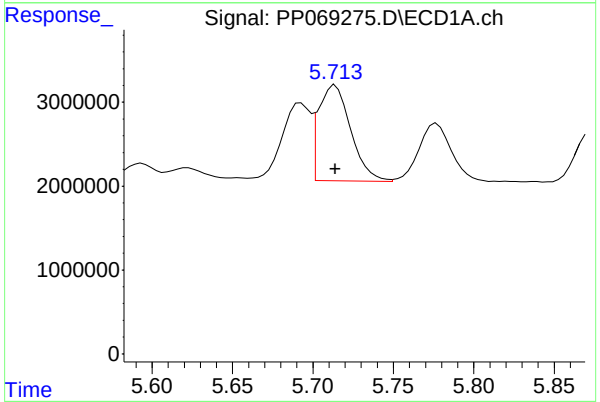
R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 11282393
Conc: 269.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



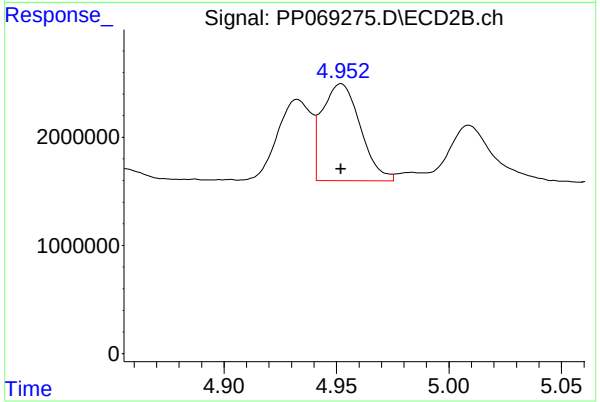
#16 AR-1242-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 7765411
Conc: 261.56 ng/ml



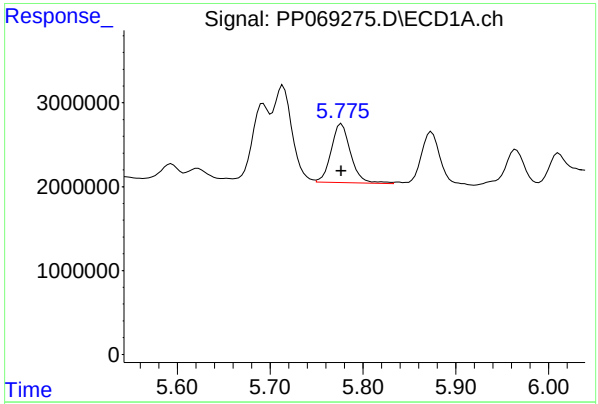
#17 AR-1242-2

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 15949615
Conc: 264.90 ng/ml



#17 AR-1242-2

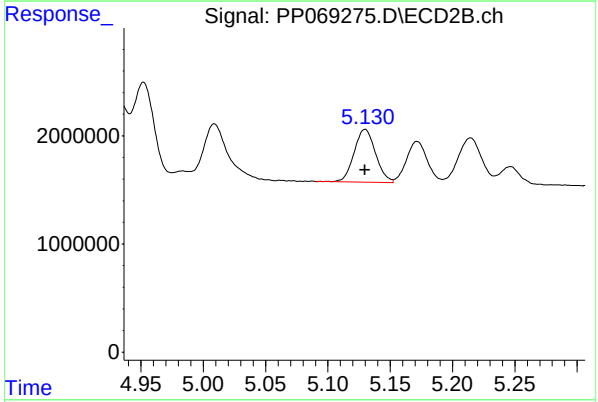
R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 10596312
Conc: 258.59 ng/ml



#18 AR-1242-3

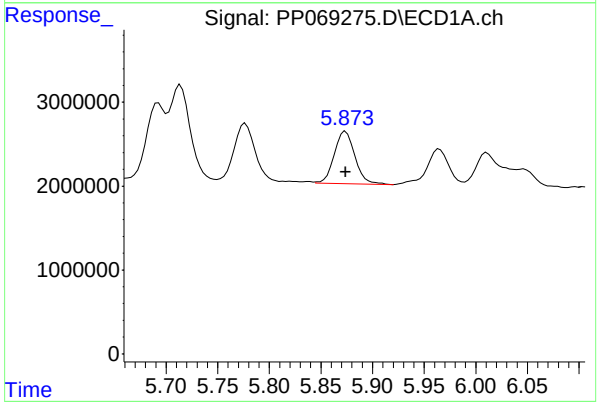
R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 10146658
Conc: 269.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



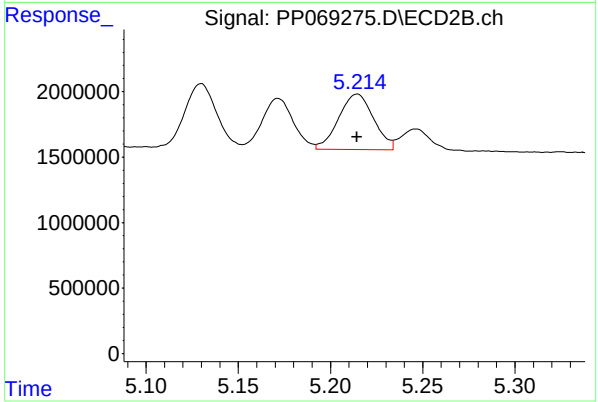
#18 AR-1242-3

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 5872286
Conc: 255.86 ng/ml



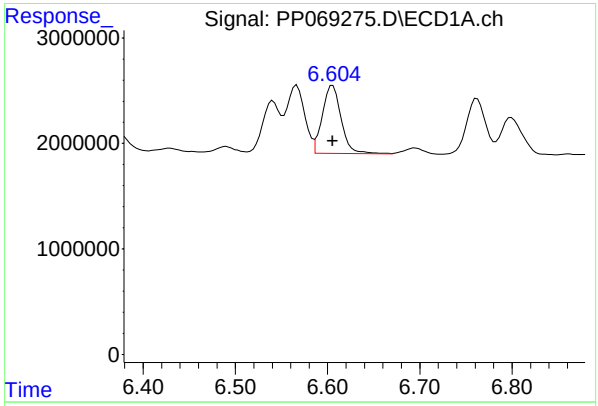
#19 AR-1242-4

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 8706808
Conc: 272.50 ng/ml



#19 AR-1242-4

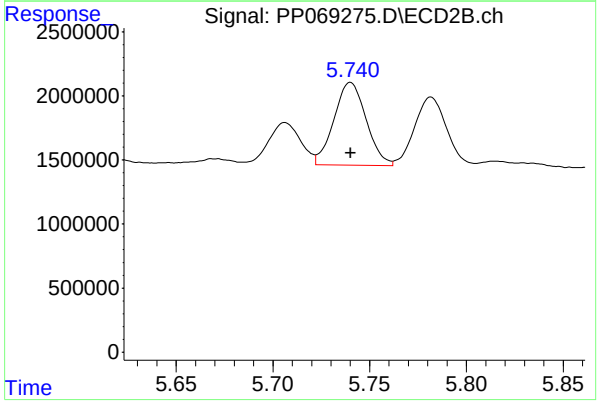
R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 5585119
Conc: 253.73 ng/ml



#20 AR-1242-5

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 9072432
Conc: 270.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 7515106
Conc: 256.75 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:09
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:32:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:32:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.535	3.840	5712040	3880861	4.008	4.186
2)	SA Decachlor...	10.276	8.912	4701402	5291649	4.368	4.750
	Target Compounds						
16)	L4 AR-1242-1	5.689	4.934	2048207	1270163	49.111	44.054
17)	L4 AR-1242-2	5.711	4.953	2705826	1653863	45.869	41.979
18)	L4 AR-1242-3	5.774	5.131	1740514	1035839	46.916	46.029
19)	L4 AR-1242-4	5.870	5.215	1808303	993205	55.140	46.020
20)	L4 AR-1242-5	6.603	5.741	1440165	1338070	44.198	46.512

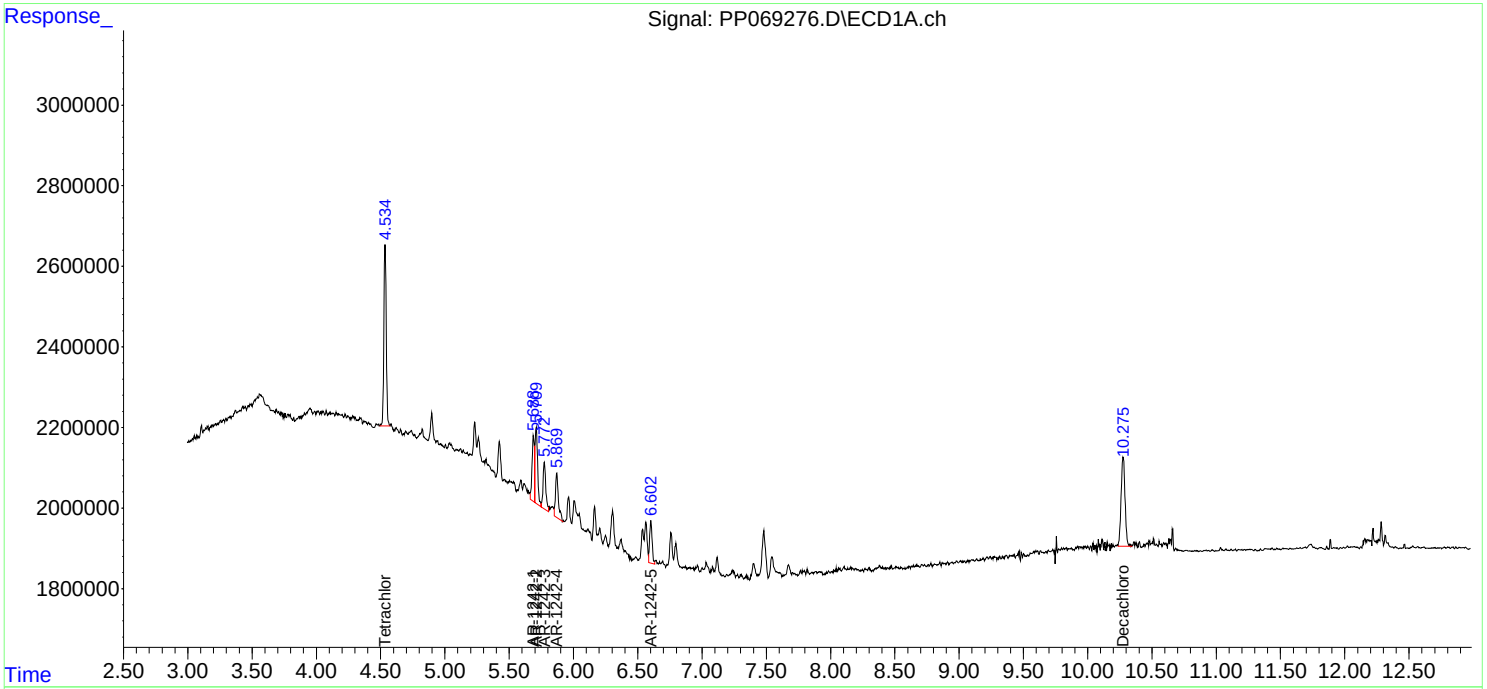
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

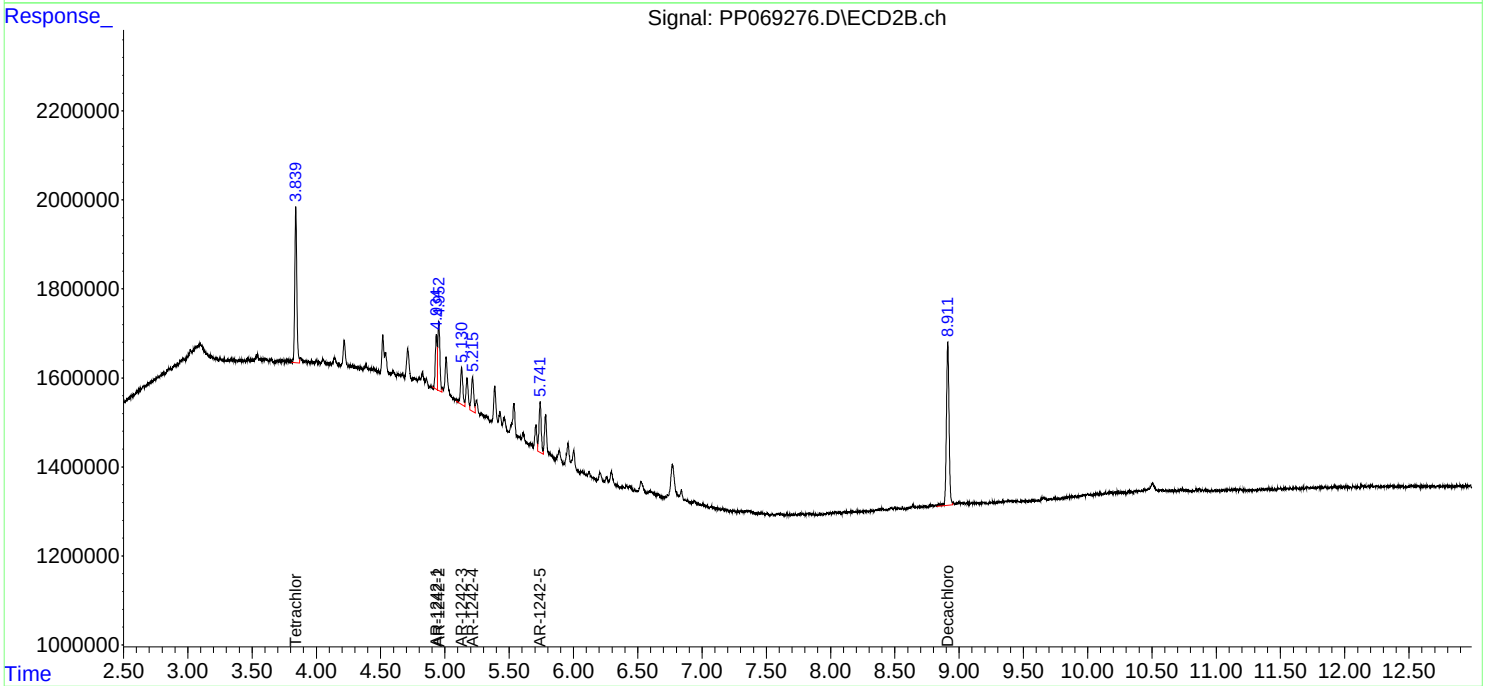
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:09
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

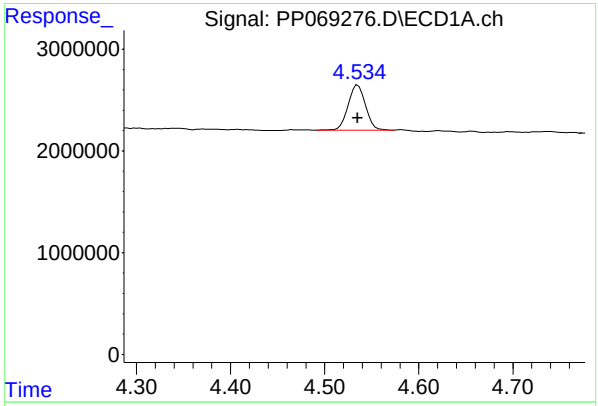
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:32:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:32:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



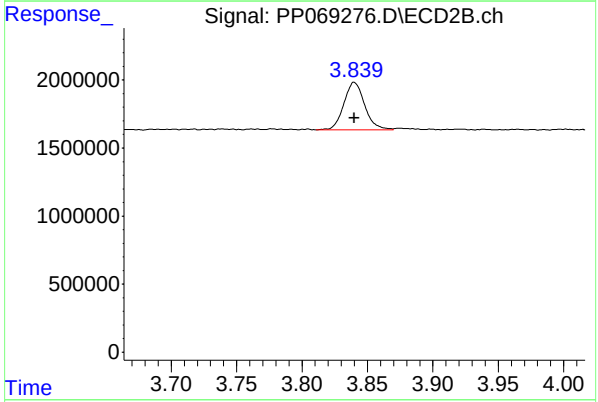




#1 Tetrachloro-m-xylene

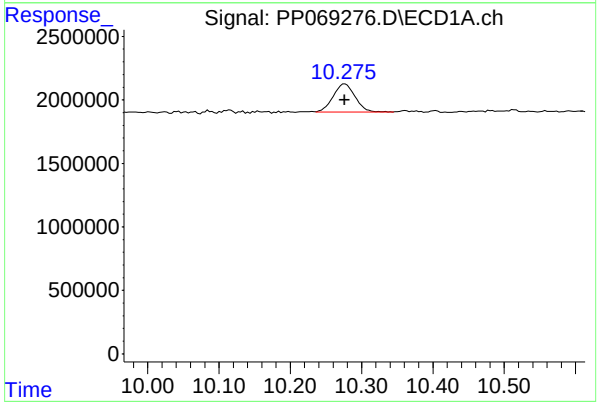
R.T.: 4.535 min
Delta R.T.: 0.000 min
Response: 5712040
Conc: 4.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



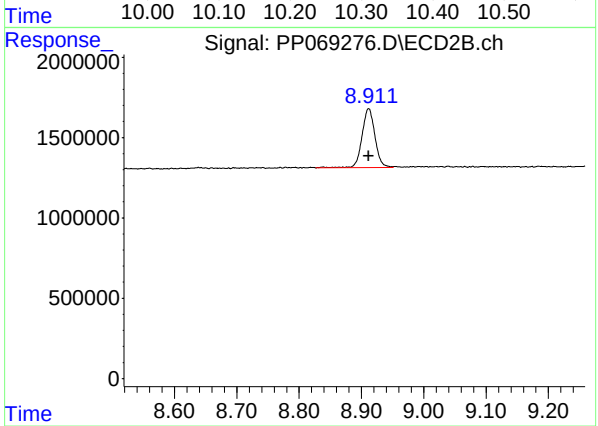
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 3880861
Conc: 4.19 ng/ml



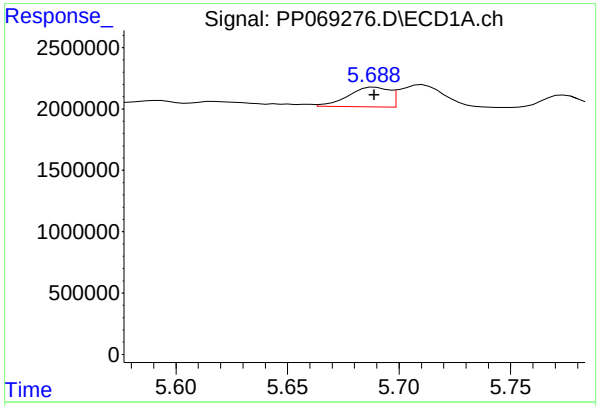
#2 Decachlorobiphenyl

R.T.: 10.276 min
Delta R.T.: 0.000 min
Response: 4701402
Conc: 4.37 ng/ml



#2 Decachlorobiphenyl

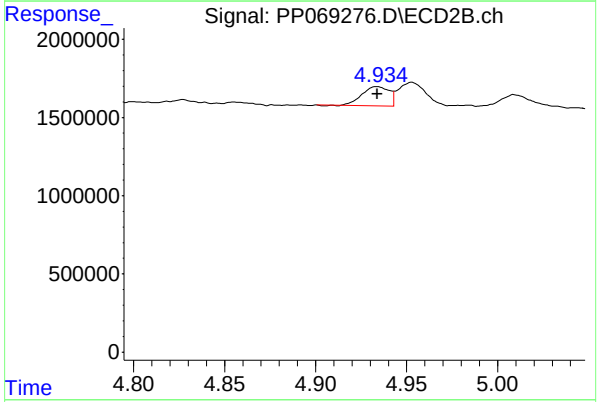
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 5291649
Conc: 4.75 ng/ml



#16 AR-1242-1

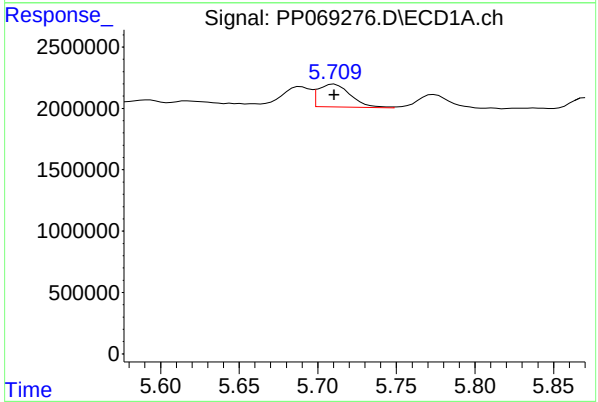
R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 2048207
Conc: 49.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



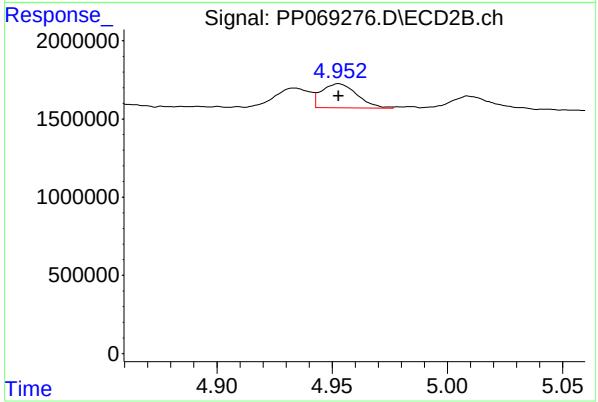
#16 AR-1242-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 1270163
Conc: 44.05 ng/ml



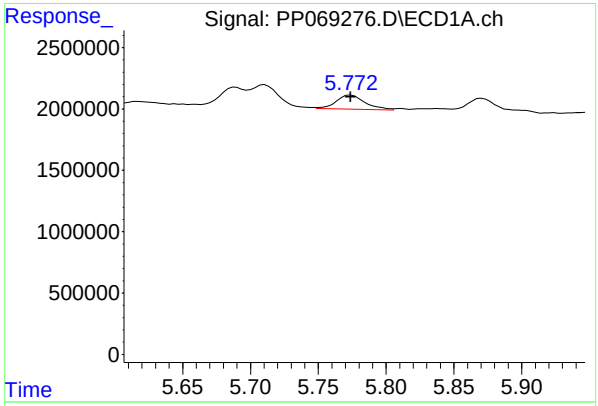
#17 AR-1242-2

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 2705826
Conc: 45.87 ng/ml



#17 AR-1242-2

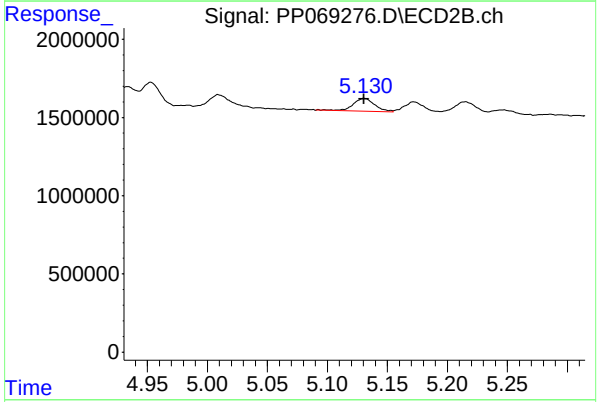
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 1653863
Conc: 41.98 ng/ml



#18 AR-1242-3

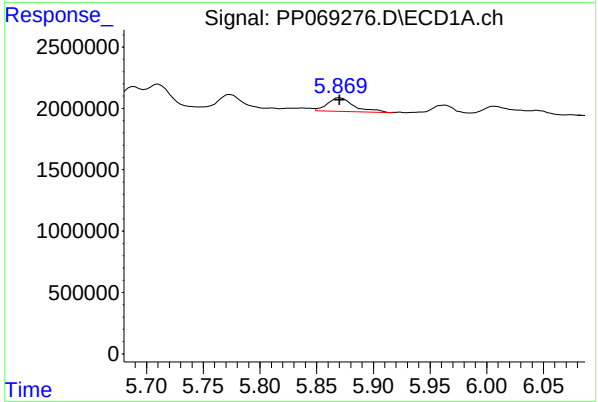
R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 1740514
Conc: 46.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



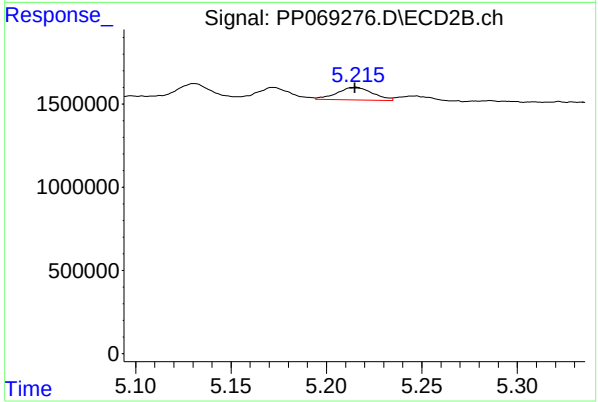
#18 AR-1242-3

R.T.: 5.131 min
Delta R.T.: 0.000 min
Response: 1035839
Conc: 46.03 ng/ml



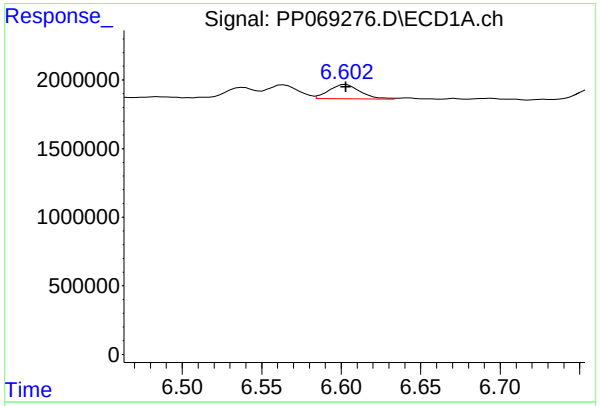
#19 AR-1242-4

R.T.: 5.870 min
Delta R.T.: 0.000 min
Response: 1808303
Conc: 55.14 ng/ml



#19 AR-1242-4

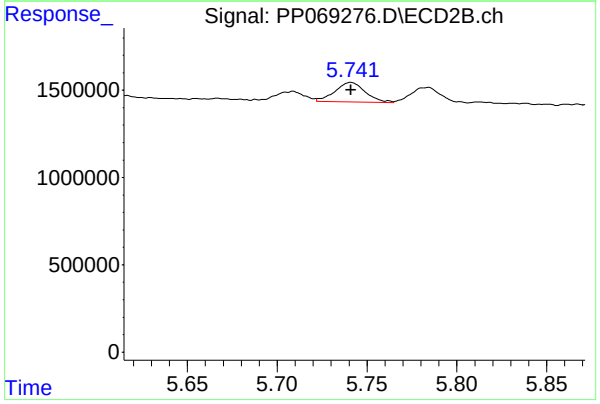
R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 993205
Conc: 46.02 ng/ml



#20 AR-1242-5

R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 1440165
Conc: 44.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.741 min
Delta R.T.: 0.000 min
Response: 1338070
Conc: 46.51 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:15:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.536	3.841	139.8E6	93340429	96.035	98.382
2)	SA Decachlor...	10.278	8.912	103.8E6	98040406	95.812	93.069
	Target Compounds						
21)	L5 AR-1248-1	5.690	4.934	29720774	21330255	955.393	958.327
22)	L5 AR-1248-2	5.963	5.172	40031392	28324001	958.740	965.847
23)	L5 AR-1248-3	6.166	5.215	44249426	29601440	956.494	967.648
24)	L5 AR-1248-4	6.565	5.388	52361428	35306028	948.489	964.835
25)	L5 AR-1248-5	6.604	5.784	50435355	36064443	950.417	976.042

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

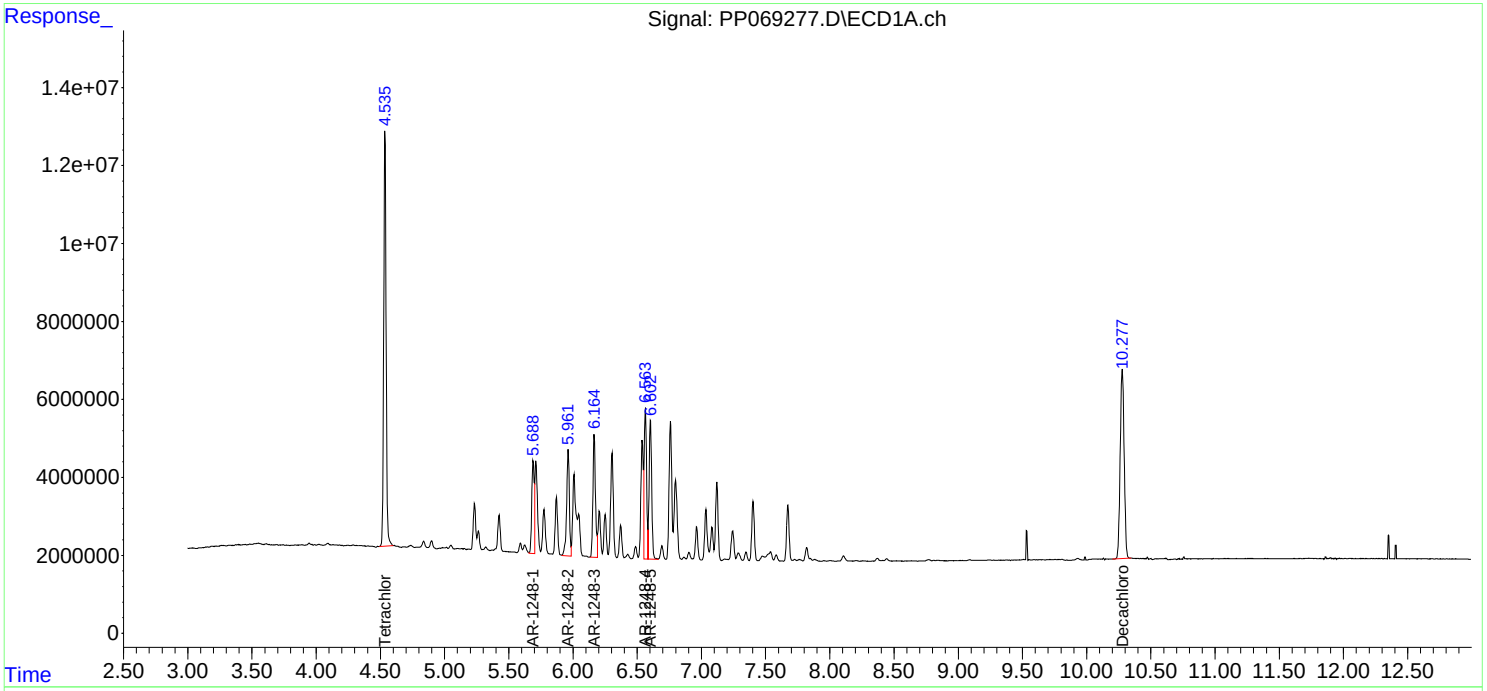
ICAL Form

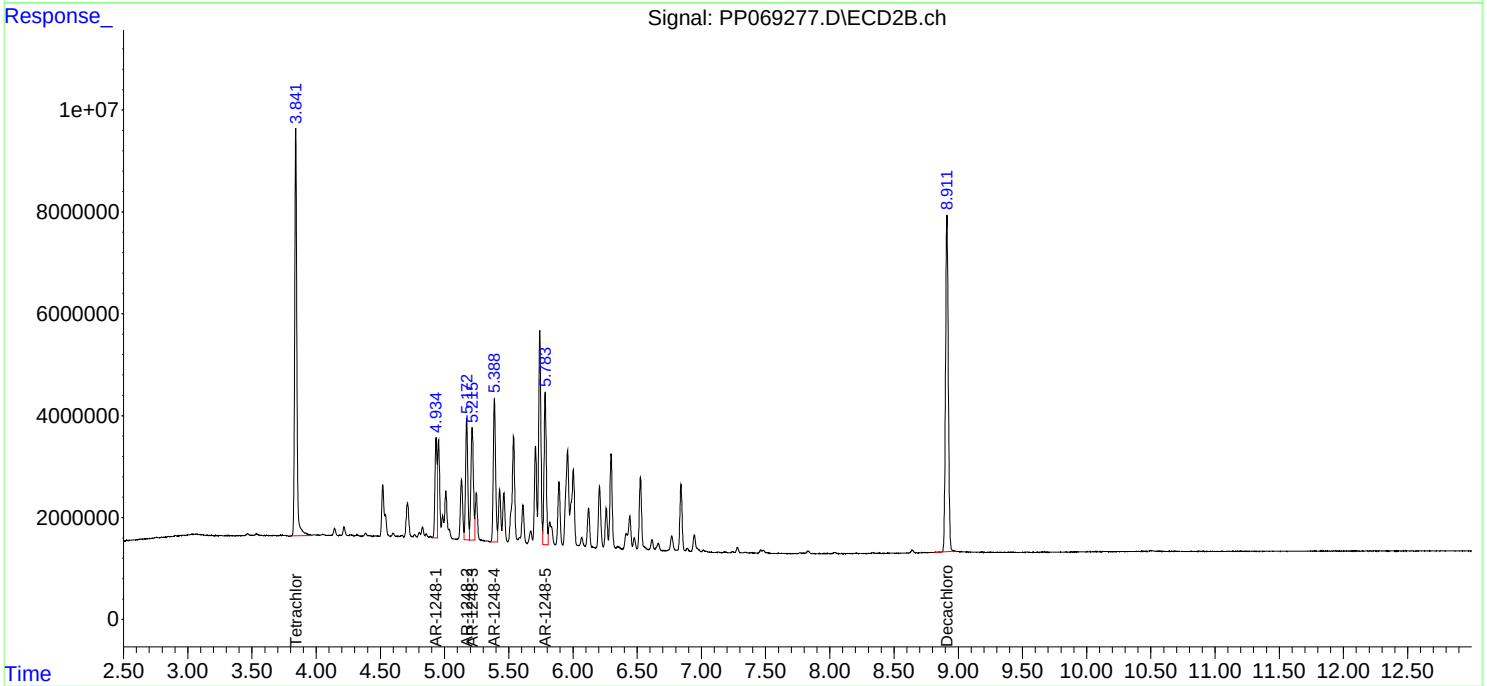
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

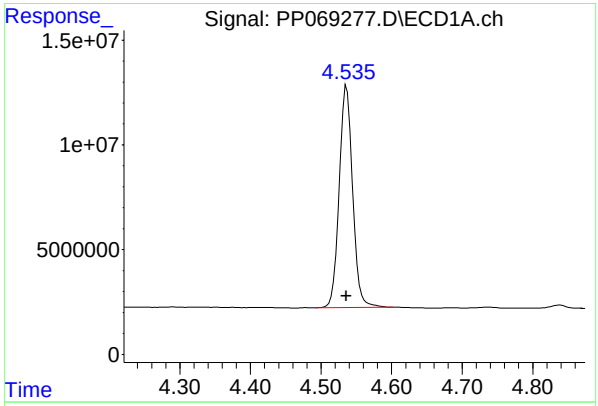
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:15:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



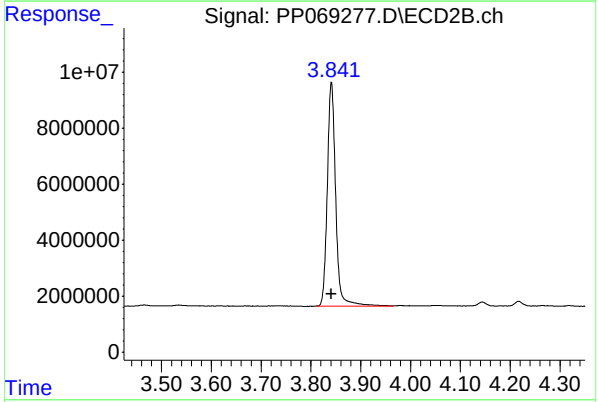




#1 Tetrachloro-m-xylene

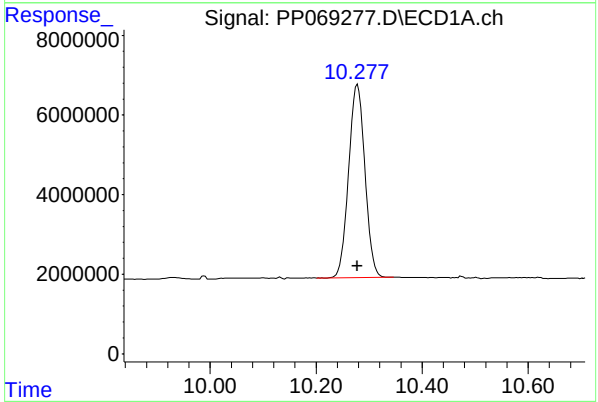
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 139785076
Conc: 96.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



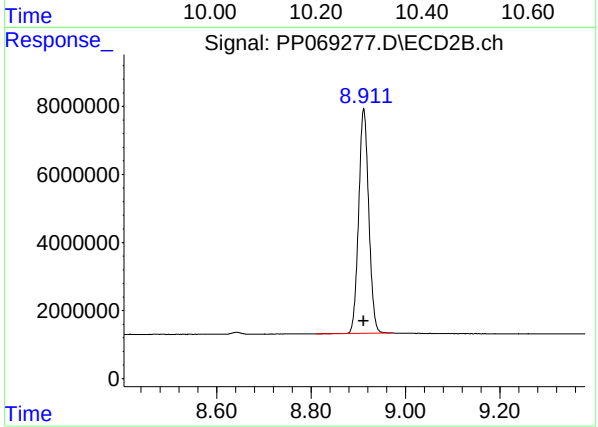
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 93340429
Conc: 98.38 ng/ml



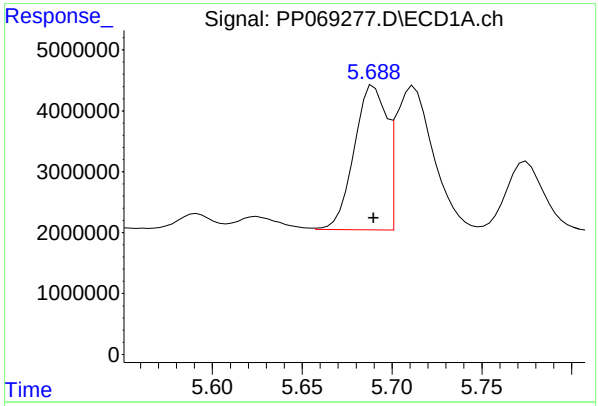
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 103763918
Conc: 95.81 ng/ml



#2 Decachlorobiphenyl

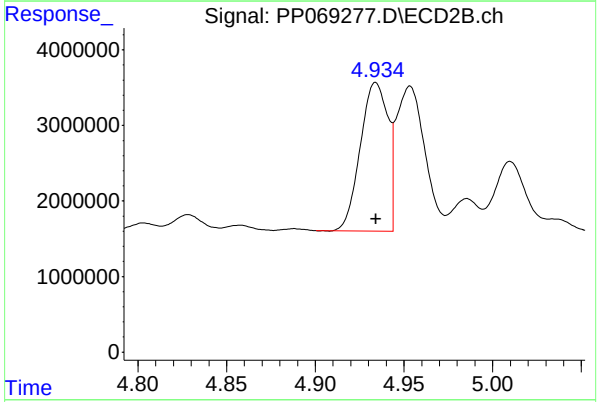
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 98040406
Conc: 93.07 ng/ml



#21 AR-1248-1

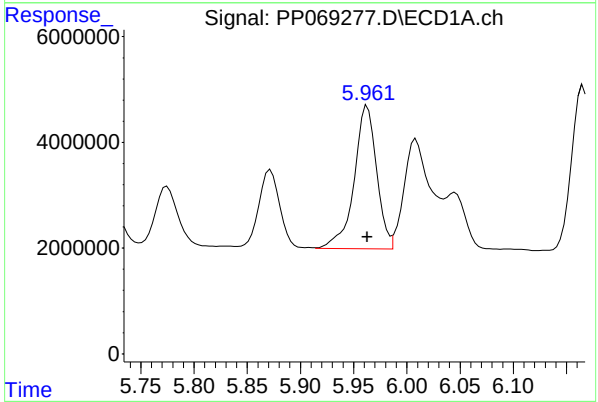
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 29720774
Conc: 955.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



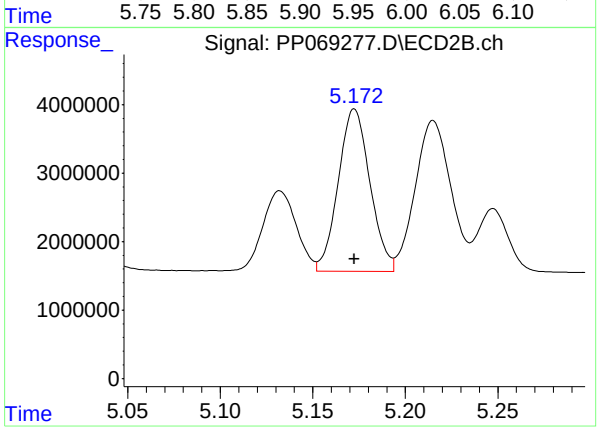
#21 AR-1248-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 21330255
Conc: 958.33 ng/ml



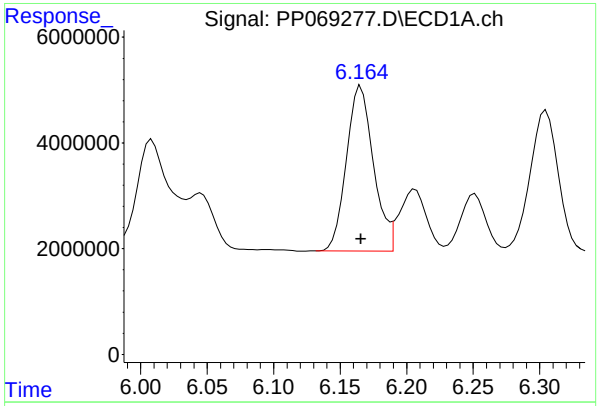
#22 AR-1248-2

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 40031392
Conc: 958.74 ng/ml



#22 AR-1248-2

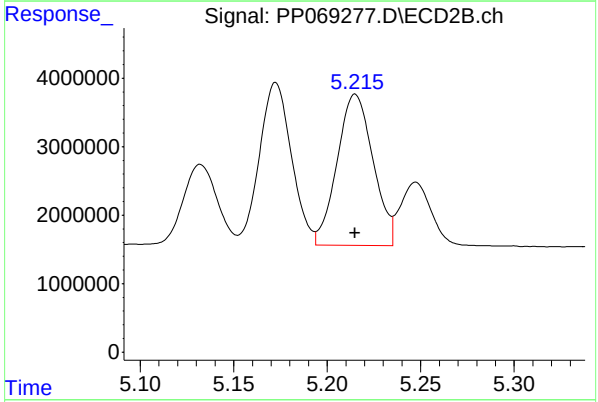
R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 28324001
Conc: 965.85 ng/ml



#23 AR-1248-3

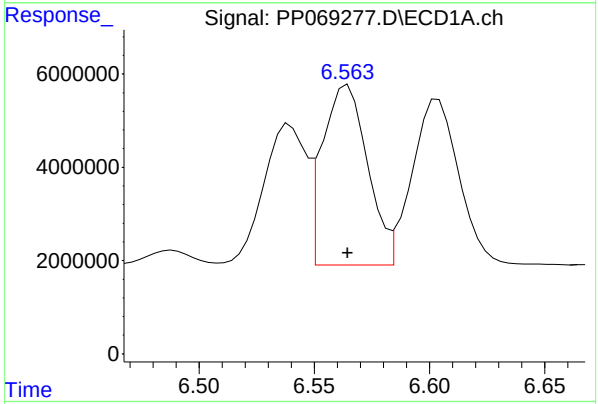
R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 44249426
Conc: 956.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



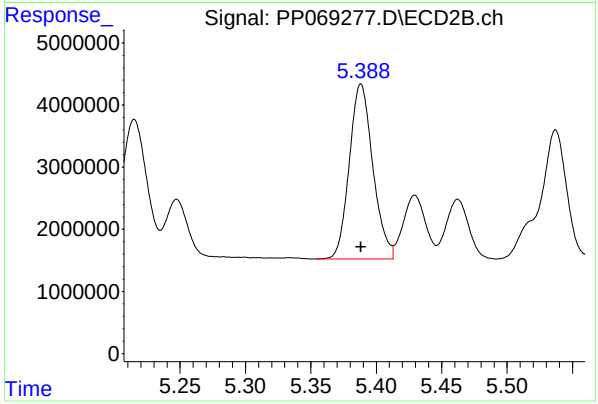
#23 AR-1248-3

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 29601440
Conc: 967.65 ng/ml



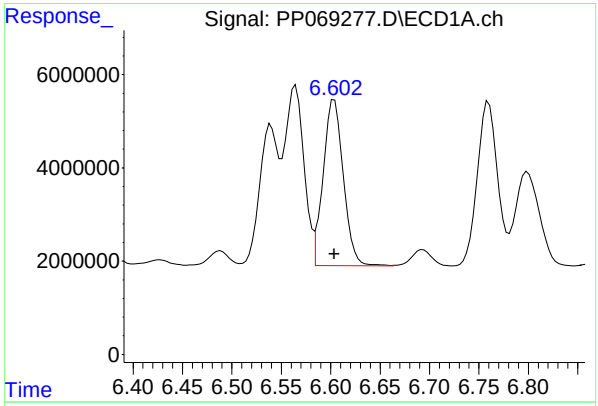
#24 AR-1248-4

R.T.: 6.565 min
Delta R.T.: 0.000 min
Response: 52361428
Conc: 948.49 ng/ml



#24 AR-1248-4

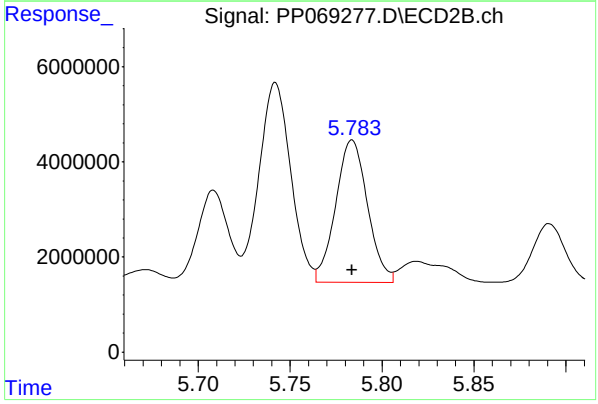
R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 35306028
Conc: 964.84 ng/ml



#25 AR-1248-5

R.T.: 6.604 min
Delta R.T.: 0.000 mi
Response: 50435355
Conc: 950.42 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 36064443
Conc: 976.04 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.536	3.841	108.1E6	69616300	74.502	73.910
2)	SA Decachlor...	10.277	8.912	80239411	71992164	74.391	70.426
	Target Compounds						
21)	L5 AR-1248-1	5.690	4.934	23301477	15640407	749.360	717.785
22)	L5 AR-1248-2	5.962	5.173	30590155	20848478	738.326	723.494
23)	L5 AR-1248-3	6.165	5.215	33991113	21573142	739.764	719.533
24)	L5 AR-1248-4	6.564	5.388	40921037	25659920	744.147	716.765
25)	L5 AR-1248-5	6.603	5.783	39260909	26856514	743.198	734.399

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

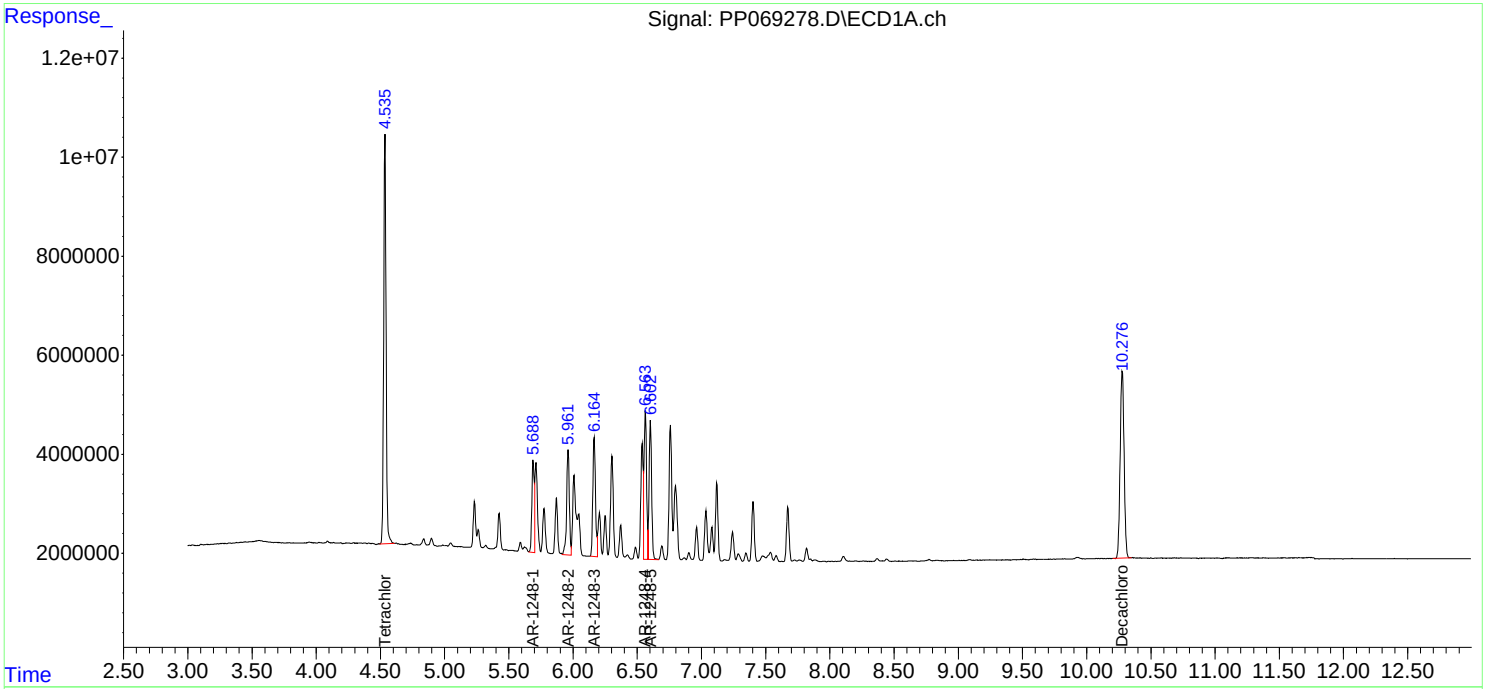
ICAL Form

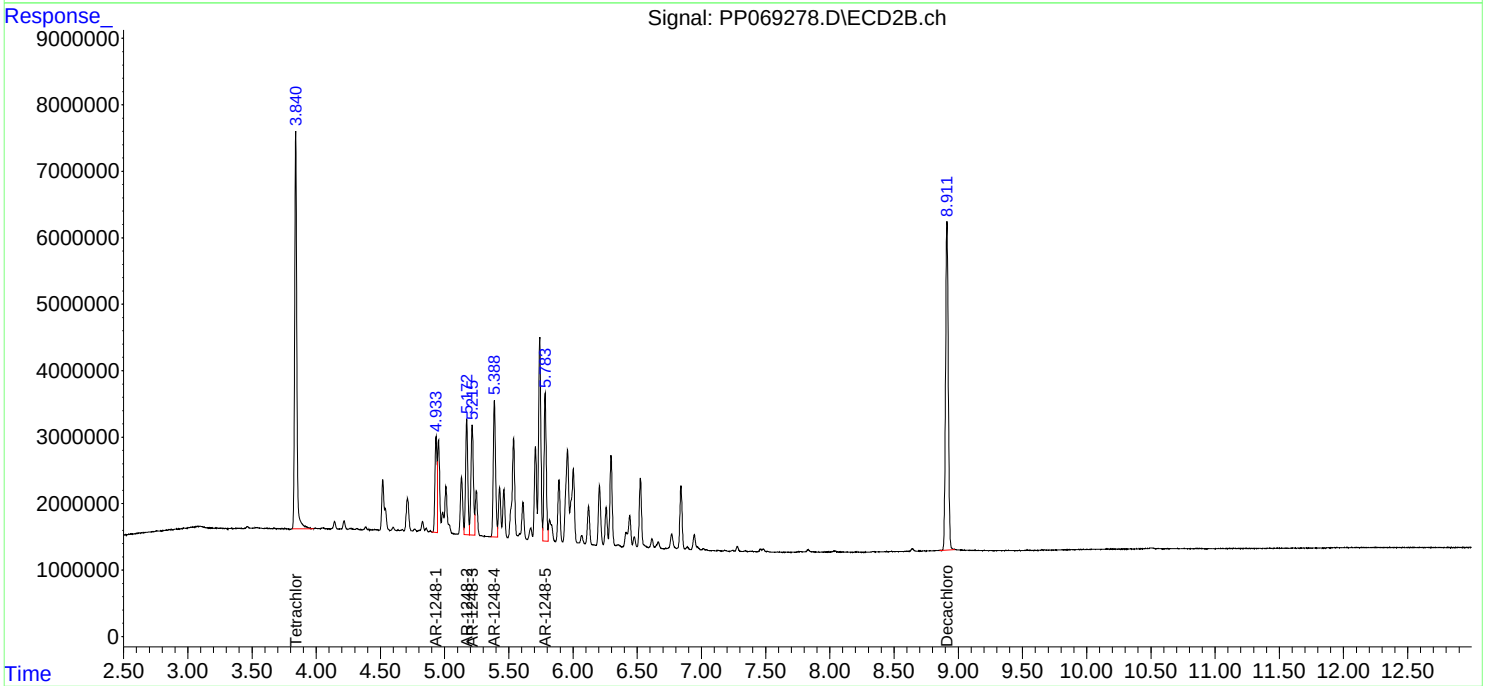
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

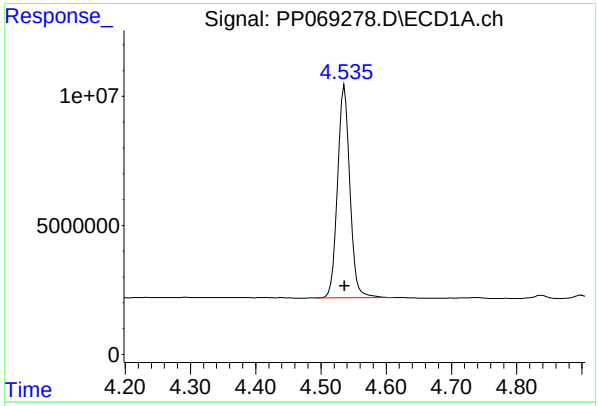
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



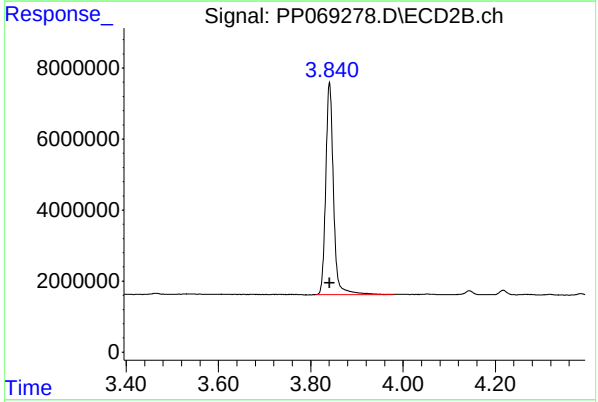




#1 Tetrachloro-m-xylene

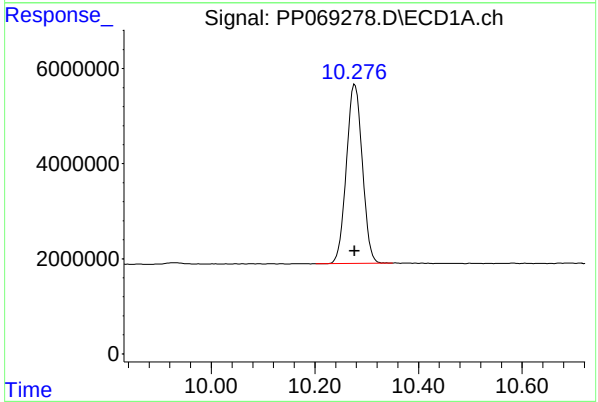
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 108083506
Conc: 74.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



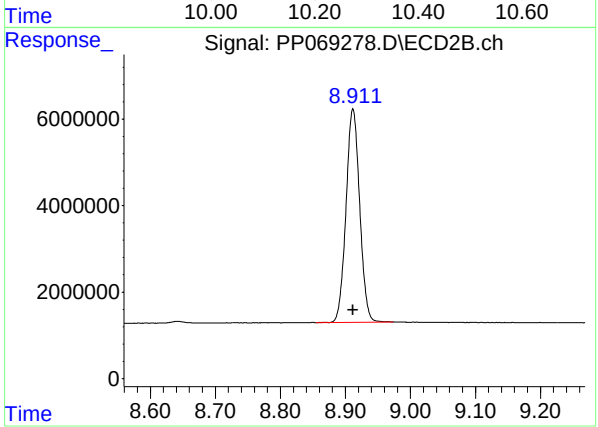
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 69616300
Conc: 73.91 ng/ml



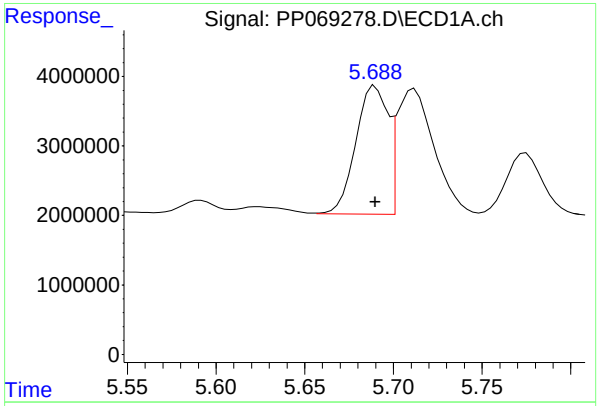
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 80239411
Conc: 74.39 ng/ml



#2 Decachlorobiphenyl

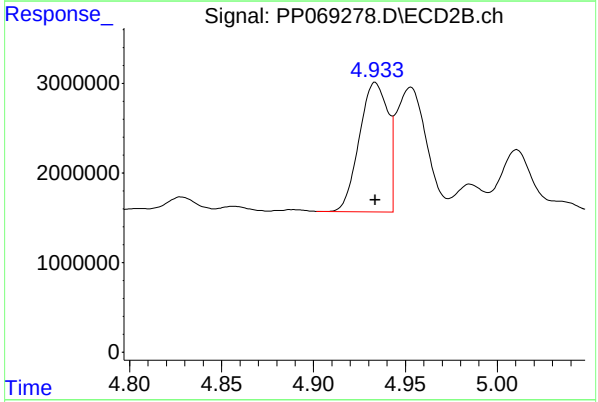
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 71992164
Conc: 70.43 ng/ml



#21 AR-1248-1

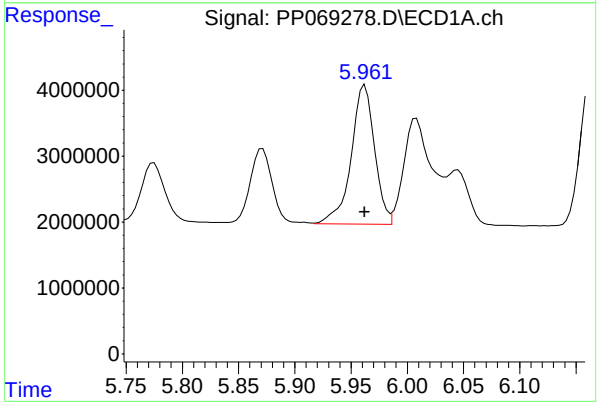
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 23301477
Conc: 749.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



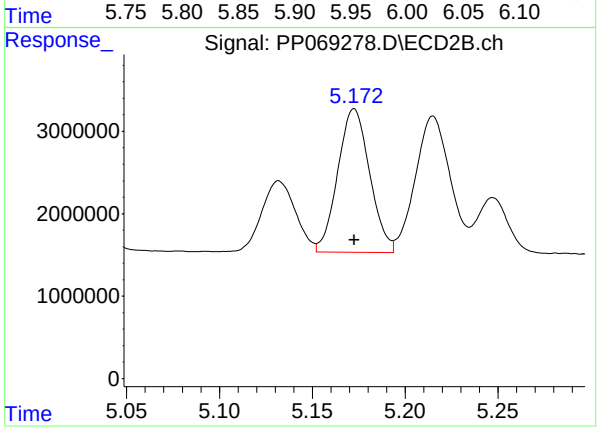
#21 AR-1248-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 15640407
Conc: 717.78 ng/ml



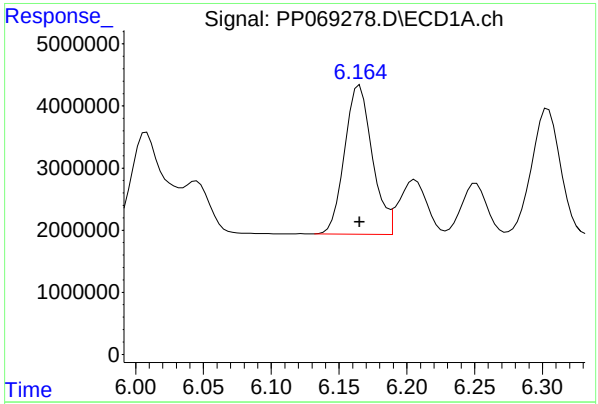
#22 AR-1248-2

R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 30590155
Conc: 738.33 ng/ml



#22 AR-1248-2

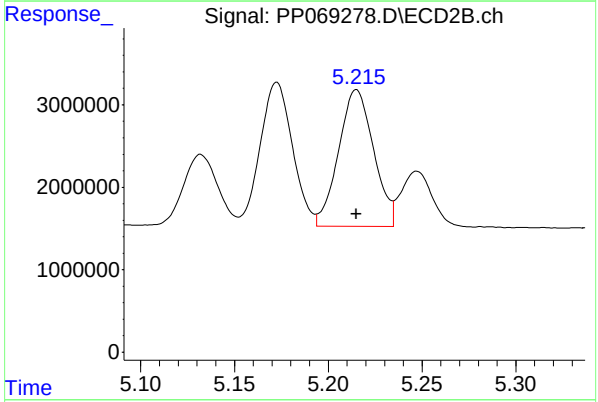
R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 20848478
Conc: 723.49 ng/ml



#23 AR-1248-3

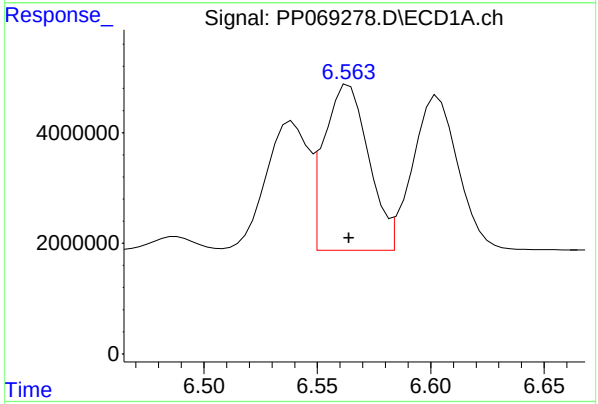
R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 33991113
Conc: 739.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



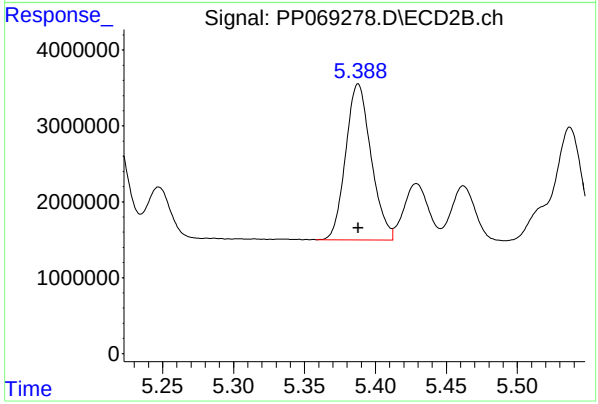
#23 AR-1248-3

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 21573142
Conc: 719.53 ng/ml



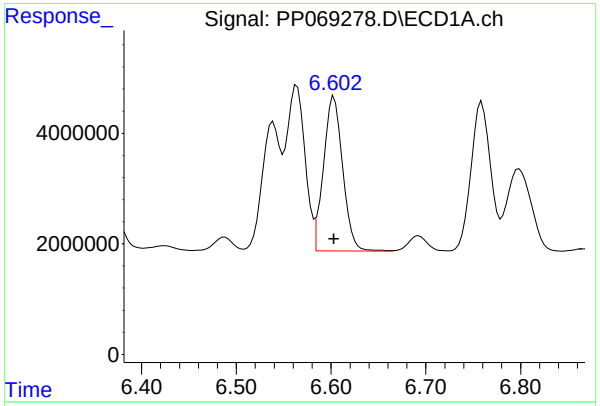
#24 AR-1248-4

R.T.: 6.564 min
Delta R.T.: 0.000 min
Response: 40921037
Conc: 744.15 ng/ml



#24 AR-1248-4

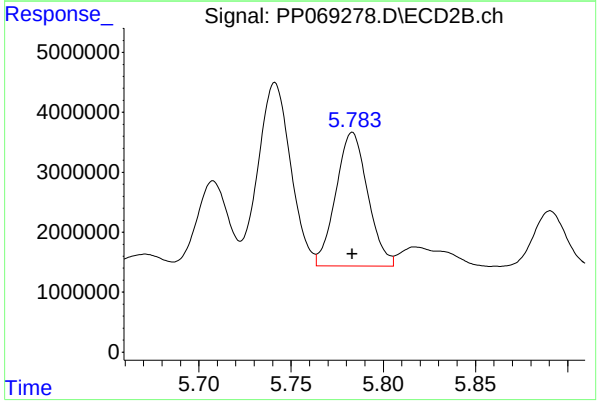
R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 25659920
Conc: 716.77 ng/ml



#25 AR-1248-5

R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 39260909
Conc: 743.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 26856514
Conc: 734.40 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:58
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.539	3.841	75663746	48204955	50.000	50.000
2)	SA Decachlor...	10.280	8.912	56417147	56321067	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.692	4.934	16248025	11592688	500.000	500.000
22)	L5 AR-1248-2	5.966	5.173	21738491	15163563	500.000	500.000
23)	L5 AR-1248-3	6.168	5.216	24137406	15790400	500.000	500.000
24)	L5 AR-1248-4	6.567	5.388	29024379	18939791	500.000	500.000
25)	L5 AR-1248-5	6.606	5.784	27848887	18917464	500.000	500.000

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

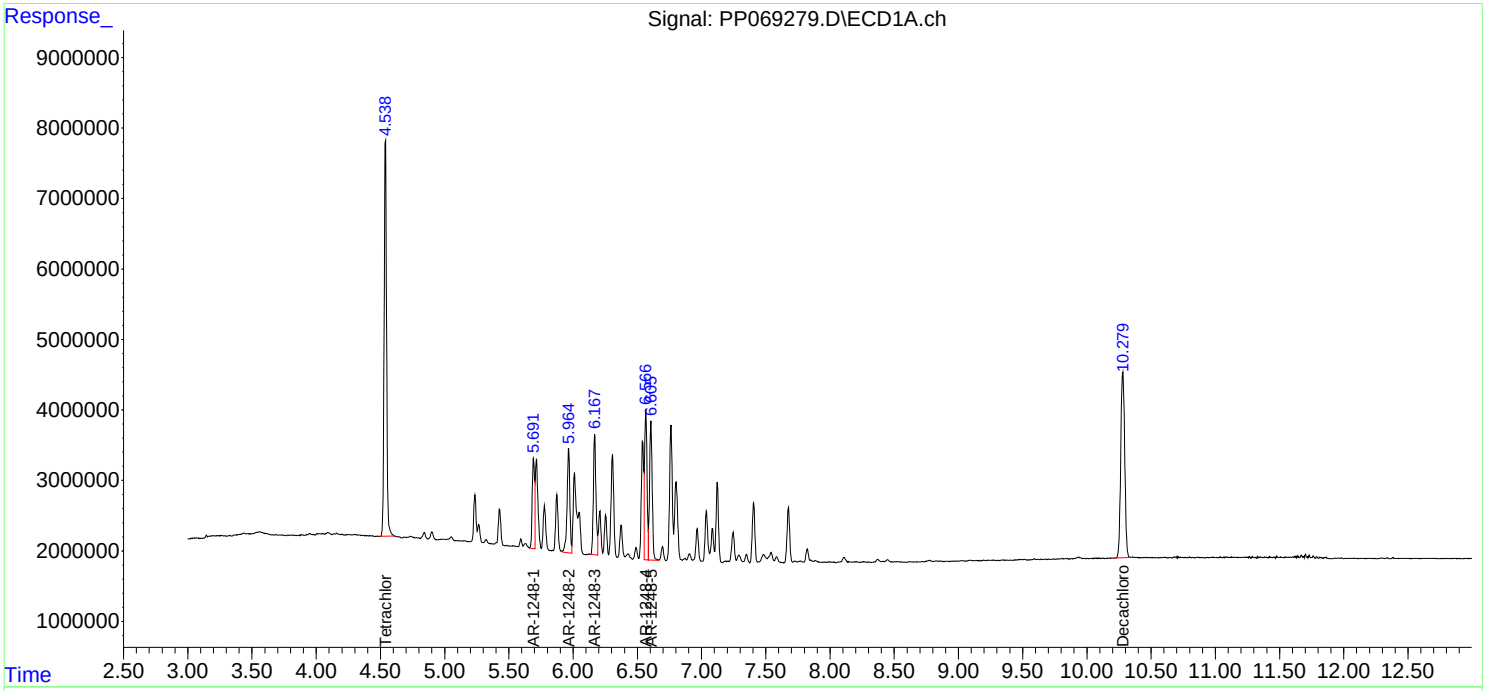
ICAL Form

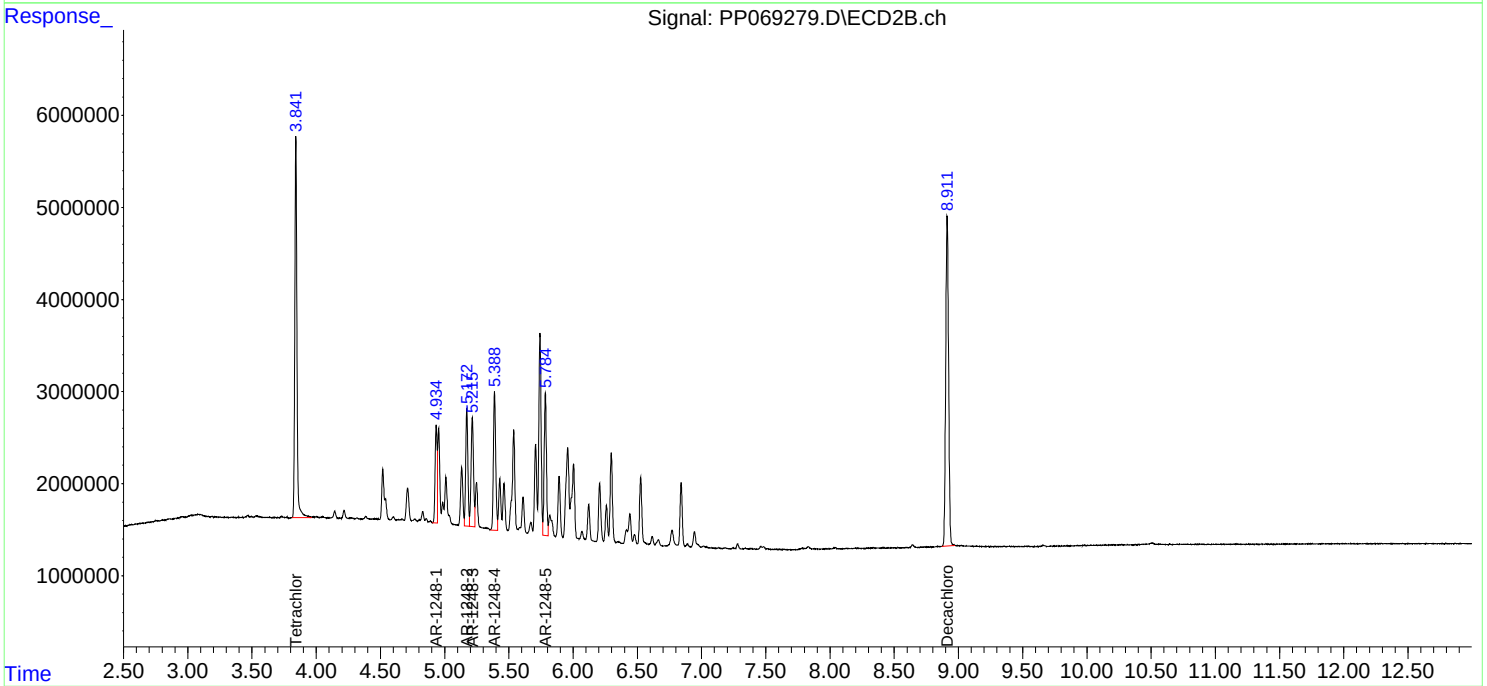
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:58
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

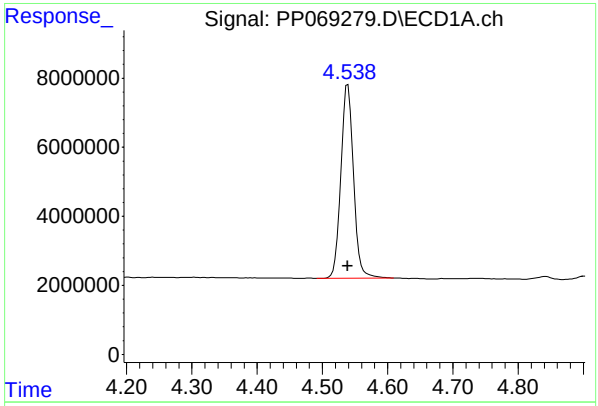
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



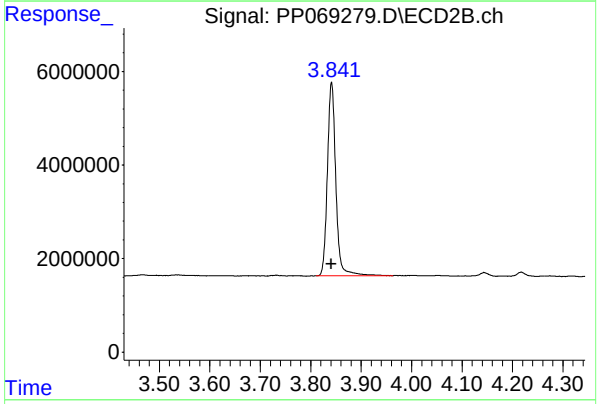




#1 Tetrachloro-m-xylene

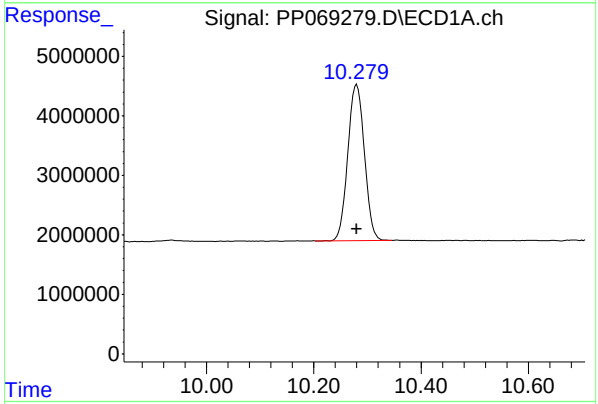
R.T.: 4.539 min
Delta R.T.: 0.000 min
Response: 75663746
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



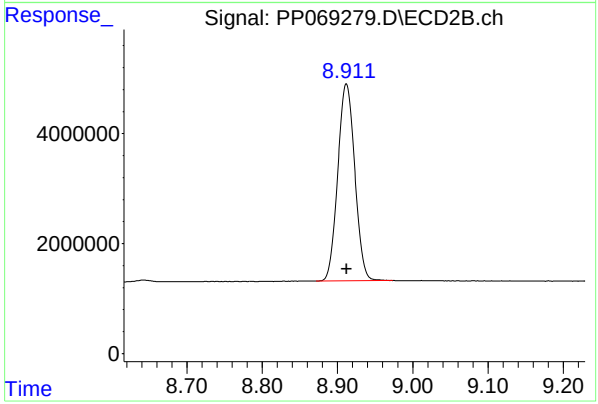
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 48204955
Conc: 50.00 ng/ml



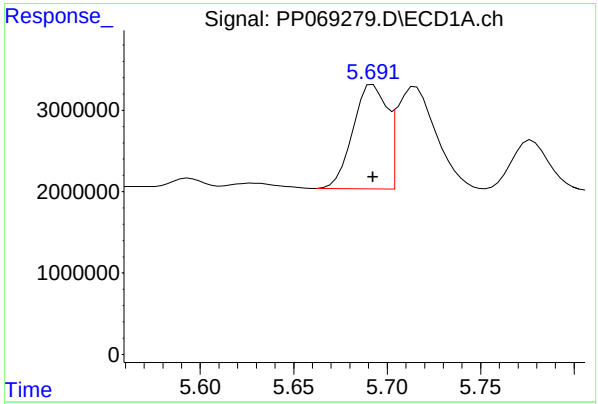
#2 Decachlorobiphenyl

R.T.: 10.280 min
Delta R.T.: 0.000 min
Response: 56417147
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

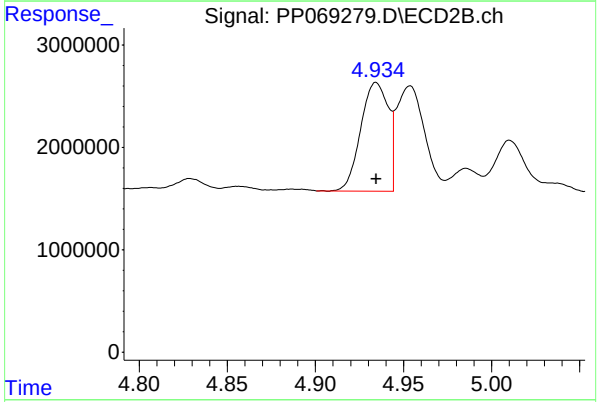
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 56321067
Conc: 50.00 ng/ml



#21 AR-1248-1

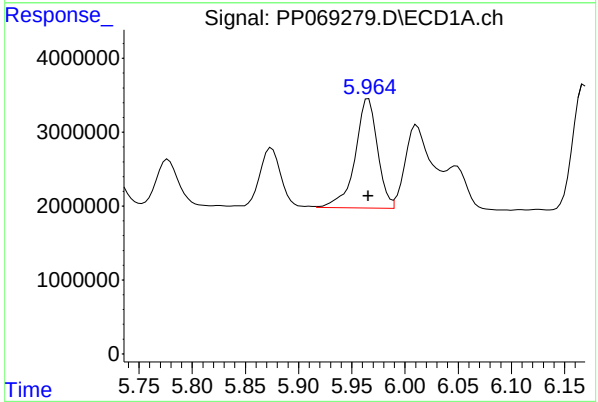
R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 16248025
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



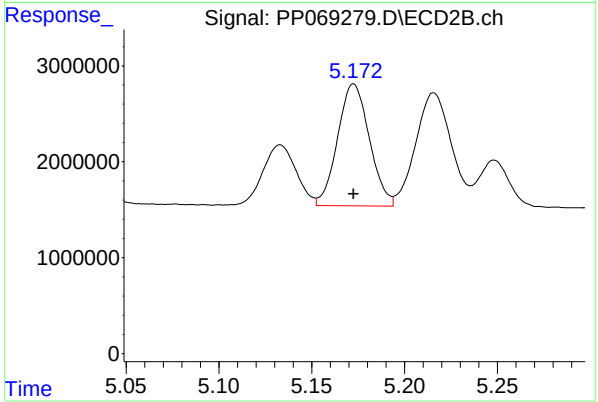
#21 AR-1248-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 11592688
Conc: 500.00 ng/ml



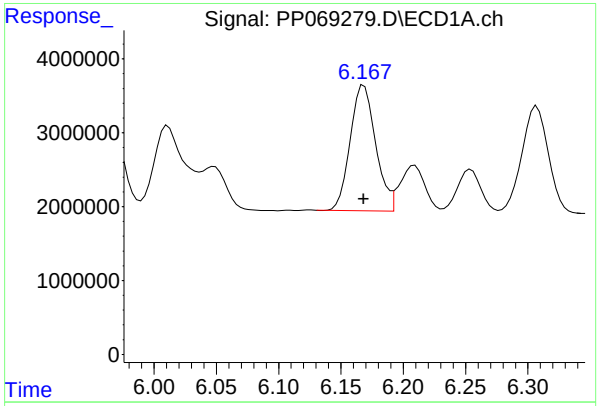
#22 AR-1248-2

R.T.: 5.966 min
Delta R.T.: 0.000 min
Response: 21738491
Conc: 500.00 ng/ml



#22 AR-1248-2

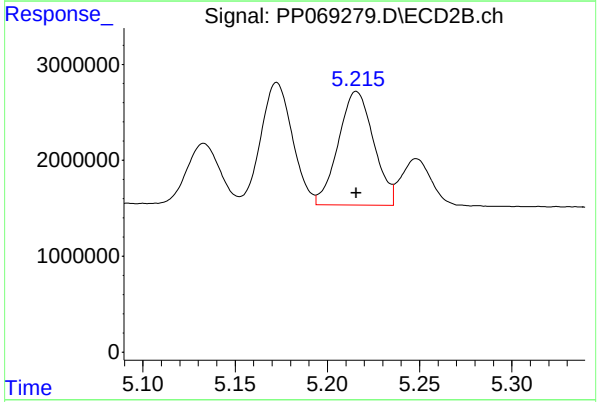
R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 15163563
Conc: 500.00 ng/ml



#23 AR-1248-3

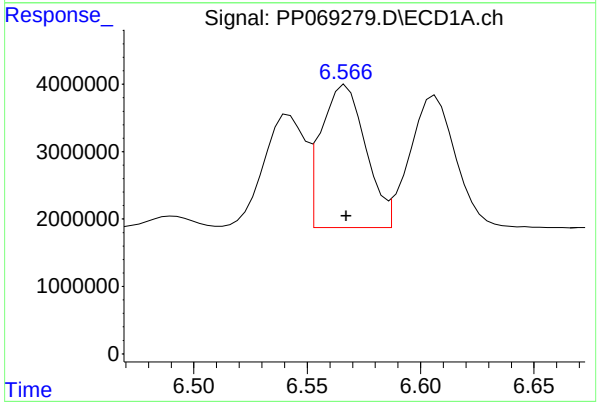
R.T.: 6.168 min
Delta R.T.: 0.000 min
Response: 24137406
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



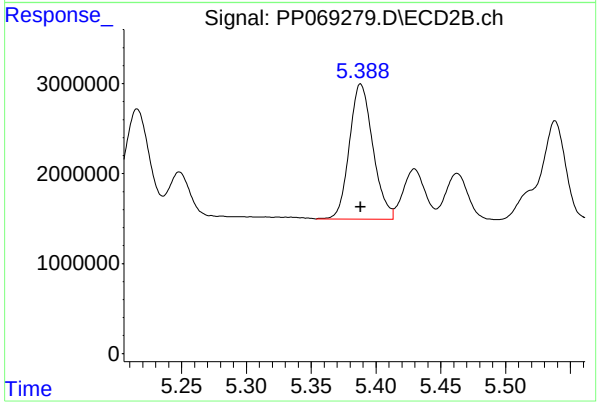
#23 AR-1248-3

R.T.: 5.216 min
Delta R.T.: 0.000 min
Response: 15790400
Conc: 500.00 ng/ml



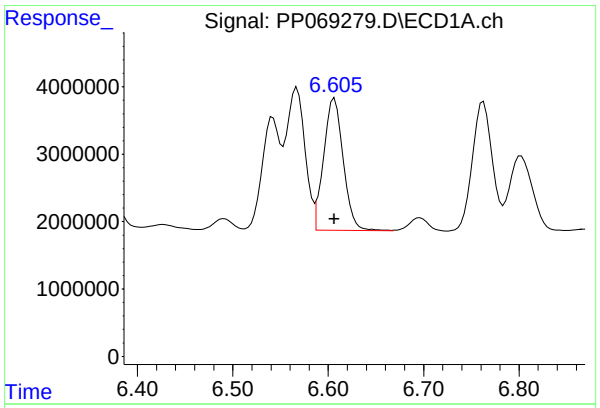
#24 AR-1248-4

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 29024379
Conc: 500.00 ng/ml



#24 AR-1248-4

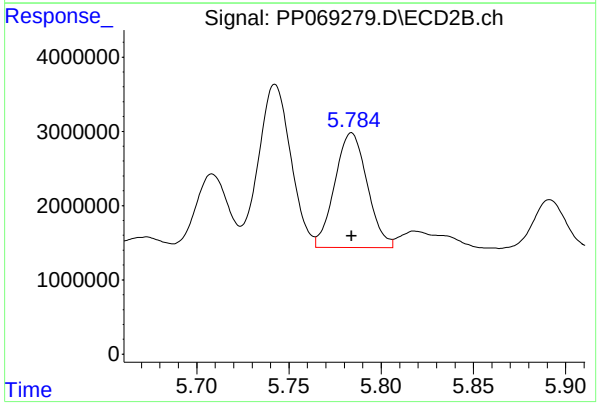
R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 18939791
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.606 min
Delta R.T.: 0.000 mi
Response: 27848887
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 18917464
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:15
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:47:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.535	3.840	38900473	25359775	26.336	26.416
2)	SA Decachlor...	10.277	8.911	29432874	30058024	26.677	28.164
	Target Compounds						
21)	L5 AR-1248-1	5.689	4.933	9122332	6315546	281.174	278.735
22)	L5 AR-1248-2	5.962	5.171	11494735	8502337	270.029	282.333
23)	L5 AR-1248-3	6.165	5.214	12315718	8710002	263.285	279.197
24)	L5 AR-1248-4	6.562	5.387	14748750	10295186	262.158m	277.163
25)	L5 AR-1248-5	6.602	5.783	14422513	10509480	268.328m	277.028

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:15
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

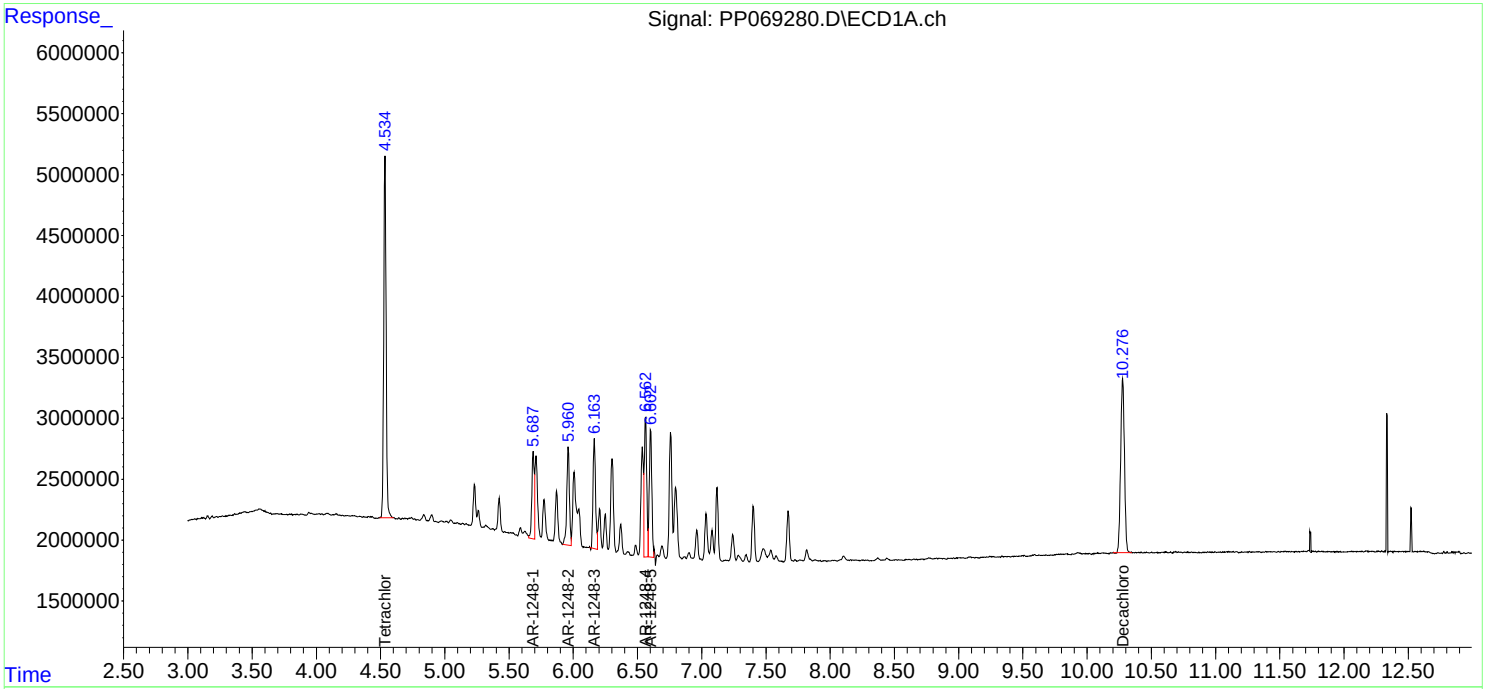
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

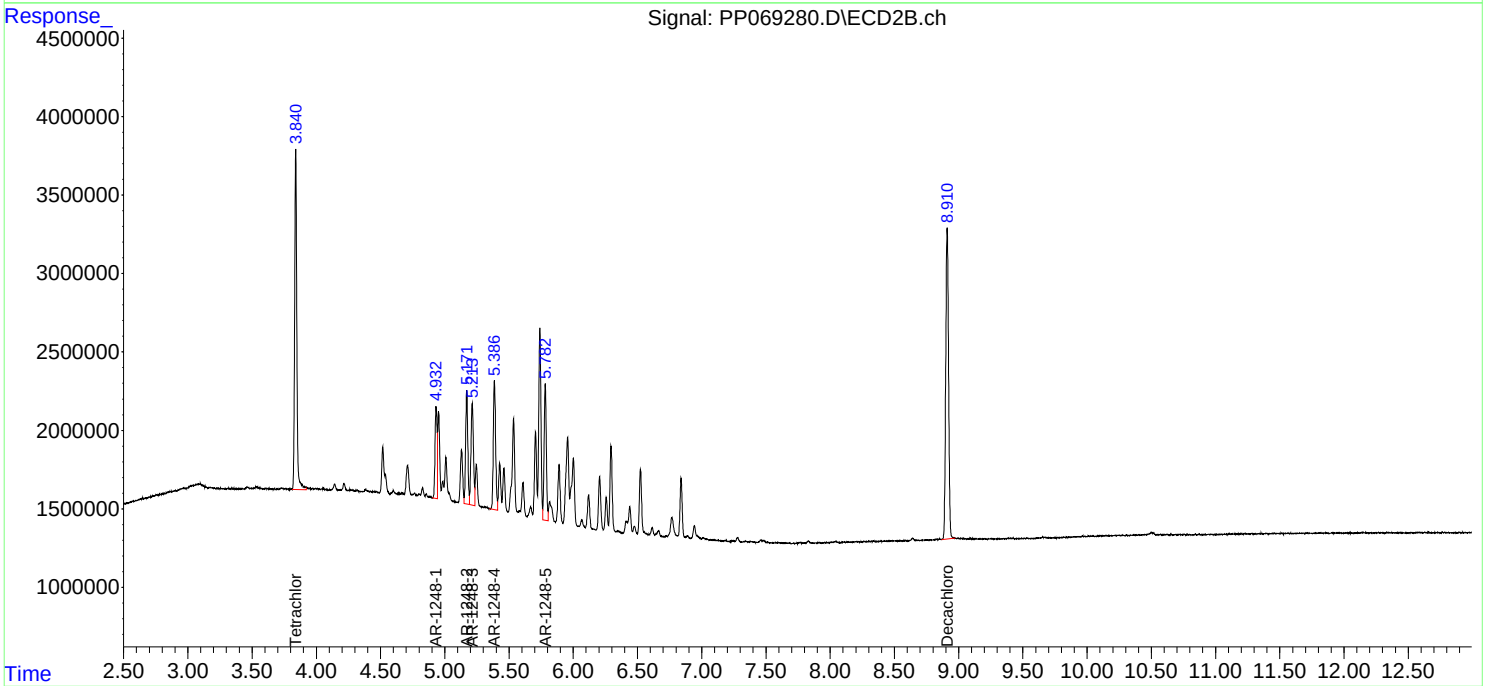
Manual Integrations APPROVED

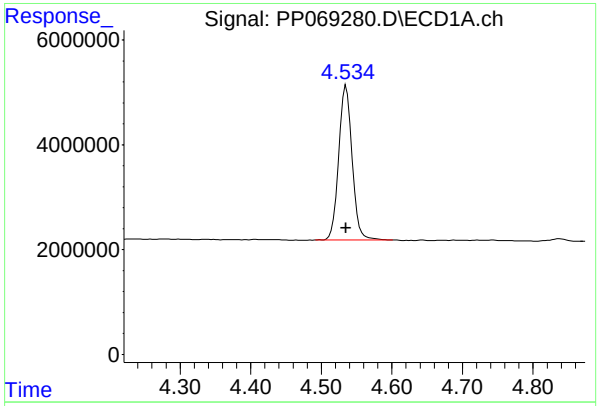
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:47:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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







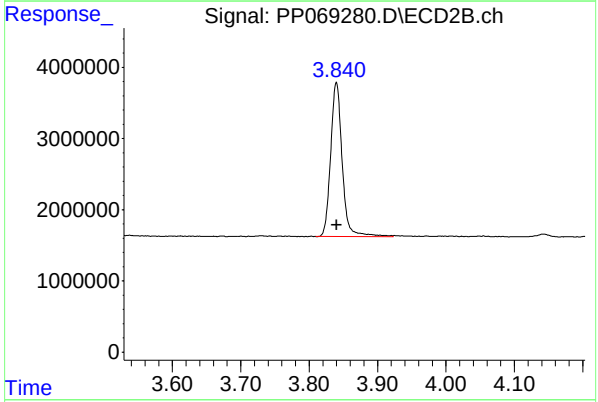
#1 Tetrachloro-m-xylene

R.T.: 4.535 min
Delta R.T.: 0.000 min
Response: 38900473
Conc: 26.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

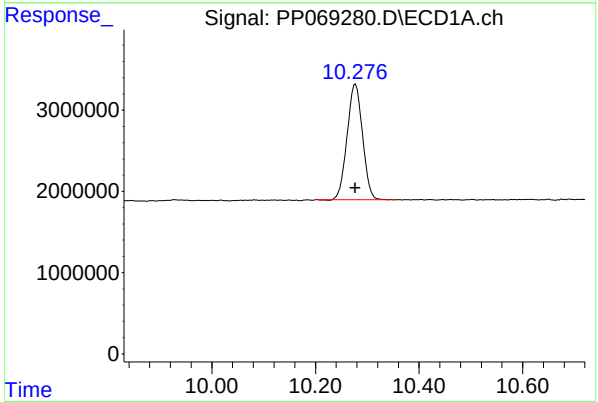
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



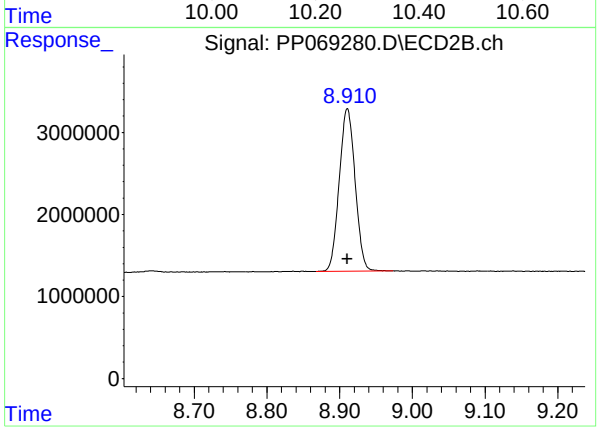
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 25359775
Conc: 26.42 ng/ml



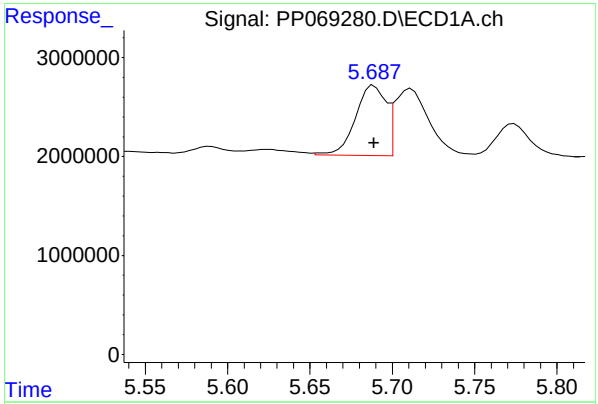
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 29432874
Conc: 26.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 30058024
Conc: 28.16 ng/ml



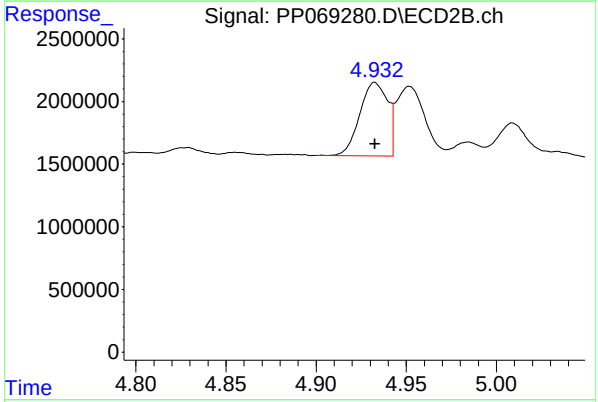
#21 AR-1248-1

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 9122332
Conc: 281.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

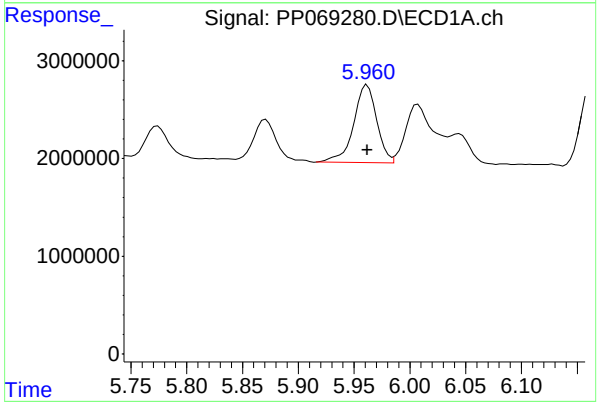
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



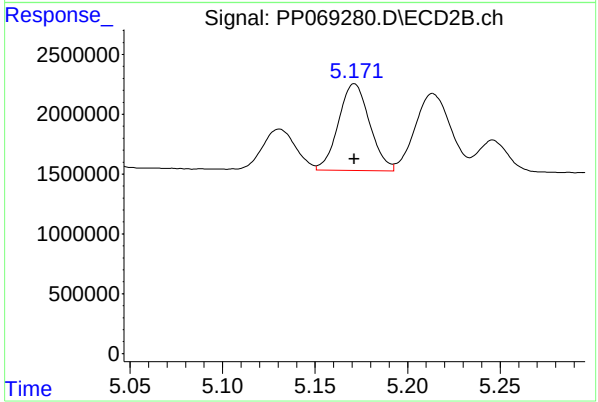
#21 AR-1248-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 6315546
Conc: 278.73 ng/ml



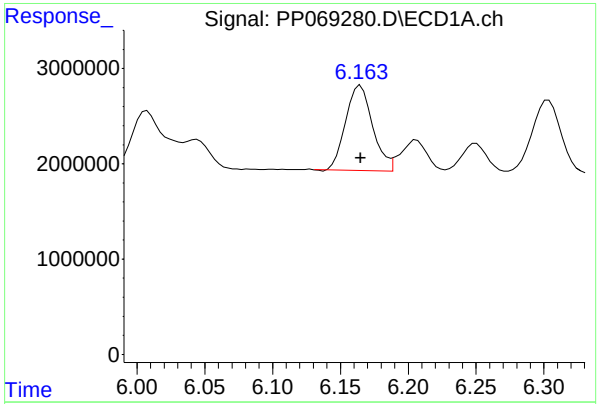
#22 AR-1248-2

R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 11494735
Conc: 270.03 ng/ml



#22 AR-1248-2

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 8502337
Conc: 282.33 ng/ml



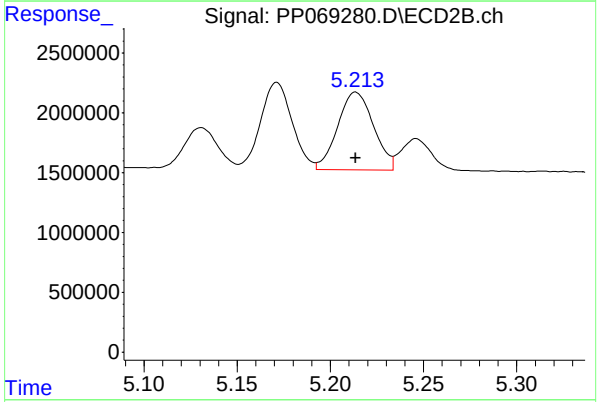
#23 AR-1248-3

R.T.: 6.165 min
Delta R.T.: 0.000 mi
Response: 12315718
Conc: 263.28 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

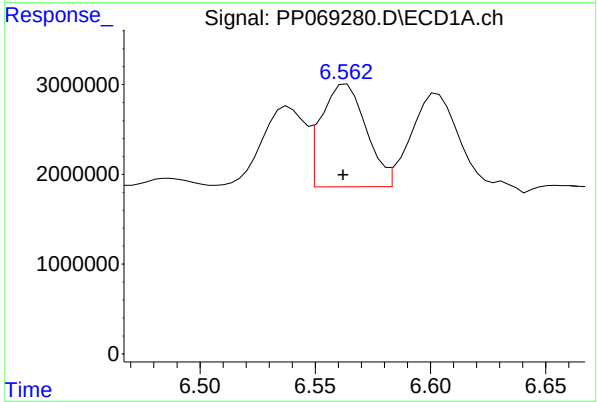
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



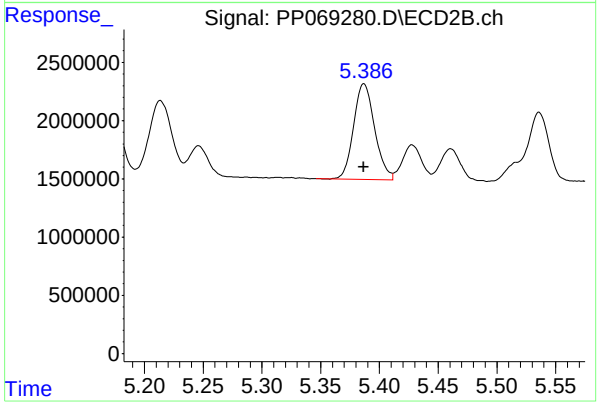
#23 AR-1248-3

R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 8710002
Conc: 279.20 ng/ml



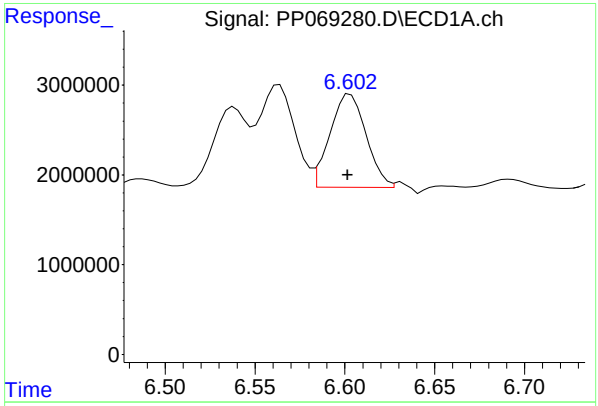
#24 AR-1248-4

R.T.: 6.562 min
Delta R.T.: 0.000 min
Response: 14748750
Conc: 262.16 ng/ml m



#24 AR-1248-4

R.T.: 5.387 min
Delta R.T.: 0.000 min
Response: 10295186
Conc: 277.16 ng/ml



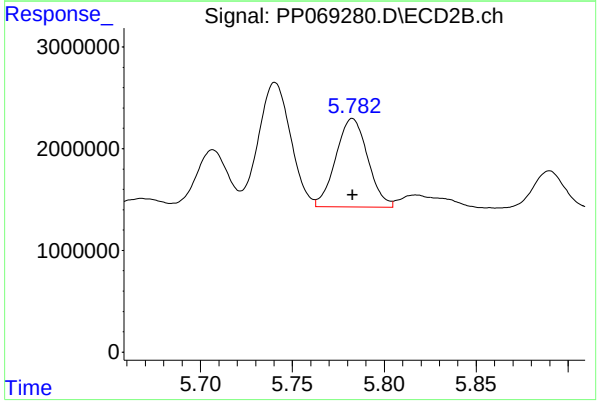
#25 AR-1248-5

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 14422513
Conc: 268.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



#25 AR-1248-5

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 10509480
Conc: 277.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:31
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:50:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.536	3.841	6169681	4124462	4.319	4.421
2)	SA Decachlor...	10.278	8.912	5023917	5520243	4.636	5.137
	Target Compounds						
21)	L5 AR-1248-1	5.690	4.934	1621026	971056	49.971	44.118
22)	L5 AR-1248-2	5.963	5.173	2097890	1493224	49.424	49.667
23)	L5 AR-1248-3	6.165	5.215	2391359	1506753	50.894	48.630
24)	L5 AR-1248-4	6.565	5.388	2581995	1806945	46.842	48.911
25)	L5 AR-1248-5	6.604	5.784	2537395	1760053	47.531	47.074

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

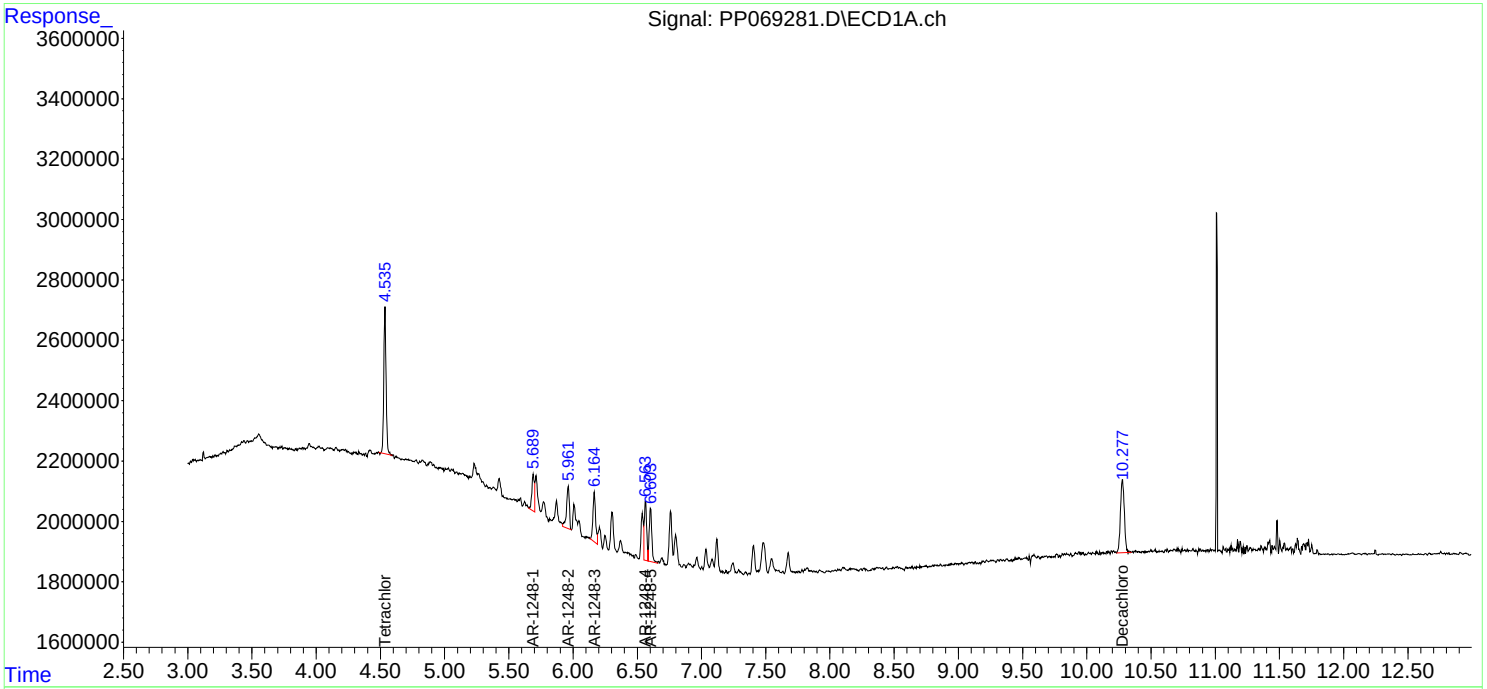
ICAL Form

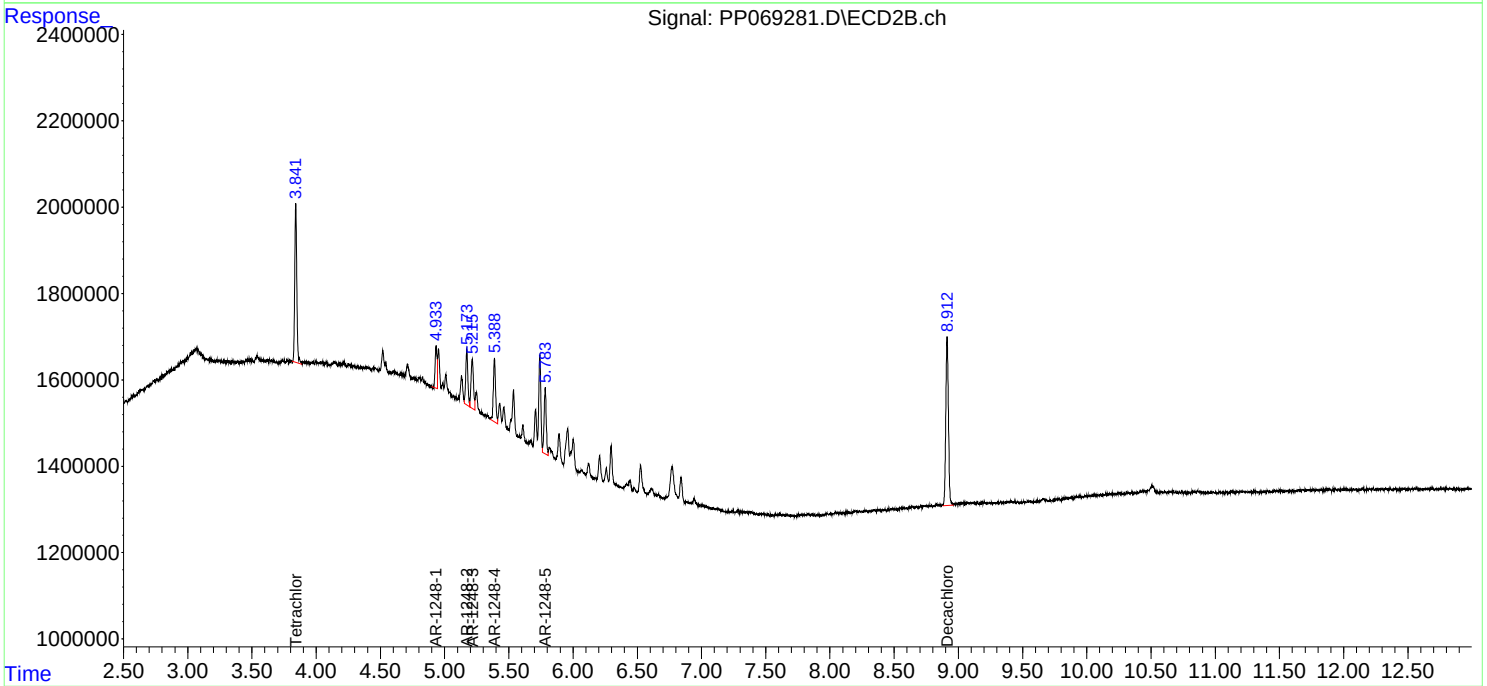
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:31
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

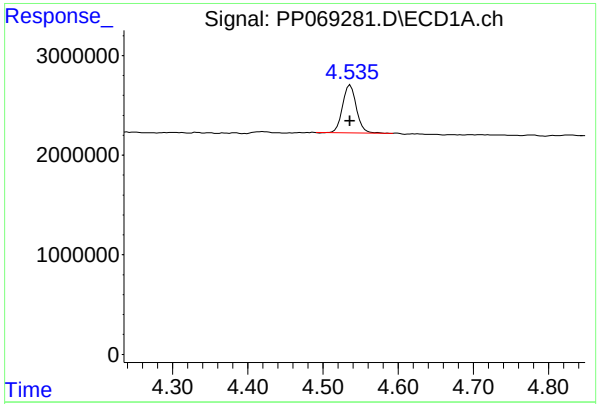
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:50:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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



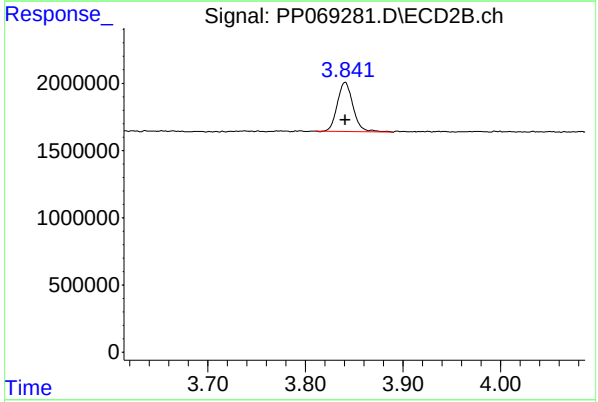




#1 Tetrachloro-m-xylene

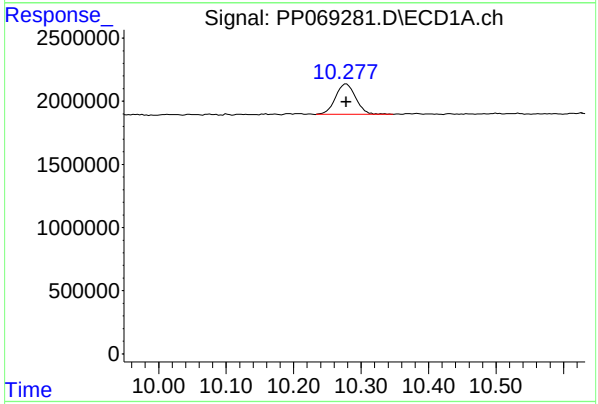
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 6169681
Conc: 4.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



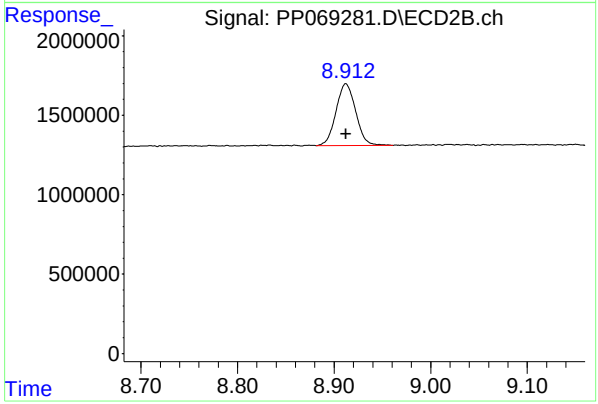
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 4124462
Conc: 4.42 ng/ml



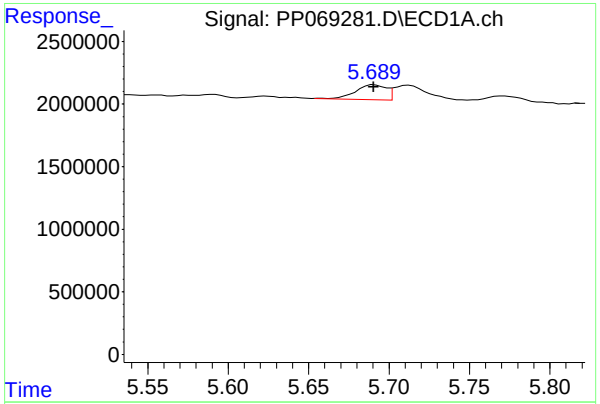
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 5023917
Conc: 4.64 ng/ml



#2 Decachlorobiphenyl

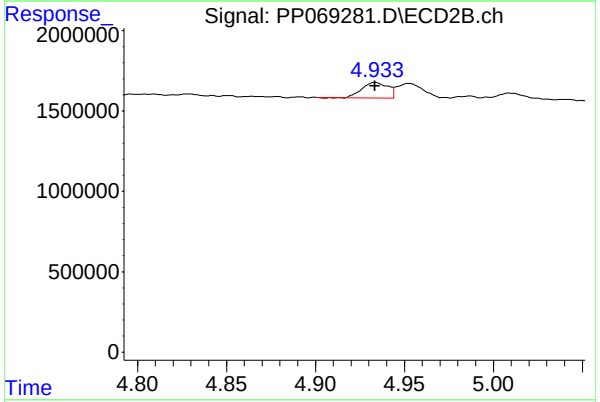
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 5520243
Conc: 5.14 ng/ml



#21 AR-1248-1

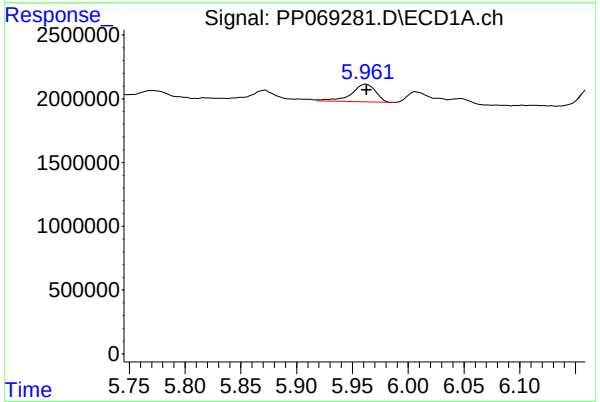
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 1621026
Conc: 49.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



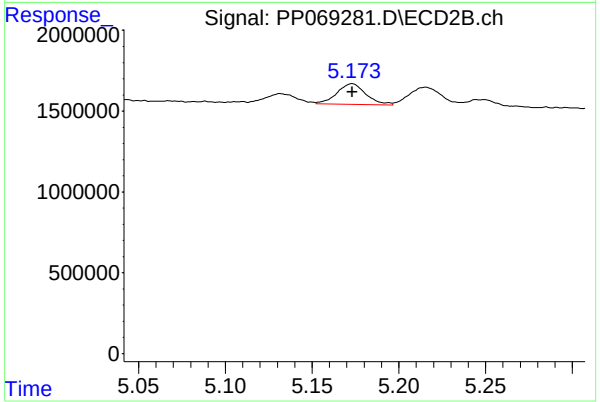
#21 AR-1248-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 971056
Conc: 44.12 ng/ml



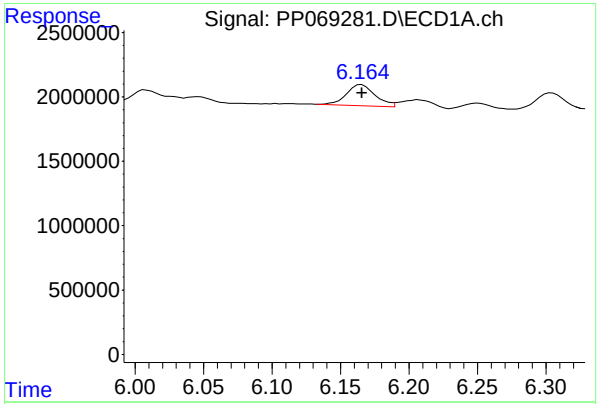
#22 AR-1248-2

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 2097890
Conc: 49.42 ng/ml



#22 AR-1248-2

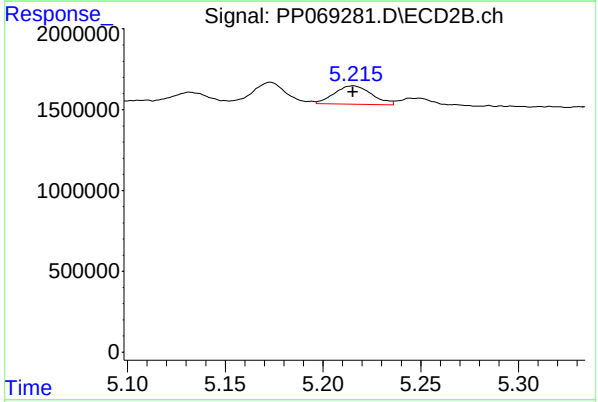
R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 1493224
Conc: 49.67 ng/ml



#23 AR-1248-3

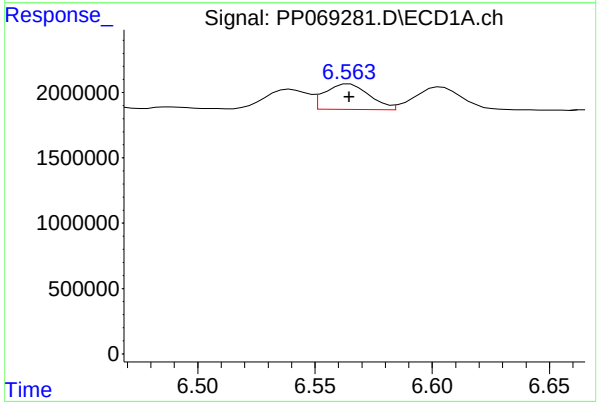
R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 2391359
Conc: 50.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



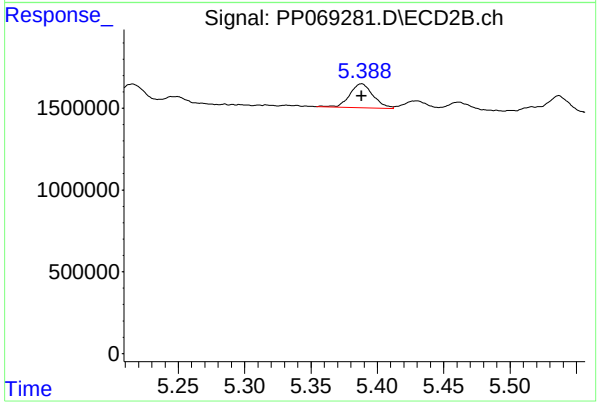
#23 AR-1248-3

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 1506753
Conc: 48.63 ng/ml



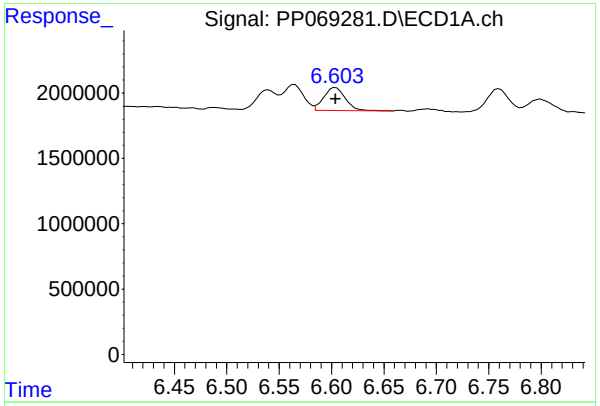
#24 AR-1248-4

R.T.: 6.565 min
Delta R.T.: 0.000 min
Response: 2581995
Conc: 46.84 ng/ml



#24 AR-1248-4

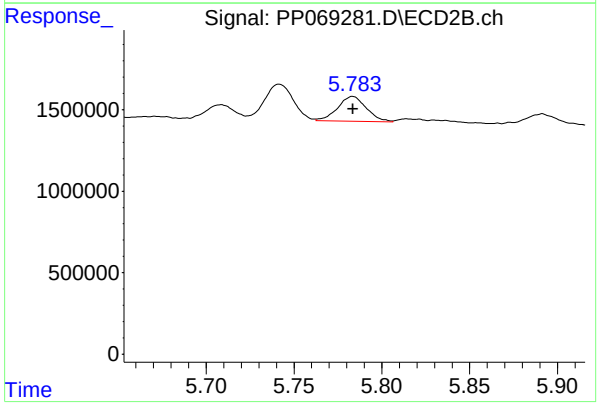
R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 1806945
Conc: 48.91 ng/ml



#25 AR-1248-5

R.T.: 6.604 min
Delta R.T.: 0.000 mi
Response: 2537395
Conc: 47.53 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1760053
Conc: 47.07 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:38:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.536	3.840	142.2E6	95200335	97.758	100.728
2)	SA Decachlor...	10.277	8.911	104.8E6	103.5E6	96.026	96.564
	Target Compounds						
26)	L6 AR-1254-1	6.541	5.741	52694329	53877397	969.975	1004.411
27)	L6 AR-1254-2	6.757	5.890	75242428	46864995	965.868	1003.283
28)	L6 AR-1254-3	7.120	6.295	78719981	74986178	962.506	997.668
29)	L6 AR-1254-4	7.403	6.524	63293404	49801197	945.679	999.626
30)	L6 AR-1254-5	7.820	6.943	65136323	65231257	971.069	983.750

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

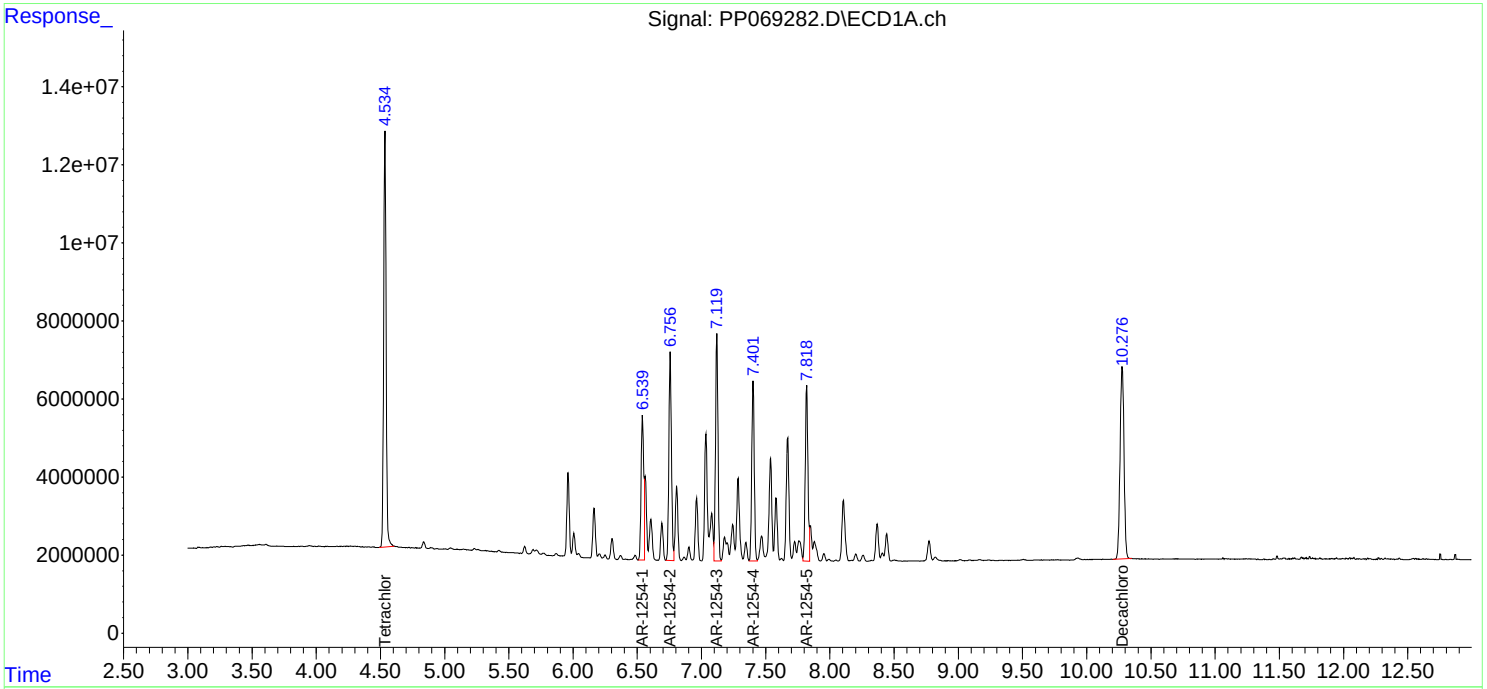
ICAL Form

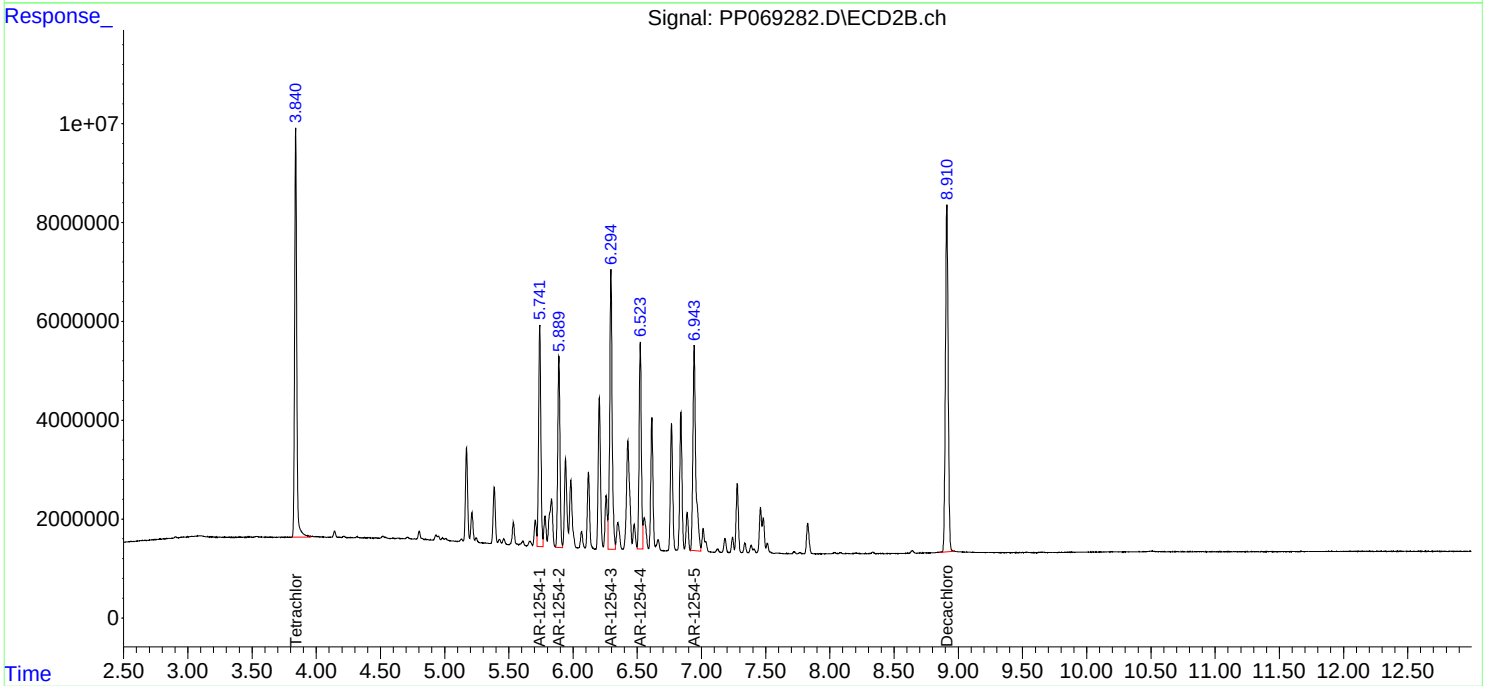
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

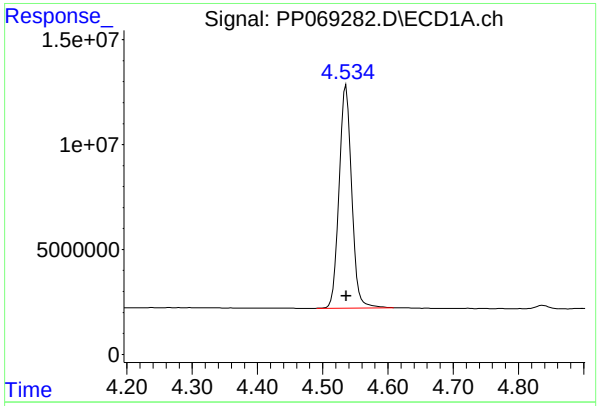
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:38:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



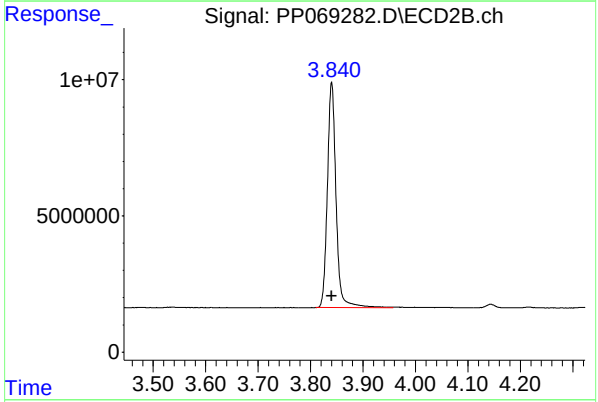




#1 Tetrachloro-m-xylene

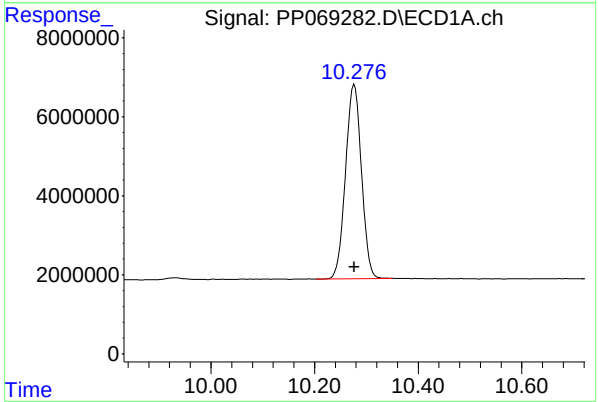
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 142181041
Conc: 97.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



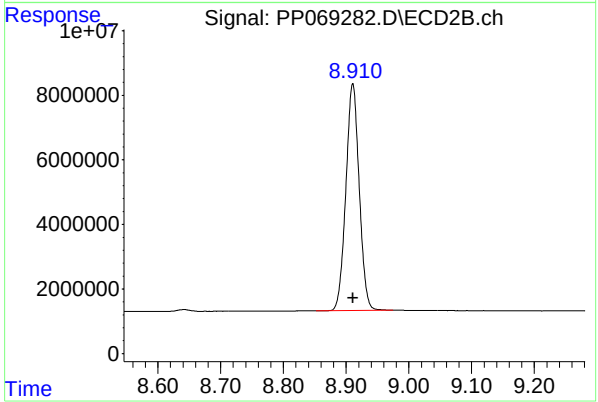
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 95200335
Conc: 100.73 ng/ml



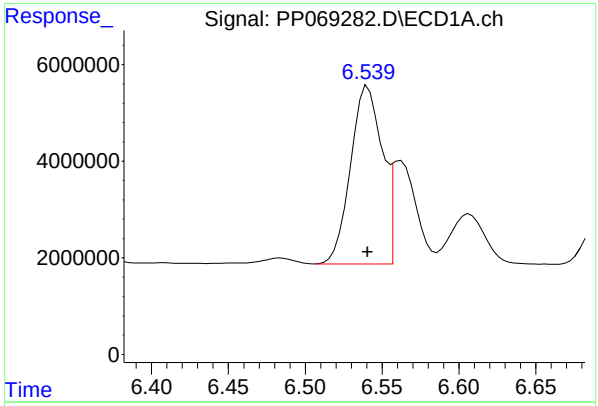
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 104831277
Conc: 96.03 ng/ml



#2 Decachlorobiphenyl

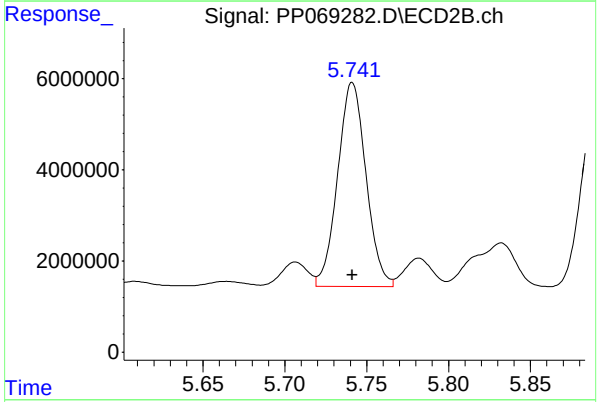
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 103519921
Conc: 96.56 ng/ml



#26 AR-1254-1

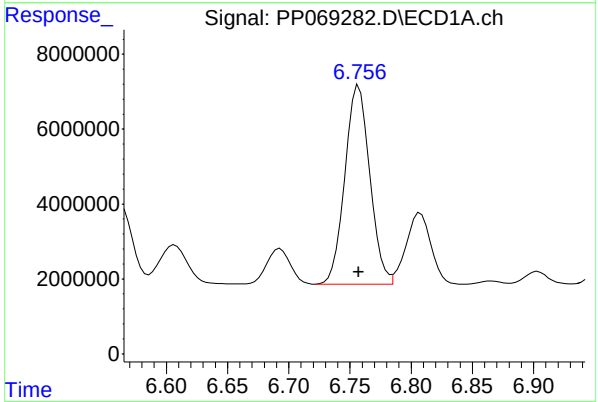
R.T.: 6.541 min
Delta R.T.: 0.000 min
Response: 52694329
Conc: 969.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



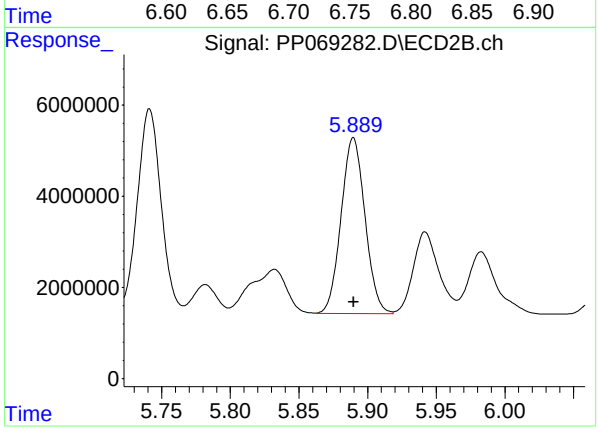
#26 AR-1254-1

R.T.: 5.741 min
Delta R.T.: 0.000 min
Response: 53877397
Conc: 1004.41 ng/ml



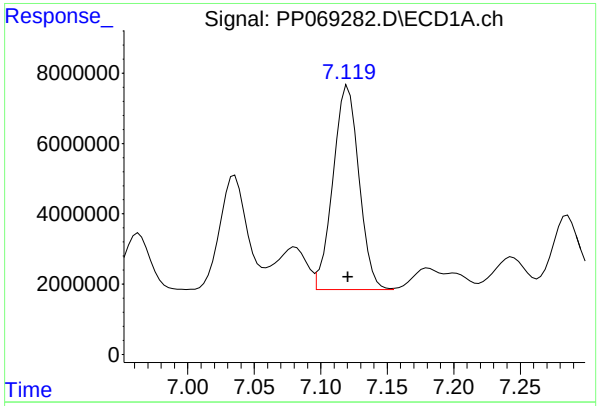
#27 AR-1254-2

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 75242428
Conc: 965.87 ng/ml



#27 AR-1254-2

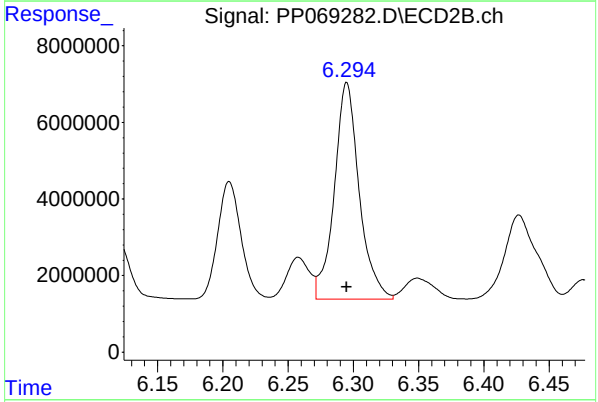
R.T.: 5.890 min
Delta R.T.: 0.000 min
Response: 46864995
Conc: 1003.28 ng/ml



#28 AR-1254-3

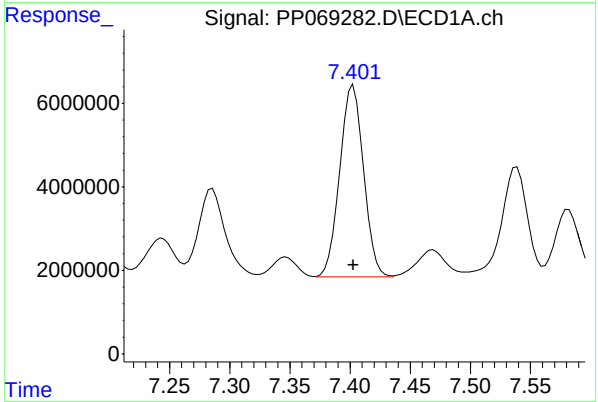
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 78719981
Conc: 962.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



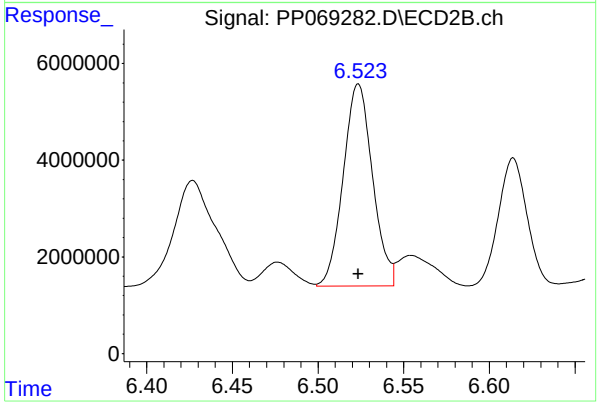
#28 AR-1254-3

R.T.: 6.295 min
Delta R.T.: 0.000 min
Response: 74986178
Conc: 997.67 ng/ml



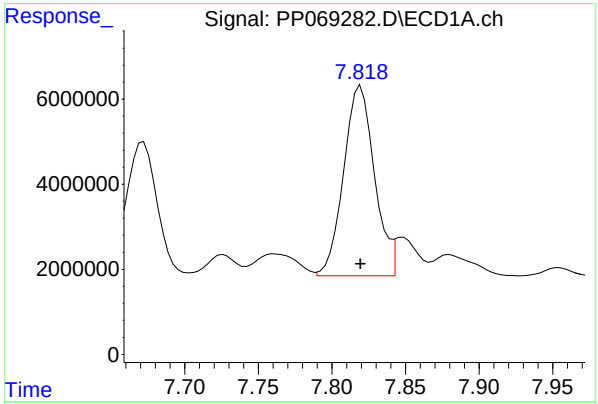
#29 AR-1254-4

R.T.: 7.403 min
Delta R.T.: 0.000 min
Response: 63293404
Conc: 945.68 ng/ml



#29 AR-1254-4

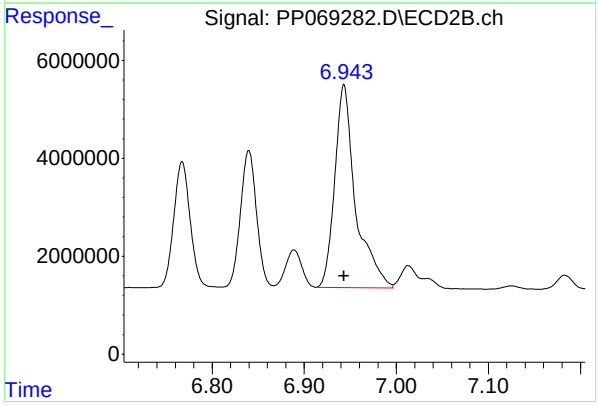
R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 49801197
Conc: 999.63 ng/ml



#30 AR-1254-5

R.T.: 7.820 min
Delta R.T.: 0.000 min
Response: 65136323
Conc: 971.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.943 min
Delta R.T.: 0.000 min
Response: 65231257
Conc: 983.75 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.539	3.841	111.7E6	72162165	76.169	75.896
2)	SA Decachlor...	10.279	8.912	82401911	85497248	75.320	78.103
	Target Compounds						
26)	L6 AR-1254-1	6.544	5.743	42092792	41065443	766.370	760.304
27)	L6 AR-1254-2	6.761	5.891	60091044	35579285	764.115	757.746
28)	L6 AR-1254-3	7.123	6.297	62798989	55893880	761.800	745.755
29)	L6 AR-1254-4	7.406	6.525	50760334	37484466	755.593	751.598
30)	L6 AR-1254-5	7.823	6.945	50923574	50002042	756.096	752.714

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

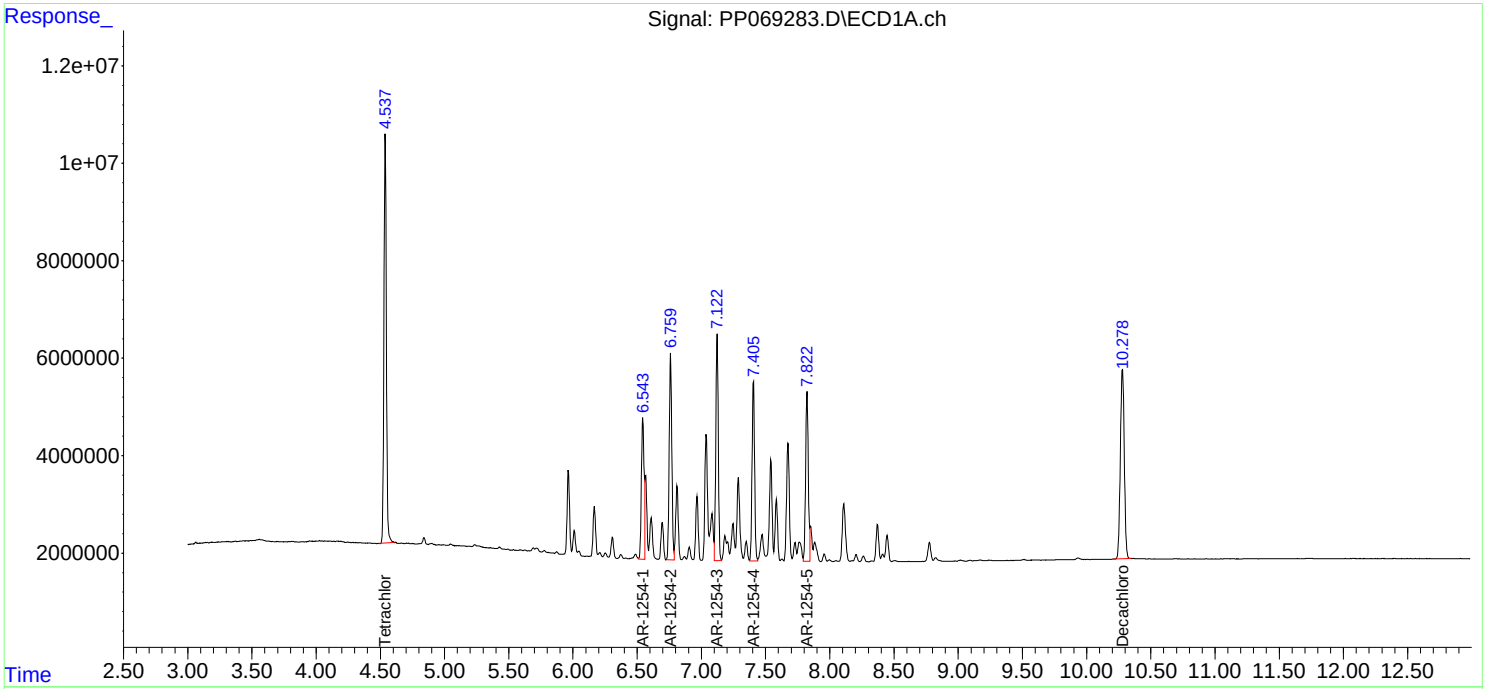
ICAL Form

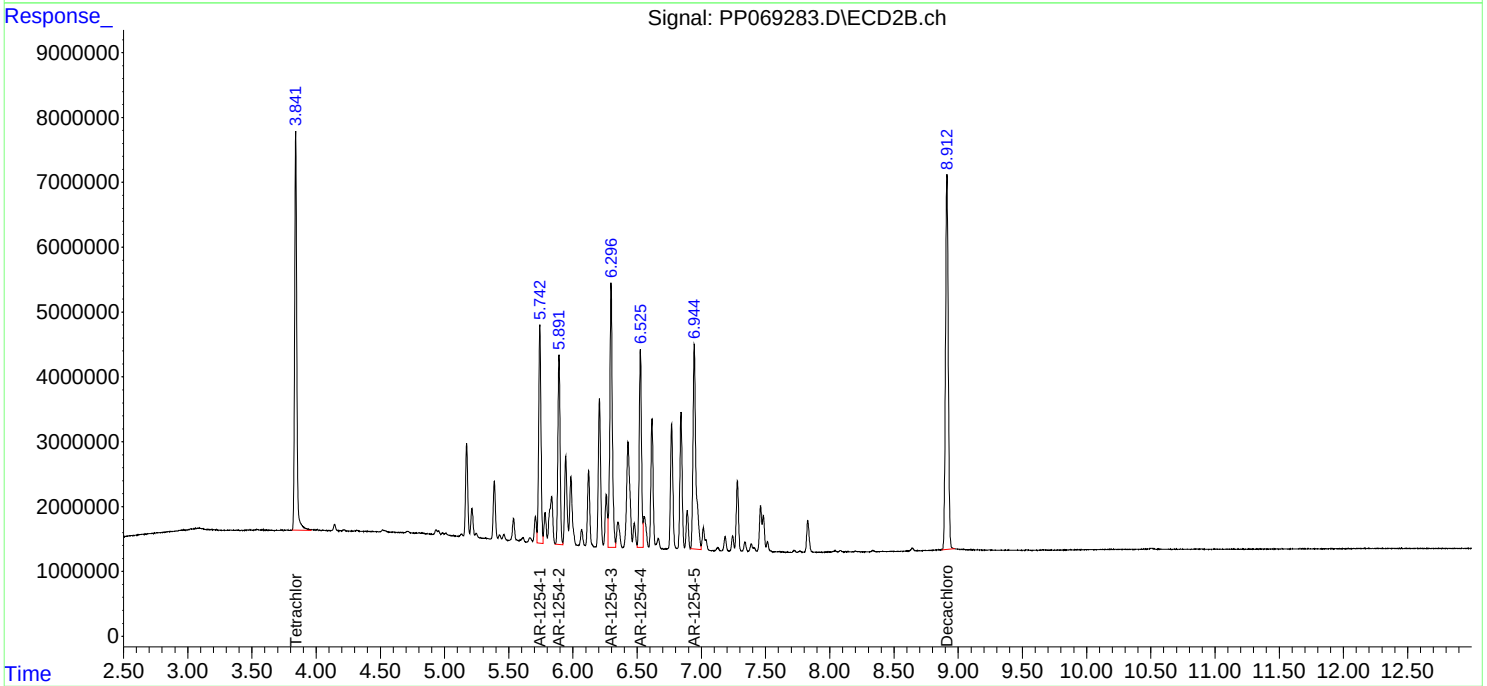
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

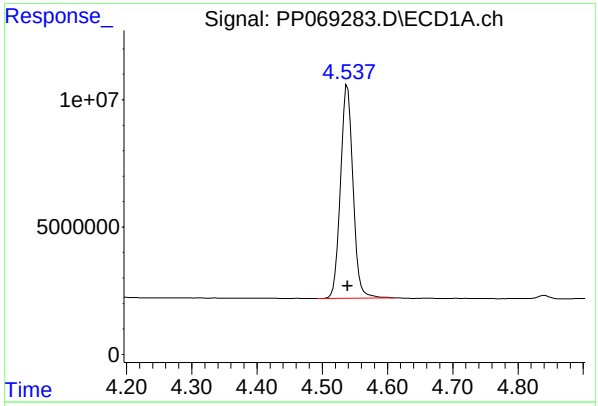
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



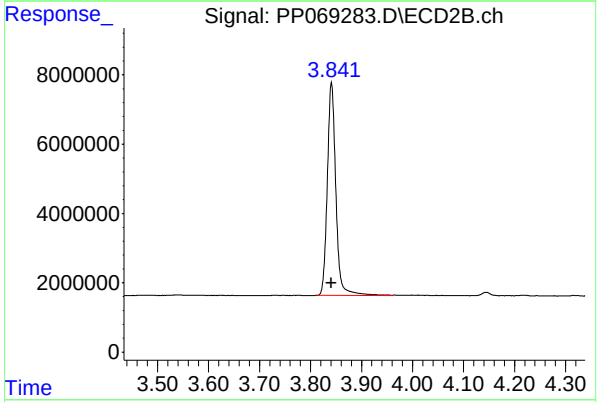




#1 Tetrachloro-m-xylene

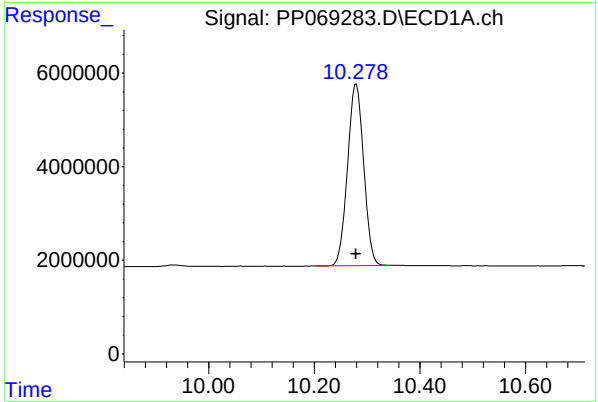
R.T.: 4.539 min
Delta R.T.: 0.000 min
Response: 111652386
Conc: 76.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



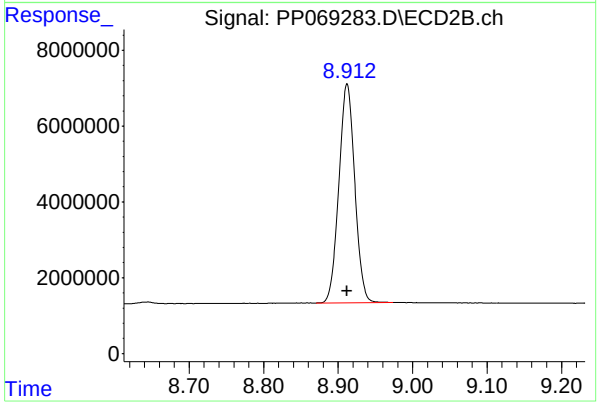
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 72162165
Conc: 75.90 ng/ml



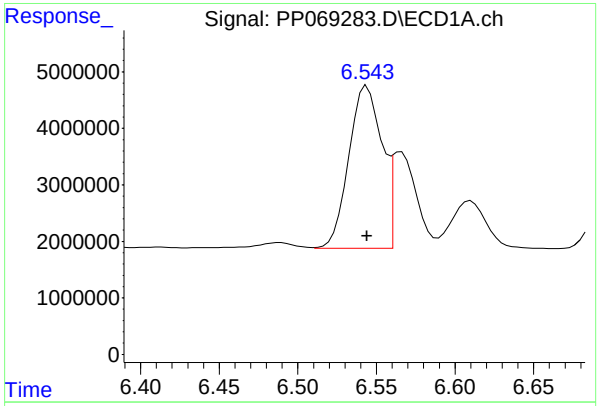
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 82401911
Conc: 75.32 ng/ml



#2 Decachlorobiphenyl

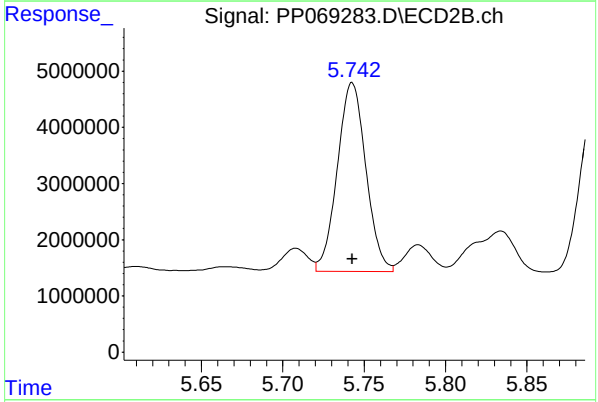
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 85497248
Conc: 78.10 ng/ml



#26 AR-1254-1

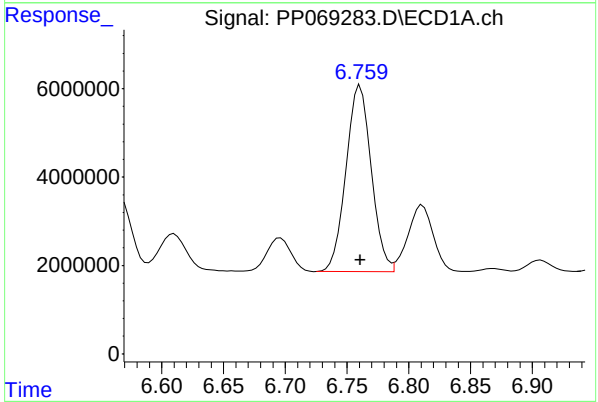
R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 42092792
Conc: 766.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



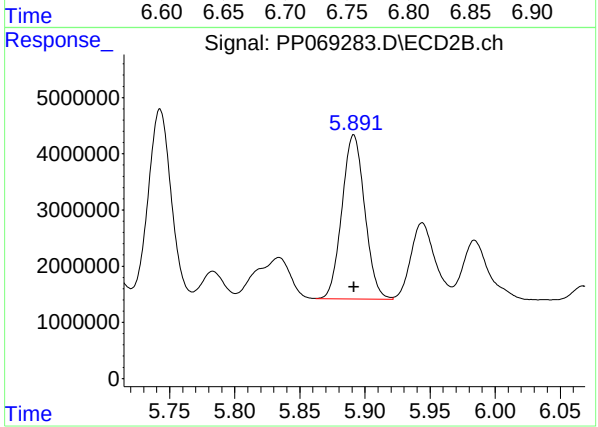
#26 AR-1254-1

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 41065443
Conc: 760.30 ng/ml



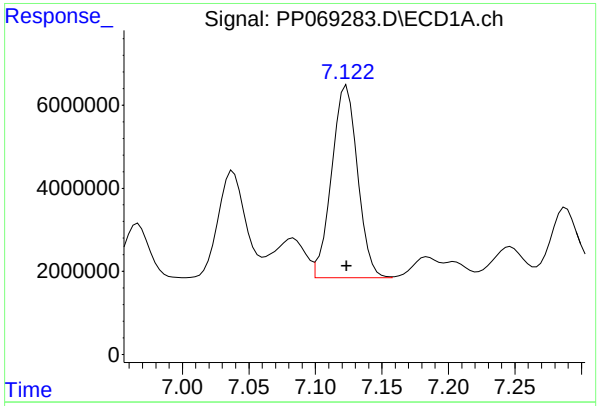
#27 AR-1254-2

R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 60091044
Conc: 764.12 ng/ml



#27 AR-1254-2

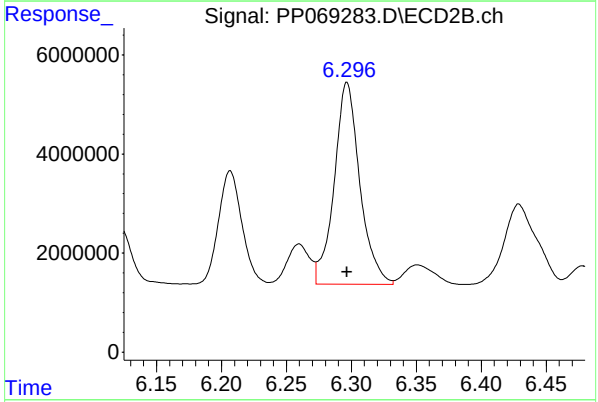
R.T.: 5.891 min
Delta R.T.: 0.000 min
Response: 35579285
Conc: 757.75 ng/ml



#28 AR-1254-3

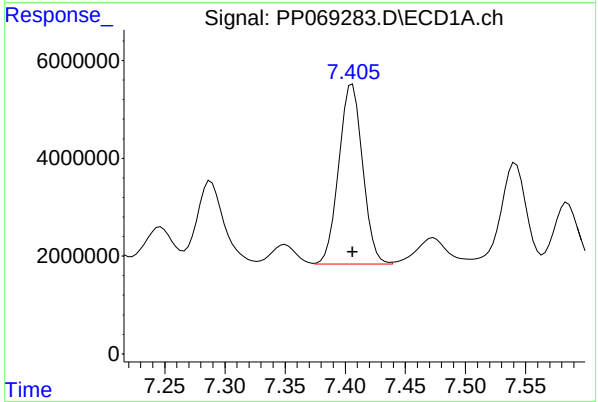
R.T.: 7.123 min
Delta R.T.: 0.000 min
Response: 62798989
Conc: 761.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



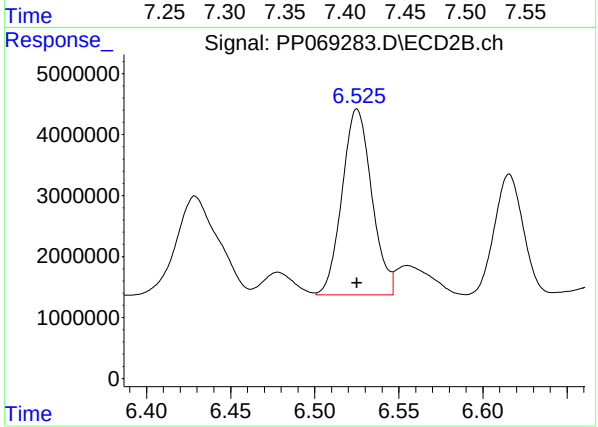
#28 AR-1254-3

R.T.: 6.297 min
Delta R.T.: 0.000 min
Response: 55893880
Conc: 745.76 ng/ml



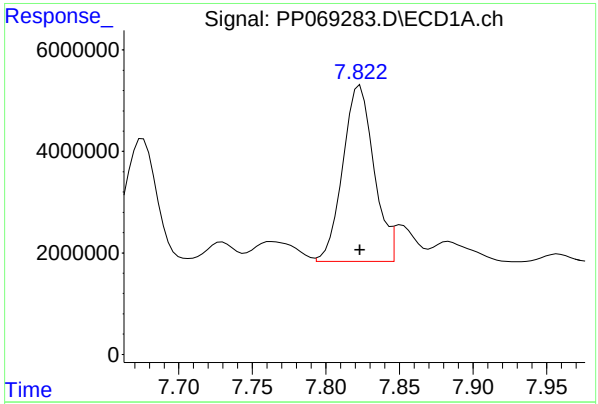
#29 AR-1254-4

R.T.: 7.406 min
Delta R.T.: 0.000 min
Response: 50760334
Conc: 755.59 ng/ml



#29 AR-1254-4

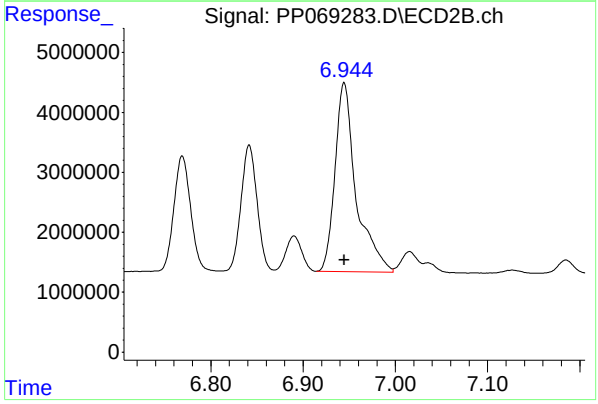
R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 37484466
Conc: 751.60 ng/ml



#30 AR-1254-5

R.T.: 7.823 min
Delta R.T.: 0.000 min
Response: 50923574
Conc: 756.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.945 min
Delta R.T.: 0.000 min
Response: 50002042
Conc: 752.71 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.534	3.840	74350956	46911824	50.000	50.000
2)	SA Decachlor...	10.275	8.909	56754140	55443280	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.539	5.742	27978290	26702115	500.000	500.000
27)	L6 AR-1254-2	6.756	5.890	40280132	23279150	500.000	500.000
28)	L6 AR-1254-3	7.119	6.295	42426502	37668351	500.000	500.000
29)	L6 AR-1254-4	7.401	6.523	35282320	24919247	500.000	500.000
30)	L6 AR-1254-5	7.819	6.944	34508764	33693162	500.000	500.000

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

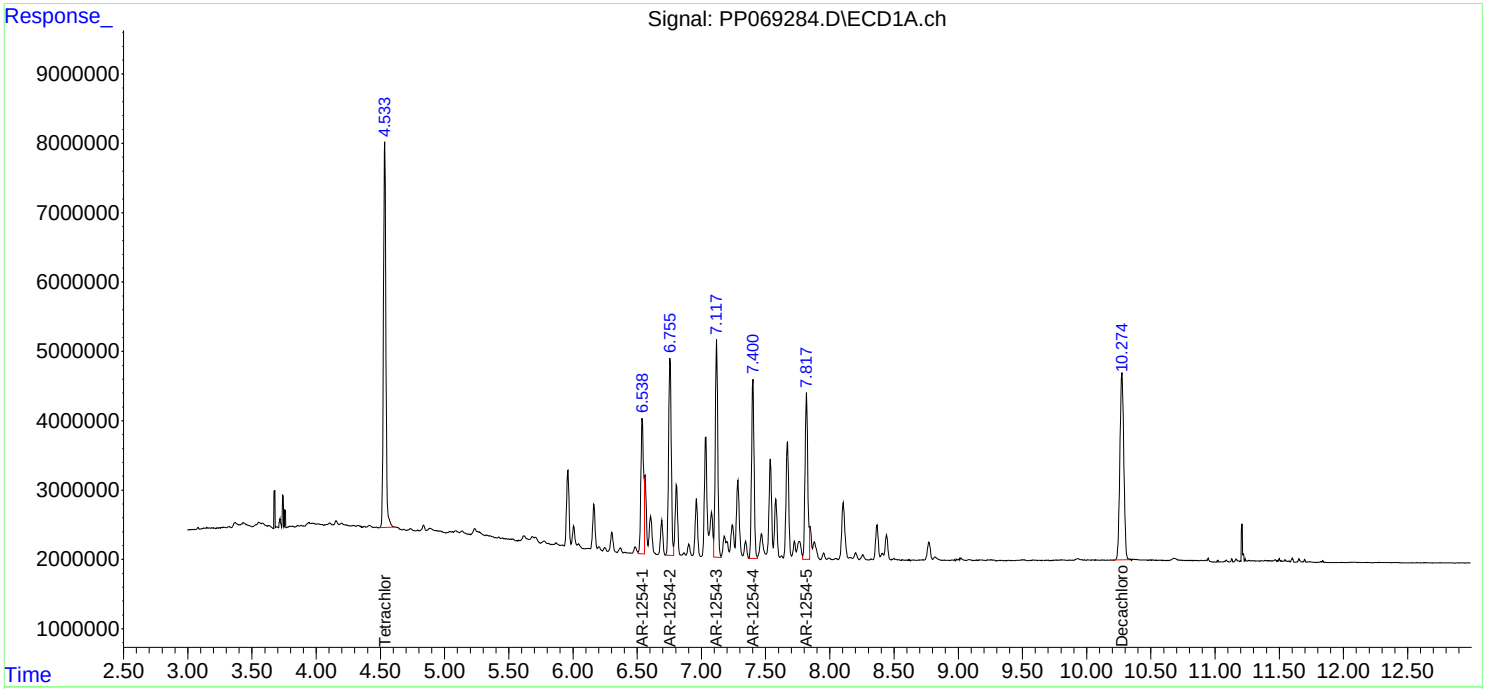
ICAL Form

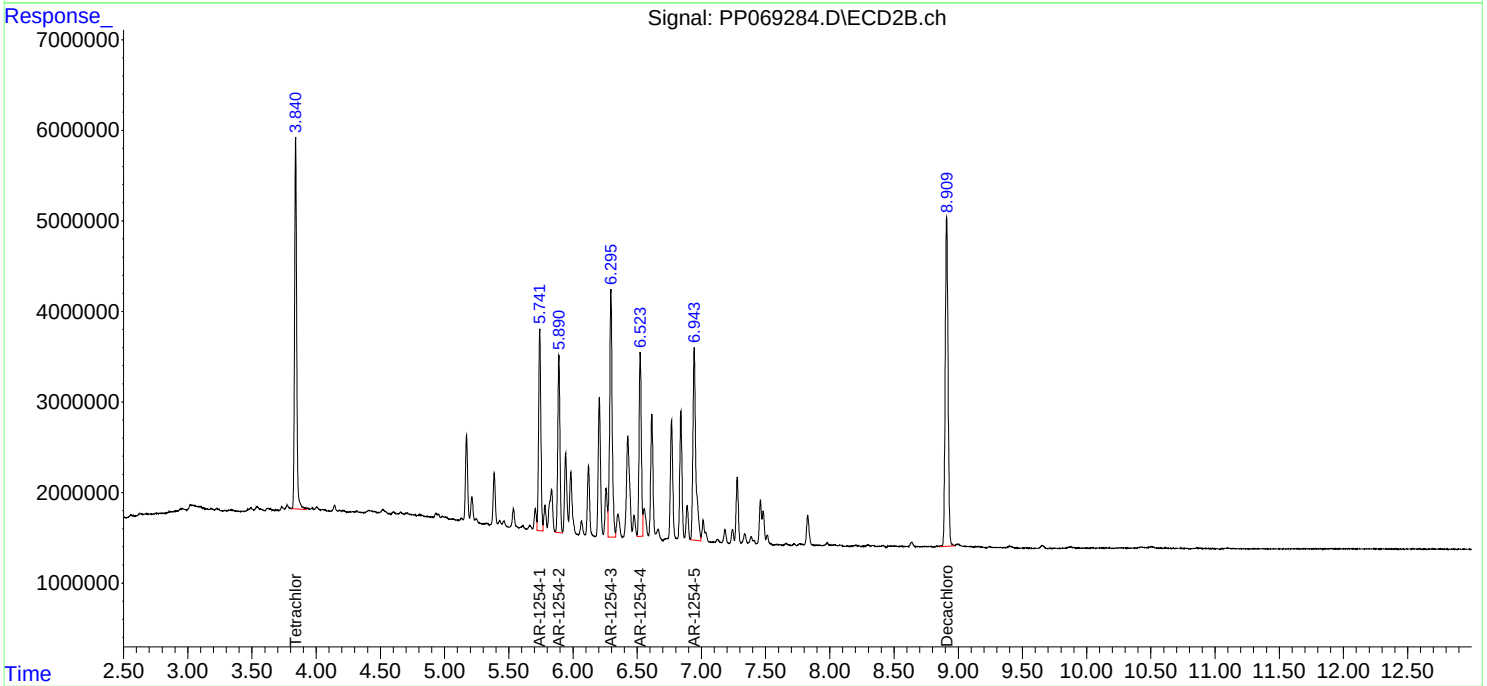
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

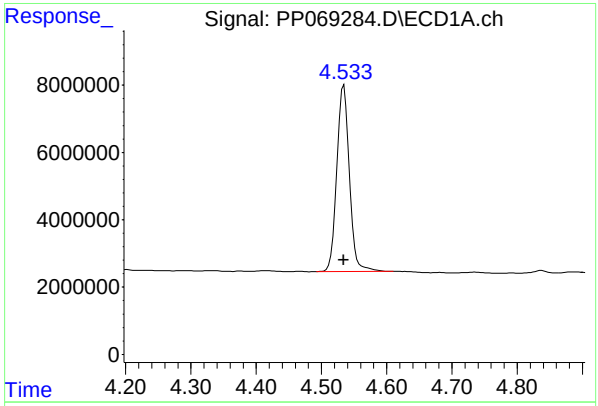
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



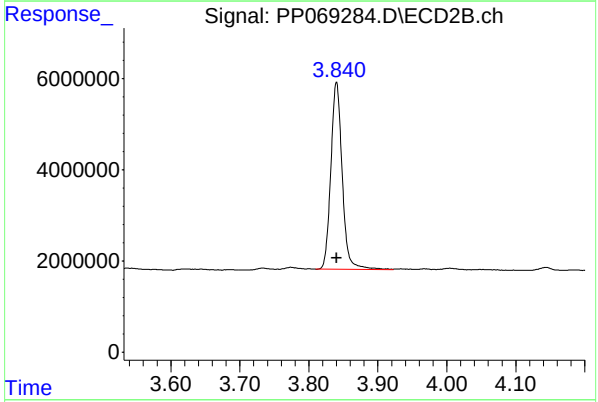




#1 Tetrachloro-m-xylene

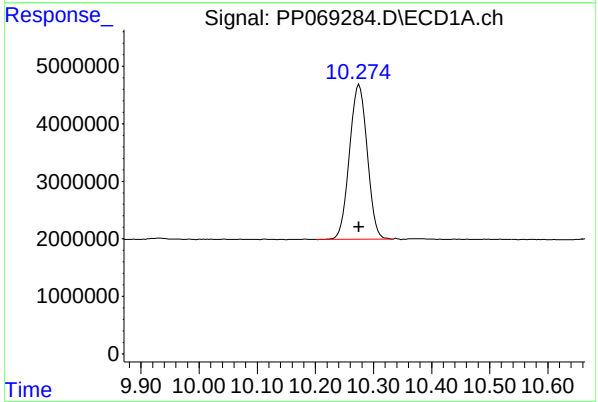
R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 74350956
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



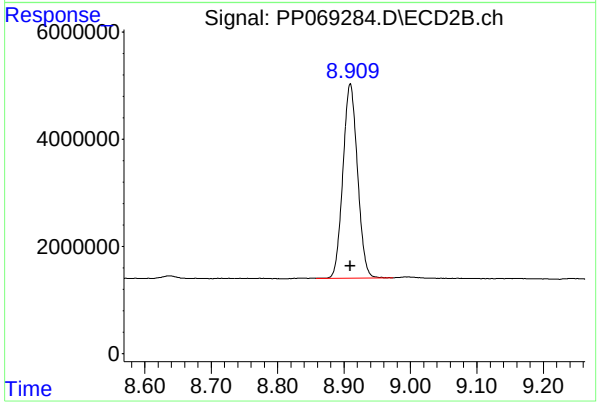
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 46911824
Conc: 50.00 ng/ml



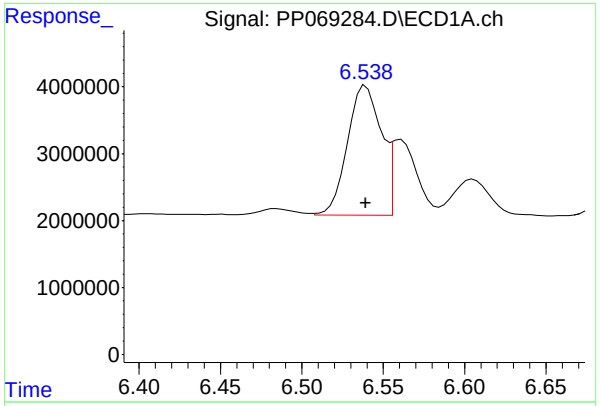
#2 Decachlorobiphenyl

R.T.: 10.275 min
Delta R.T.: 0.000 min
Response: 56754140
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

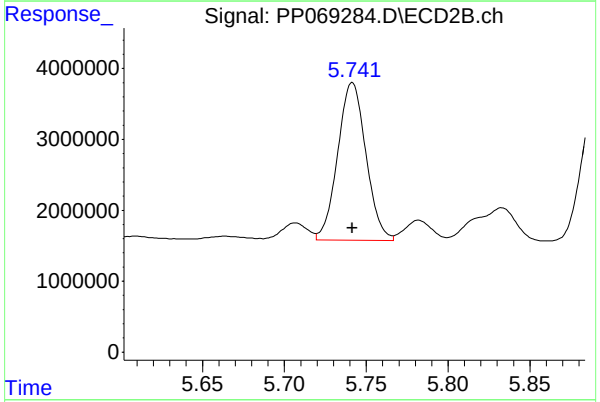
R.T.: 8.909 min
Delta R.T.: 0.000 min
Response: 55443280
Conc: 50.00 ng/ml



#26 AR-1254-1

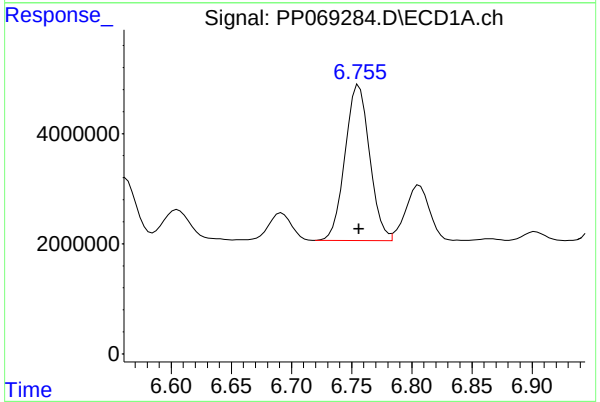
R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 27978290
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



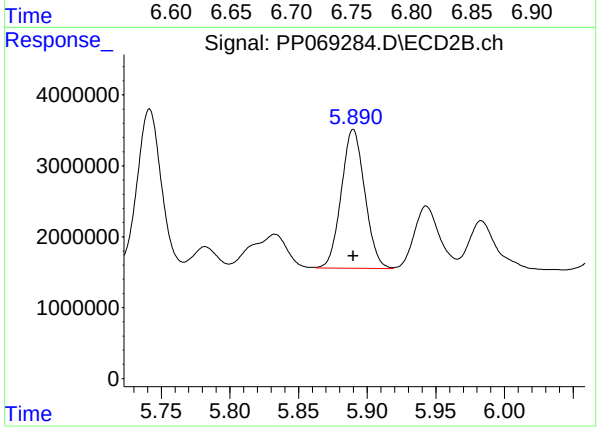
#26 AR-1254-1

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 26702115
Conc: 500.00 ng/ml



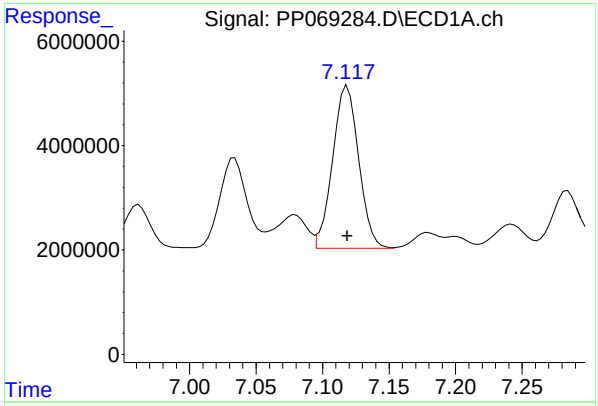
#27 AR-1254-2

R.T.: 6.756 min
Delta R.T.: 0.000 min
Response: 40280132
Conc: 500.00 ng/ml



#27 AR-1254-2

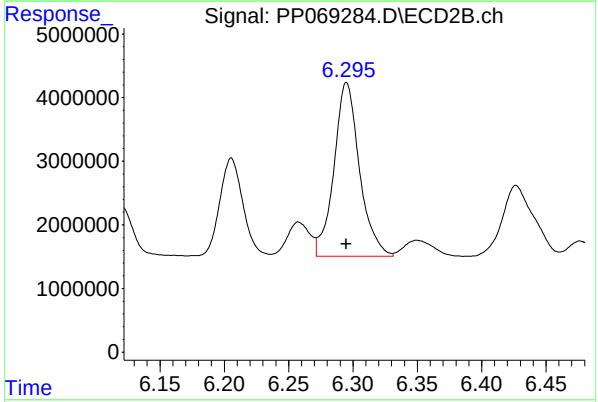
R.T.: 5.890 min
Delta R.T.: 0.000 min
Response: 23279150
Conc: 500.00 ng/ml



#28 AR-1254-3

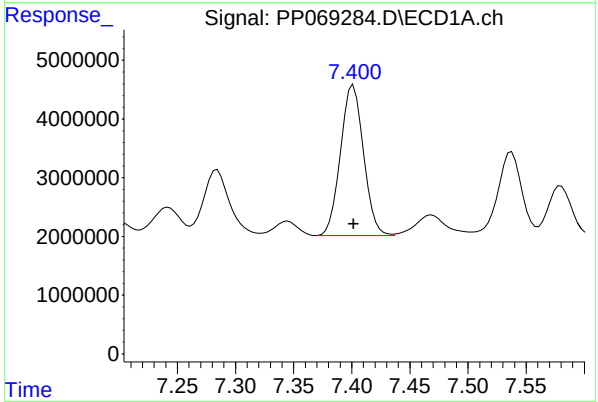
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 42426502
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



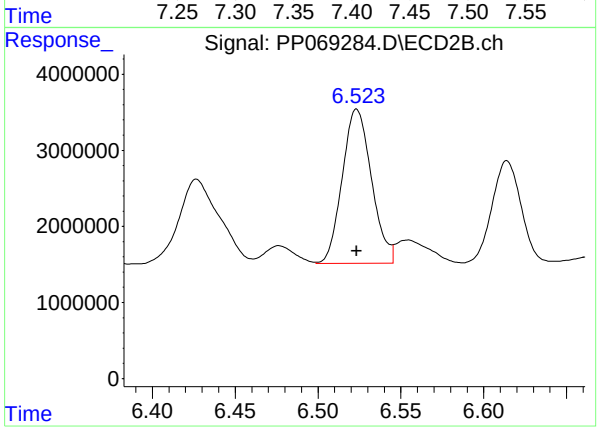
#28 AR-1254-3

R.T.: 6.295 min
Delta R.T.: 0.000 min
Response: 37668351
Conc: 500.00 ng/ml



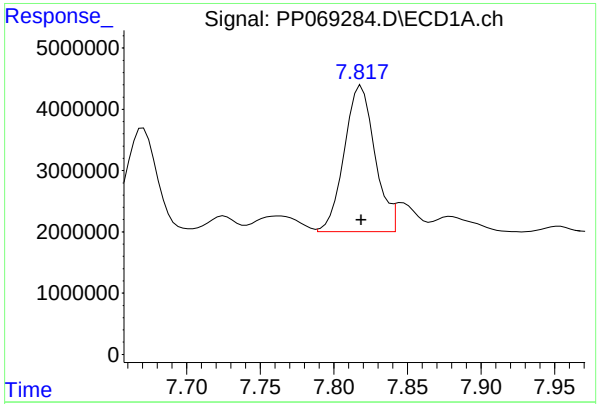
#29 AR-1254-4

R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 35282320
Conc: 500.00 ng/ml



#29 AR-1254-4

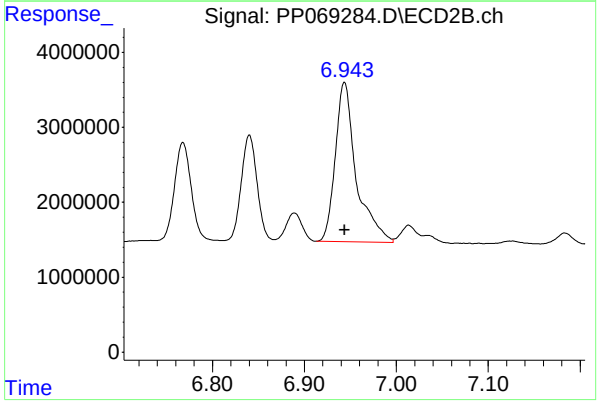
R.T.: 6.523 min
Delta R.T.: 0.000 min
Response: 24919247
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.819 min
Delta R.T.: 0.000 min
Response: 34508764
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 33693162
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:36
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:47:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.537	3.841	38308296	24933870	25.841	25.907
2)	SA Decachlor...	10.277	8.912	29728444	31922182	26.595	27.996
	Target Compounds						
26)	L6 AR-1254-1	6.542	5.742	15348917	15166762	271.458	272.413
27)	L6 AR-1254-2	6.758	5.891	21814148	13205390	269.993	272.720
28)	L6 AR-1254-3	7.121	6.297	22435517	20943244	266.260	271.443
29)	L6 AR-1254-4	7.404	6.525	18279799	14284124	266.219	276.348
30)	L6 AR-1254-5	7.820	6.944	18690696	18712616	270.082	273.040

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

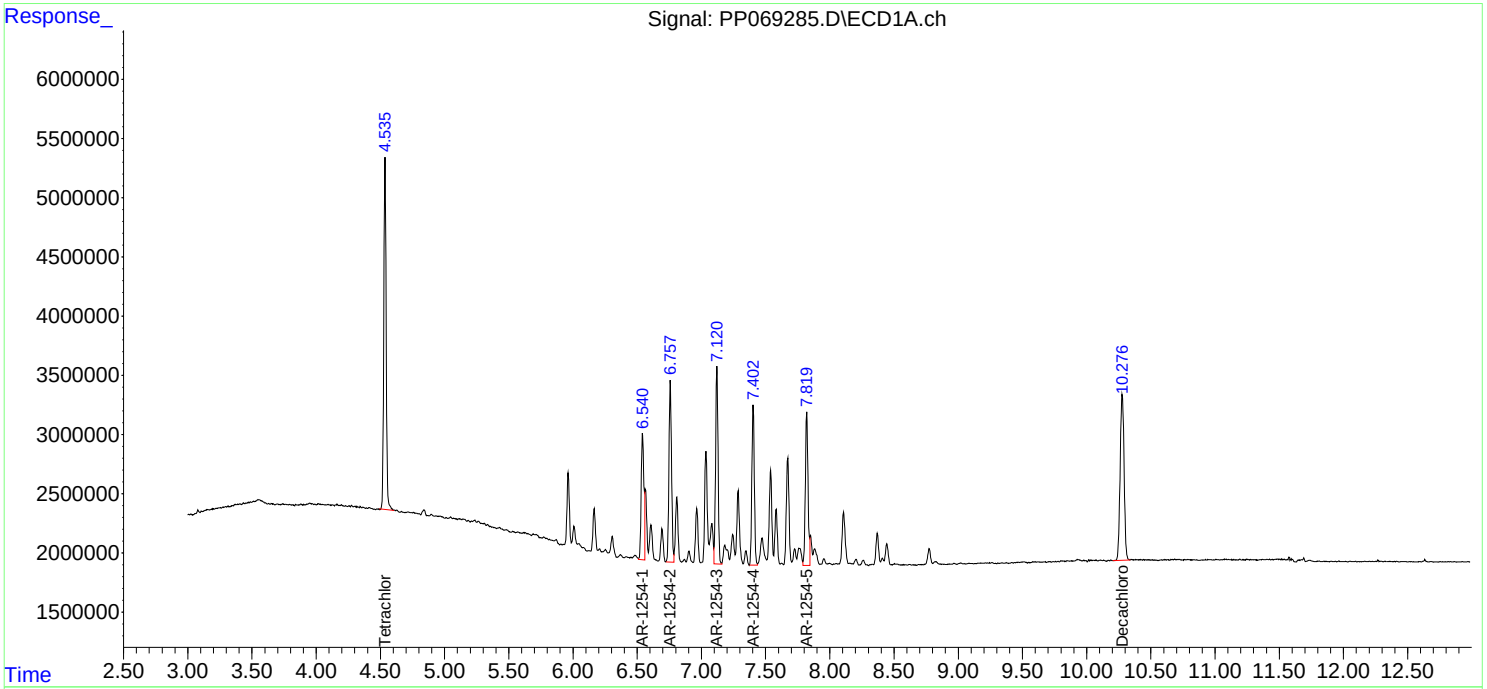
ICAL Form

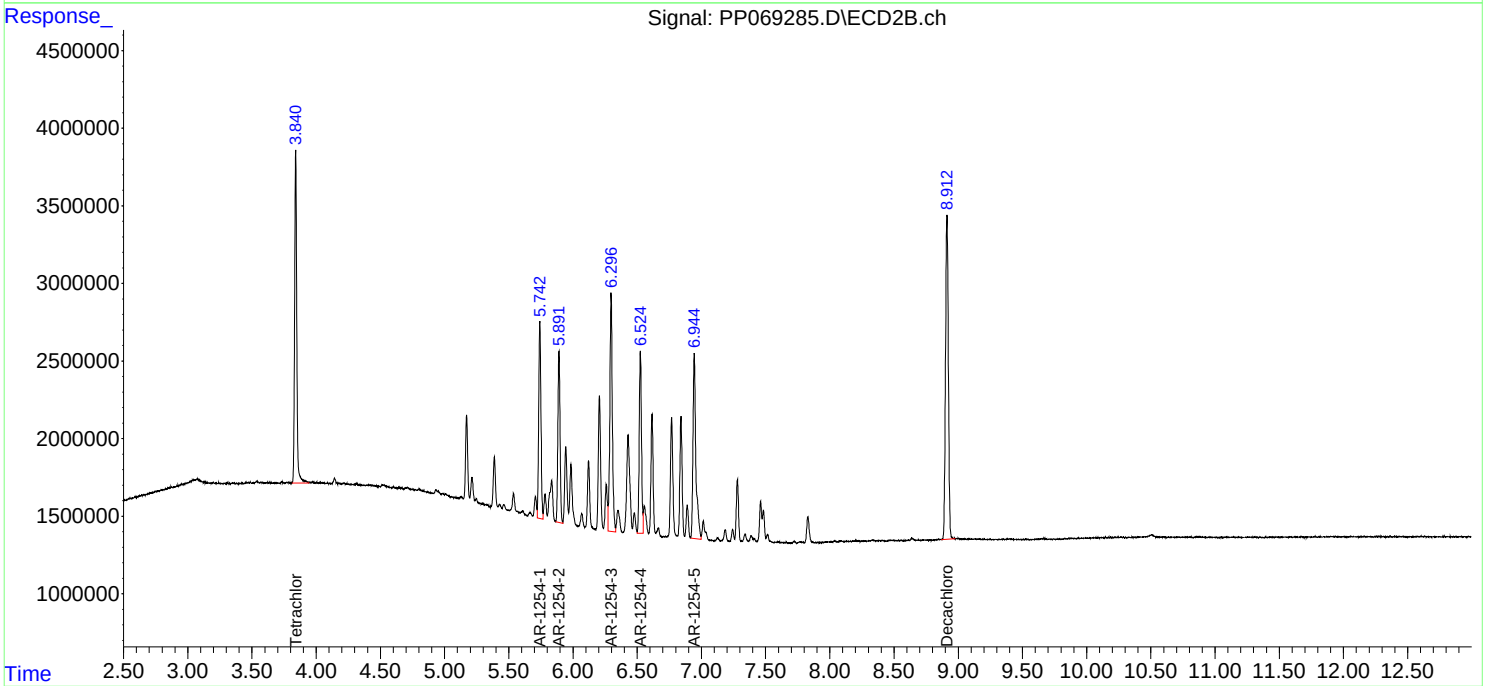
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:36
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

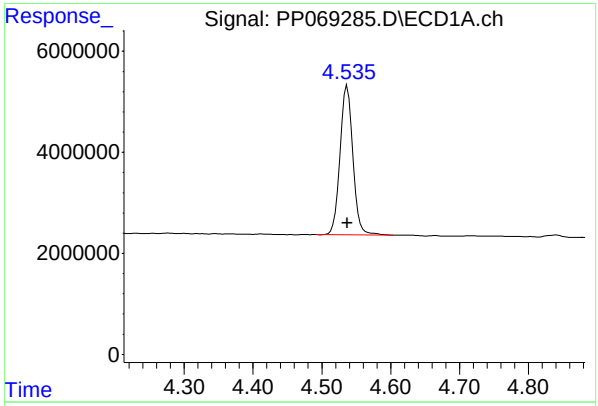
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:47:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



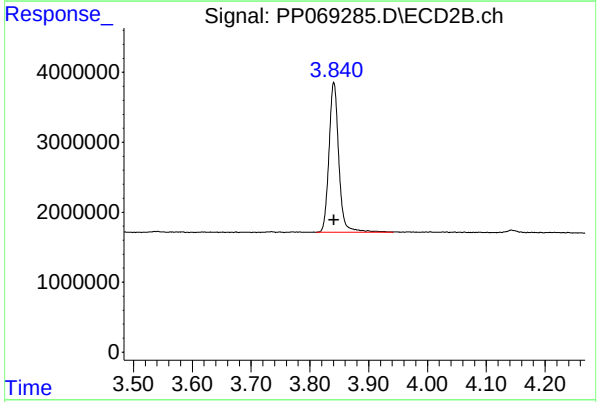




#1 Tetrachloro-m-xylene

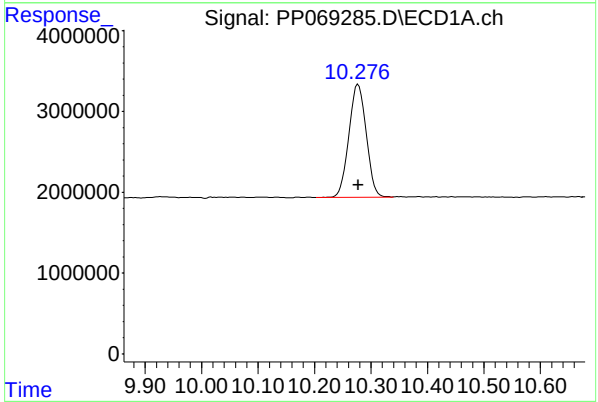
R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 38308296
Conc: 25.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



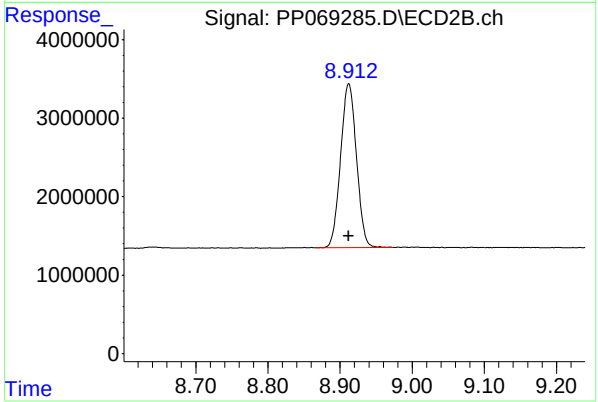
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 24933870
Conc: 25.91 ng/ml



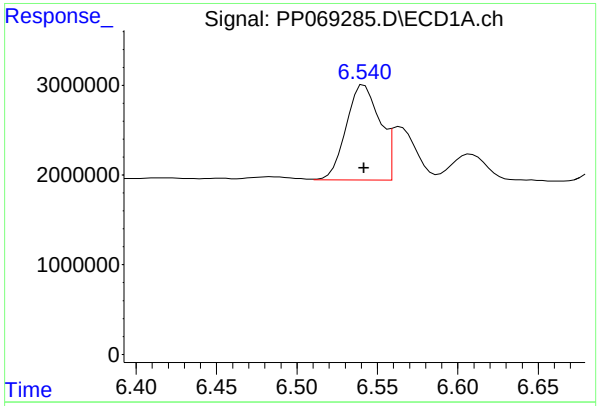
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 29728444
Conc: 26.60 ng/ml



#2 Decachlorobiphenyl

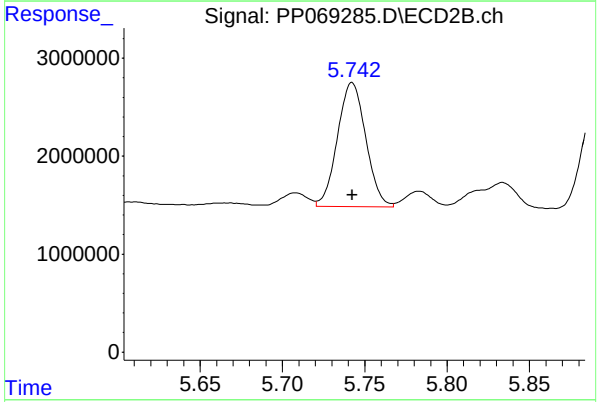
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 31922182
Conc: 28.00 ng/ml



#26 AR-1254-1

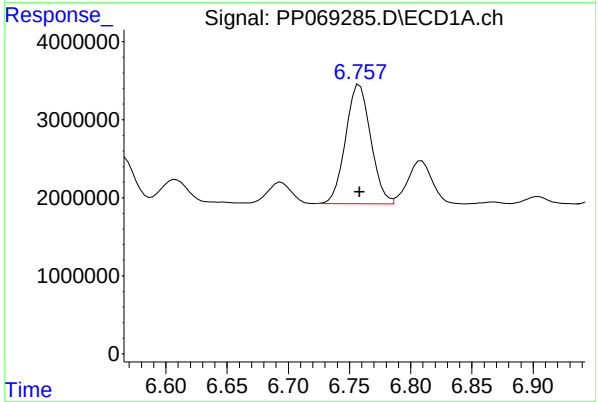
R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 15348917
Conc: 271.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



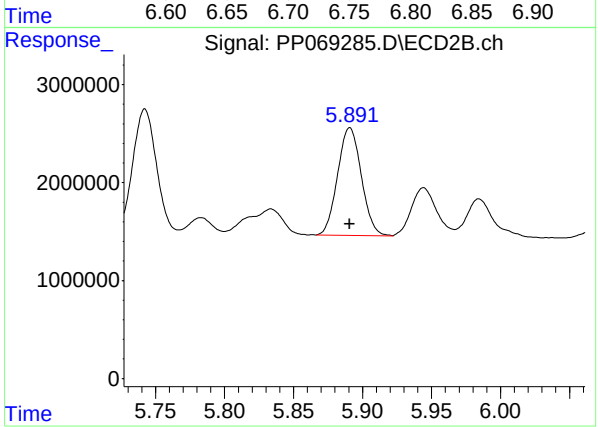
#26 AR-1254-1

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 15166762
Conc: 272.41 ng/ml



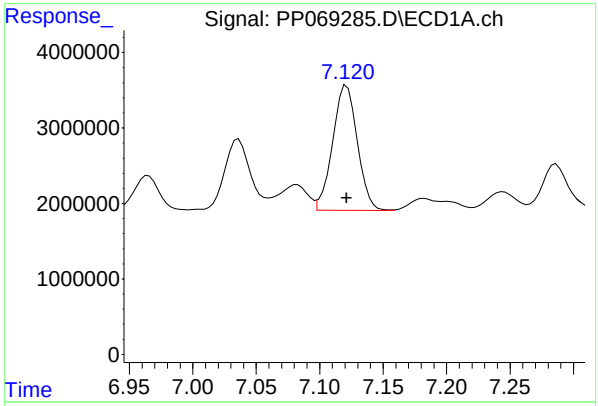
#27 AR-1254-2

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 21814148
Conc: 269.99 ng/ml



#27 AR-1254-2

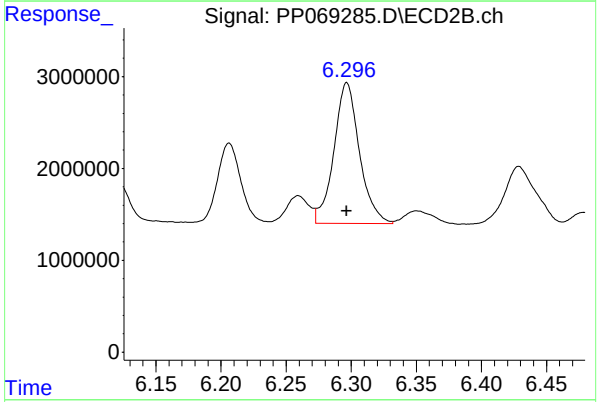
R.T.: 5.891 min
Delta R.T.: 0.000 min
Response: 13205390
Conc: 272.72 ng/ml



#28 AR-1254-3

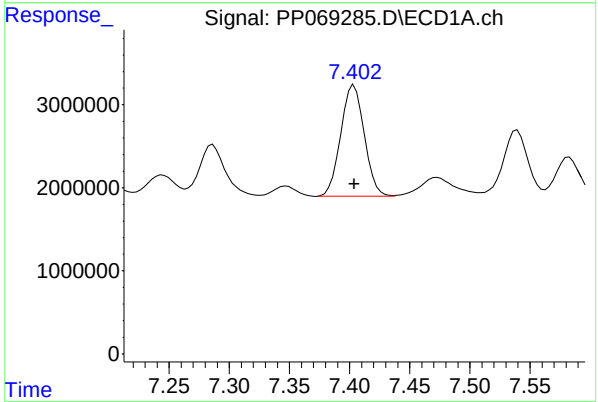
R.T.: 7.121 min
Delta R.T.: 0.000 min
Response: 22435517
Conc: 266.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



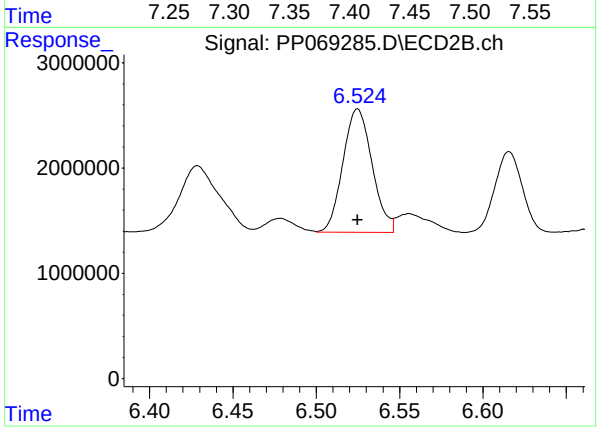
#28 AR-1254-3

R.T.: 6.297 min
Delta R.T.: 0.000 min
Response: 20943244
Conc: 271.44 ng/ml



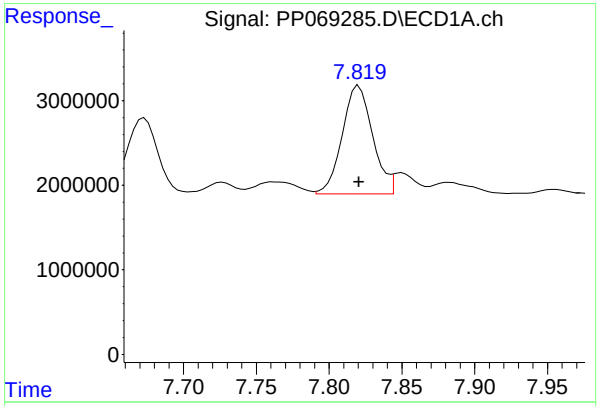
#29 AR-1254-4

R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 18279799
Conc: 266.22 ng/ml



#29 AR-1254-4

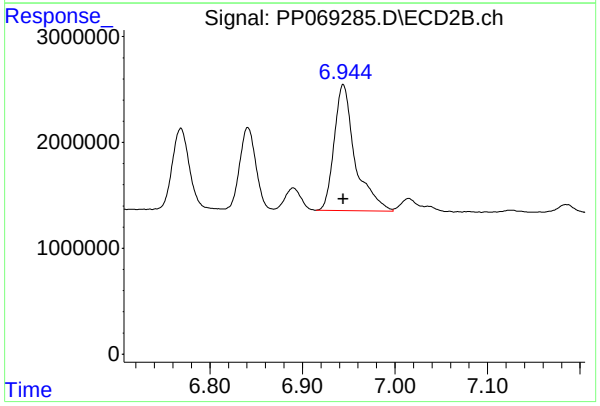
R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 14284124
Conc: 276.35 ng/ml



#30 AR-1254-5

R.T.: 7.820 min
Delta R.T.: 0.000 min
Response: 18690696
Conc: 270.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 18712616
Conc: 273.04 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:53
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:04:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:04:22 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...	4.537	3.841	6135092	4091392	4.293m	4.382
2)	SA Decachlor...	10.277	8.912	4792685	5691534	4.413	4.993
	Target Compounds						
26)	L6 AR-1254-1	6.542	5.742	3157414	2628819	55.481m	47.748
27)	L6 AR-1254-2	6.759	5.891	3901432	2408006	48.621	49.784
28)	L6 AR-1254-3	7.122	6.297	4219753	3542972	50.063	46.682
29)	L6 AR-1254-4	7.405	6.525	3314077	2474657	48.602	48.286
30)	L6 AR-1254-5	7.823	6.944	3170800	2933240	46.598	44.069

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:53
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

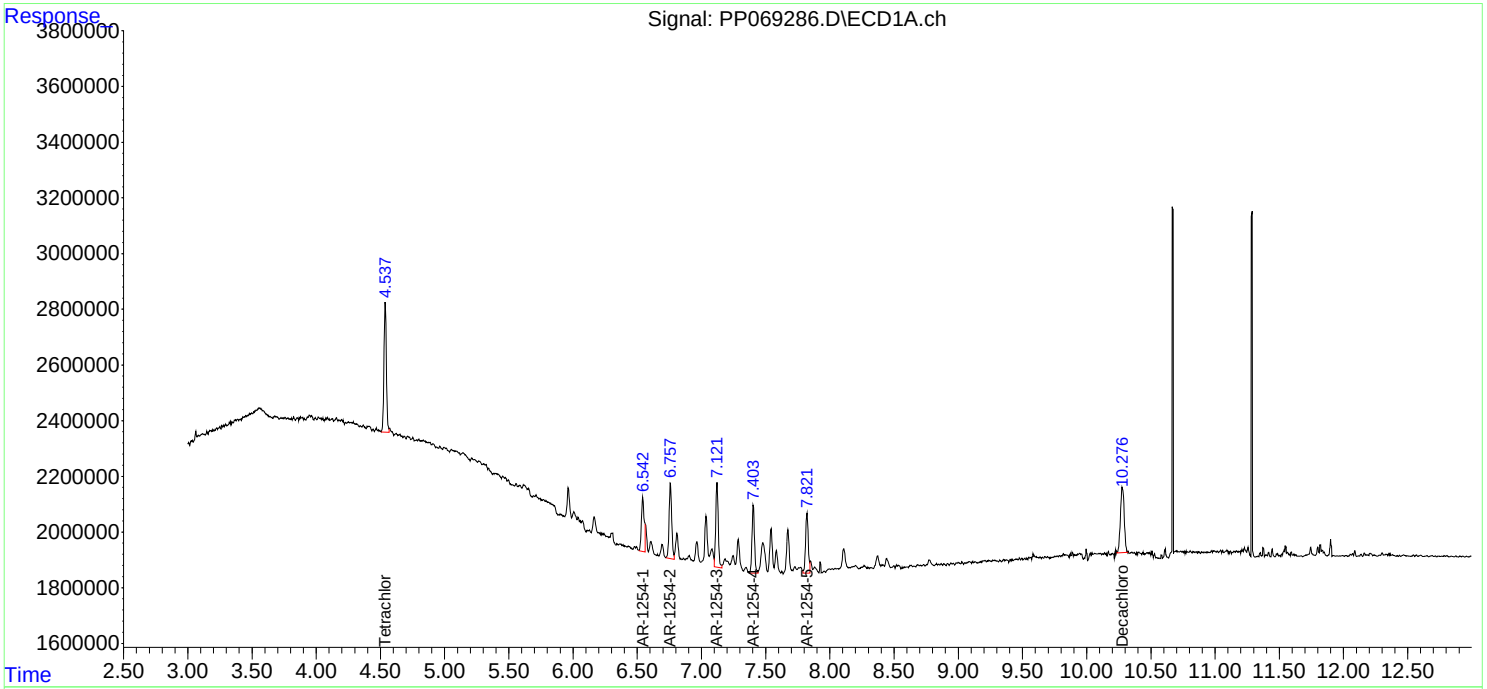
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

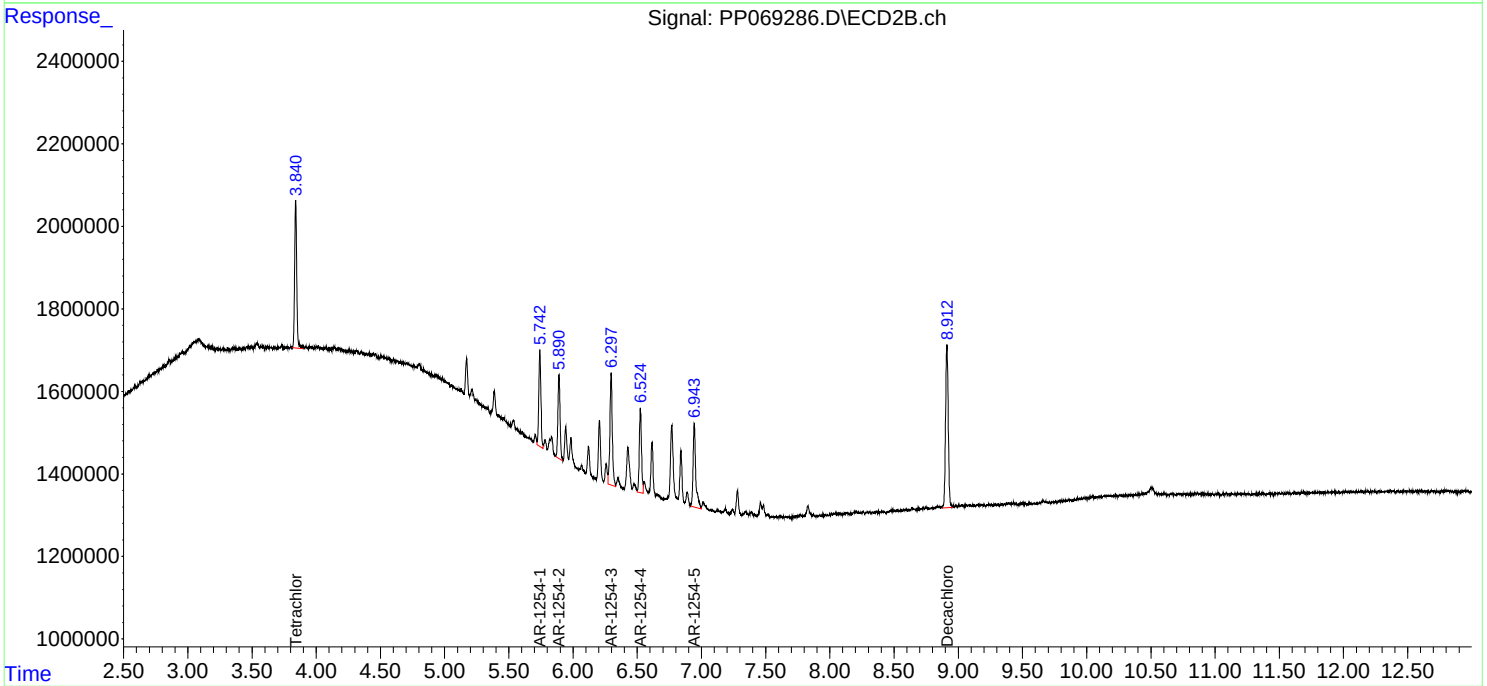
Manual Integrations APPROVED

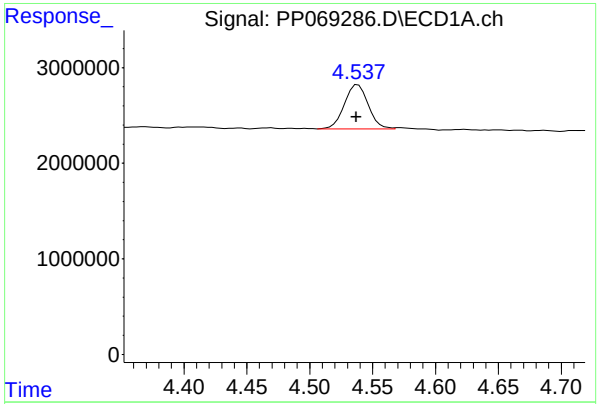
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:04:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:04:22 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







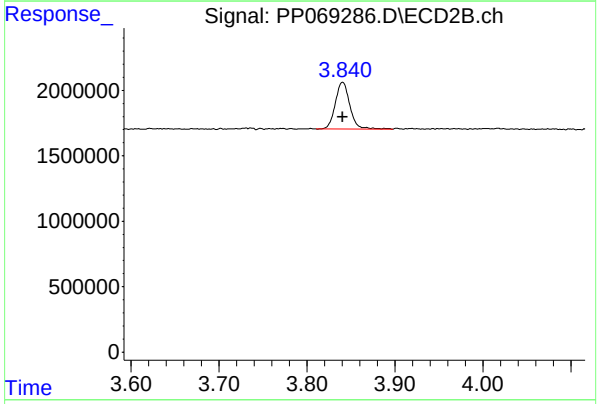
#1 Tetrachloro-m-xylene

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 6135092
Conc: 4.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

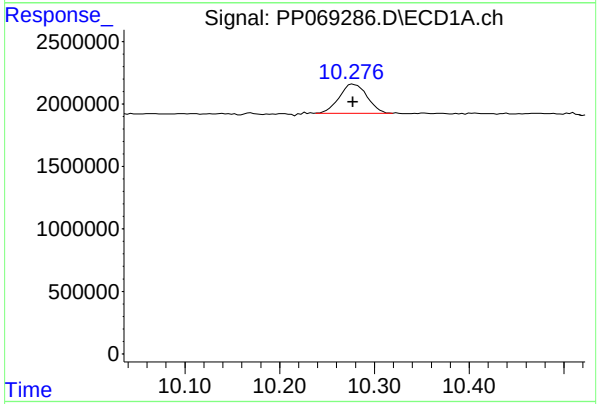
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



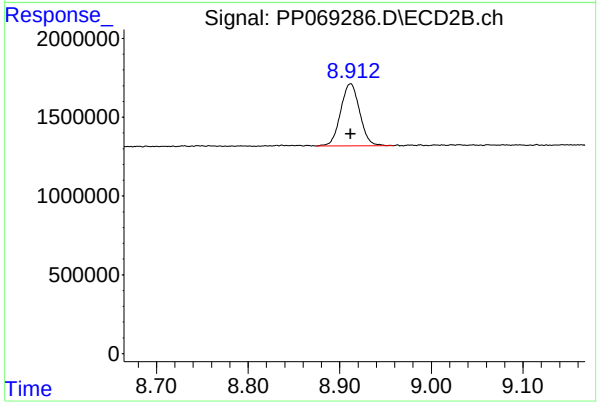
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 4091392
Conc: 4.38 ng/ml



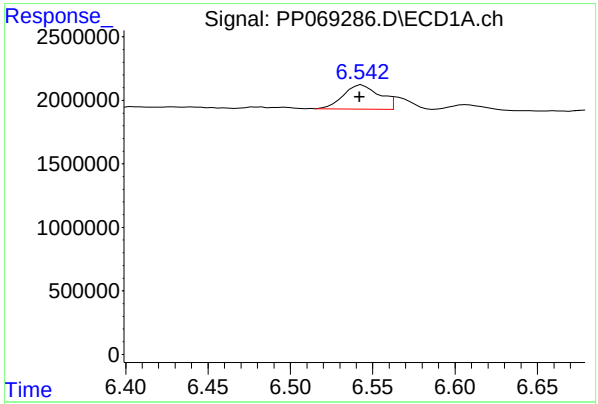
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 4792685
Conc: 4.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 5691534
Conc: 4.99 ng/ml



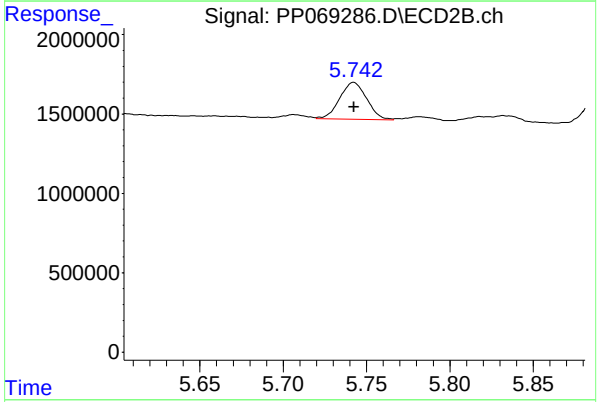
#26 AR-1254-1

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 3157414
Conc: 55.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

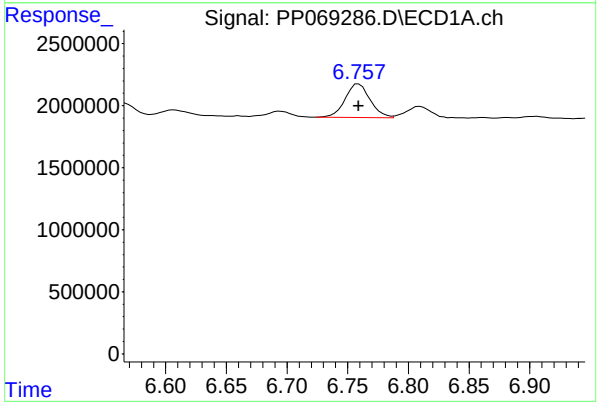
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



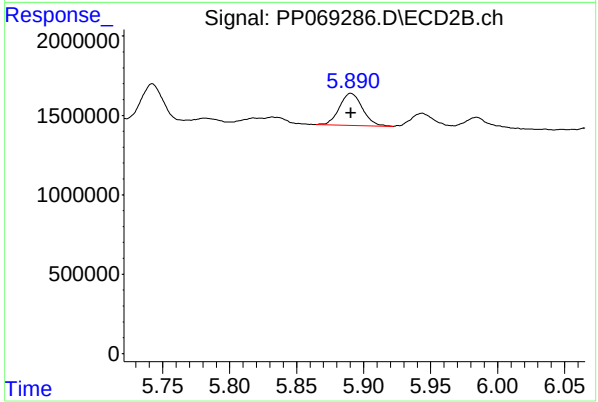
#26 AR-1254-1

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 2628819
Conc: 47.75 ng/ml



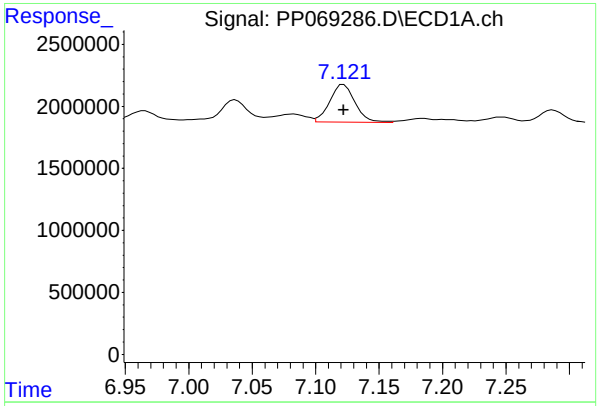
#27 AR-1254-2

R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 3901432
Conc: 48.62 ng/ml



#27 AR-1254-2

R.T.: 5.891 min
Delta R.T.: 0.000 min
Response: 2408006
Conc: 49.78 ng/ml



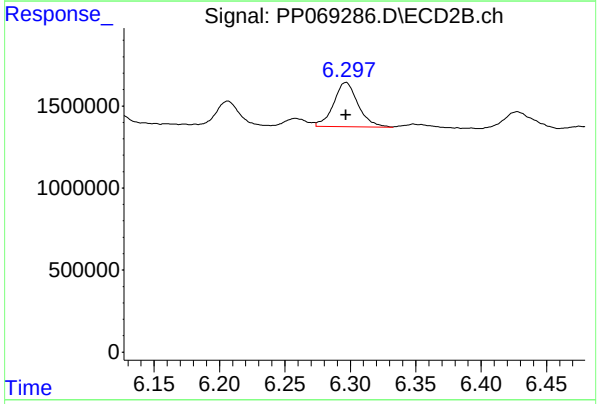
#28 AR-1254-3

R.T.: 7.122 min
Delta R.T.: 0.000 min
Response: 4219753
Conc: 50.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

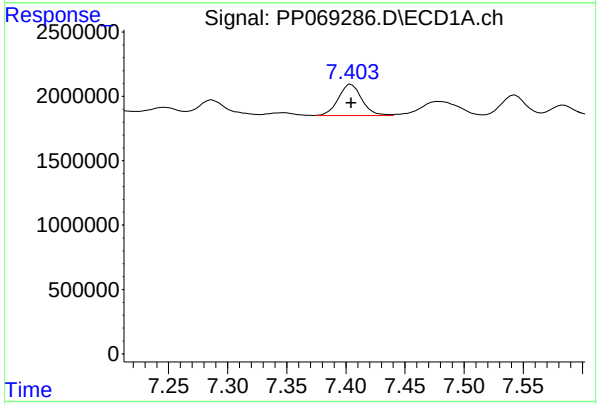
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



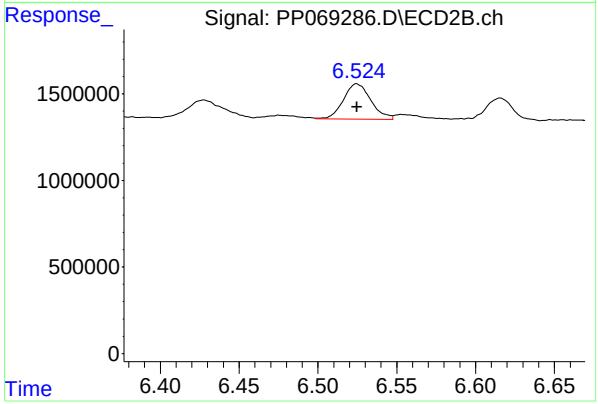
#28 AR-1254-3

R.T.: 6.297 min
Delta R.T.: 0.000 min
Response: 3542972
Conc: 46.68 ng/ml



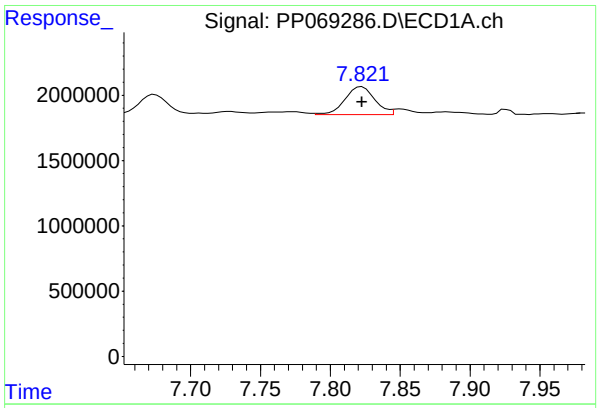
#29 AR-1254-4

R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 3314077
Conc: 48.60 ng/ml



#29 AR-1254-4

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 2474657
Conc: 48.29 ng/ml



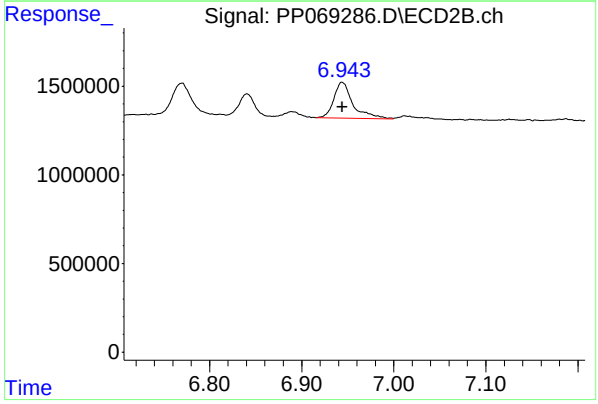
#30 AR-1254-5

R.T.: 7.823 min
Delta R.T.: 0.000 min
Response: 3170800
Conc: 46.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



#30 AR-1254-5

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 2933240
Conc: 44.07 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:09
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:23:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:21:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.537	3.842	70866290	45053246	50.000	50.000
2)	SA Decachlor...	10.278	8.912	54146536	52952692	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.124	6.983	39509132	35506595	500.000	500.000
37)	L8 AR-1262-2	8.446	7.243	76461630	30489732	500.000	500.000
38)	L8 AR-1262-3	8.766	7.768	53139905	26149600	500.000	500.000
39)	L8 AR-1262-4	8.852	7.832	40896466	46218246	500.000	500.000
40)	L8 AR-1262-5	9.511	8.336	28305097	23896110	500.000	500.000

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

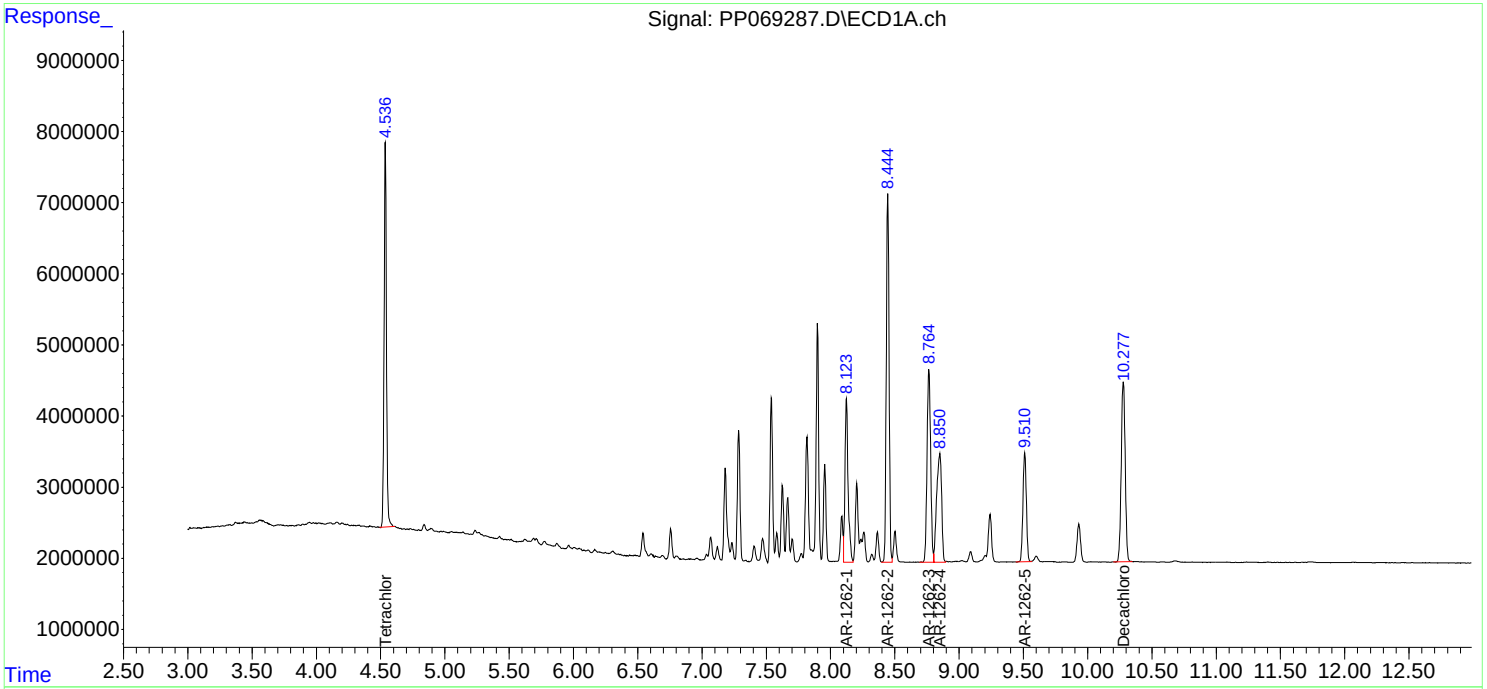
ICAL Form

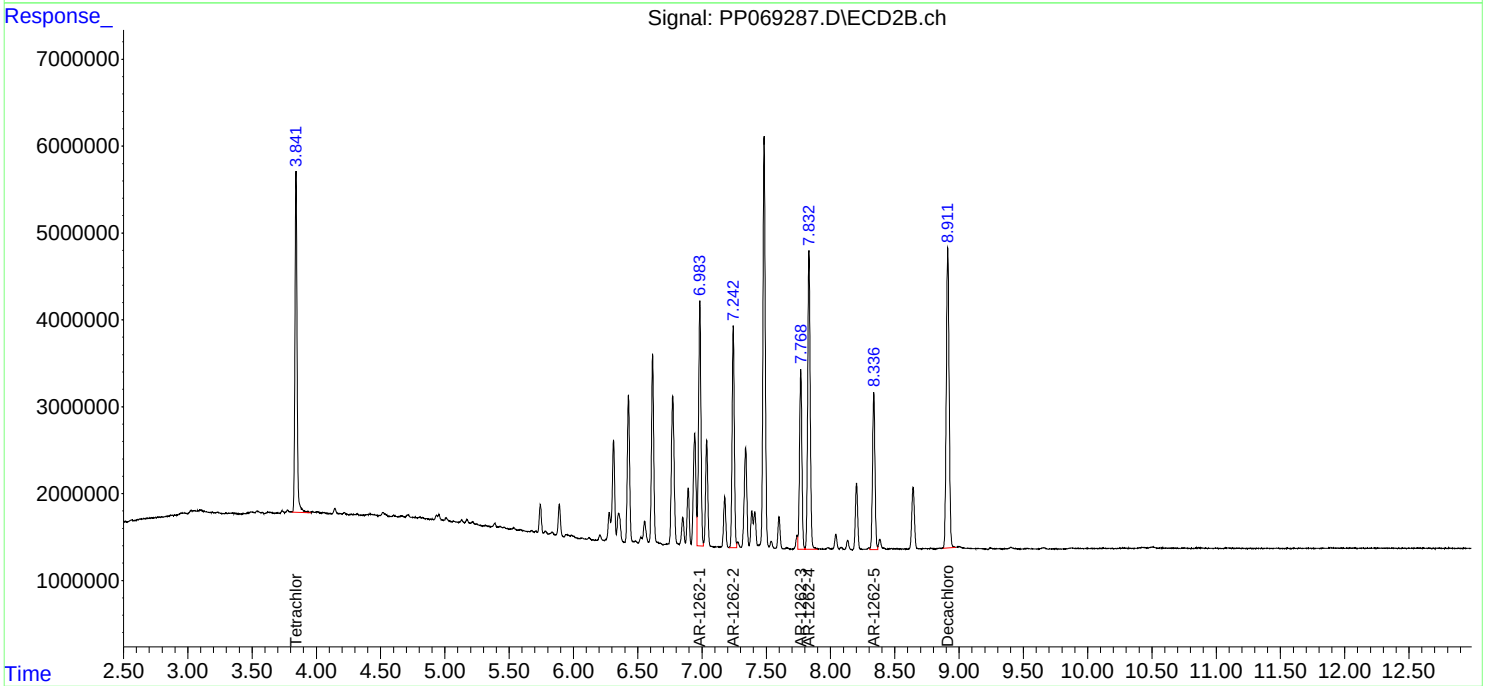
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:09
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

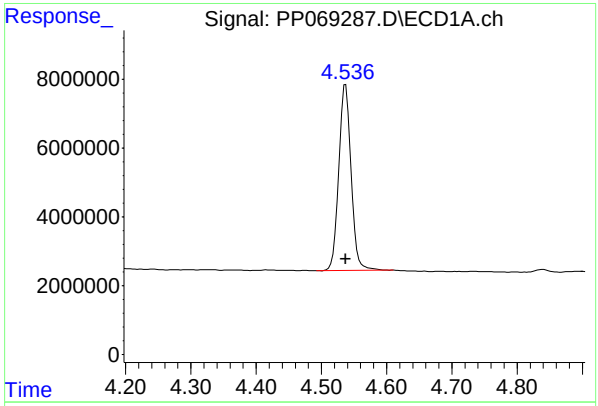
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:23:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:21:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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



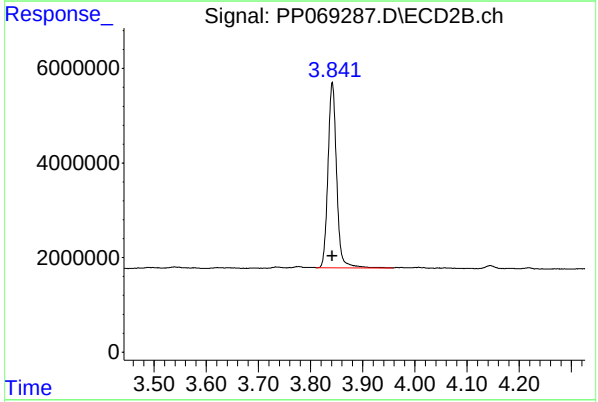




#1 Tetrachloro-m-xylene

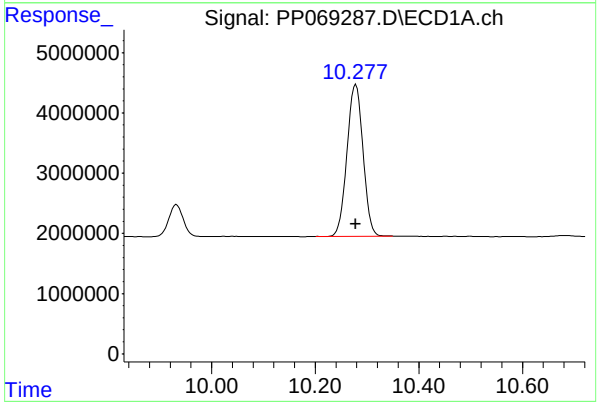
R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 70866290
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



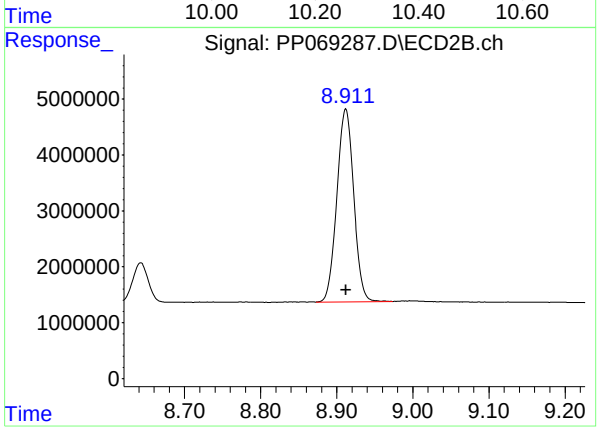
#1 Tetrachloro-m-xylene

R.T.: 3.842 min
Delta R.T.: 0.000 min
Response: 45053246
Conc: 50.00 ng/ml



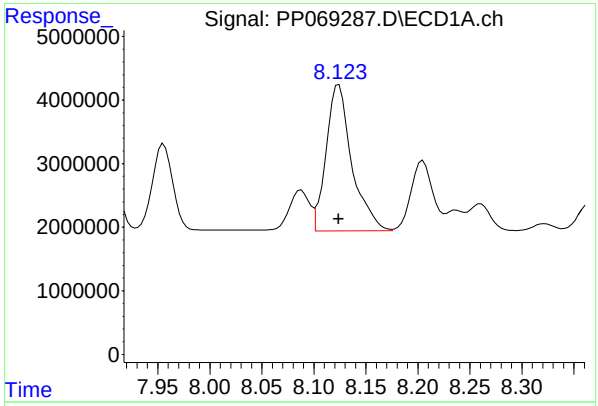
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 54146536
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

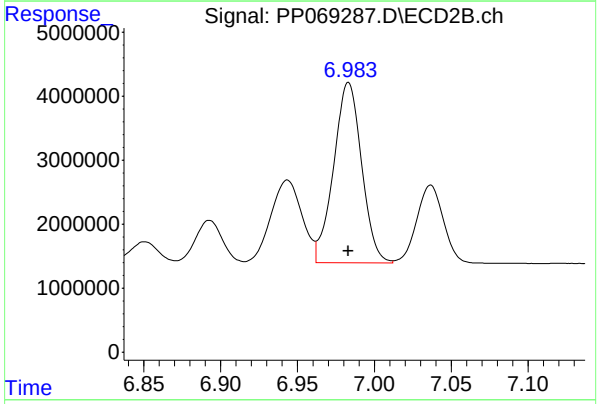
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 52952692
Conc: 50.00 ng/ml



#36 AR-1262-1

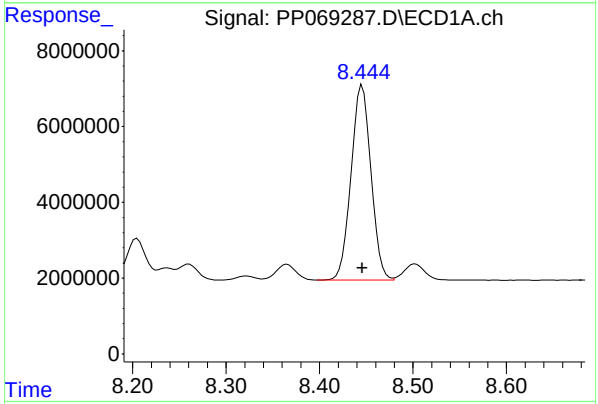
R.T.: 8.124 min
Delta R.T.: 0.000 min
Response: 39509132
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



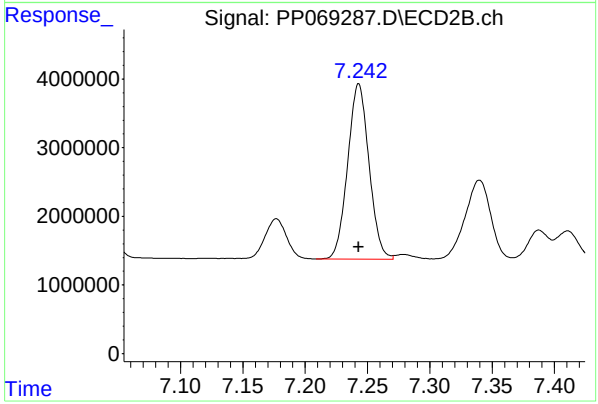
#36 AR-1262-1

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 35506595
Conc: 500.00 ng/ml



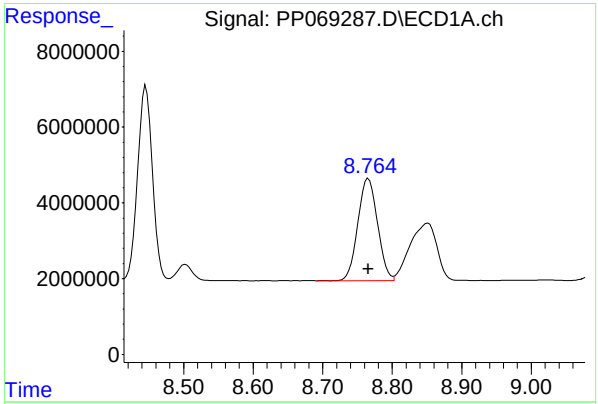
#37 AR-1262-2

R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 76461630
Conc: 500.00 ng/ml



#37 AR-1262-2

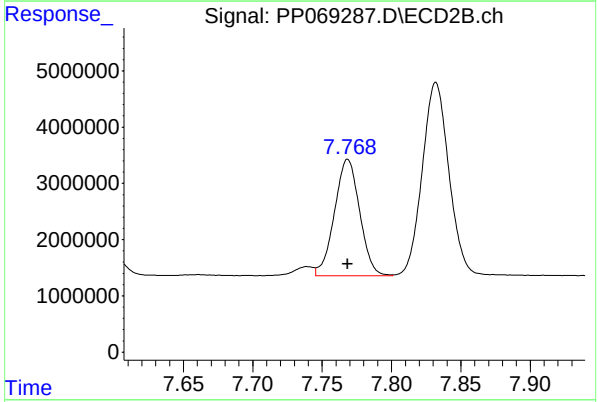
R.T.: 7.243 min
Delta R.T.: 0.000 min
Response: 30489732
Conc: 500.00 ng/ml



#38 AR-1262-3

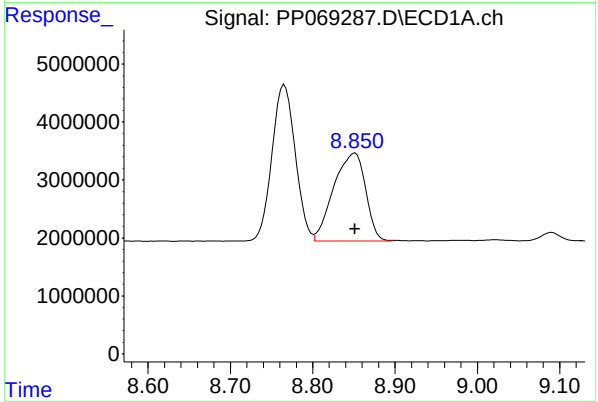
R.T.: 8.766 min
Delta R.T.: 0.000 min
Response: 53139905
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



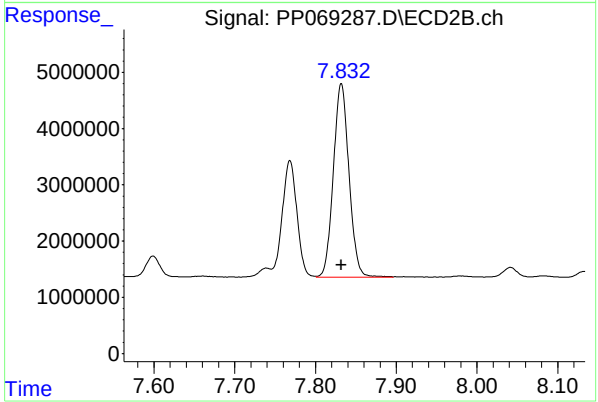
#38 AR-1262-3

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 26149600
Conc: 500.00 ng/ml



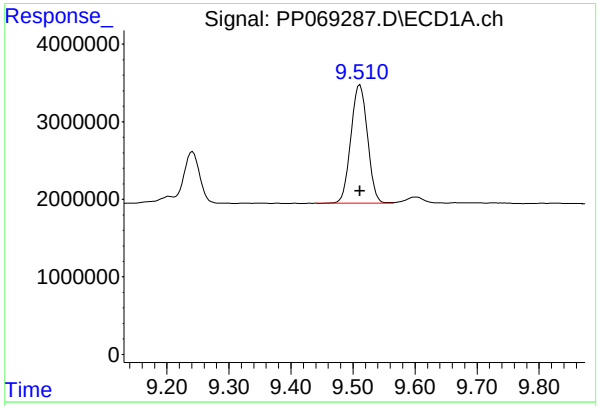
#39 AR-1262-4

R.T.: 8.852 min
Delta R.T.: 0.000 min
Response: 40896466
Conc: 500.00 ng/ml



#39 AR-1262-4

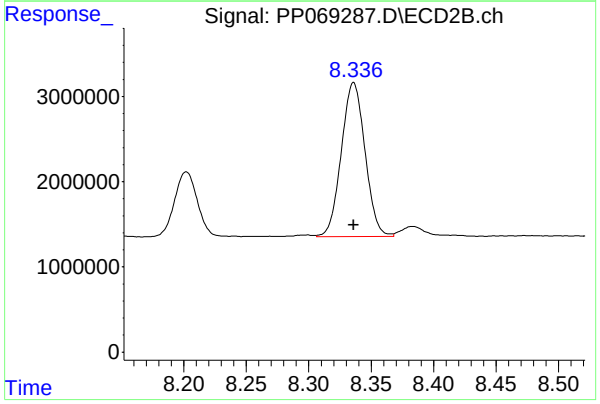
R.T.: 7.832 min
Delta R.T.: 0.000 min
Response: 46218246
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.511 min
Delta R.T.: 0.000 min
Response: 28305097
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 23896110
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:25
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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...	4.537	3.842	141.7E6	92128954	95.944	96.727
2)	SA Decachlor...	10.278	8.913	175.4E6	173.2E6	95.468	94.768
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.769	176.6E6	145.3E6	956.149	947.242
42)	L9 AR-1268-2	8.856	7.834	157.0E6	134.2E6	955.347	948.494
43)	L9 AR-1268-3	9.091	8.042	134.4E6	115.2E6	956.115	951.002
44)	L9 AR-1268-4	9.511	8.337	59595033	52741395	959.028	945.775
45)	L9 AR-1268-5	9.932	8.643	388.9E6	368.8E6	968.144	969.912

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

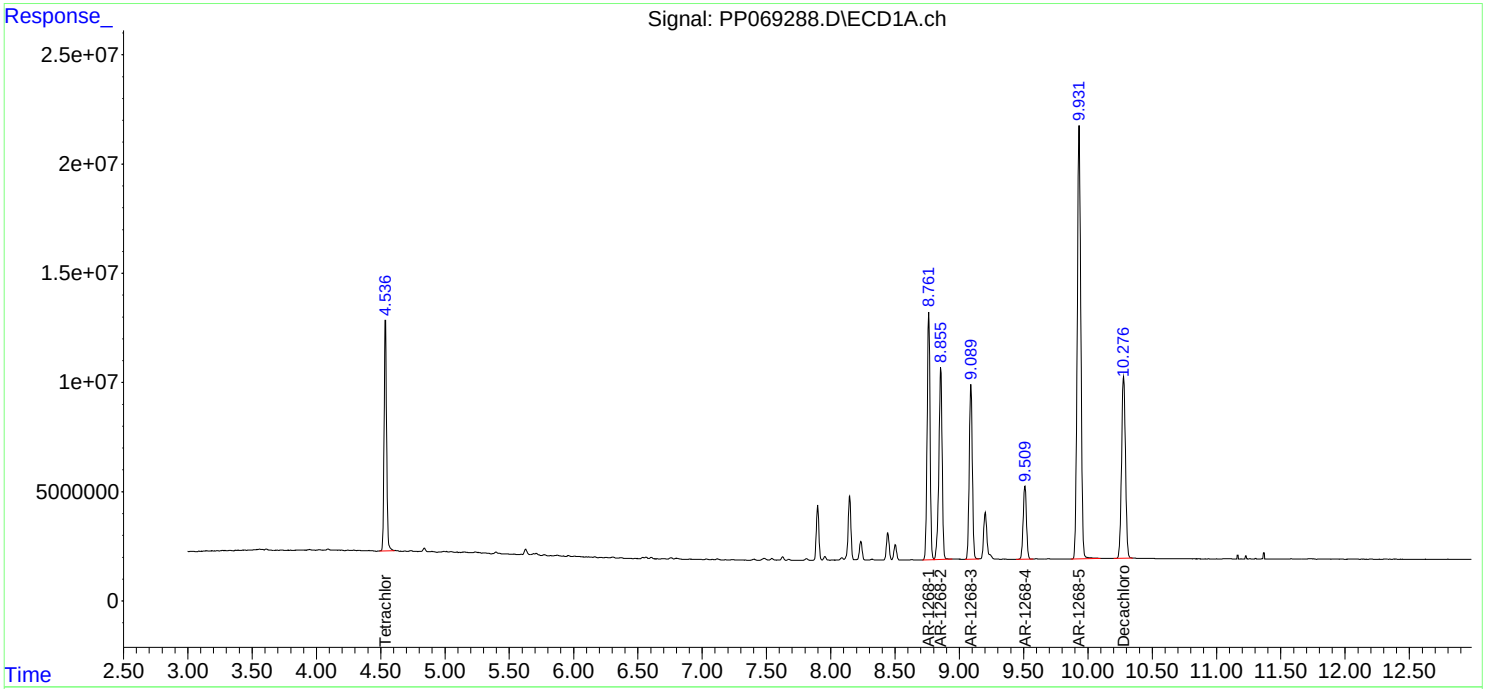
ICAL Form

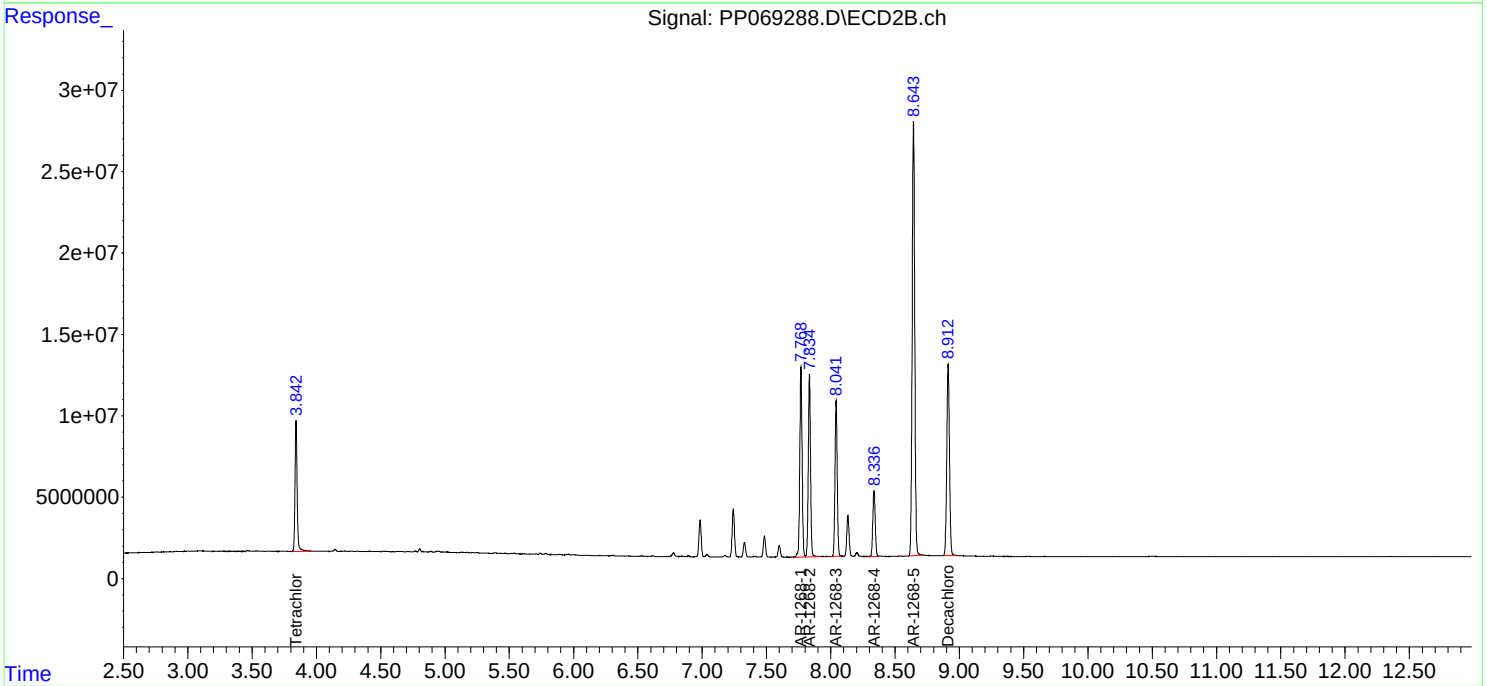
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:25
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

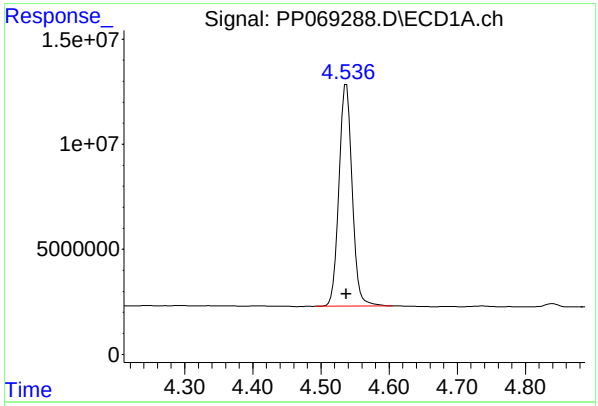
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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



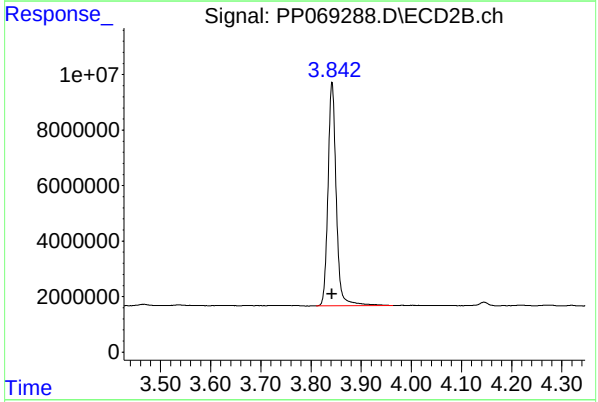




#1 Tetrachloro-m-xylene

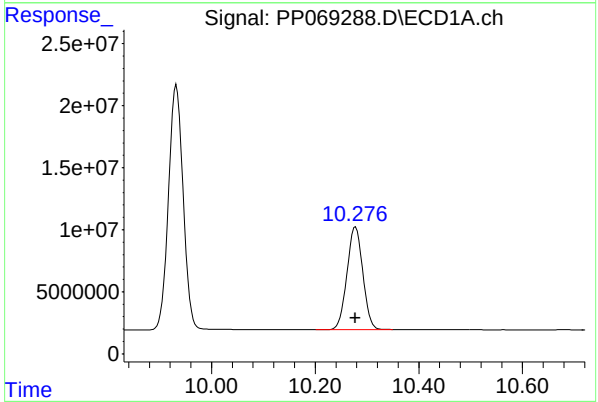
R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 141740509
Conc: 95.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



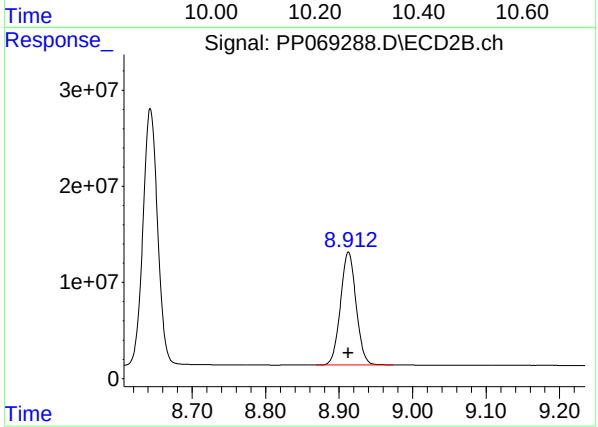
#1 Tetrachloro-m-xylene

R.T.: 3.842 min
Delta R.T.: 0.000 min
Response: 92128954
Conc: 96.73 ng/ml



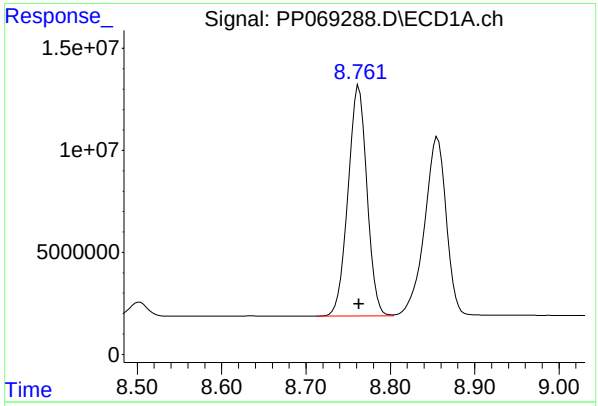
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 175428294
Conc: 95.47 ng/ml



#2 Decachlorobiphenyl

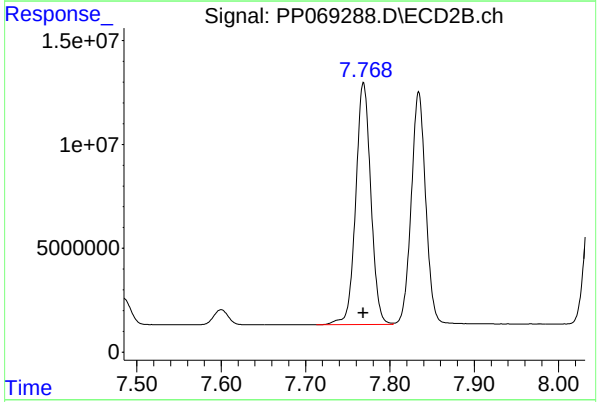
R.T.: 8.913 min
Delta R.T.: 0.000 min
Response: 173202373
Conc: 94.77 ng/ml



#41 AR-1268-1

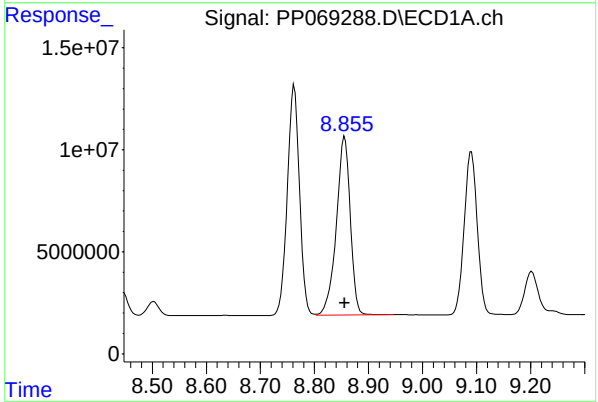
R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 176588317
Conc: 956.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



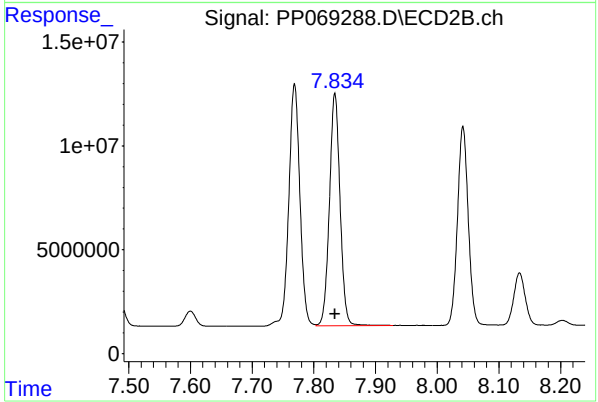
#41 AR-1268-1

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 145329954
Conc: 947.24 ng/ml



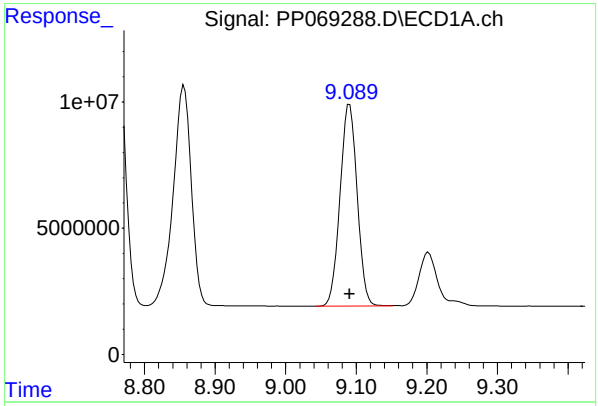
#42 AR-1268-2

R.T.: 8.856 min
Delta R.T.: 0.000 min
Response: 157019138
Conc: 955.35 ng/ml



#42 AR-1268-2

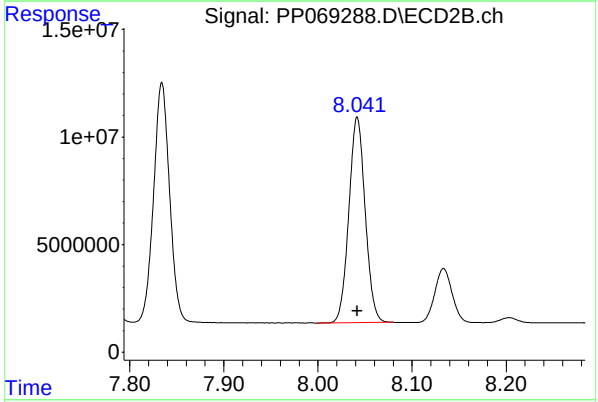
R.T.: 7.834 min
Delta R.T.: 0.000 min
Response: 134157524
Conc: 948.49 ng/ml



#43 AR-1268-3

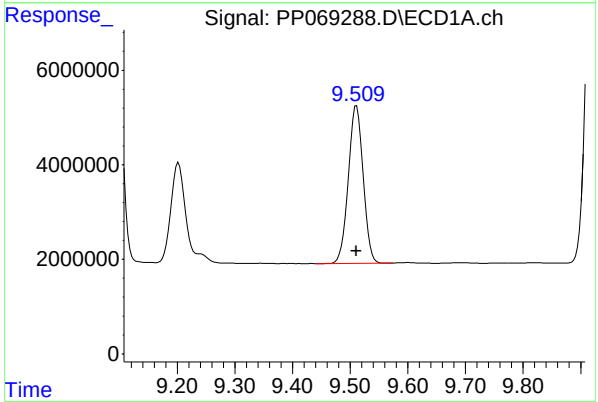
R.T.: 9.091 min
Delta R.T.: 0.000 min
Response: 134437818
Conc: 956.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



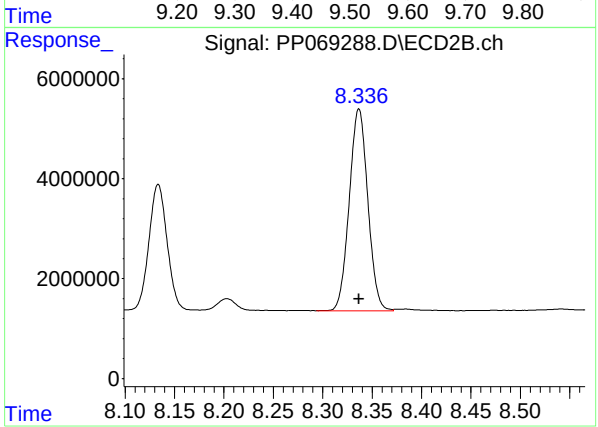
#43 AR-1268-3

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 115152122
Conc: 951.00 ng/ml



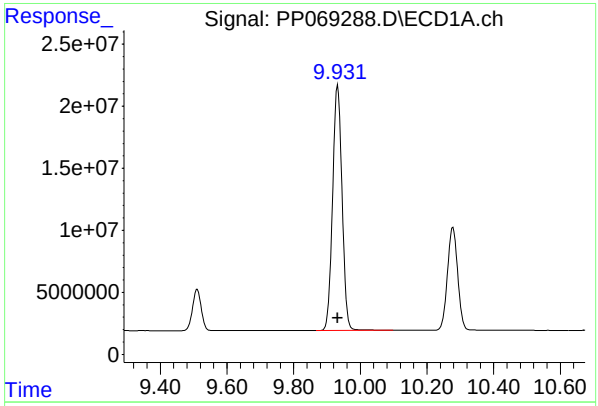
#44 AR-1268-4

R.T.: 9.511 min
Delta R.T.: 0.000 min
Response: 59595033
Conc: 959.03 ng/ml



#44 AR-1268-4

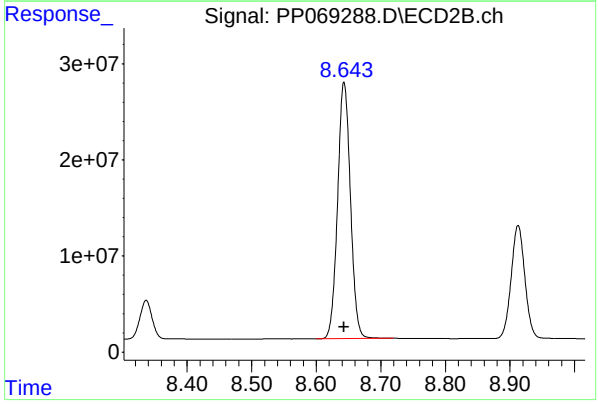
R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 52741395
Conc: 945.77 ng/ml



#45 AR-1268-5

R.T.: 9.932 min
Delta R.T.: 0.000 mi
Response: 388908034
Conc: 968.14 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.643 min
Delta R.T.: 0.000 min
Response: 368786226
Conc: 969.91 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:42
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:19:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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...	4.539	3.842	111.1E6	71903318	75.128	75.901
2)	SA Decachlor...	10.281	8.913	137.9E6	136.8E6	75.046	74.883
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.769	138.6E6	112.6E6	750.252	738.987
42)	L9 AR-1268-2	8.858	7.833	123.3E6	104.3E6	750.168	741.423
43)	L9 AR-1268-3	9.093	8.042	105.3E6	88413325	749.171	736.666
44)	L9 AR-1268-4	9.513	8.337	46710125	41418932	751.118	745.142
45)	L9 AR-1268-5	9.935	8.643	302.5E6	288.2E6	751.971	755.369

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

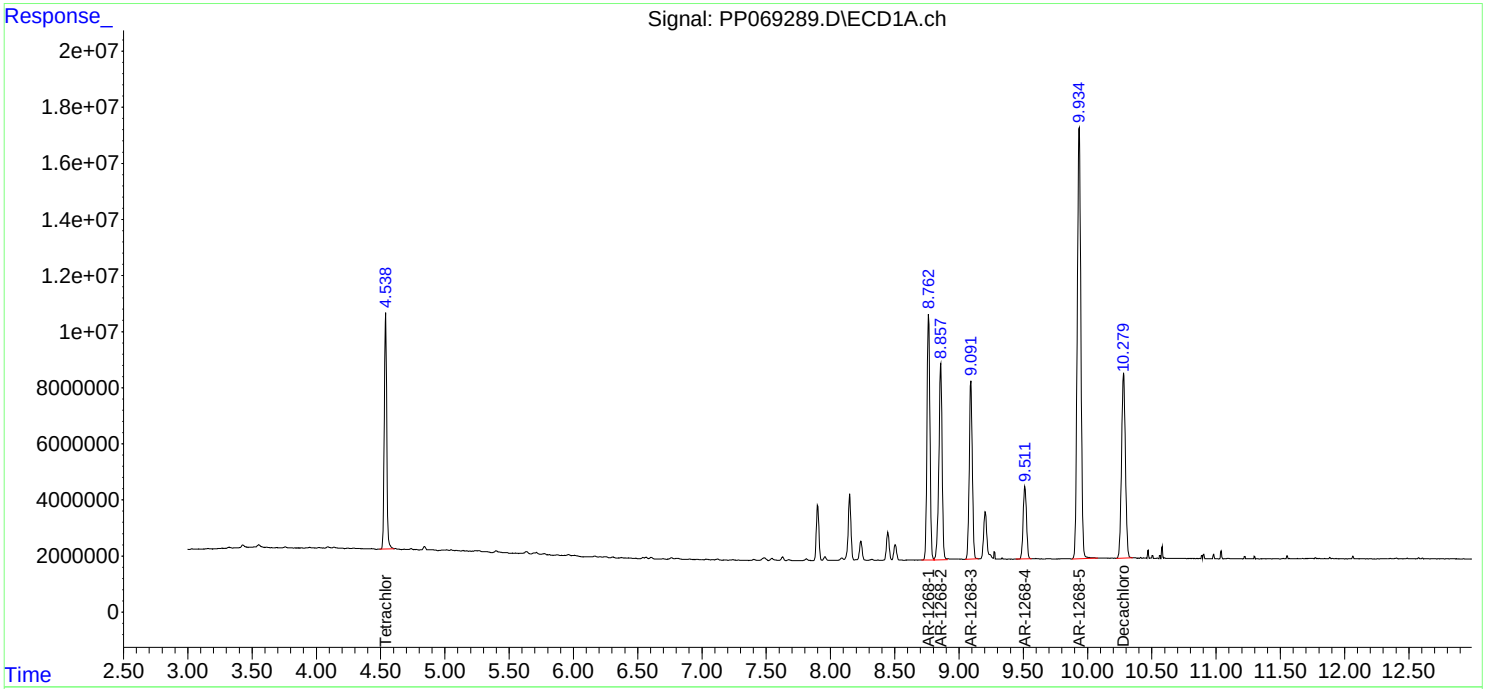
ICAL Form

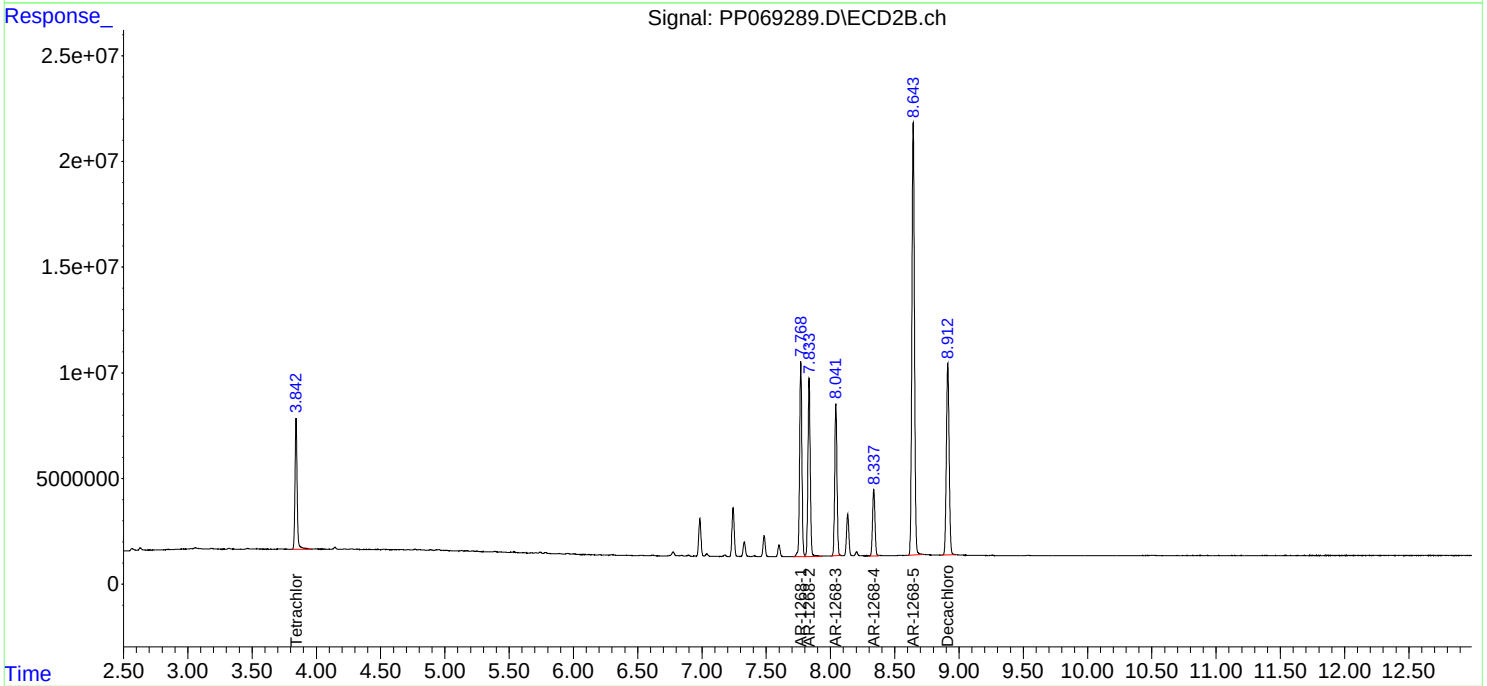
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:42
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

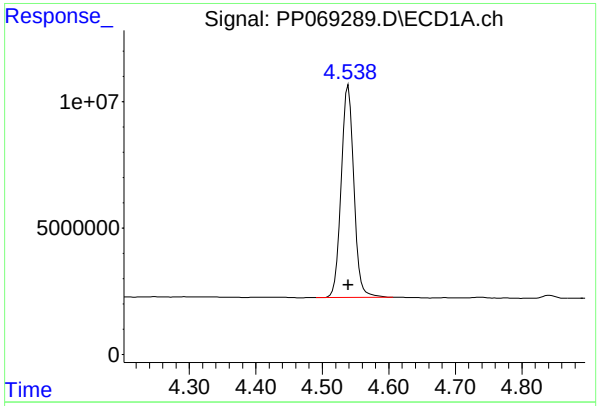
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:19:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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



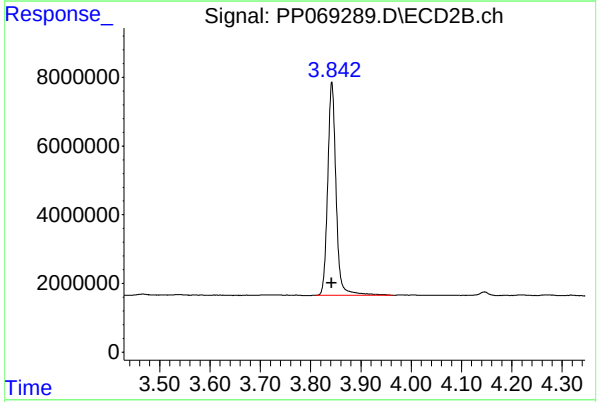




#1 Tetrachloro-m-xylene

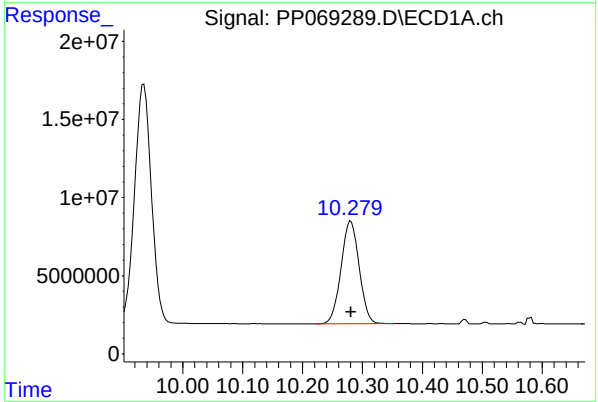
R.T.: 4.539 min
Delta R.T.: 0.000 min
Response: 111083181
Conc: 75.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



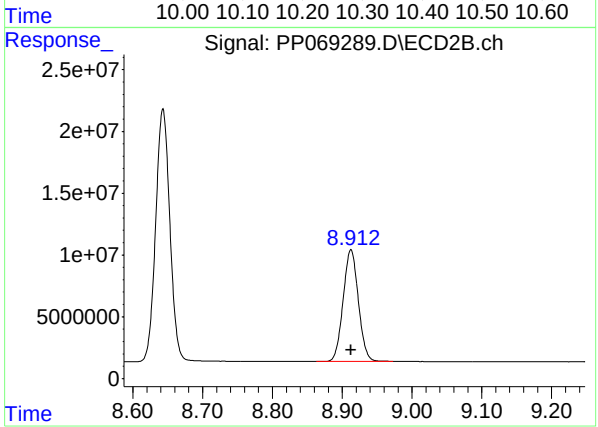
#1 Tetrachloro-m-xylene

R.T.: 3.842 min
Delta R.T.: 0.000 min
Response: 71903318
Conc: 75.90 ng/ml



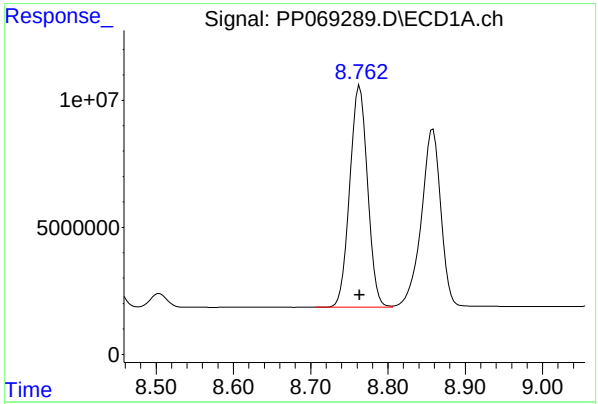
#2 Decachlorobiphenyl

R.T.: 10.281 min
Delta R.T.: 0.000 min
Response: 137945434
Conc: 75.05 ng/ml



#2 Decachlorobiphenyl

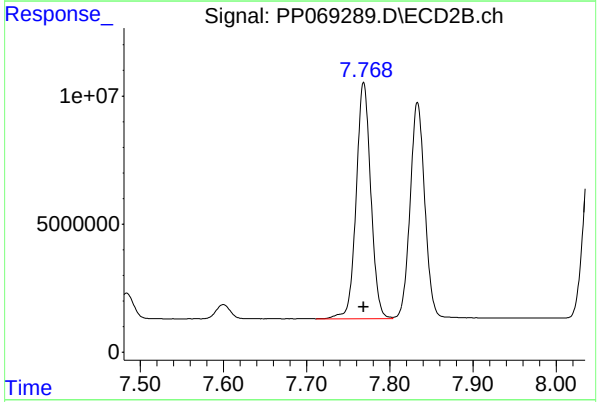
R.T.: 8.913 min
Delta R.T.: 0.000 min
Response: 136751385
Conc: 74.88 ng/ml



#41 AR-1268-1

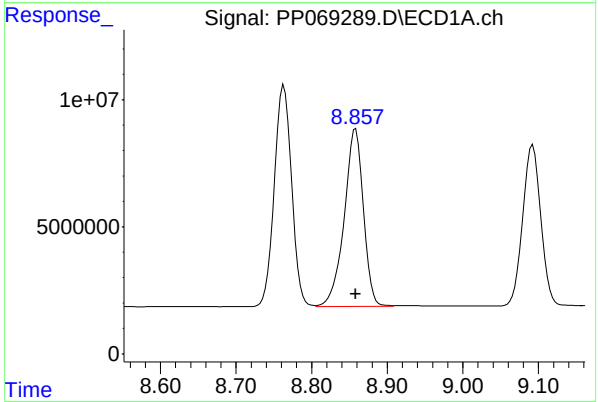
R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 138585052
Conc: 750.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



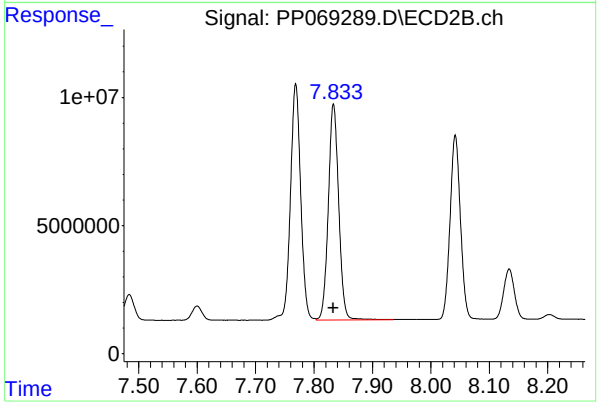
#41 AR-1268-1

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 112552220
Conc: 738.99 ng/ml



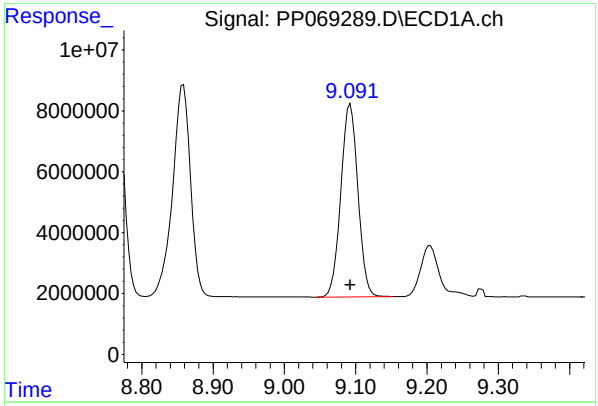
#42 AR-1268-2

R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 123310178
Conc: 750.17 ng/ml



#42 AR-1268-2

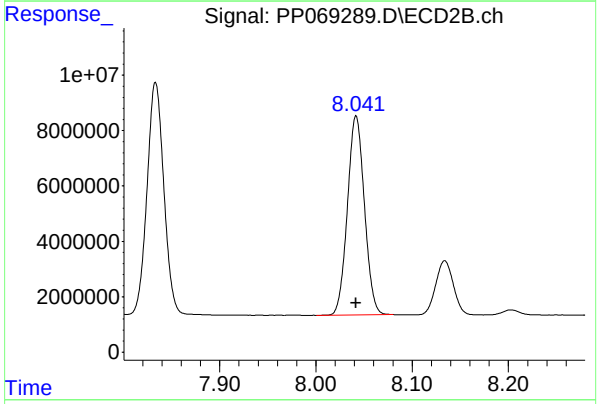
R.T.: 7.833 min
Delta R.T.: 0.000 min
Response: 104272620
Conc: 741.42 ng/ml



#43 AR-1268-3

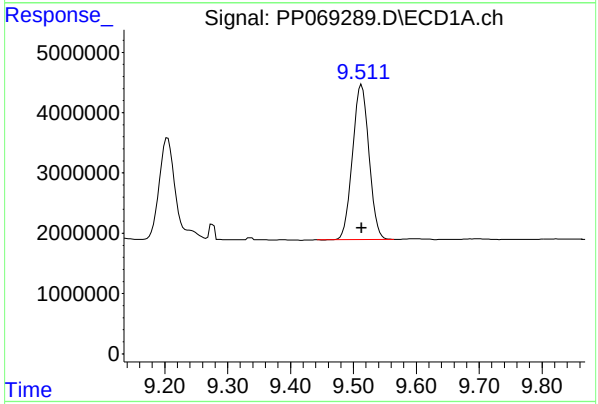
R.T.: 9.093 min
Delta R.T.: 0.000 min
Response: 105281503
Conc: 749.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



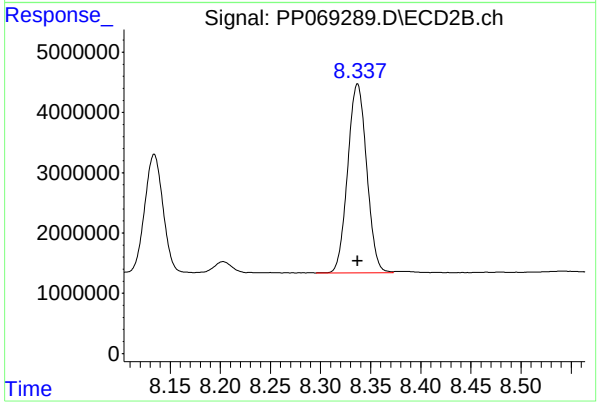
#43 AR-1268-3

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 88413325
Conc: 736.67 ng/ml



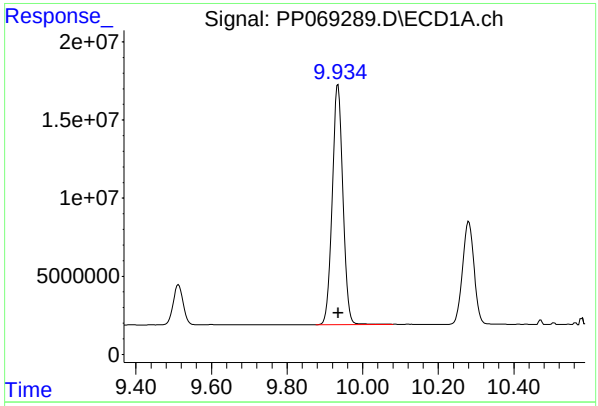
#44 AR-1268-4

R.T.: 9.513 min
Delta R.T.: 0.000 min
Response: 46710125
Conc: 751.12 ng/ml



#44 AR-1268-4

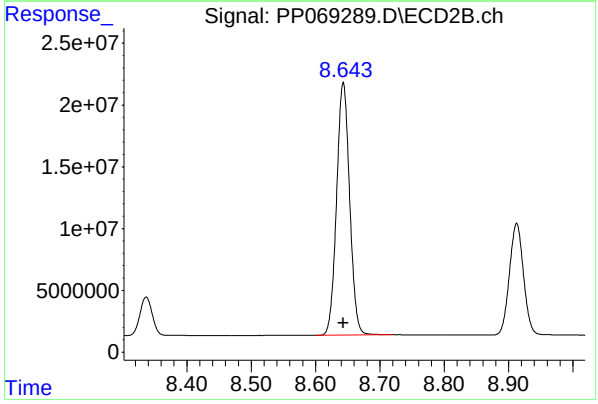
R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 41418932
Conc: 745.14 ng/ml



#45 AR-1268-5

R.T.: 9.935 min
Delta R.T.: 0.000 min
Response: 302467764
Conc: 751.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.643 min
Delta R.T.: 0.000 min
Response: 288242952
Conc: 755.37 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:58
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:11:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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...	4.536	3.841	76862426	49181825	50.000	50.000
2)	SA Decachlor...	10.279	8.911	96042801	96162855	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.761	7.768	96392837	80759270	500.000	500.000
42)	L9 AR-1268-2	8.855	7.833	85848712	74363836	500.000	500.000
43)	L9 AR-1268-3	9.090	8.040	73389481	63508948	500.000	500.000
44)	L9 AR-1268-4	9.510	8.335	32343556	29394578	500.000	500.000
45)	L9 AR-1268-5	9.932	8.641	207.3E6	195.8E6	500.000	500.000

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

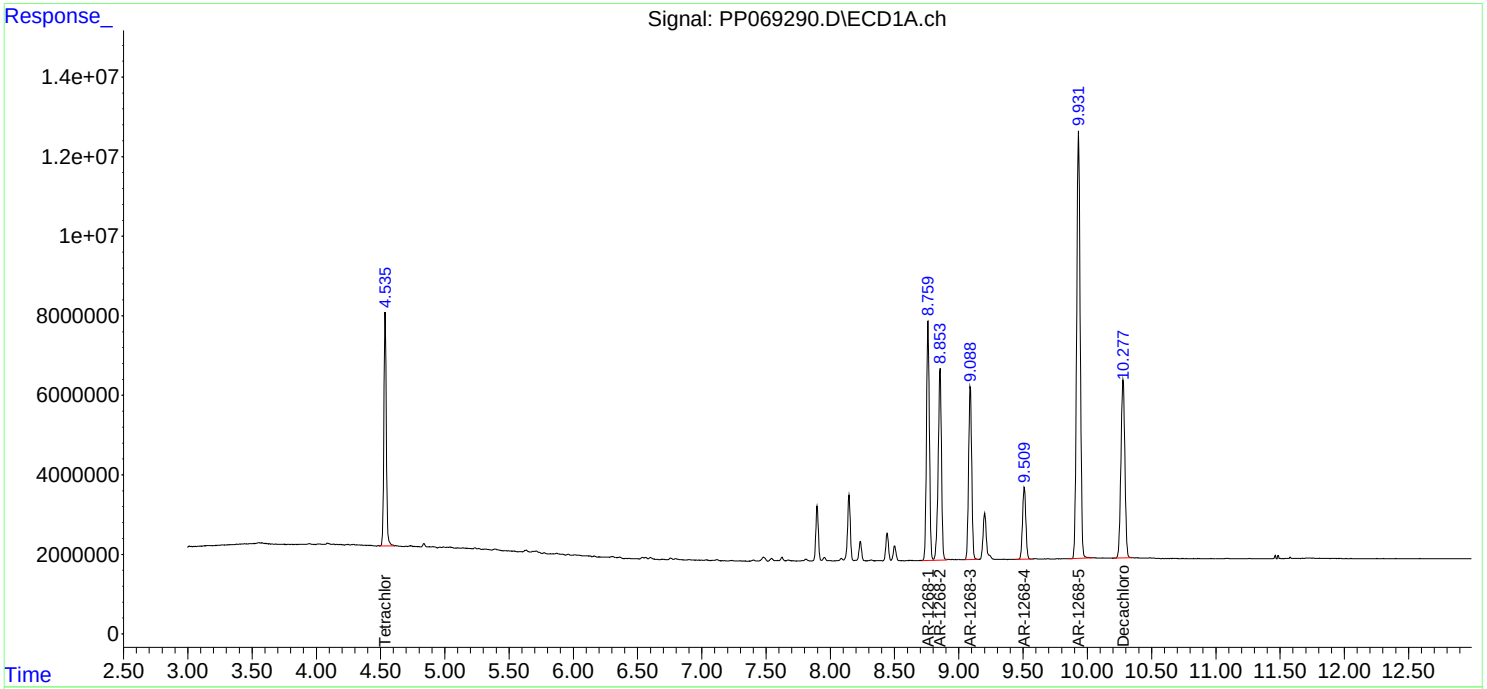
ICAL Form

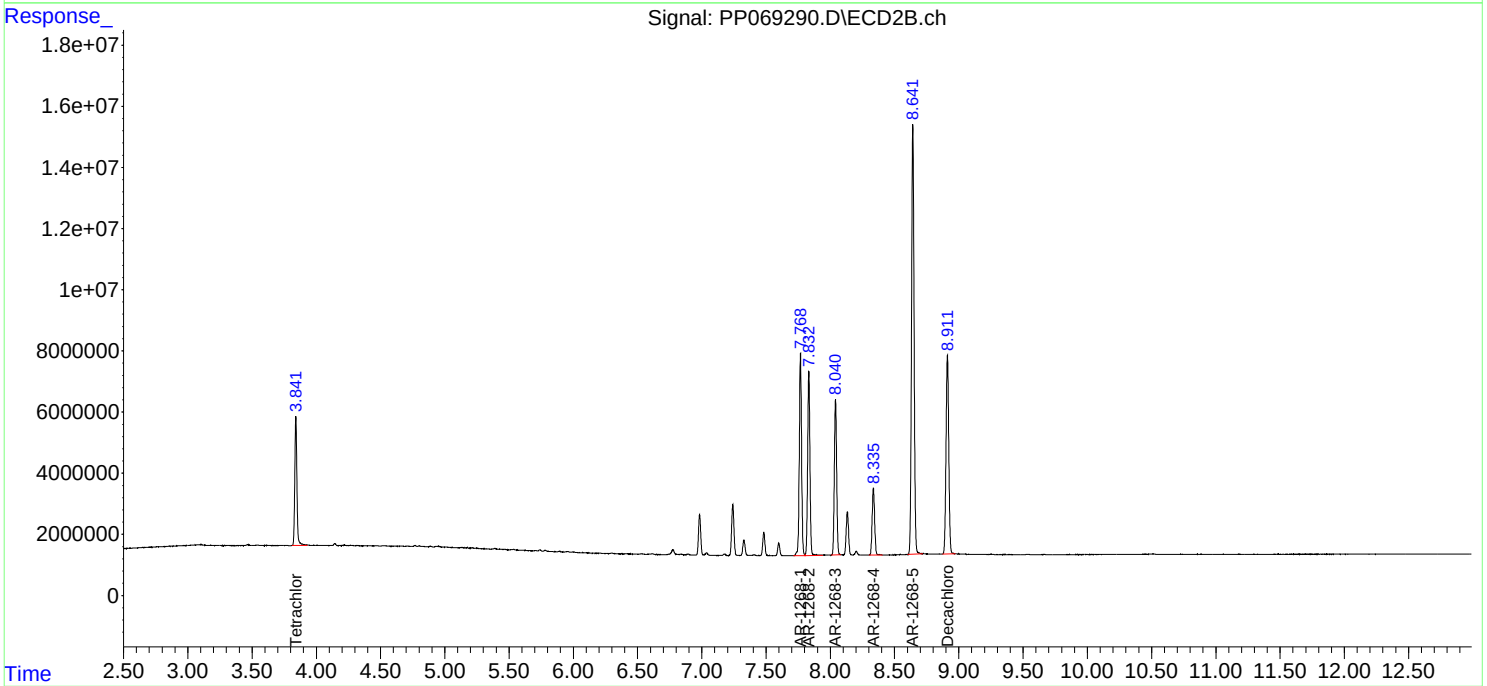
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:58
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

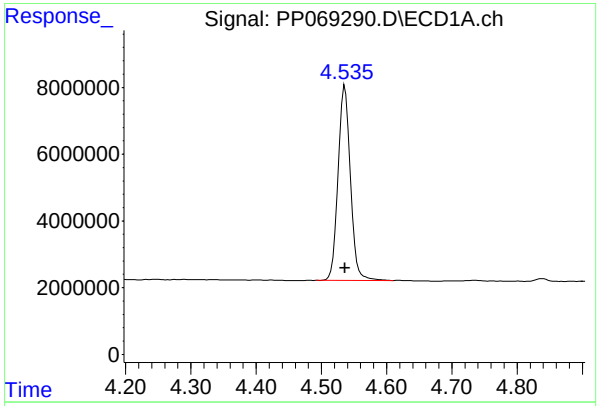
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:11:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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



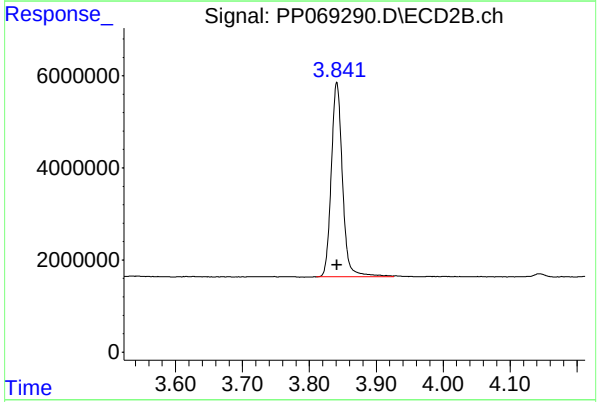




#1 Tetrachloro-m-xylene

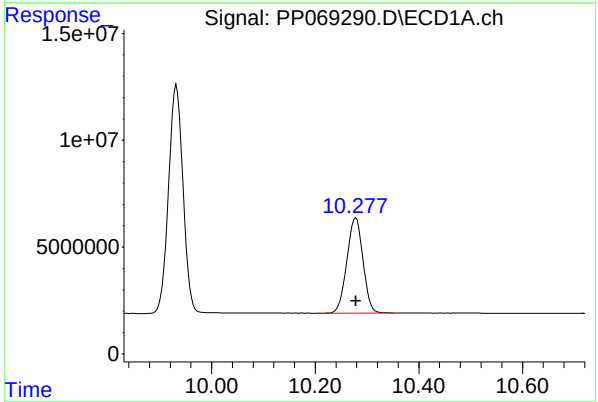
R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 76862426
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



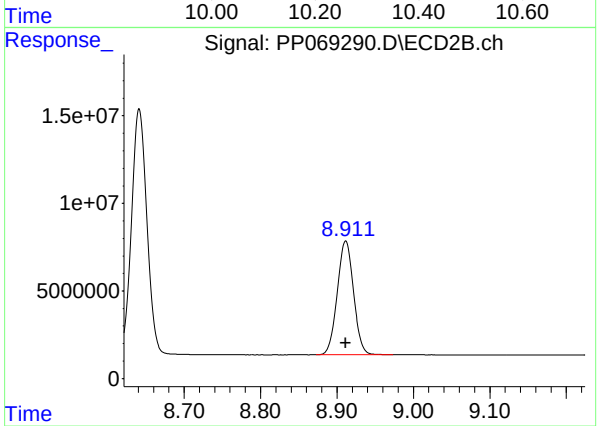
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 49181825
Conc: 50.00 ng/ml



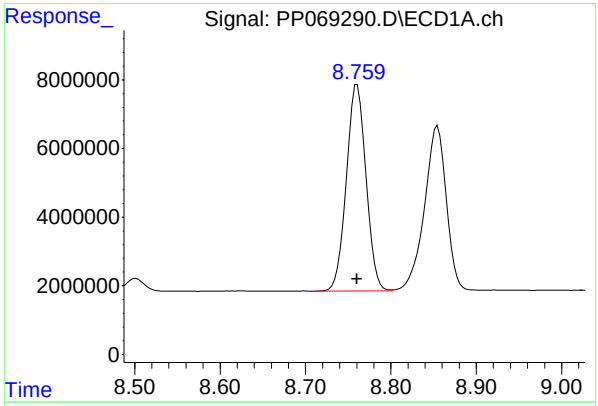
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 96042801
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

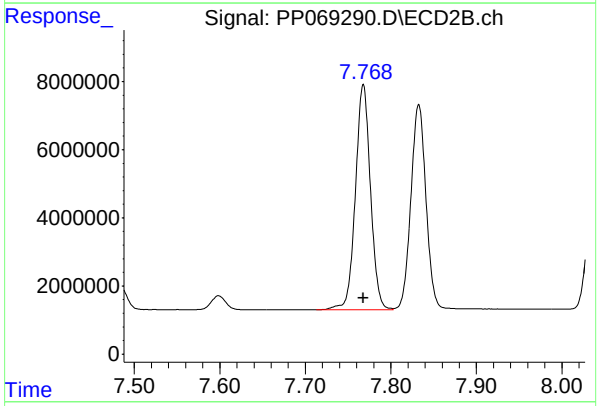
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 96162855
Conc: 50.00 ng/ml



#41 AR-1268-1

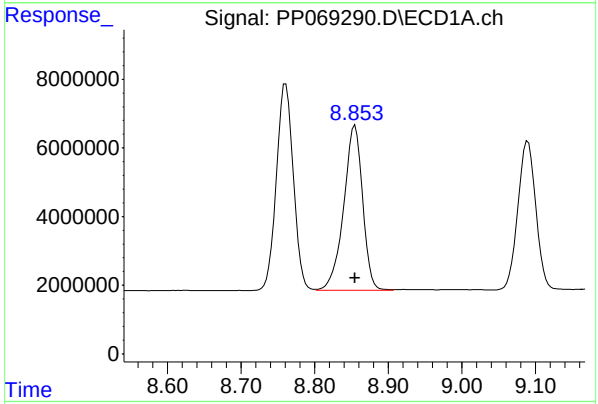
R.T.: 8.761 min
Delta R.T.: 0.000 min
Response: 96392837
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



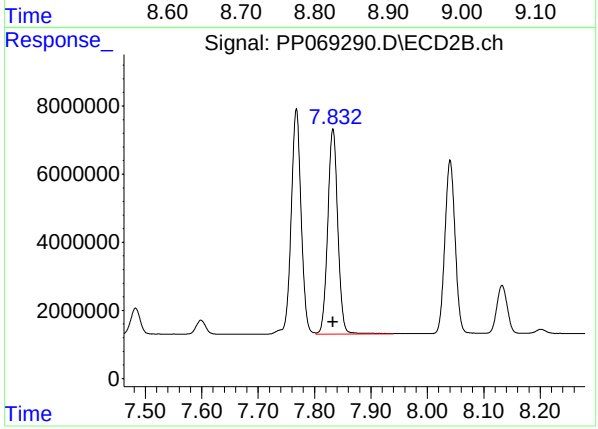
#41 AR-1268-1

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 80759270
Conc: 500.00 ng/ml



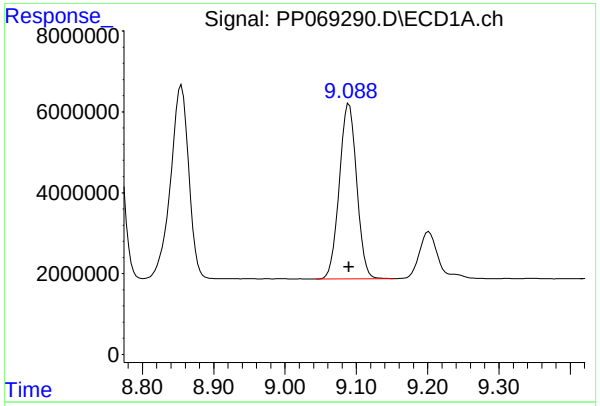
#42 AR-1268-2

R.T.: 8.855 min
Delta R.T.: 0.000 min
Response: 85848712
Conc: 500.00 ng/ml



#42 AR-1268-2

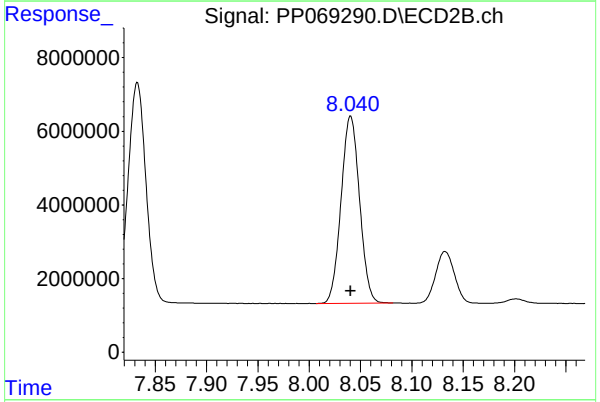
R.T.: 7.833 min
Delta R.T.: 0.000 min
Response: 74363836
Conc: 500.00 ng/ml



#43 AR-1268-3

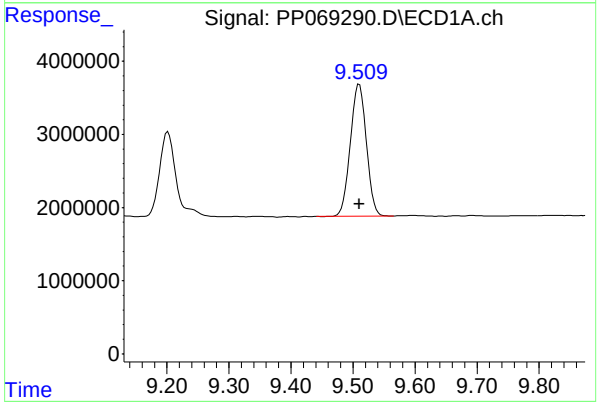
R.T.: 9.090 min
Delta R.T.: 0.000 min
Response: 73389481
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



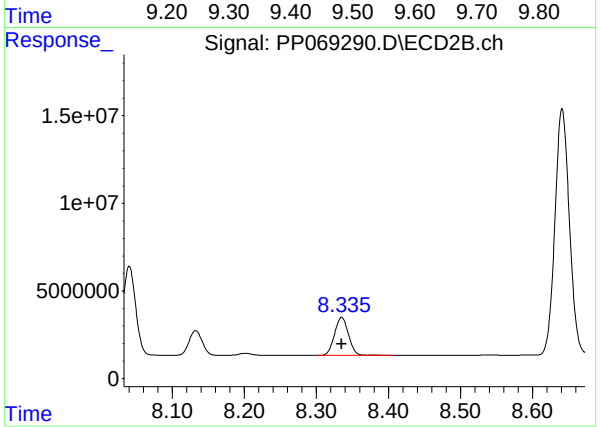
#43 AR-1268-3

R.T.: 8.040 min
Delta R.T.: 0.000 min
Response: 63508948
Conc: 500.00 ng/ml



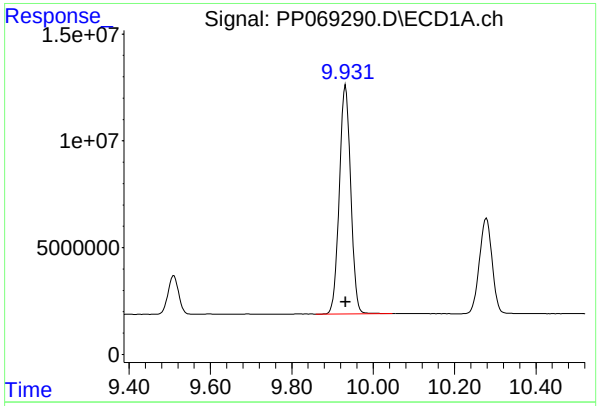
#44 AR-1268-4

R.T.: 9.510 min
Delta R.T.: 0.000 min
Response: 32343556
Conc: 500.00 ng/ml



#44 AR-1268-4

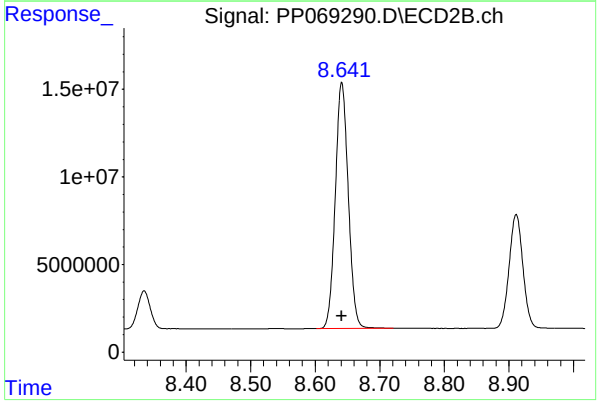
R.T.: 8.335 min
Delta R.T.: 0.000 min
Response: 29394578
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 207250635
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 195833465
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:14
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:28:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:28:39 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...	4.553	3.841	39693299	25406430	26.359	26.193
2)	SA Decachlor...	10.293	8.912	50826883	48064273	26.937	25.976
	Target Compounds						
41)	L9 AR-1268-1	8.778	7.768	50705640	40061895	267.938	259.651
42)	L9 AR-1268-2	8.872	7.832	44793849	36640221	266.509	257.814
43)	L9 AR-1268-3	9.106	8.041	38627120	31135456	268.197	257.001
44)	L9 AR-1268-4	9.527	8.336	16972703	14773829	266.811	261.656
45)	L9 AR-1268-5	9.947	8.642	109.1E6	95443492	265.618	250.089

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

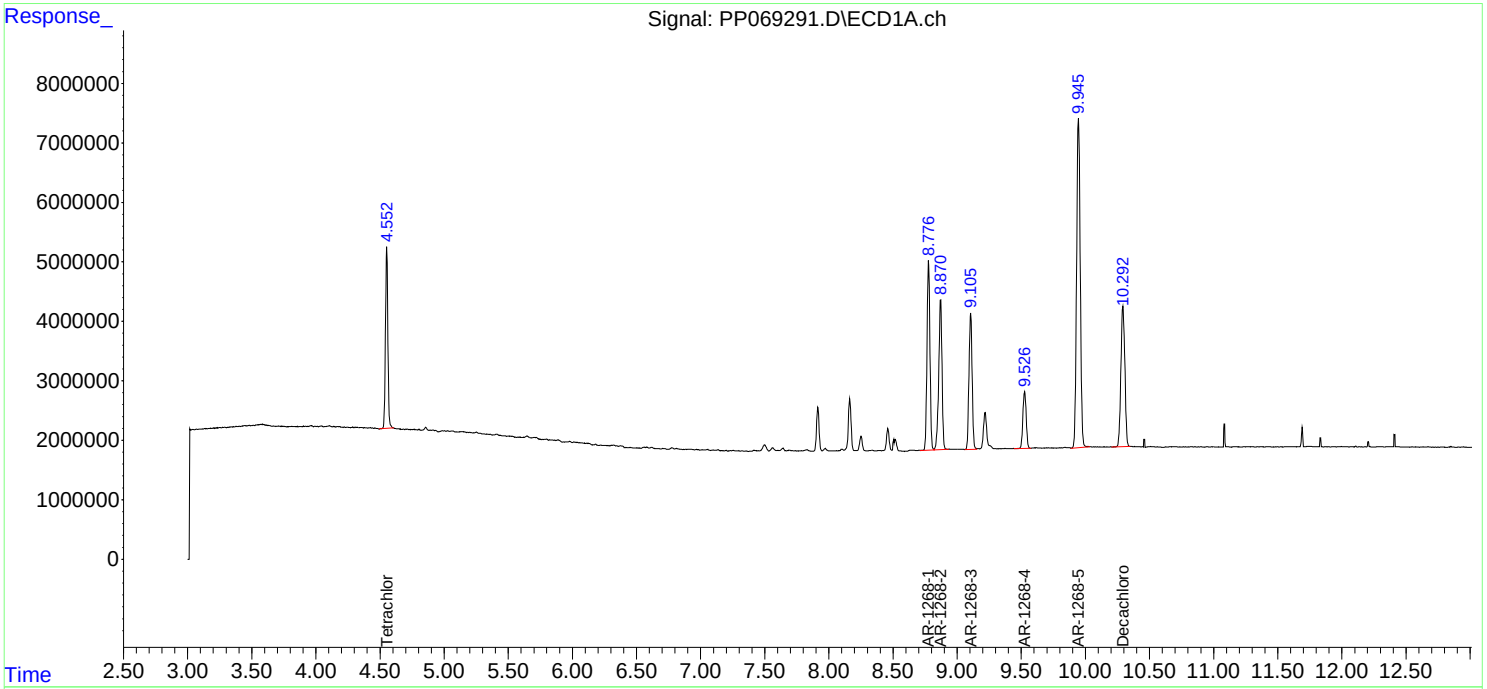
ICAL Form

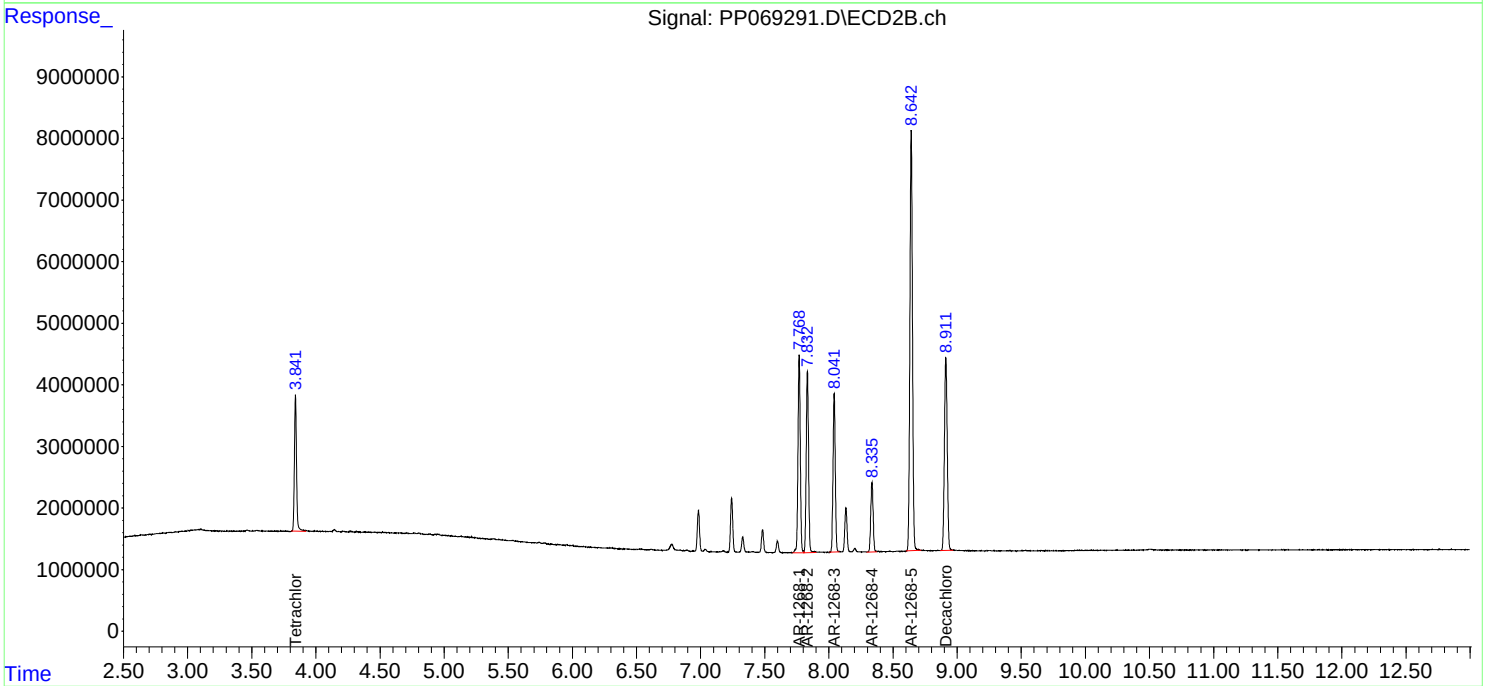
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:14
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

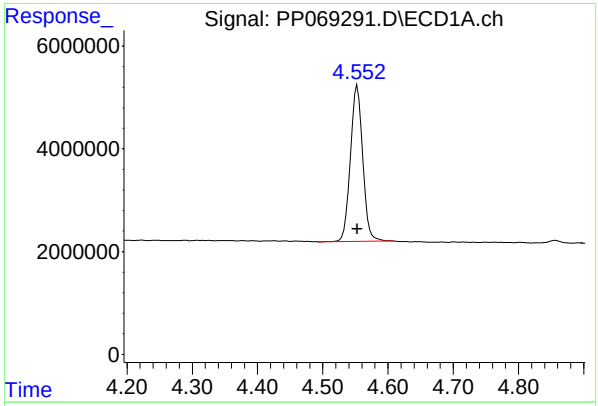
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:28:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:28:39 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



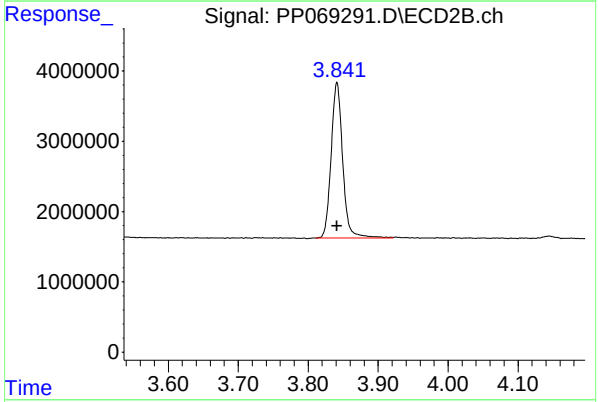




#1 Tetrachloro-m-xylene

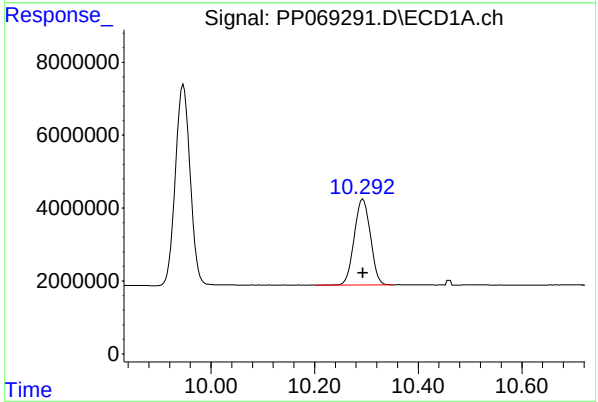
R.T.: 4.553 min
Delta R.T.: 0.000 min
Response: 39693299
Conc: 26.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



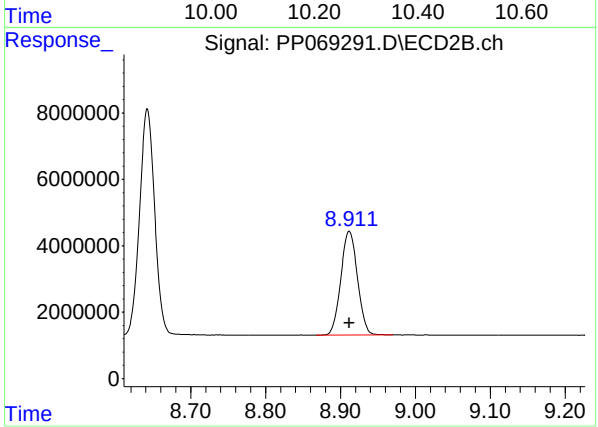
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 25406430
Conc: 26.19 ng/ml



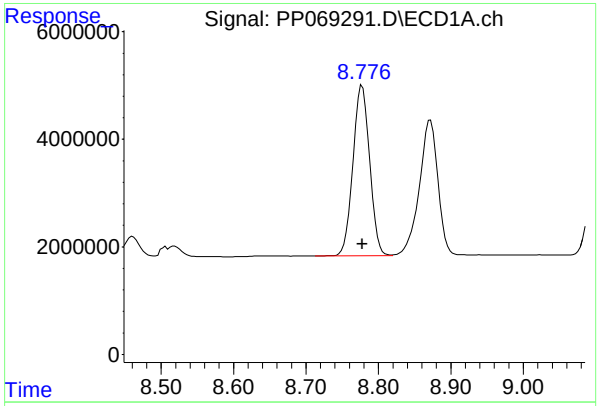
#2 Decachlorobiphenyl

R.T.: 10.293 min
Delta R.T.: 0.000 min
Response: 50826883
Conc: 26.94 ng/ml



#2 Decachlorobiphenyl

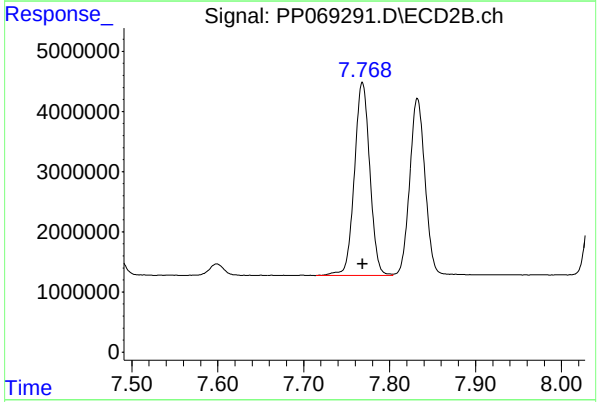
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 48064273
Conc: 25.98 ng/ml



#41 AR-1268-1

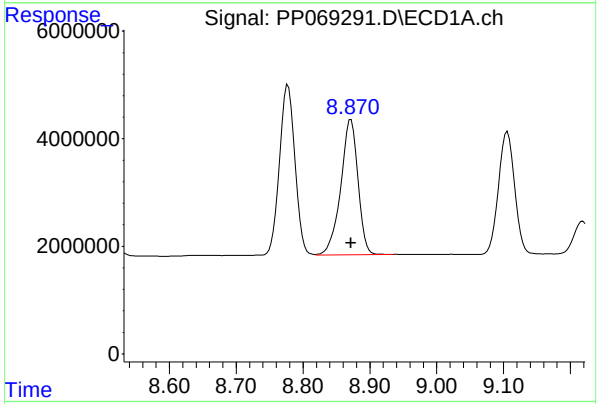
R.T.: 8.778 min
Delta R.T.: 0.000 min
Response: 50705640
Conc: 267.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



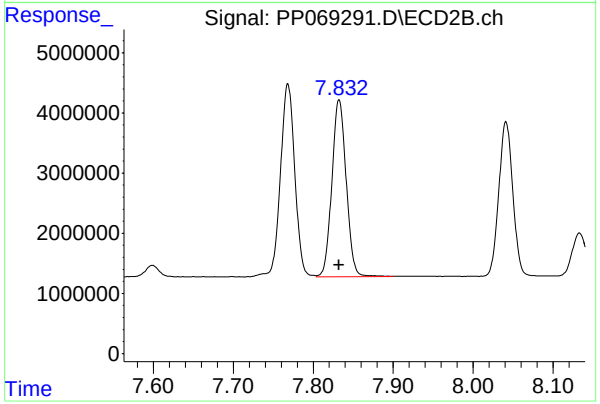
#41 AR-1268-1

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 40061895
Conc: 259.65 ng/ml



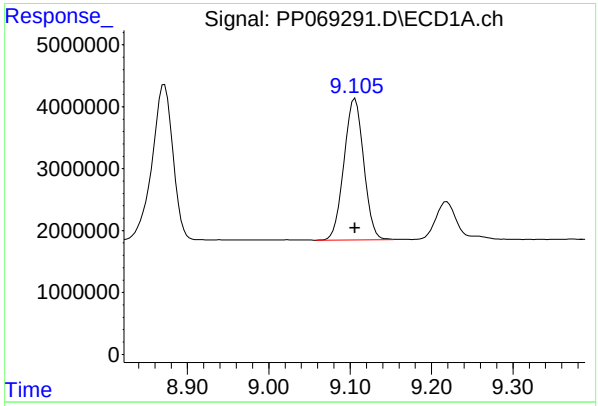
#42 AR-1268-2

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 44793849
Conc: 266.51 ng/ml



#42 AR-1268-2

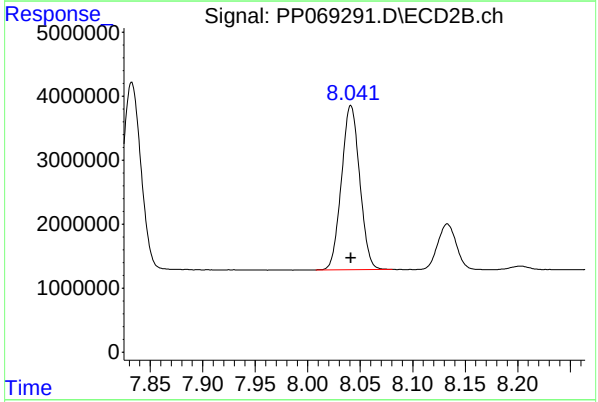
R.T.: 7.832 min
Delta R.T.: 0.000 min
Response: 36640221
Conc: 257.81 ng/ml



#43 AR-1268-3

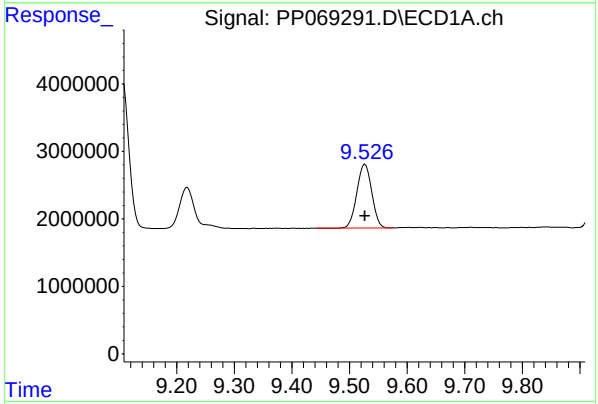
R.T.: 9.106 min
Delta R.T.: 0.000 min
Response: 38627120
Conc: 268.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



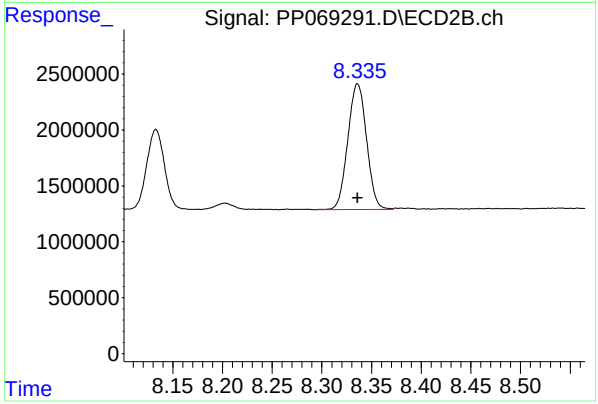
#43 AR-1268-3

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 31135456
Conc: 257.00 ng/ml



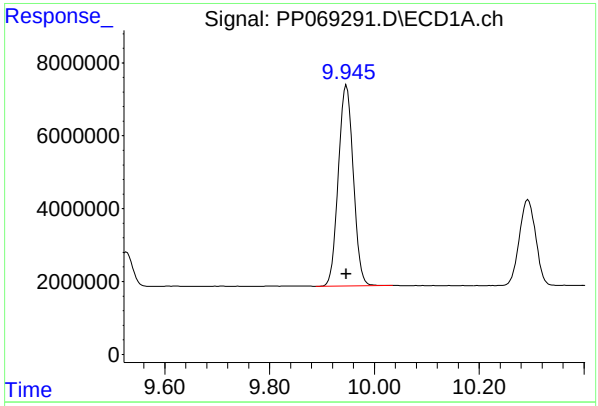
#44 AR-1268-4

R.T.: 9.527 min
Delta R.T.: 0.000 min
Response: 16972703
Conc: 266.81 ng/ml



#44 AR-1268-4

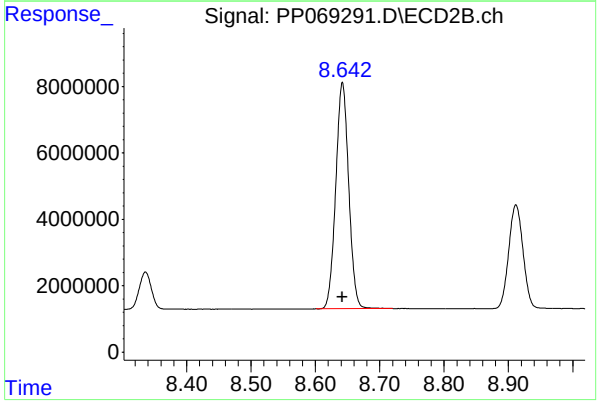
R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 14773829
Conc: 261.66 ng/ml



#45 AR-1268-5

R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 109112771
Conc: 265.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.642 min
Delta R.T.: 0.000 min
Response: 95443492
Conc: 250.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:30
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:46:12 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...	4.537	3.840	4537630	2929843	3.283m	3.277m
2)	SA Decachlor...	10.278	8.910	5979560	6573940	3.419	3.771
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.767	6295775	5422252	35.654	37.363
42)	L9 AR-1268-2	8.857	7.832	5727609	4780082	36.395	35.990
43)	L9 AR-1268-3	9.093	8.039	4626946	4204668	34.600	36.968
44)	L9 AR-1268-4	9.511	8.335	1957538	1726940	33.336	33.161
45)	L9 AR-1268-5	9.933	8.641	13066763	12717604	34.305	35.705

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:30
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

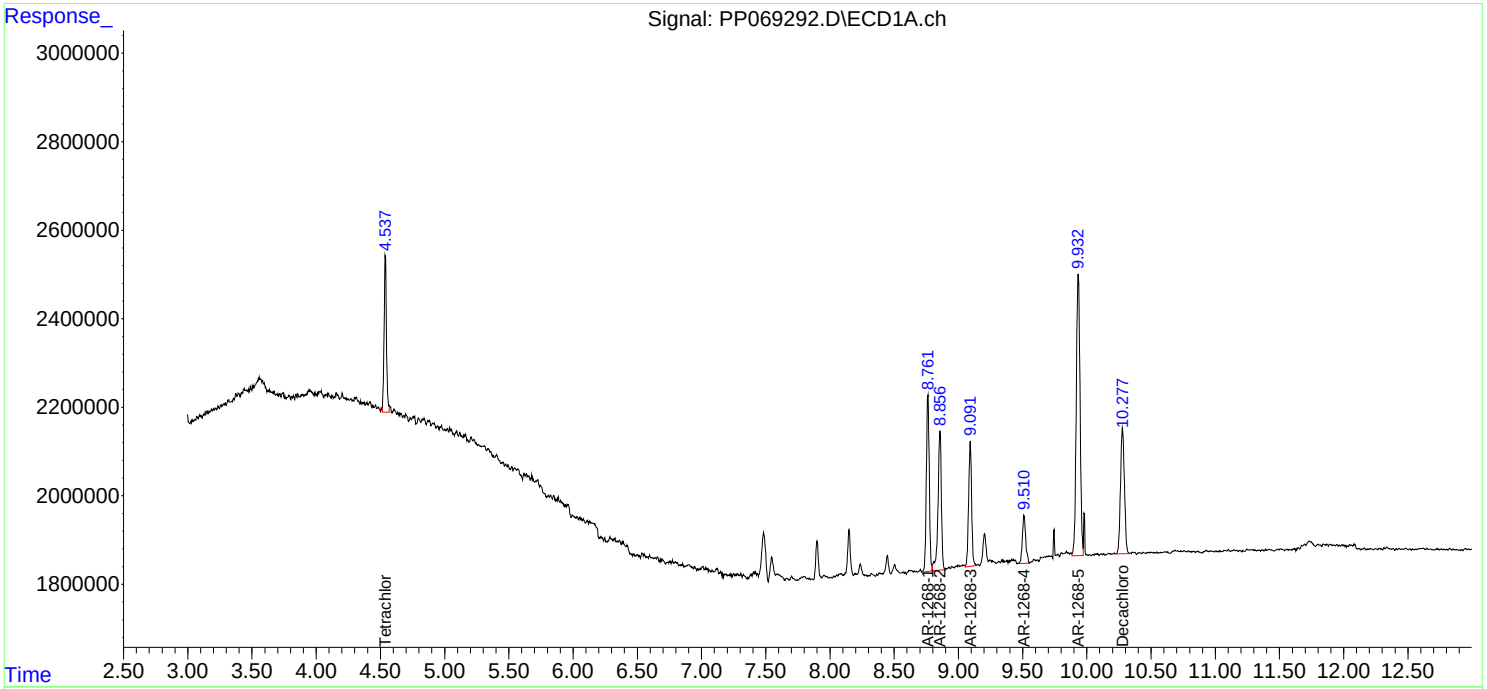
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

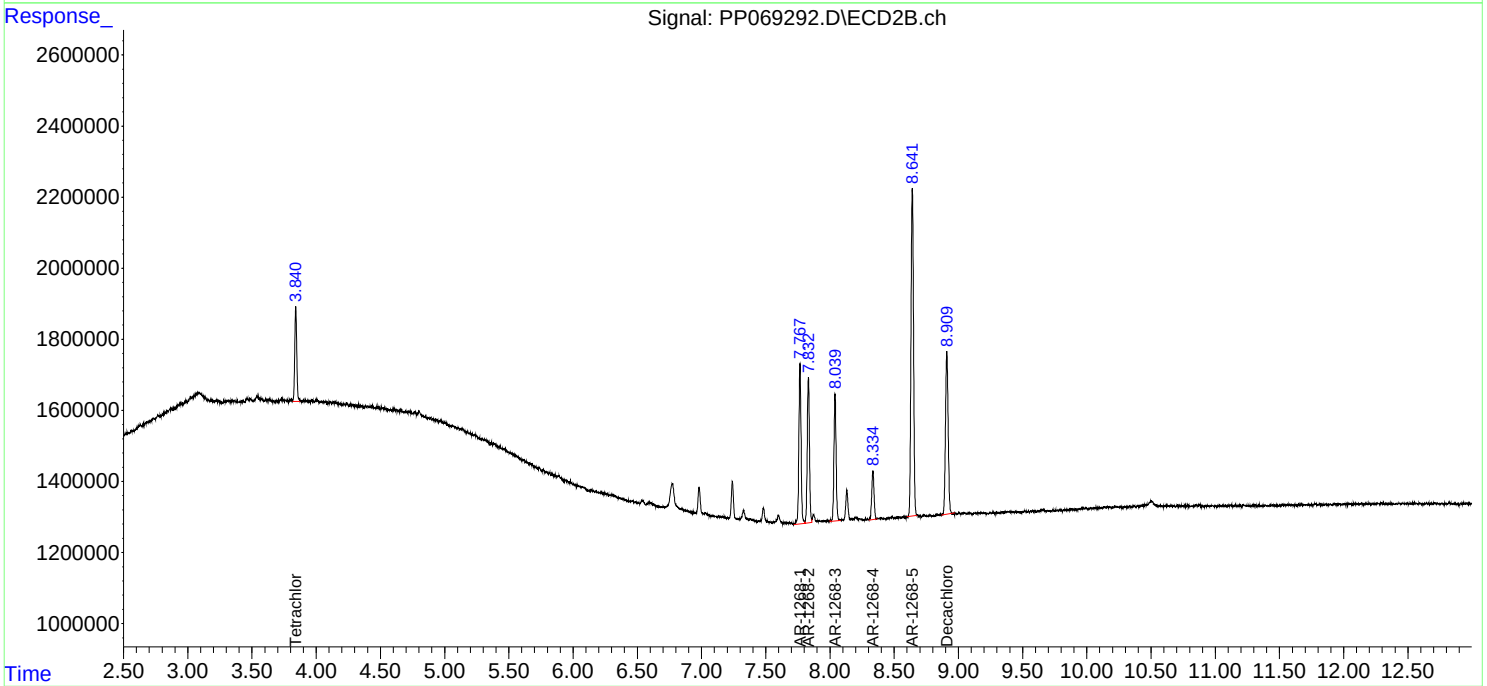
Manual Integrations APPROVED

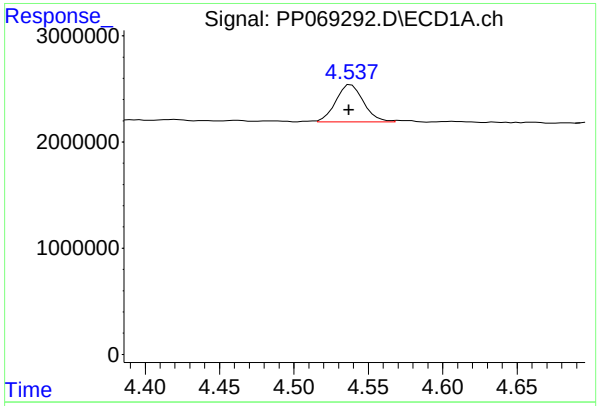
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:46:12 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







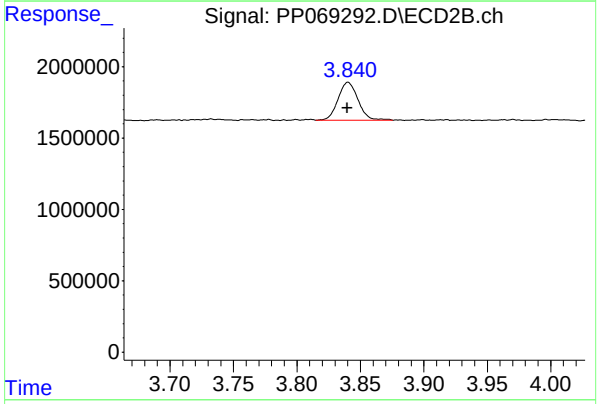
#1 Tetrachloro-m-xylene

R.T.: 4.537 min
Delta R.T.: 0.000 mi
Response: 4537630
Conc: 3.28 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

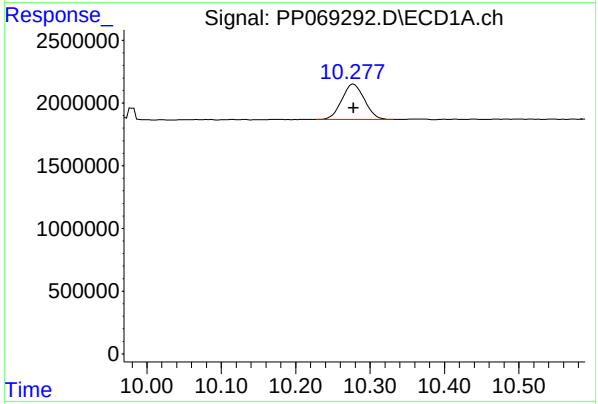
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



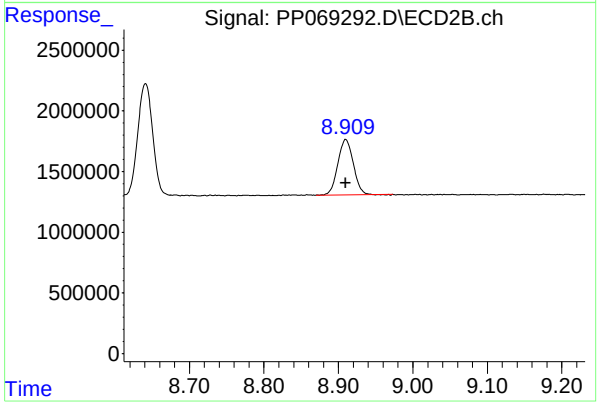
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 2929843
Conc: 3.28 ng/ml m



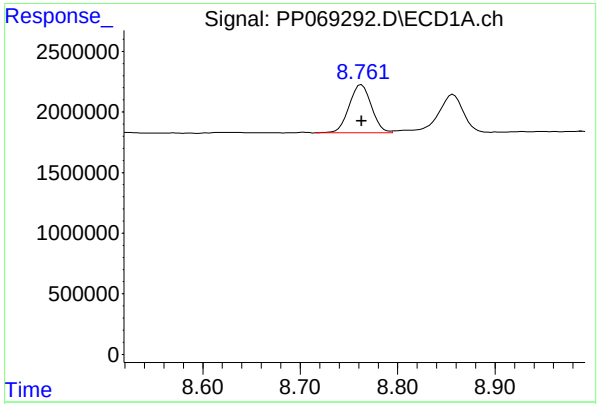
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 5979560
Conc: 3.42 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.910 min
Delta R.T.: 0.000 min
Response: 6573940
Conc: 3.77 ng/ml



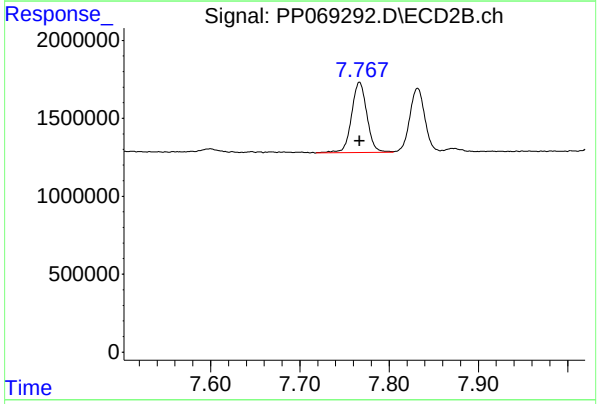
#41 AR-1268-1

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 6295775
Conc: 35.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

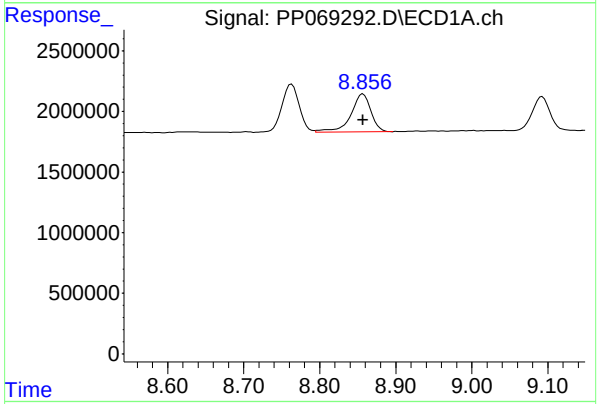
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



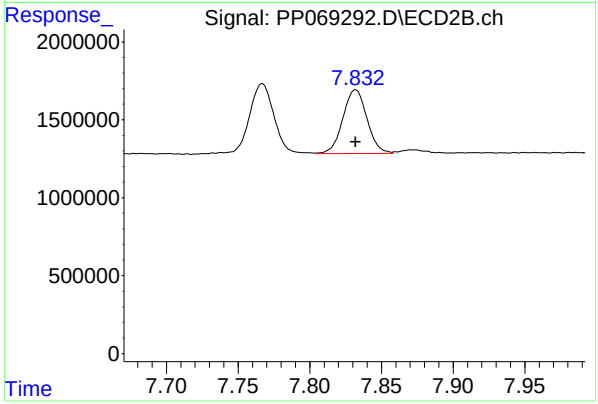
#41 AR-1268-1

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 5422252
Conc: 37.36 ng/ml



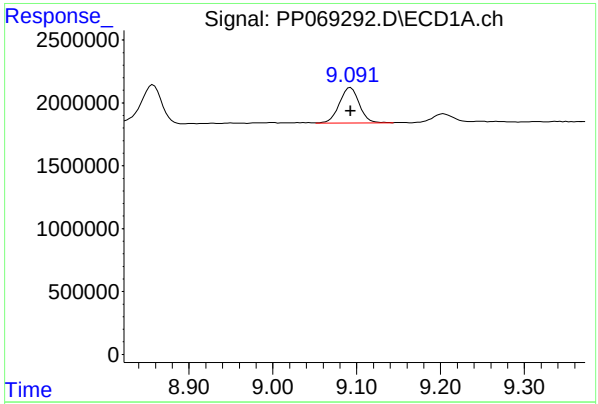
#42 AR-1268-2

R.T.: 8.857 min
Delta R.T.: 0.000 min
Response: 5727609
Conc: 36.40 ng/ml



#42 AR-1268-2

R.T.: 7.832 min
Delta R.T.: 0.000 min
Response: 4780082
Conc: 35.99 ng/ml



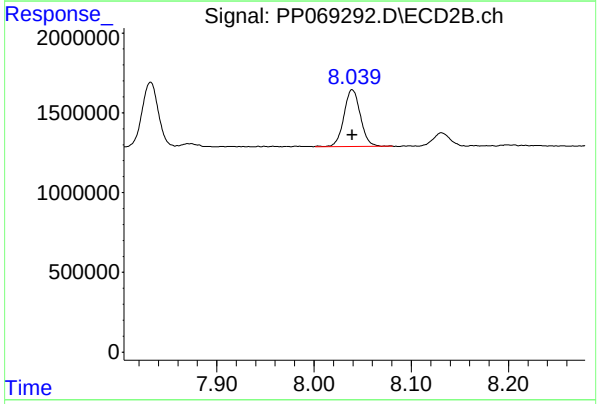
#43 AR-1268-3

R.T.: 9.093 min
Delta R.T.: 0.000 min
Response: 4626946
Conc: 34.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

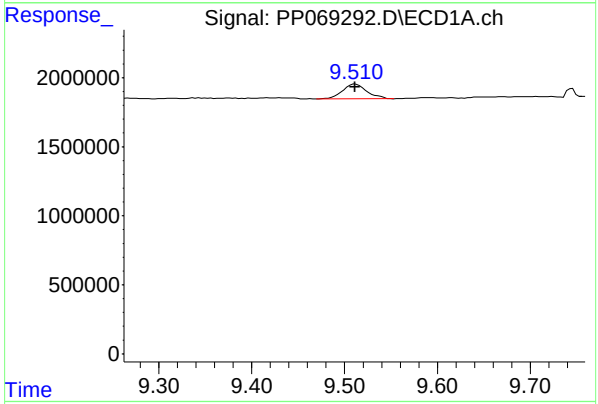
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



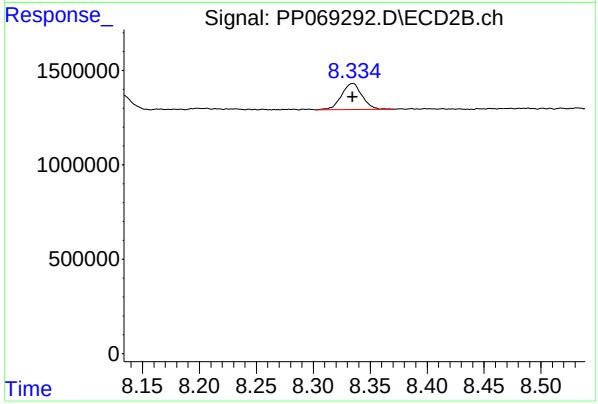
#43 AR-1268-3

R.T.: 8.039 min
Delta R.T.: 0.000 min
Response: 4204668
Conc: 36.97 ng/ml



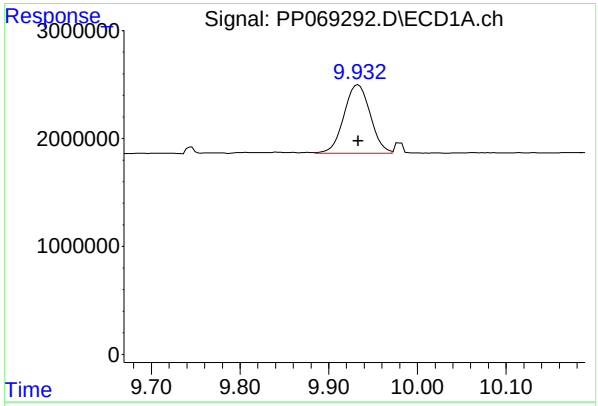
#44 AR-1268-4

R.T.: 9.511 min
Delta R.T.: 0.000 min
Response: 1957538
Conc: 33.34 ng/ml



#44 AR-1268-4

R.T.: 8.335 min
Delta R.T.: 0.000 min
Response: 1726940
Conc: 33.16 ng/ml



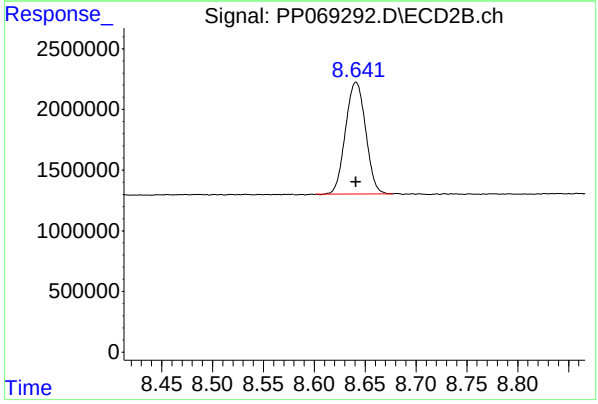
#45 AR-1268-5

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 13066763
Conc: 34.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



#45 AR-1268-5

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 12717604
Conc: 35.71 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:47
Operator : YP\AJ
Sample : PP012825ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:59:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds							
1)	SA	Tetrachlo...	4.534	3.841	74230451	47659652	51.856	53.398
2)	SA	Decachlor...	10.274	8.911	57553327	56187297	52.661	50.235
	Target Compounds							
3)	L1	AR-1016-1	5.688	4.934	24061581	16845536	519.319	516.496
4)	L1	AR-1016-2	5.709	4.953	34728146	23100033	511.632	513.809
5)	L1	AR-1016-3	5.772	5.131	21101112	12951595	495.371	520.479
6)	L1	AR-1016-4	5.869	5.172	18055342	10646965	515.860	527.175
7)	L1	AR-1016-5	6.163	5.388	16717226	13663941	505.686	509.394
31)	L7	AR-1260-1	7.283	6.427	30214710	25313813	517.054	524.861
32)	L7	AR-1260-2	7.537	6.615	38414643	31274552	493.680	510.158
33)	L7	AR-1260-3	7.896	6.770	31738047	29037300	507.652	482.697
34)	L7	AR-1260-4	8.120	7.244	33029814	24263249	500.628	522.153
35)	L7	AR-1260-5	8.443	7.483	66012339	57109170	504.196	513.825

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

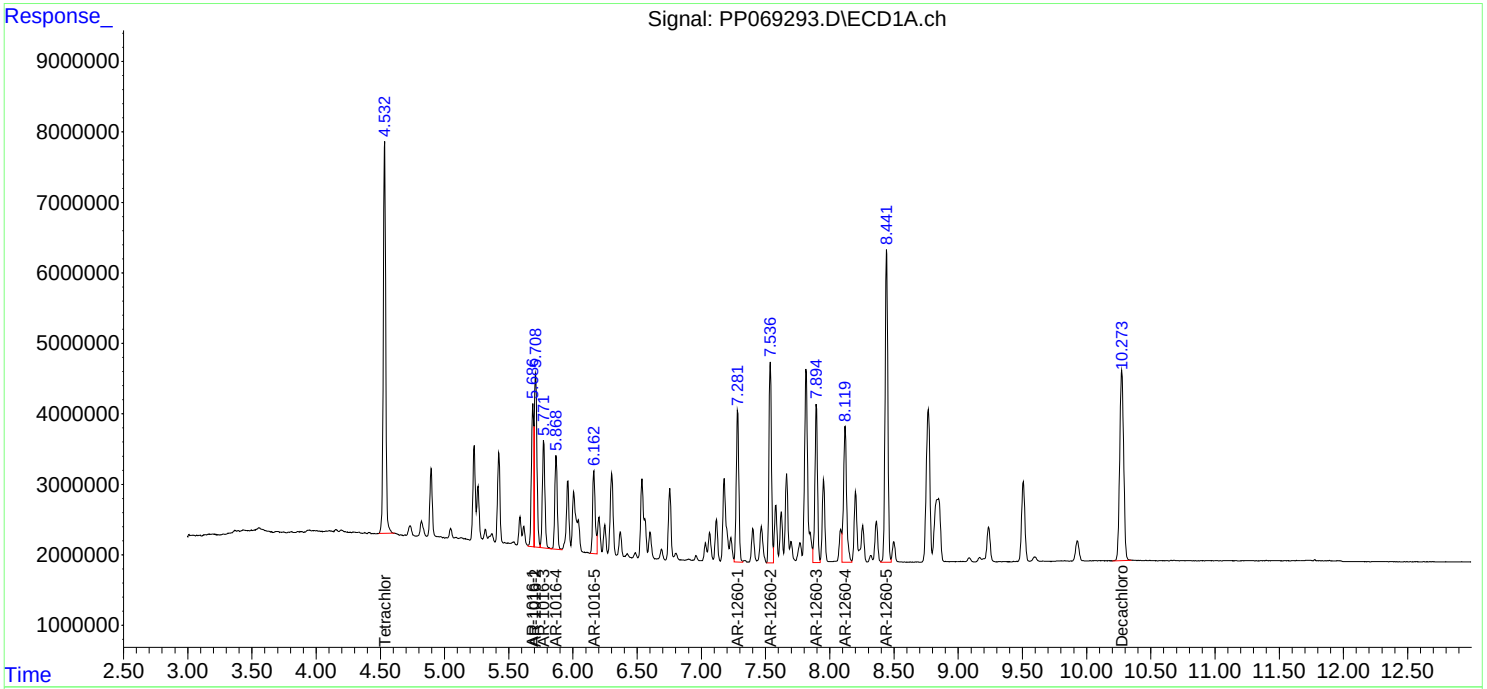
ICAL Form

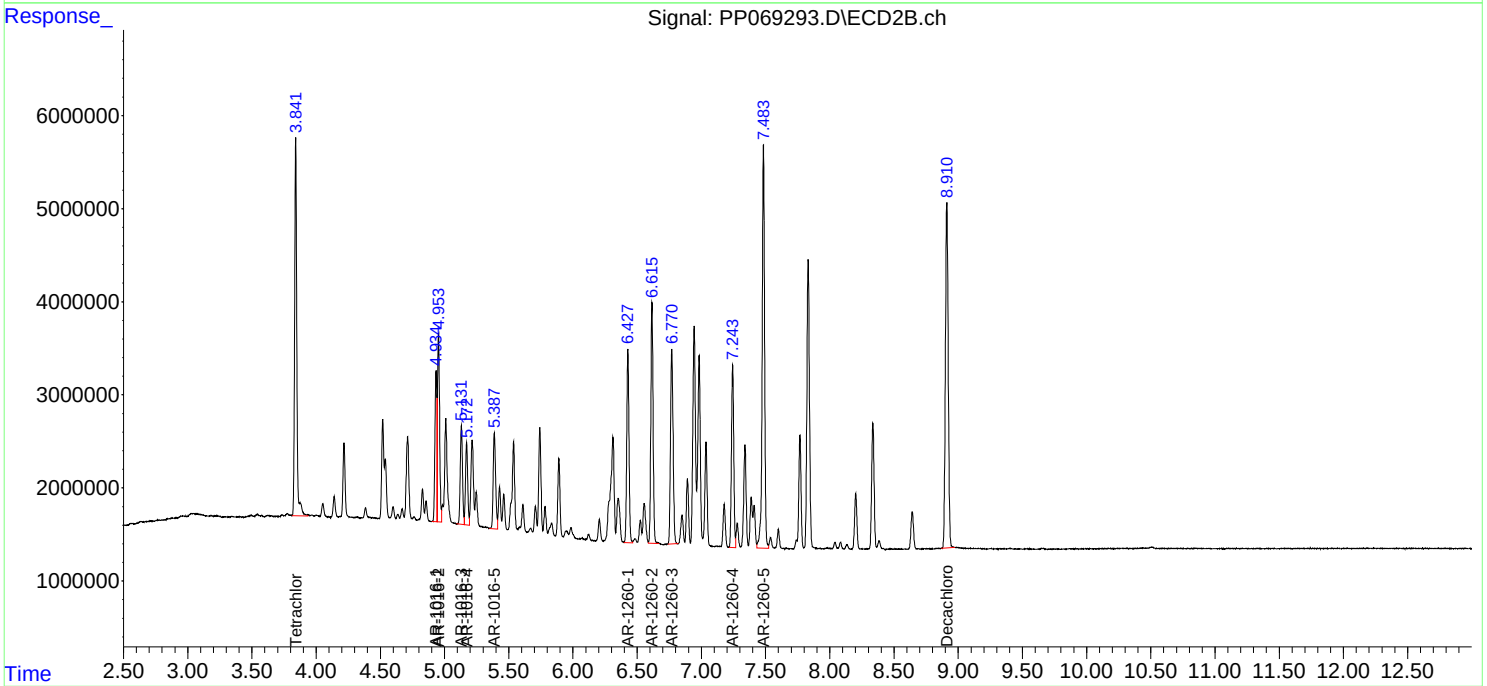
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:47
Operator : YP\AJ
Sample : PP012825ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

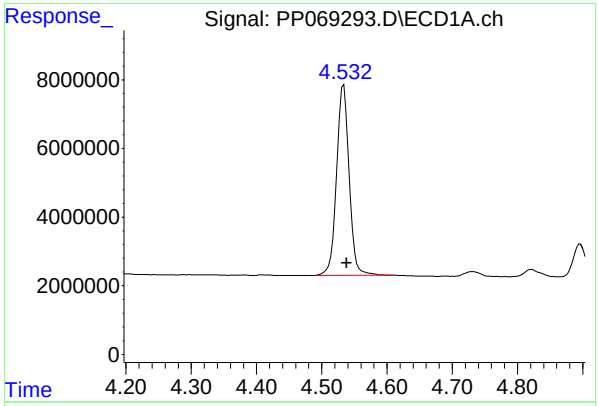
Instrument :
ECD_P
ClientSampleId :
ICVPP012825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:59:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



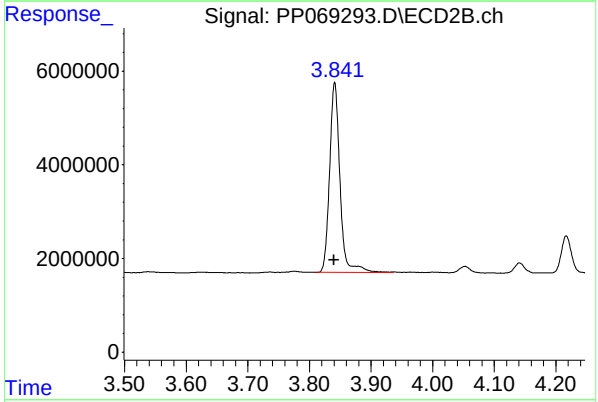




#1 Tetrachloro-m-xylene

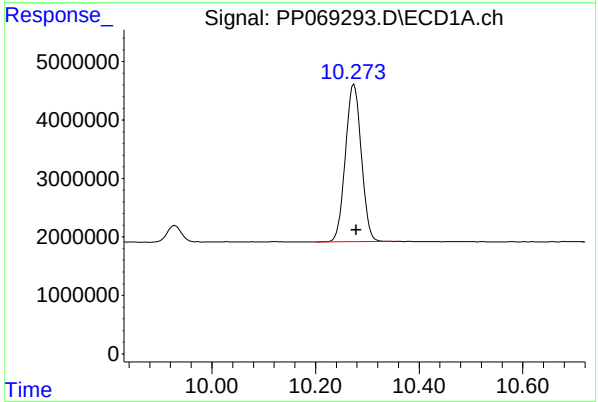
R.T.: 4.534 min
Delta R.T.: -0.004 min
Response: 74230451
Conc: 51.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825



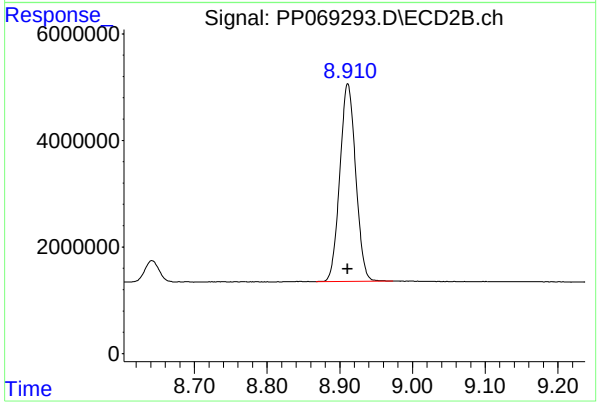
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.001 min
Response: 47659652
Conc: 53.40 ng/ml



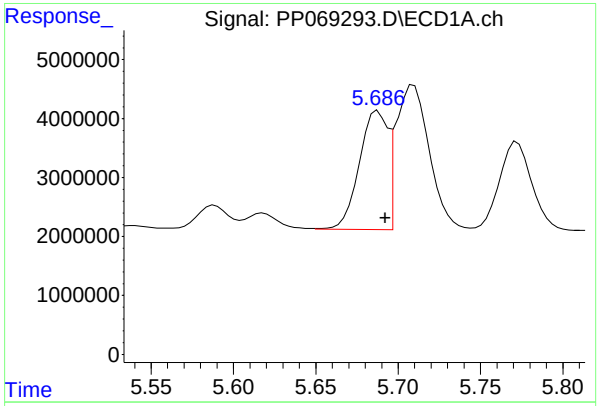
#2 Decachlorobiphenyl

R.T.: 10.274 min
Delta R.T.: -0.004 min
Response: 57553327
Conc: 52.66 ng/ml



#2 Decachlorobiphenyl

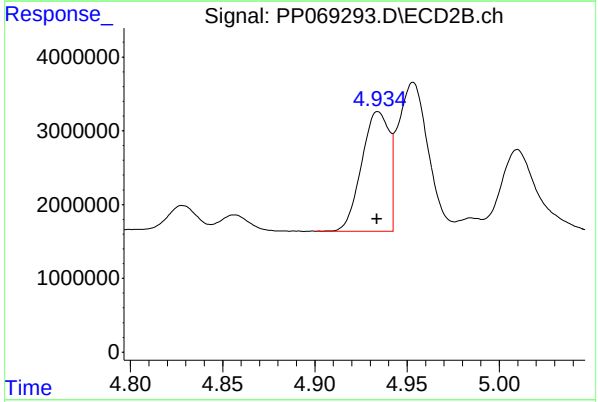
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 56187297
Conc: 50.24 ng/ml



#3 AR-1016-1

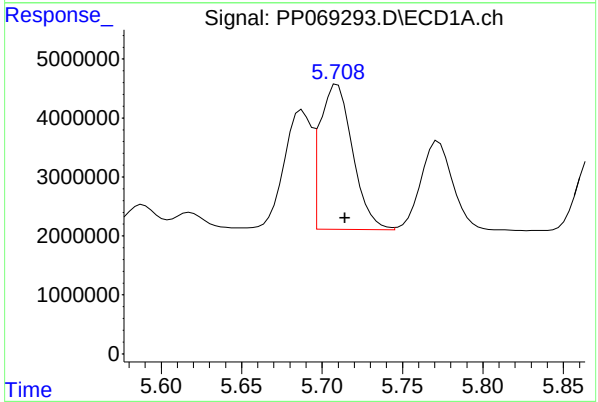
R.T.: 5.688 min
Delta R.T.: -0.004 min
Response: 24061581
Conc: 519.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825



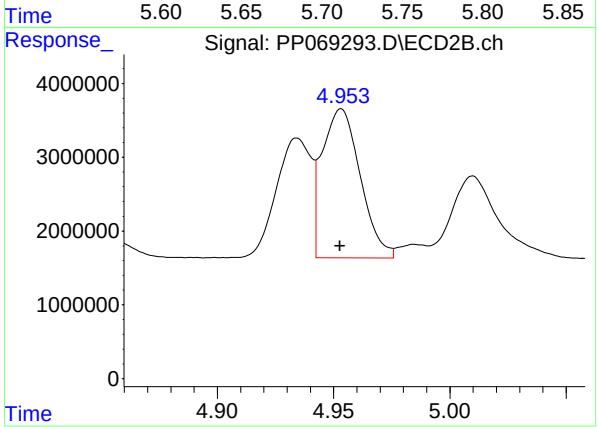
#3 AR-1016-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 16845536
Conc: 516.50 ng/ml



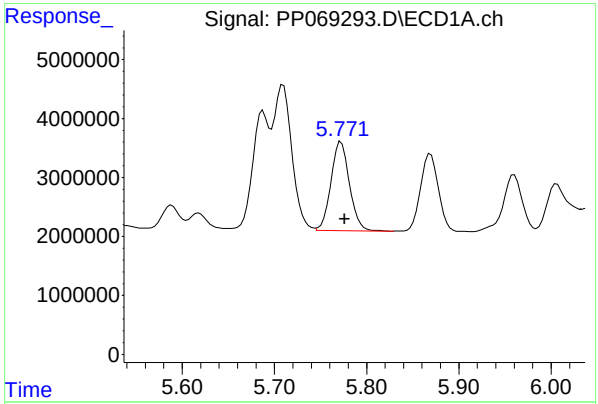
#4 AR-1016-2

R.T.: 5.709 min
Delta R.T.: -0.005 min
Response: 34728146
Conc: 511.63 ng/ml



#4 AR-1016-2

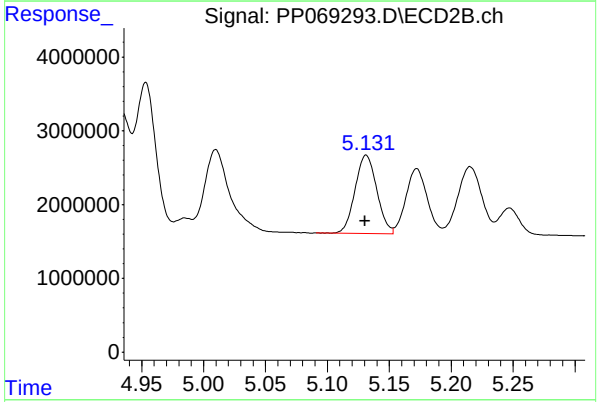
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 23100033
Conc: 513.81 ng/ml



#5 AR-1016-3

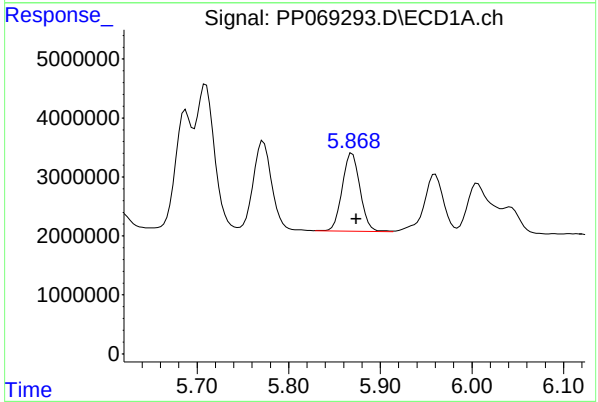
R.T.: 5.772 min
Delta R.T.: -0.004 min
Response: 21101112
Conc: 495.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825



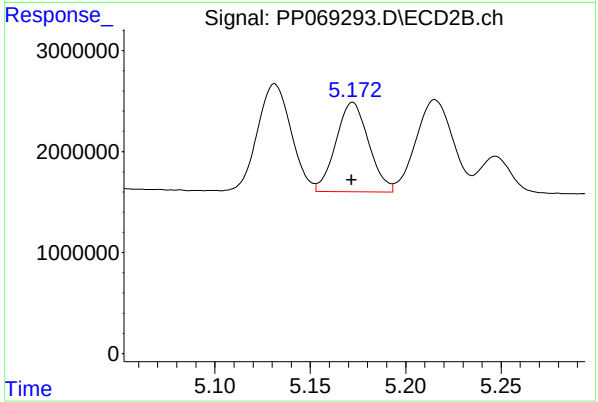
#5 AR-1016-3

R.T.: 5.131 min
Delta R.T.: 0.001 min
Response: 12951595
Conc: 520.48 ng/ml



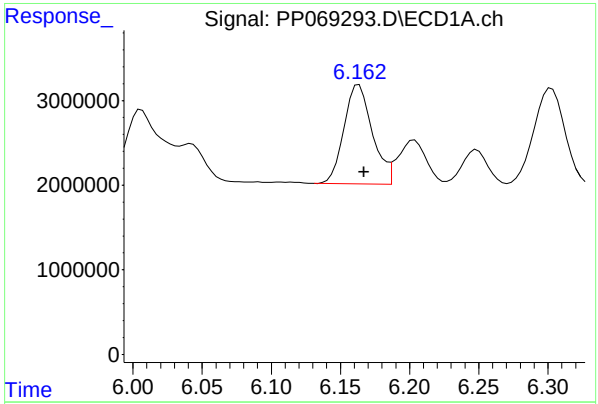
#6 AR-1016-4

R.T.: 5.869 min
Delta R.T.: -0.005 min
Response: 18055342
Conc: 515.86 ng/ml



#6 AR-1016-4

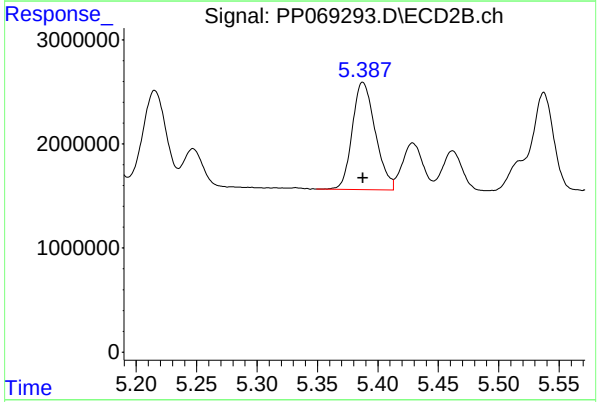
R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 10646965
Conc: 527.17 ng/ml



#7 AR-1016-5

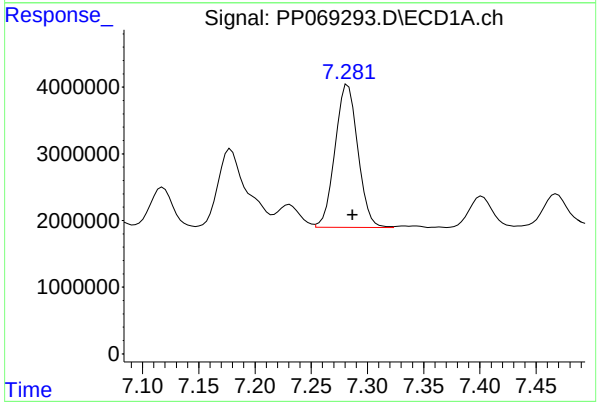
R.T.: 6.163 min
Delta R.T.: -0.004 min
Response: 16717226
Conc: 505.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825



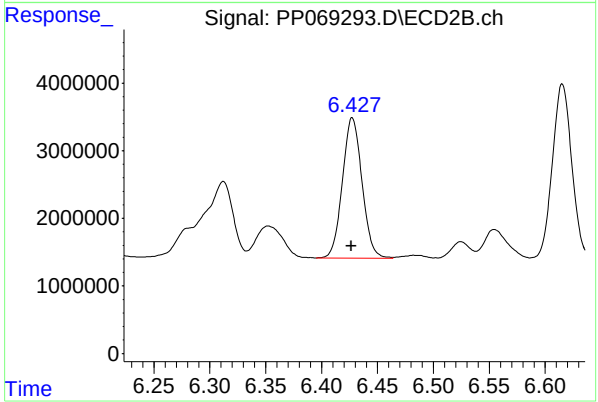
#7 AR-1016-5

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 13663941
Conc: 509.39 ng/ml



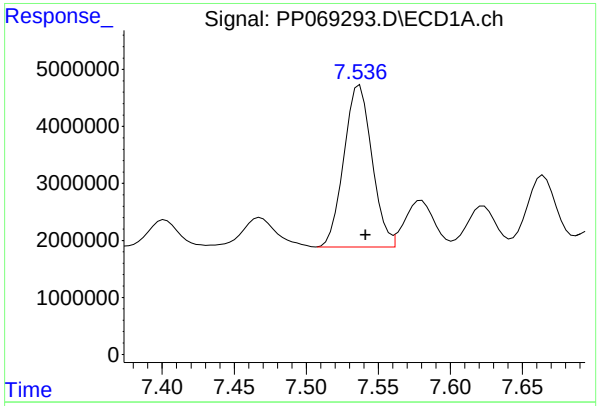
#31 AR-1260-1

R.T.: 7.283 min
Delta R.T.: -0.004 min
Response: 30214710
Conc: 517.05 ng/ml



#31 AR-1260-1

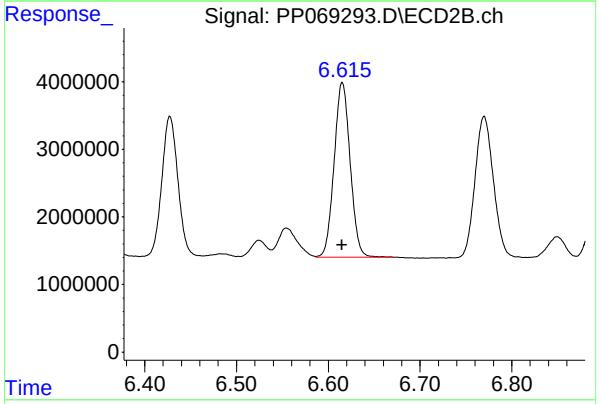
R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 25313813
Conc: 524.86 ng/ml



#32 AR-1260-2

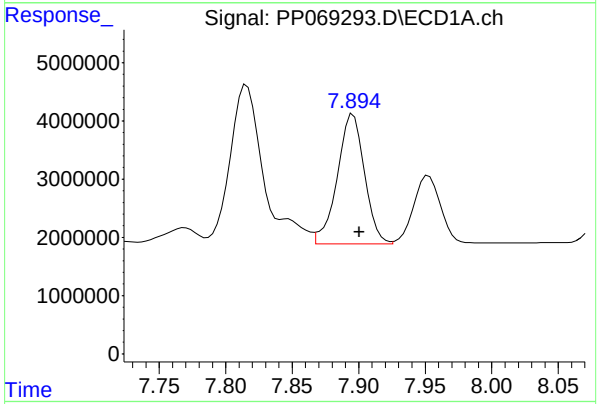
R.T.: 7.537 min
Delta R.T.: -0.004 min
Response: 38414643
Conc: 493.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825



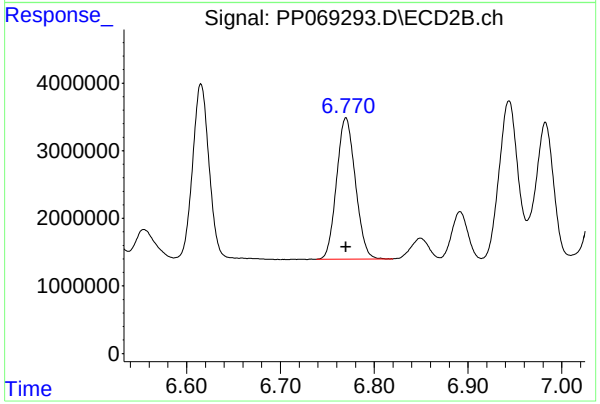
#32 AR-1260-2

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 31274552
Conc: 510.16 ng/ml



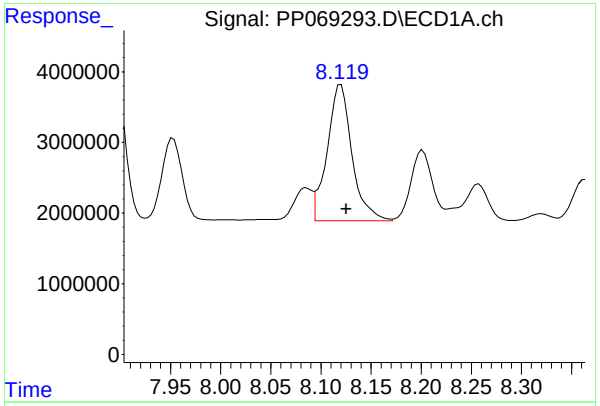
#33 AR-1260-3

R.T.: 7.896 min
Delta R.T.: -0.005 min
Response: 31738047
Conc: 507.65 ng/ml



#33 AR-1260-3

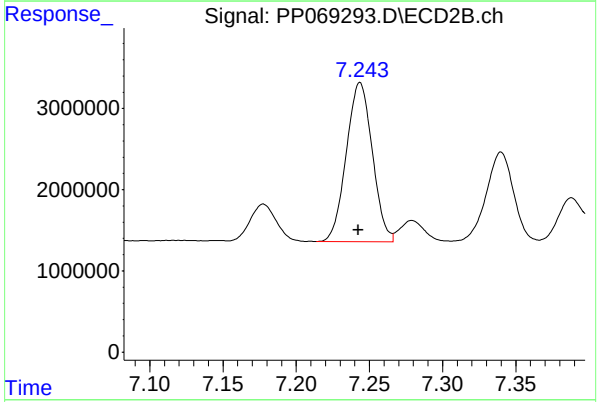
R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 29037300
Conc: 482.70 ng/ml



#34 AR-1260-4

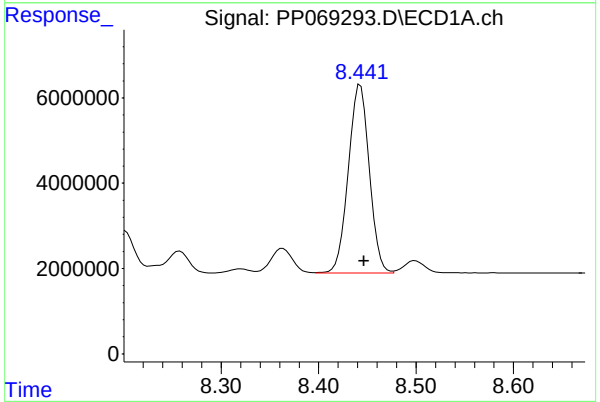
R.T.: 8.120 min
Delta R.T.: -0.005 min
Response: 33029814
Conc: 500.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825



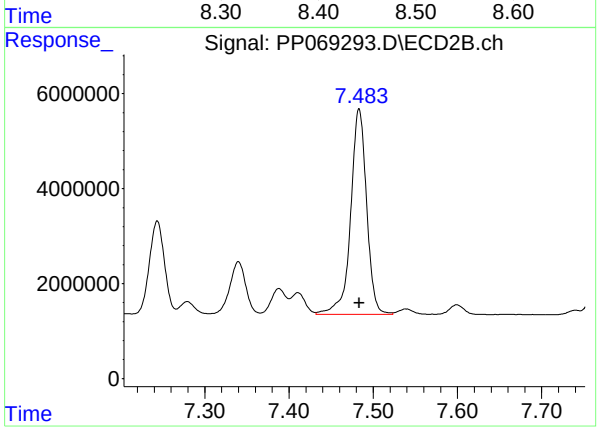
#34 AR-1260-4

R.T.: 7.244 min
Delta R.T.: 0.001 min
Response: 24263249
Conc: 522.15 ng/ml



#35 AR-1260-5

R.T.: 8.443 min
Delta R.T.: -0.004 min
Response: 66012339
Conc: 504.20 ng/ml



#35 AR-1260-5

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 57109170
Conc: 513.83 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:03
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 18:13:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.538	3.840	73528508	45074660	51.365	50.502
2)	SA Decachlor...	10.279	8.910	55006808	53974487	50.331	48.257
	Target Compounds						
16)	L4 AR-1242-1	5.692	4.933	19485743	14591085	467.225	506.072
17)	L4 AR-1242-2	5.714	4.952	30104171	19350019	510.319	491.145
18)	L4 AR-1242-3	5.777	5.131	18082829	11274965	487.426	501.019
19)	L4 AR-1242-4	5.874	5.215	15605992	10907868	475.870	505.409
20)	L4 AR-1242-5	6.605	5.741	17080730	14269255	524.201	496.005

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

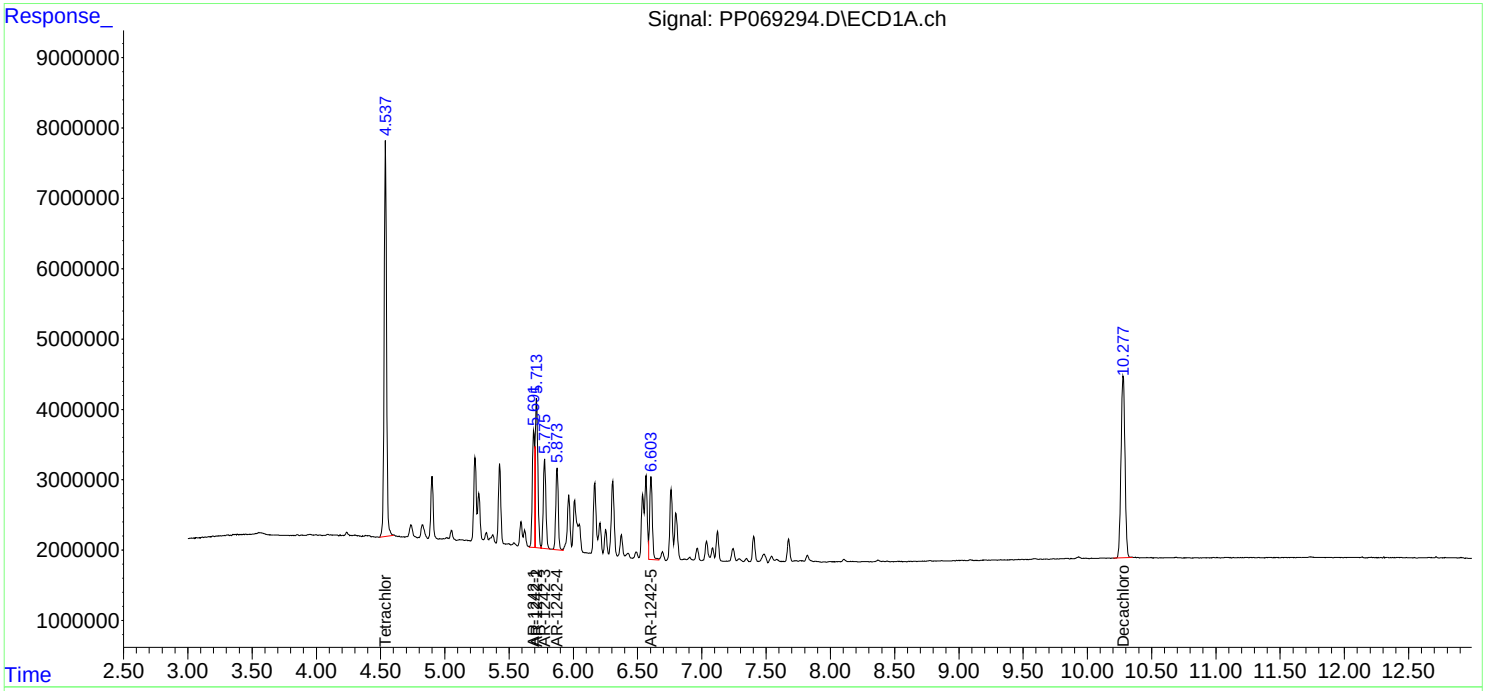
ICAL Form

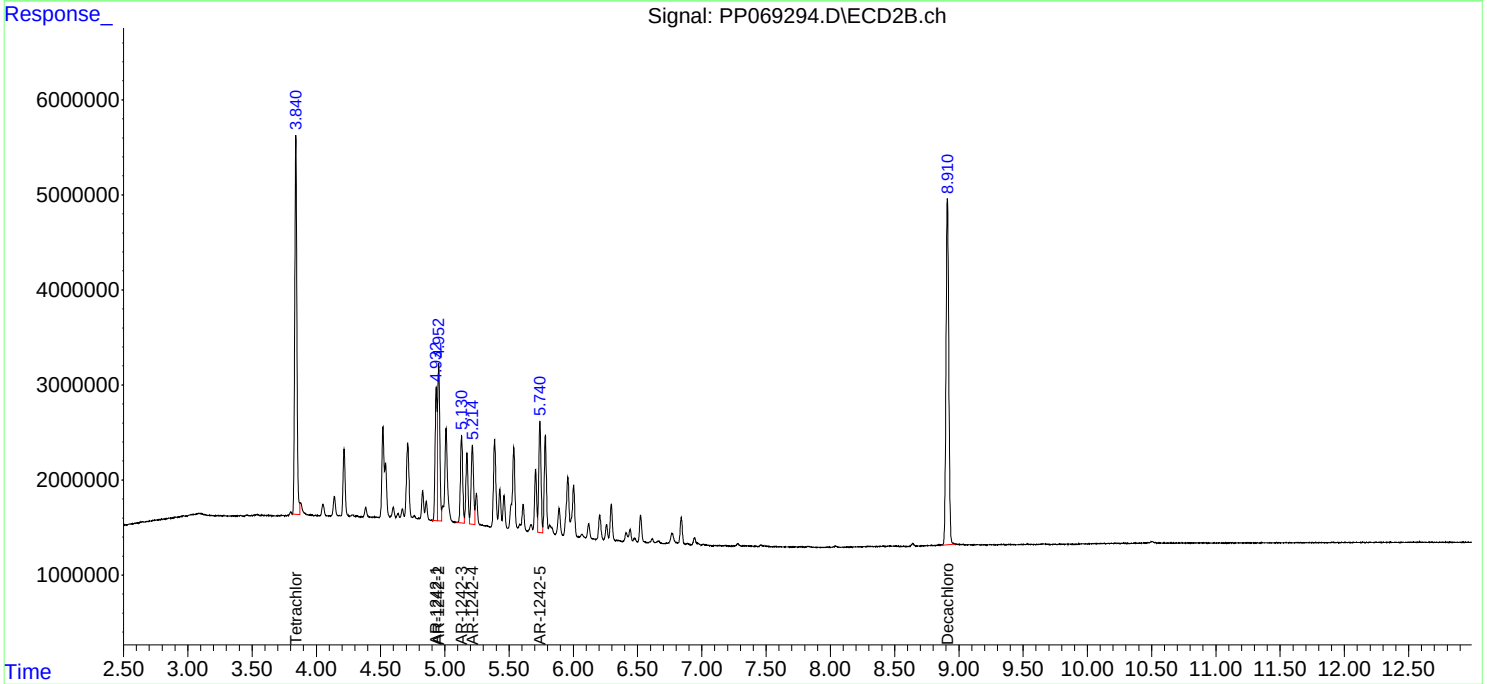
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:03
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

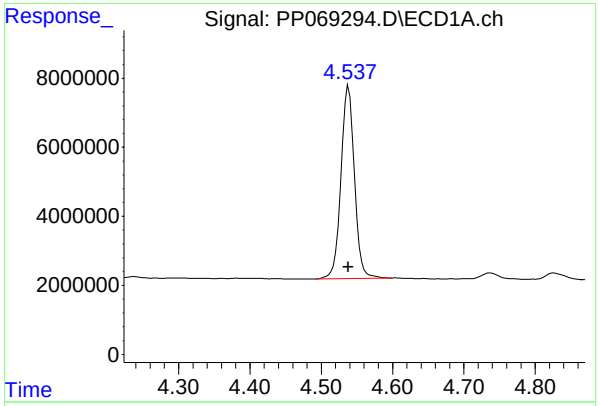
Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 18:13:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



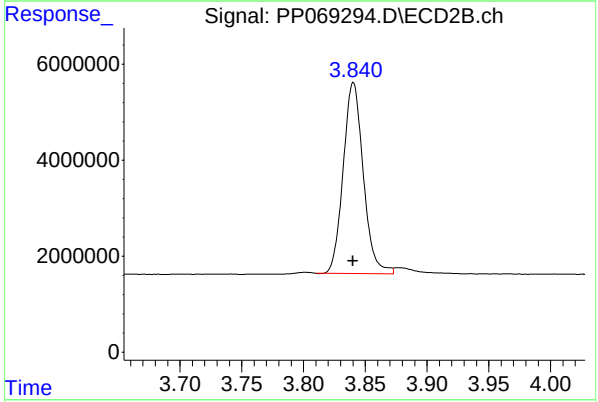




#1 Tetrachloro-m-xylene

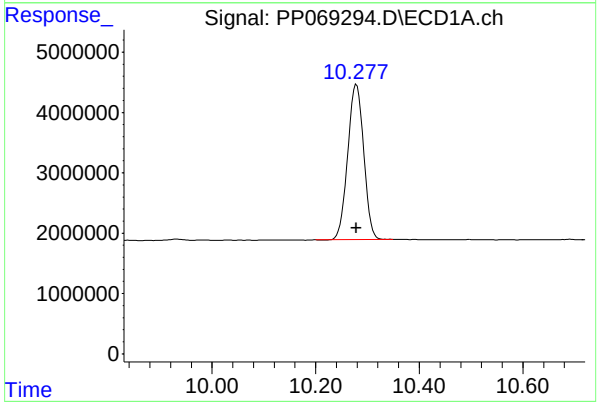
R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 73528508
Conc: 51.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242



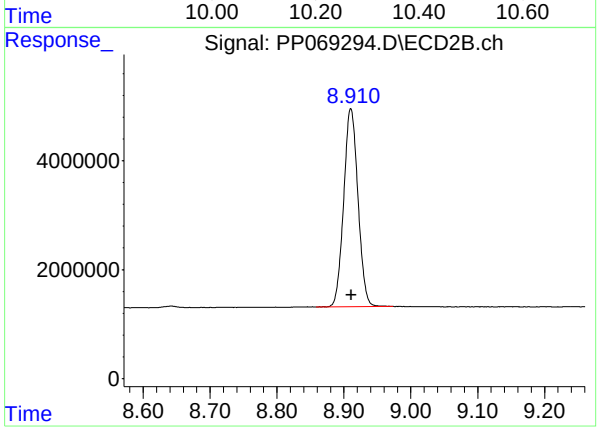
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 45074660
Conc: 50.50 ng/ml



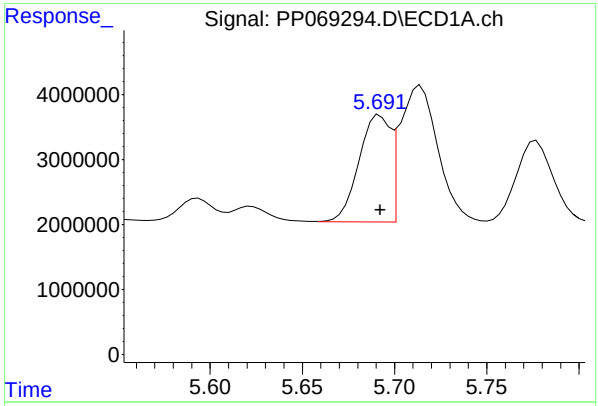
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 55006808
Conc: 50.33 ng/ml



#2 Decachlorobiphenyl

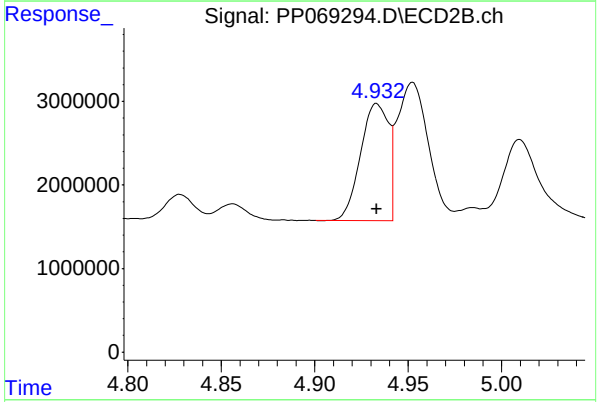
R.T.: 8.910 min
Delta R.T.: 0.000 min
Response: 53974487
Conc: 48.26 ng/ml



#16 AR-1242-1

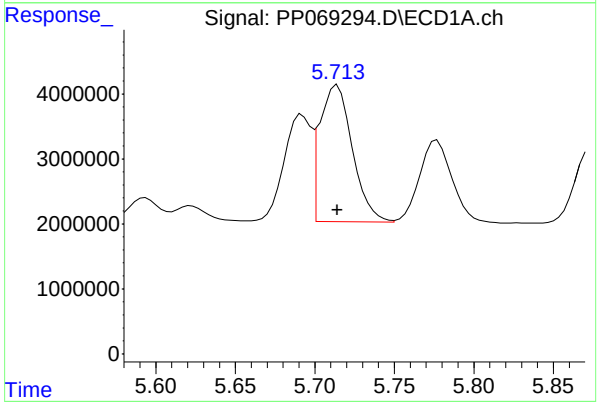
R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 19485743
Conc: 467.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242



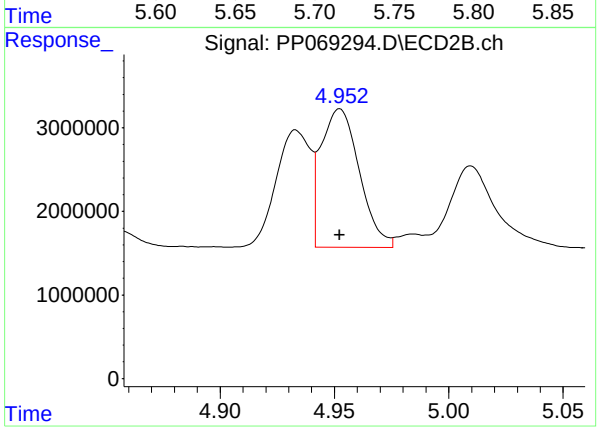
#16 AR-1242-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 14591085
Conc: 506.07 ng/ml



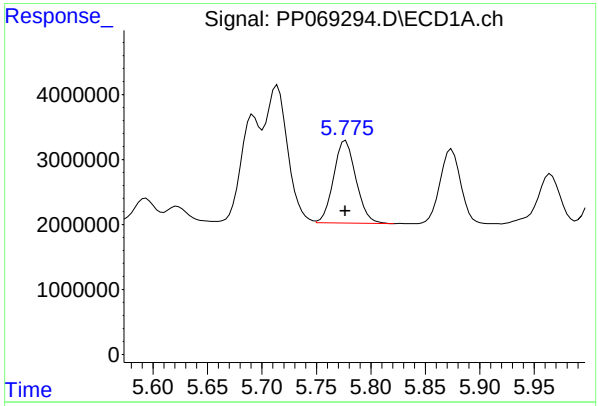
#17 AR-1242-2

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 30104171
Conc: 510.32 ng/ml



#17 AR-1242-2

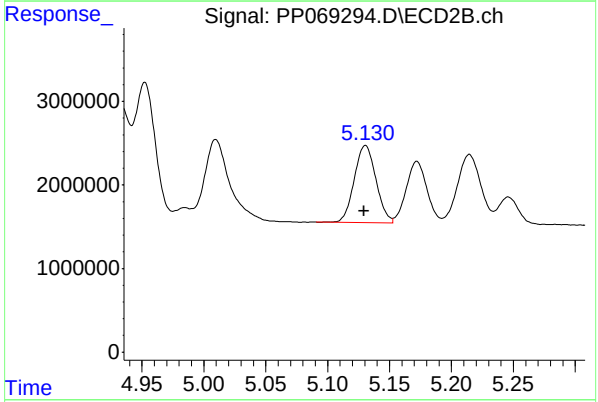
R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 19350019
Conc: 491.15 ng/ml



#18 AR-1242-3

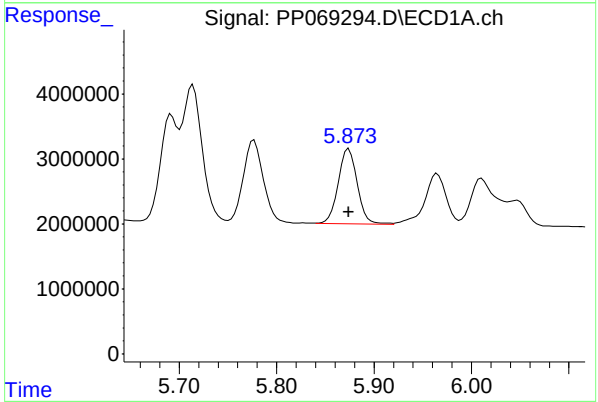
R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 18082829
Conc: 487.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242



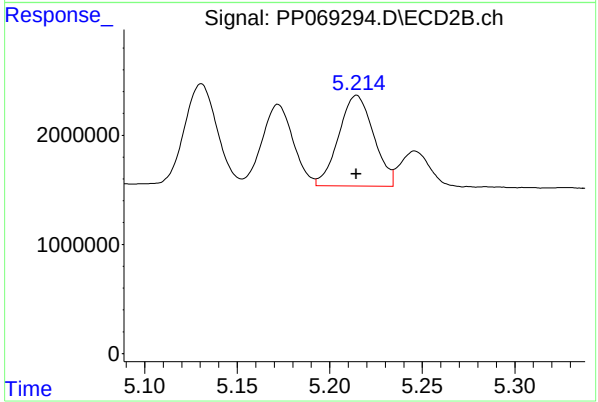
#18 AR-1242-3

R.T.: 5.131 min
Delta R.T.: 0.001 min
Response: 11274965
Conc: 501.02 ng/ml



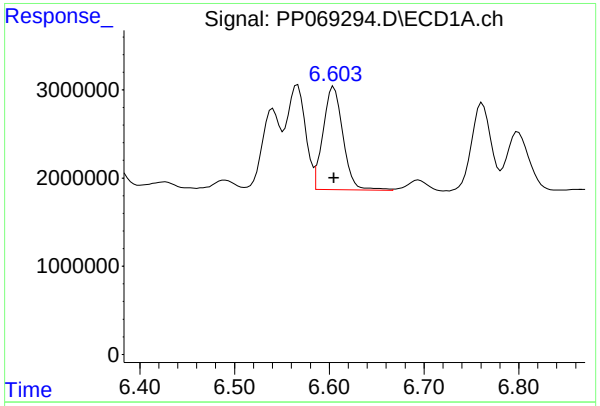
#19 AR-1242-4

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 15605992
Conc: 475.87 ng/ml



#19 AR-1242-4

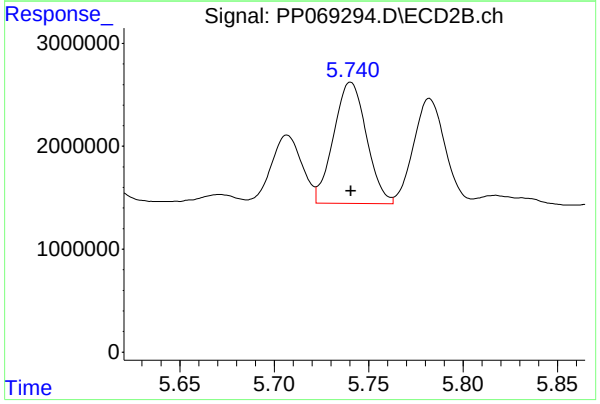
R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 10907868
Conc: 505.41 ng/ml



#20 AR-1242-5

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 17080730
Conc: 524.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242



#20 AR-1242-5

R.T.: 5.741 min
Delta R.T.: 0.000 min
Response: 14269255
Conc: 496.01 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.536	3.840	73116696	46870709	51.078	52.514
2)	SA Decachlor...	10.276	8.911	54874423	54998654	50.210	49.172
	Target Compounds						
21)	L5 AR-1248-1	5.689	4.933	15598439	11058451	480.854	502.416
22)	L5 AR-1248-2	5.962	5.171	21644853	14938470	509.934	496.879
23)	L5 AR-1248-3	6.165	5.214	23663172	15456967	503.609	498.865
24)	L5 AR-1248-4	6.564	5.387	28089077	18100081	509.587	489.937
25)	L5 AR-1248-5	6.603	5.782	26798161	19153345	501.991	512.267

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

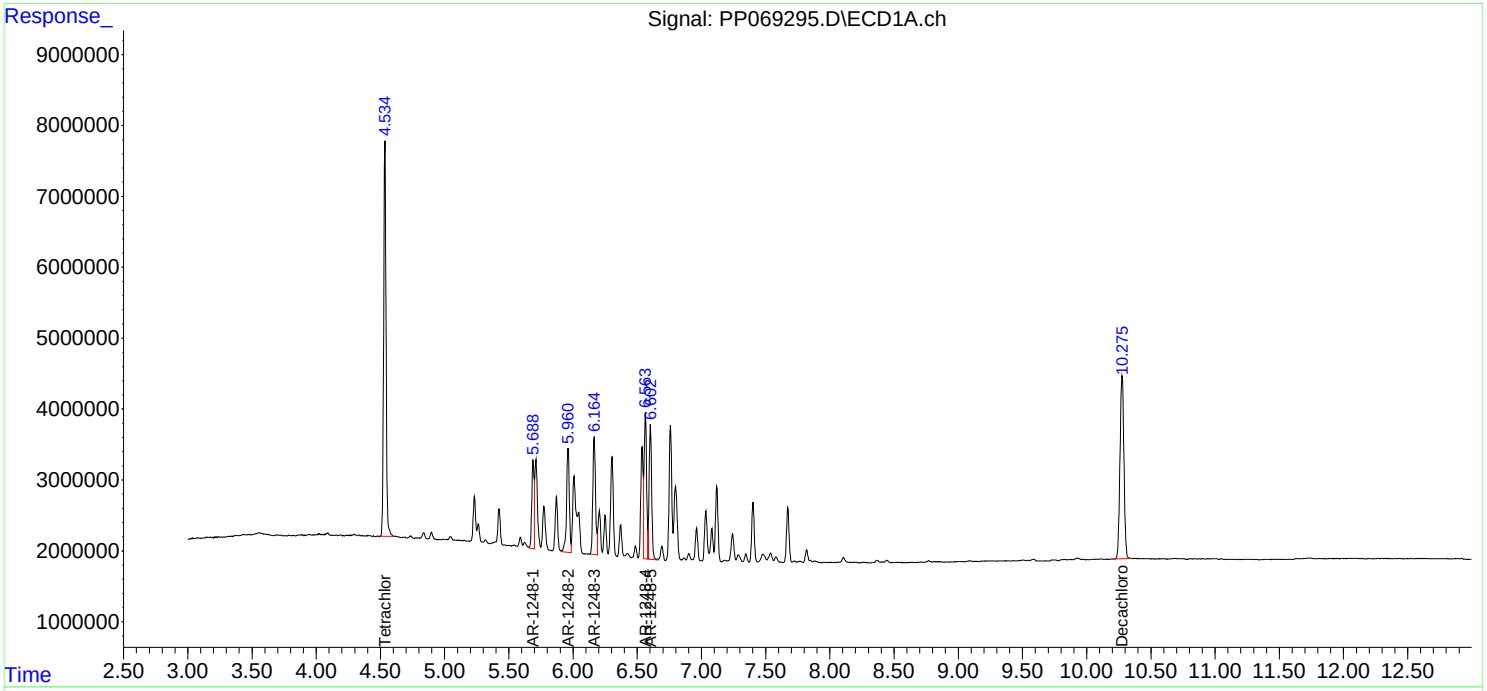
ICAL Form

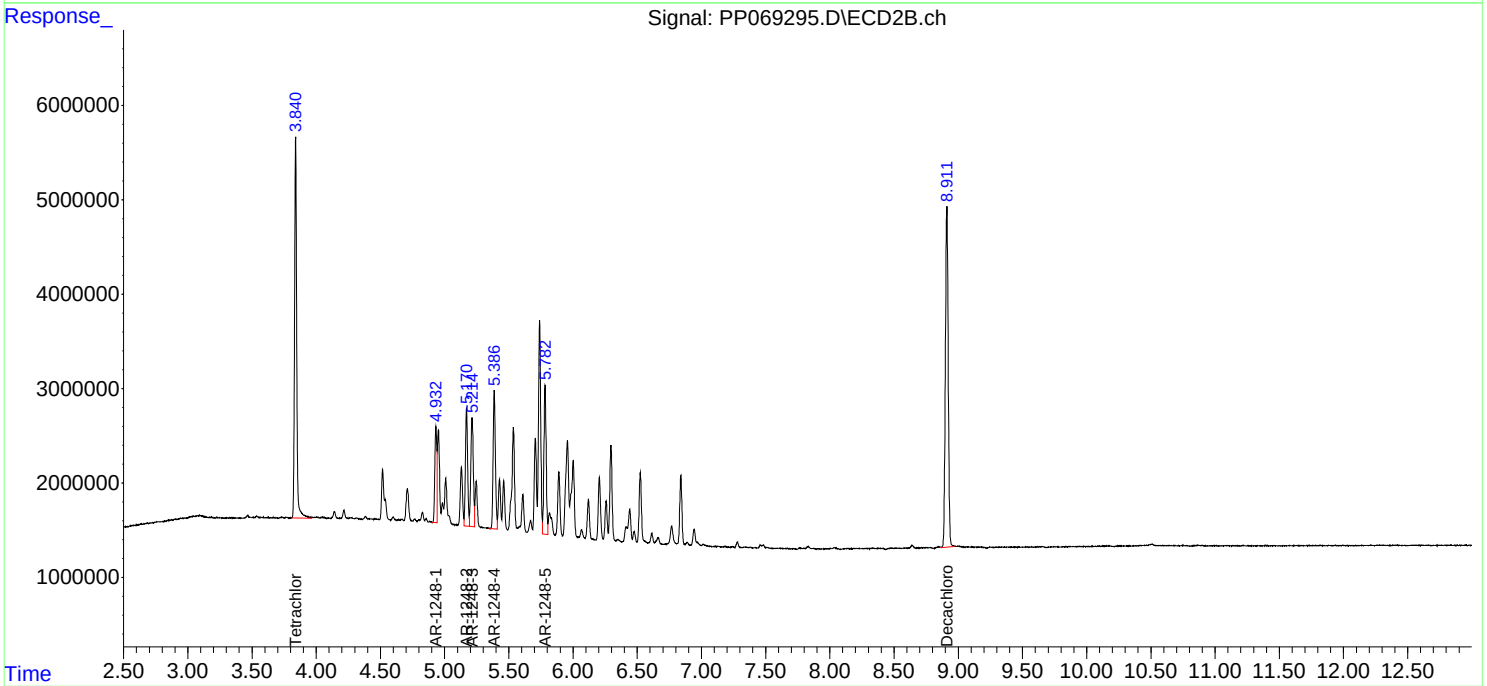
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

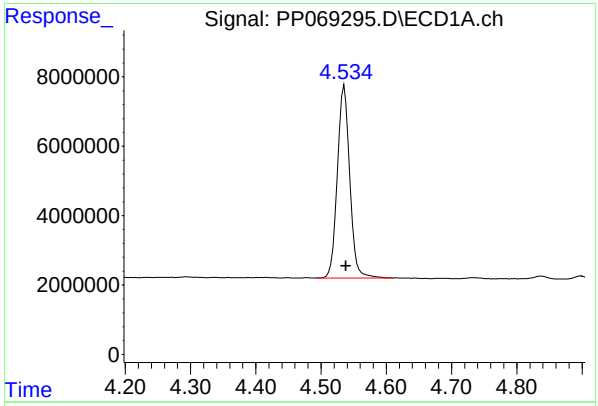
Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



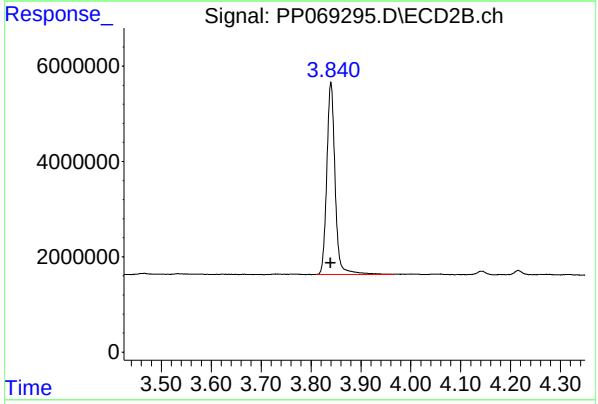




#1 Tetrachloro-m-xylene

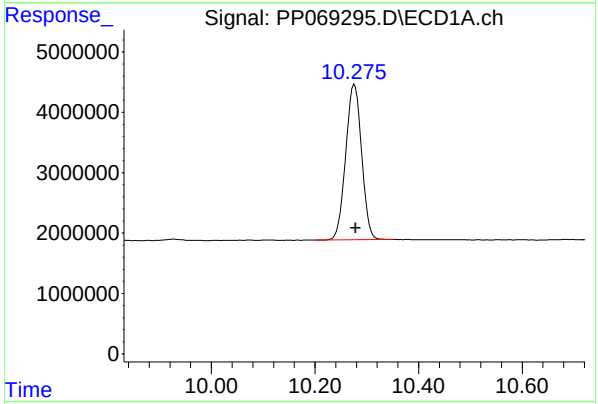
R.T.: 4.536 min
Delta R.T.: -0.002 min
Response: 73116696
Conc: 51.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248



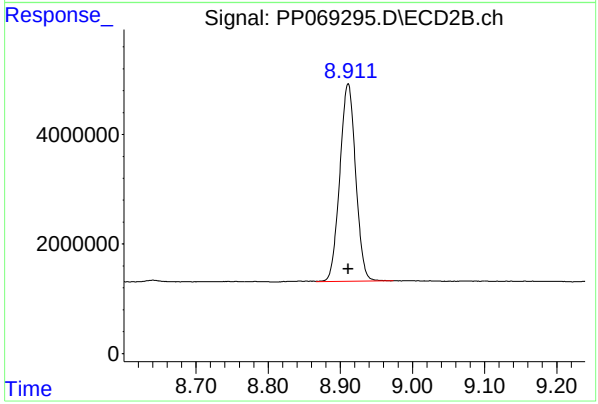
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 46870709
Conc: 52.51 ng/ml



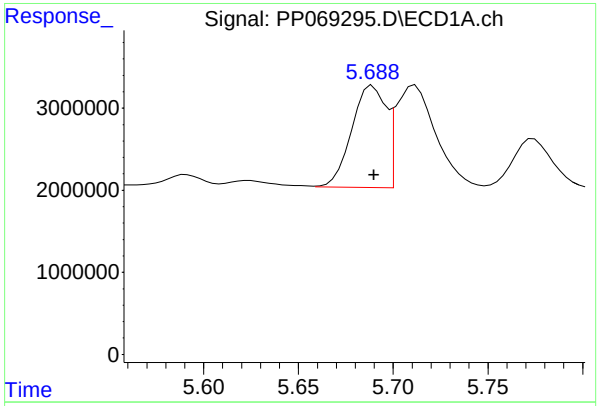
#2 Decachlorobiphenyl

R.T.: 10.276 min
Delta R.T.: -0.002 min
Response: 54874423
Conc: 50.21 ng/ml



#2 Decachlorobiphenyl

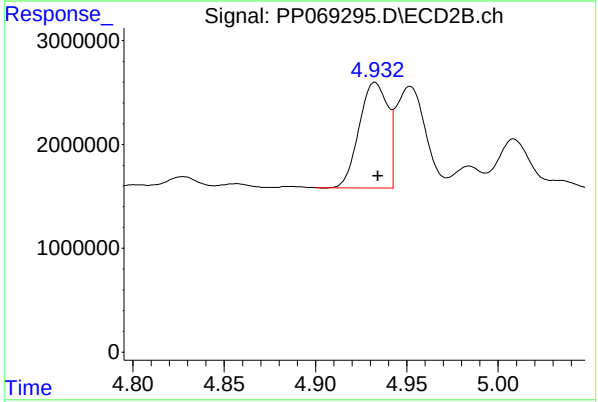
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 54998654
Conc: 49.17 ng/ml



#21 AR-1248-1

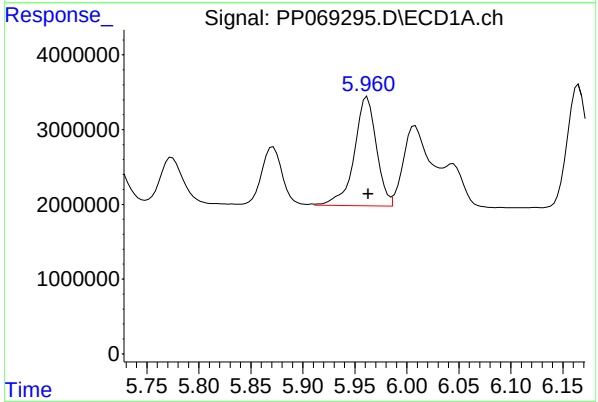
R.T.: 5.689 min
Delta R.T.: 0.000 mi
Response: 15598439
Conc: 480.85 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248



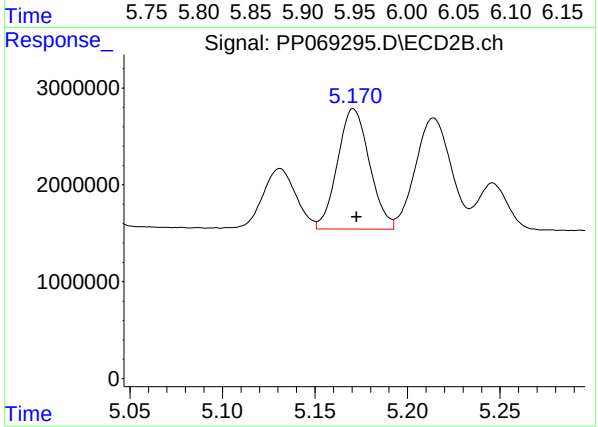
#21 AR-1248-1

R.T.: 4.933 min
Delta R.T.: -0.001 min
Response: 11058451
Conc: 502.42 ng/ml



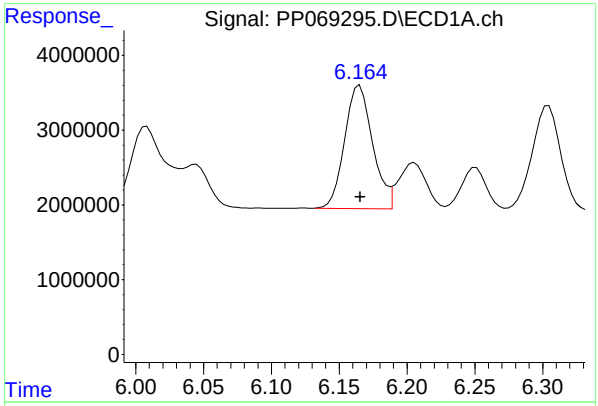
#22 AR-1248-2

R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 21644853
Conc: 509.93 ng/ml



#22 AR-1248-2

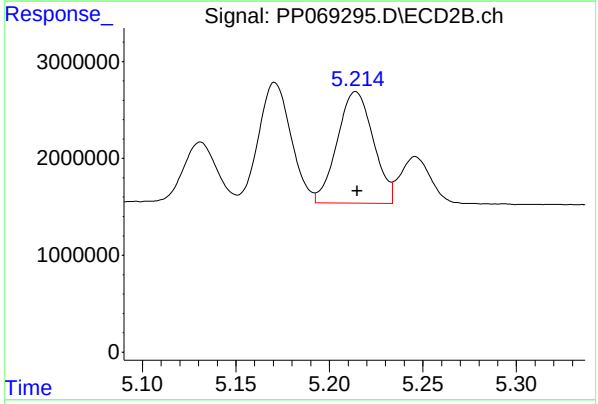
R.T.: 5.171 min
Delta R.T.: -0.002 min
Response: 14938470
Conc: 496.88 ng/ml



#23 AR-1248-3

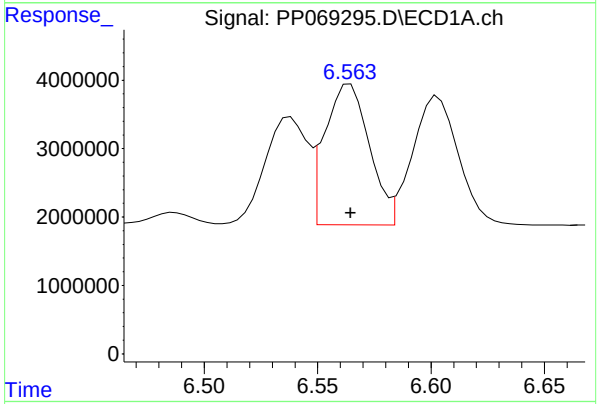
R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 23663172
Conc: 503.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248



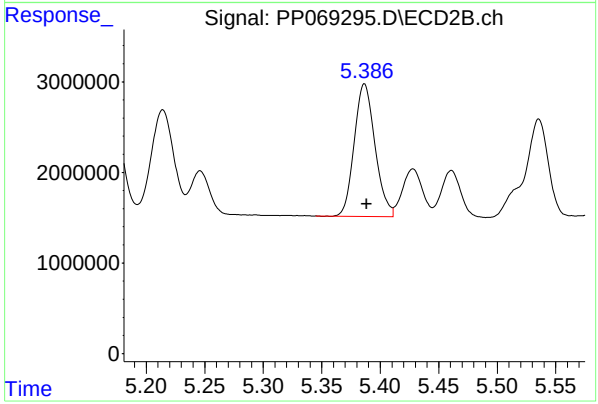
#23 AR-1248-3

R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 15456967
Conc: 498.86 ng/ml



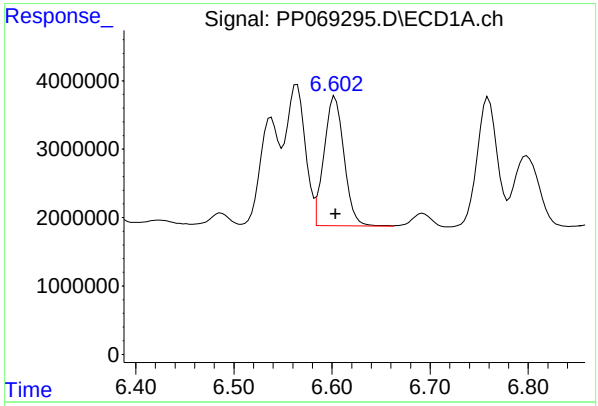
#24 AR-1248-4

R.T.: 6.564 min
Delta R.T.: 0.000 min
Response: 28089077
Conc: 509.59 ng/ml



#24 AR-1248-4

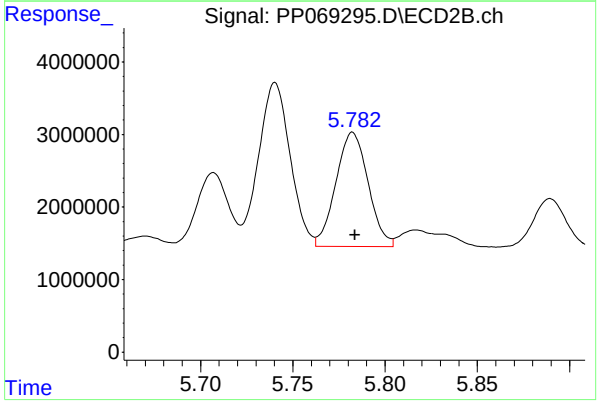
R.T.: 5.387 min
Delta R.T.: -0.002 min
Response: 18100081
Conc: 489.94 ng/ml



#25 AR-1248-5

R.T.: 6.603 min
Delta R.T.: 0.000 mi
Response: 26798161
Conc: 501.99 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248



#25 AR-1248-5

R.T.: 5.782 min
Delta R.T.: -0.001 min
Response: 19153345
Conc: 512.27 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:36
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.535	3.841	75219849	47633402	52.547	53.368
2)	SA Decachlor...	10.276	8.911	56766283	55190324	51.941	49.344
	Target Compounds						
26)	L6 AR-1254-1	6.540	5.742	28707670	28691321	496.126	521.132
27)	L6 AR-1254-2	6.756	5.890	41367594	25067661	515.536	518.261
28)	L6 AR-1254-3	7.119	6.296	42558996	39270545	504.921	517.425
29)	L6 AR-1254-4	7.401	6.524	34204619	25829239	501.623	503.988
30)	L6 AR-1254-5	7.819	6.944	35322701	34643725	519.099	520.485

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

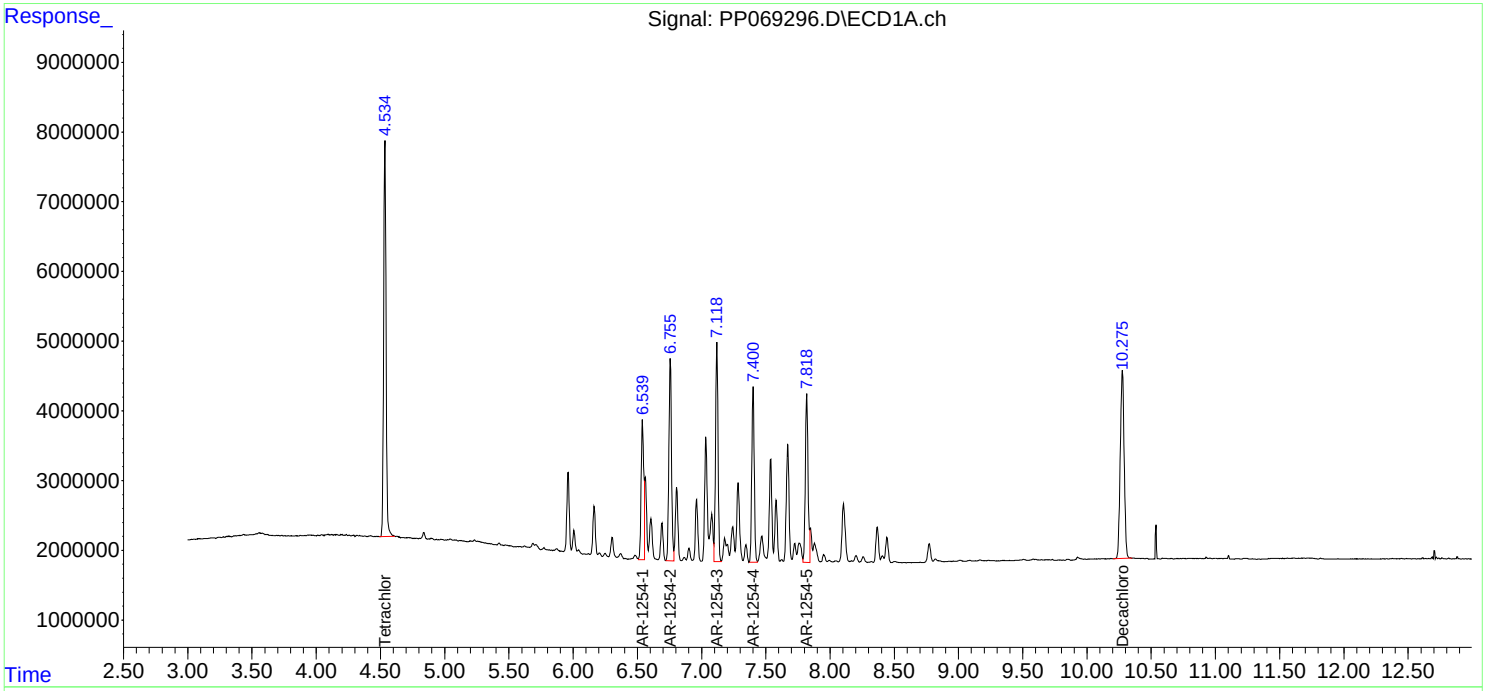
ICAL Form

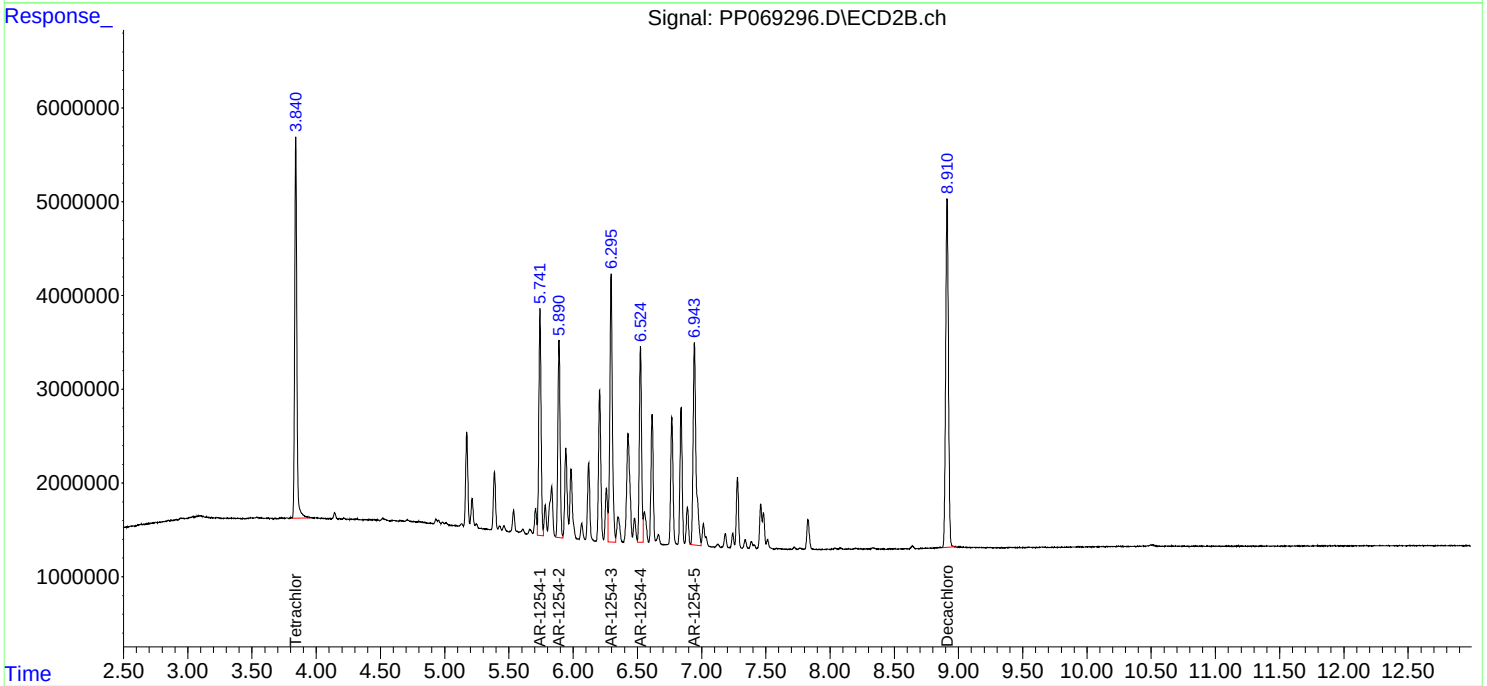
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:36
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

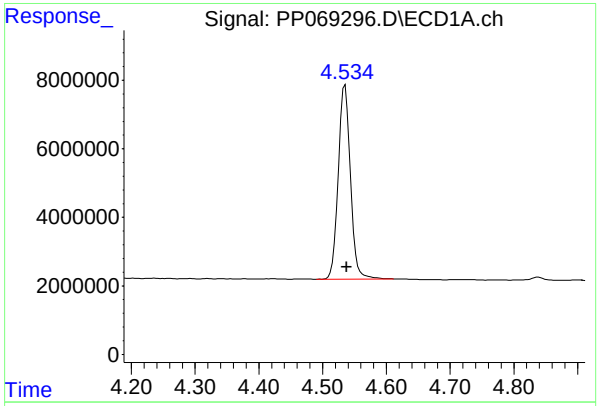
Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



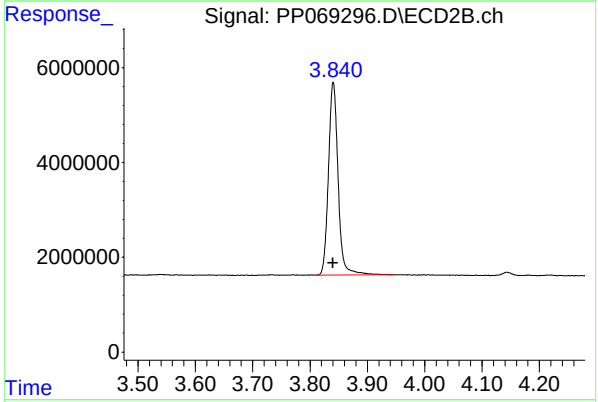




#1 Tetrachloro-m-xylene

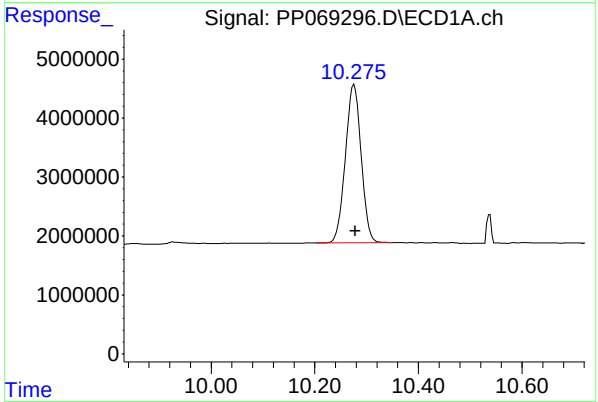
R.T.: 4.535 min
Delta R.T.: -0.003 min
Response: 75219849
Conc: 52.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254



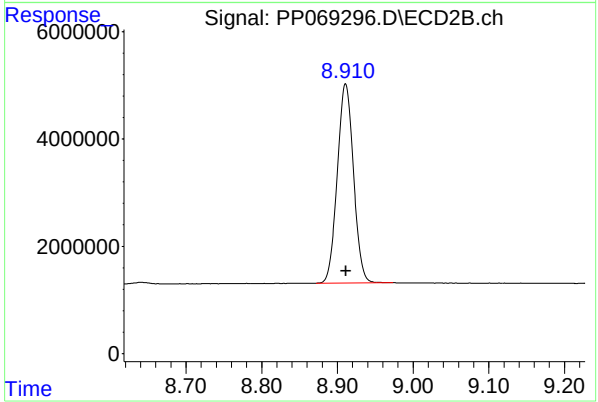
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 47633402
Conc: 53.37 ng/ml



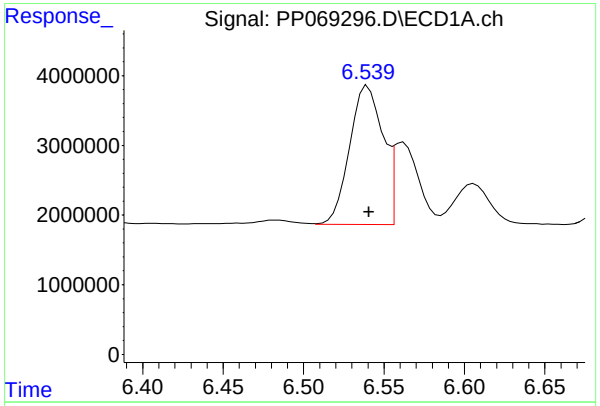
#2 Decachlorobiphenyl

R.T.: 10.276 min
Delta R.T.: -0.003 min
Response: 56766283
Conc: 51.94 ng/ml



#2 Decachlorobiphenyl

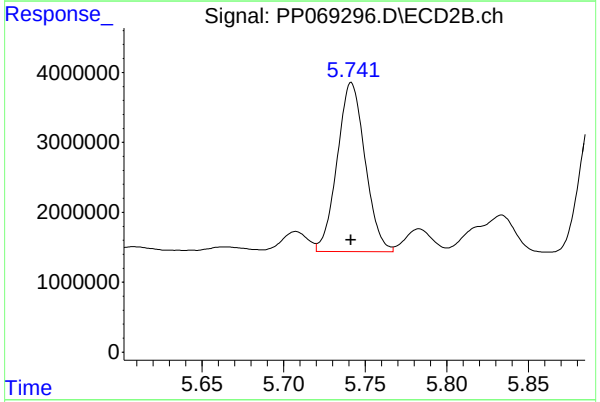
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 55190324
Conc: 49.34 ng/ml



#26 AR-1254-1

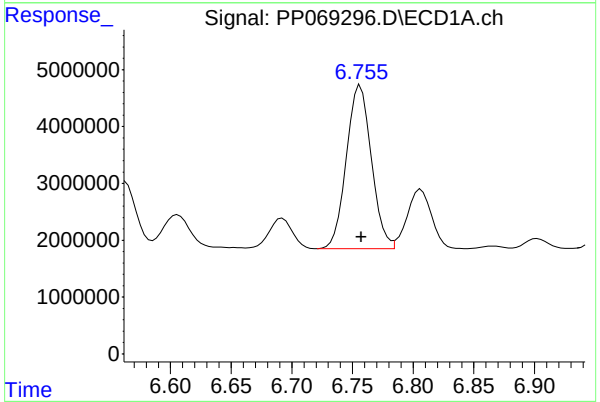
R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 28707670
Conc: 496.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254



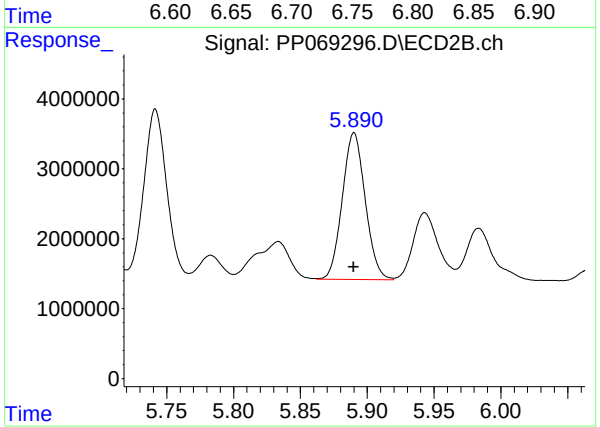
#26 AR-1254-1

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 28691321
Conc: 521.13 ng/ml



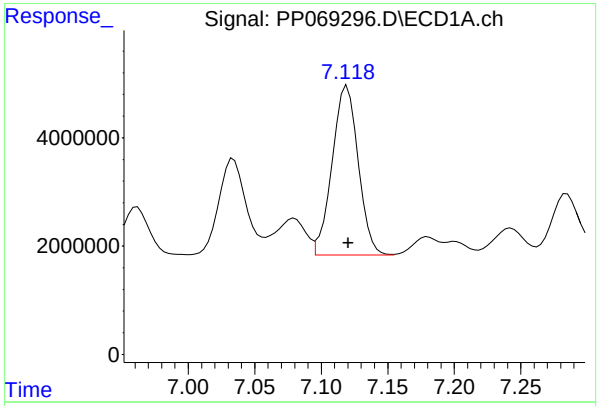
#27 AR-1254-2

R.T.: 6.756 min
Delta R.T.: 0.000 min
Response: 41367594
Conc: 515.54 ng/ml



#27 AR-1254-2

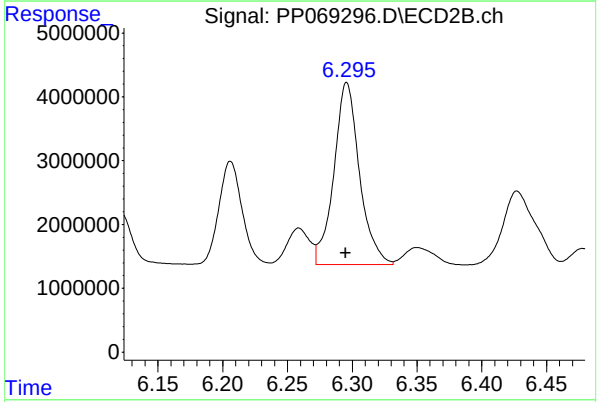
R.T.: 5.890 min
Delta R.T.: 0.000 min
Response: 25067661
Conc: 518.26 ng/ml



#28 AR-1254-3

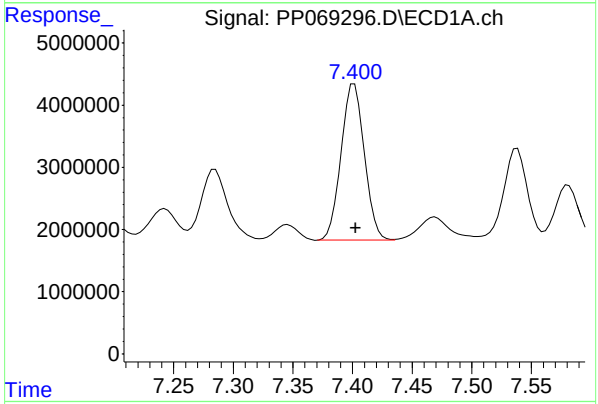
R.T.: 7.119 min
Delta R.T.: -0.001 min
Response: 42558996
Conc: 504.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254



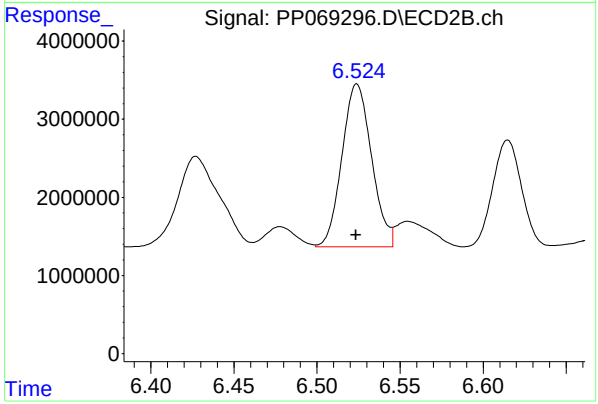
#28 AR-1254-3

R.T.: 6.296 min
Delta R.T.: 0.000 min
Response: 39270545
Conc: 517.43 ng/ml



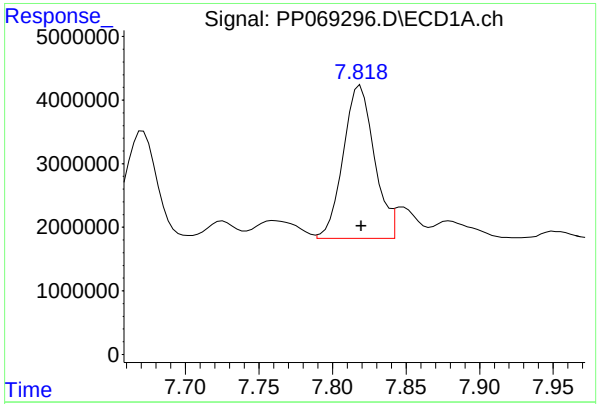
#29 AR-1254-4

R.T.: 7.401 min
Delta R.T.: -0.001 min
Response: 34204619
Conc: 501.62 ng/ml



#29 AR-1254-4

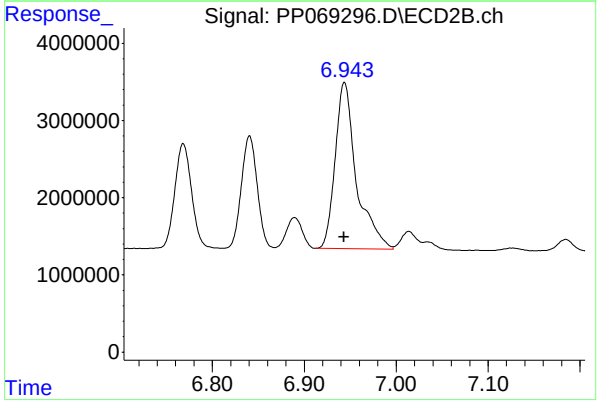
R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 25829239
Conc: 503.99 ng/ml



#30 AR-1254-5

R.T.: 7.819 min
Delta R.T.: 0.000 min
Response: 35322701
Conc: 519.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254



#30 AR-1254-5

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 34643725
Conc: 520.49 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:13:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.538	3.841	77280071	49699162	50.272	50.526
2)	SA Decachlor...	10.280	8.912	95822270	95389498	49.885	49.598
	Target Compounds						
41)	L9 AR-1268-1	8.762	7.768	96955506	80683787	502.919	499.533
42)	L9 AR-1268-2	8.856	7.833	86693119	73752405	504.918	495.889
43)	L9 AR-1268-3	9.091	8.041	73577850	63724602	501.283	501.698
44)	L9 AR-1268-4	9.513	8.335	33018344	29034055	510.432	493.868
45)	L9 AR-1268-5	9.933	8.643	207.8E6	195.6E6	501.326	499.439

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

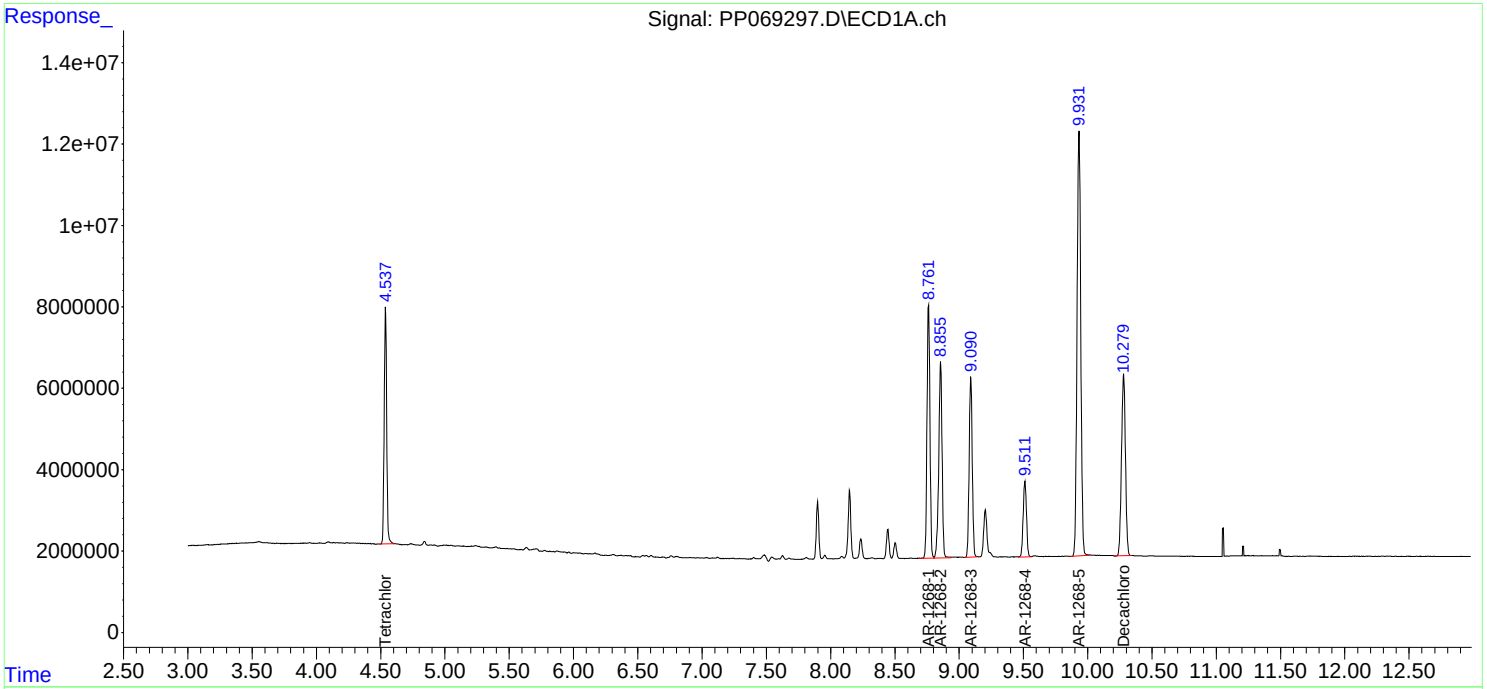
ICAL Form

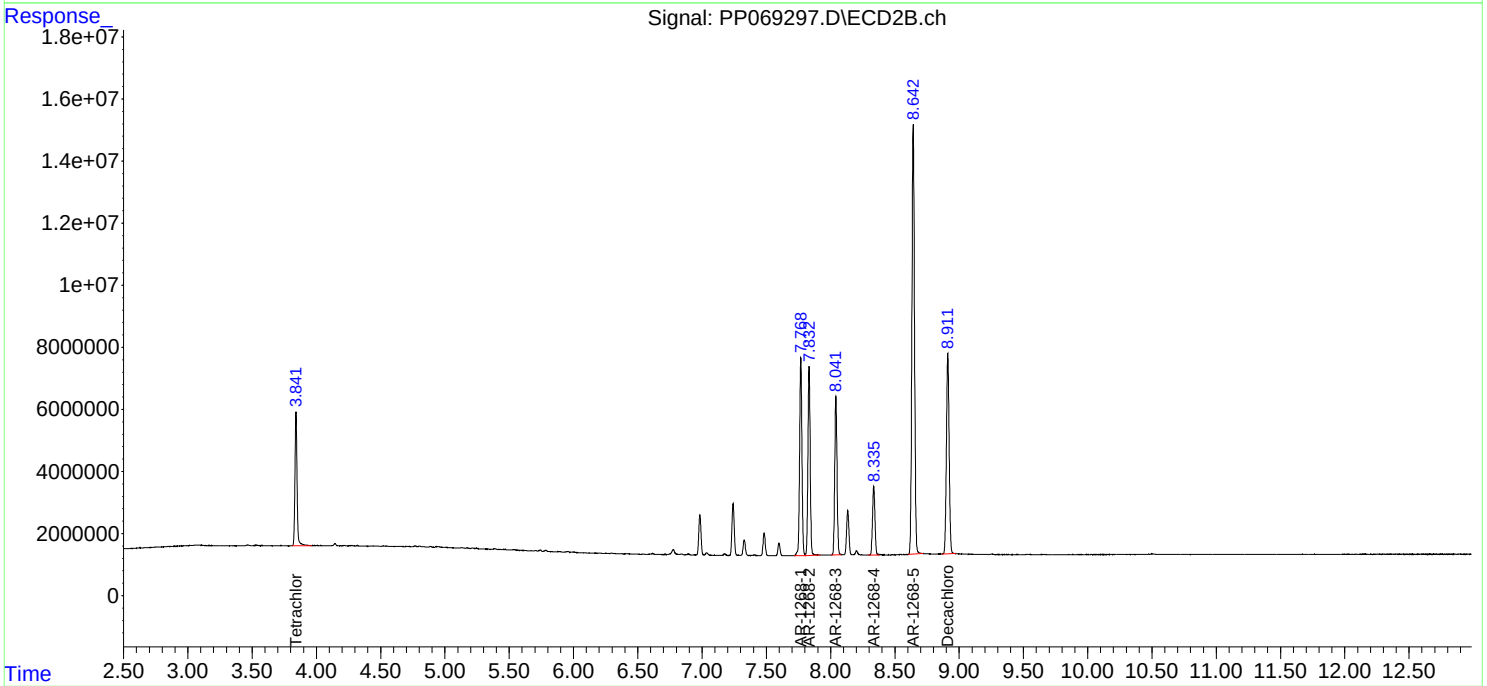
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

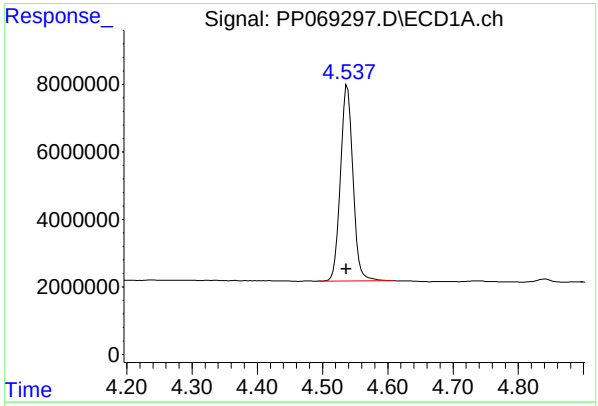
Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:13:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



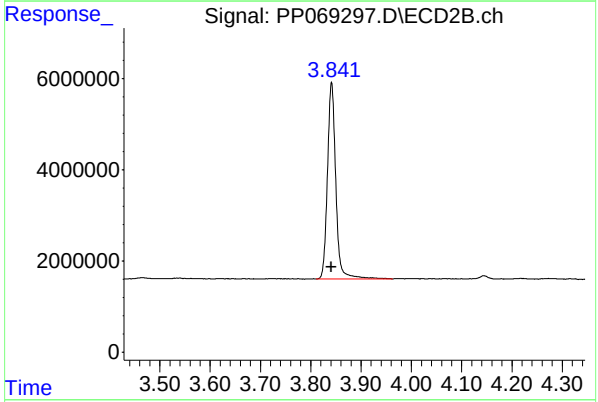




#1 Tetrachloro-m-xylene

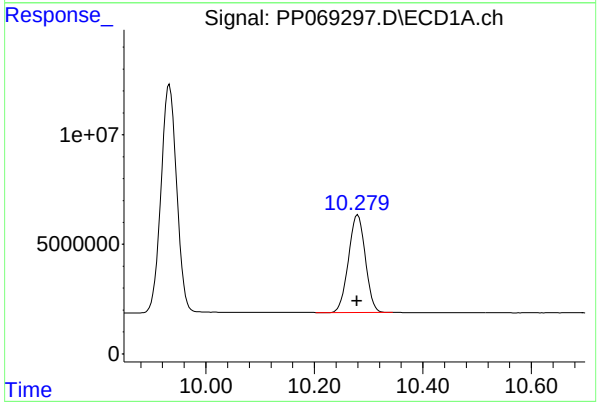
R.T.: 4.538 min
Delta R.T.: 0.002 min
Response: 77280071
Conc: 50.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268



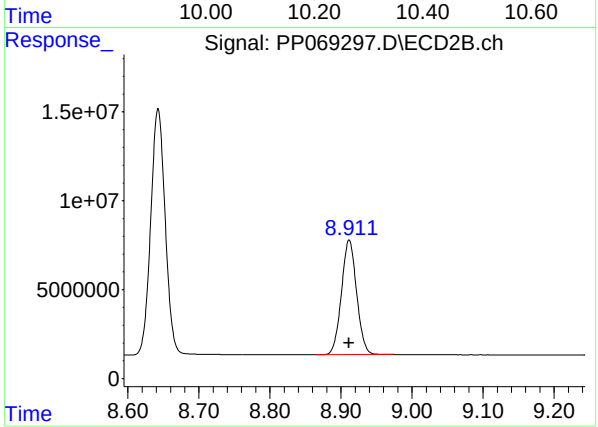
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 49699162
Conc: 50.53 ng/ml



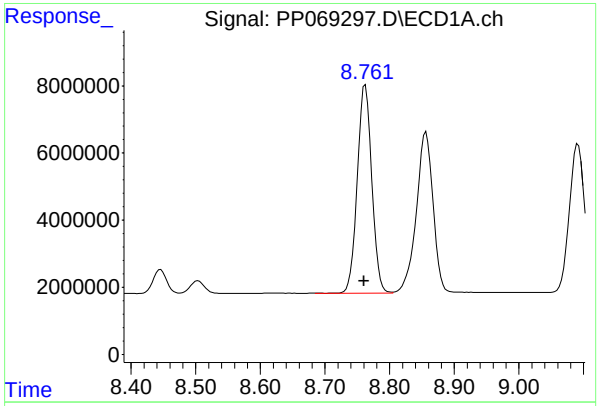
#2 Decachlorobiphenyl

R.T.: 10.280 min
Delta R.T.: 0.001 min
Response: 95822270
Conc: 49.89 ng/ml



#2 Decachlorobiphenyl

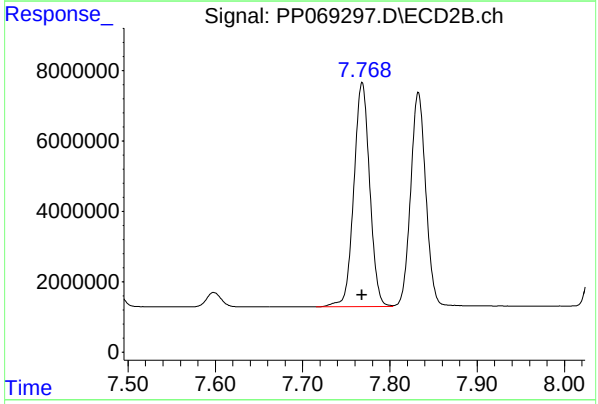
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 95389498
Conc: 49.60 ng/ml



#41 AR-1268-1

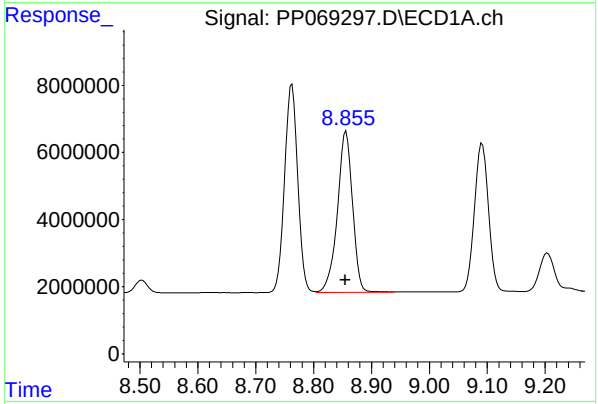
R.T.: 8.762 min
Delta R.T.: 0.002 min
Response: 96955506
Conc: 502.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268



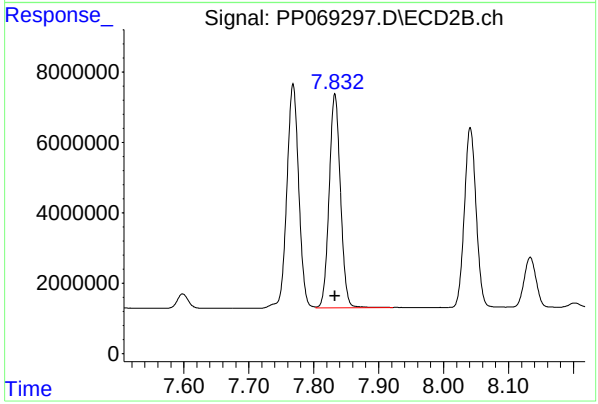
#41 AR-1268-1

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 80683787
Conc: 499.53 ng/ml



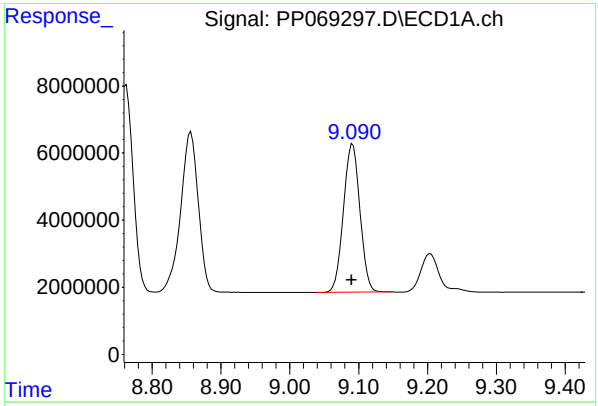
#42 AR-1268-2

R.T.: 8.856 min
Delta R.T.: 0.002 min
Response: 86693119
Conc: 504.92 ng/ml



#42 AR-1268-2

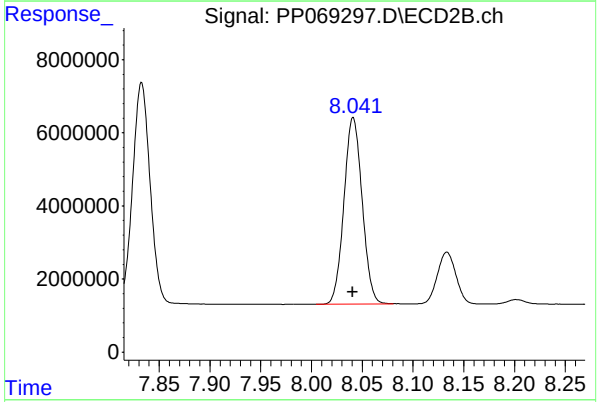
R.T.: 7.833 min
Delta R.T.: 0.000 min
Response: 73752405
Conc: 495.89 ng/ml



#43 AR-1268-3

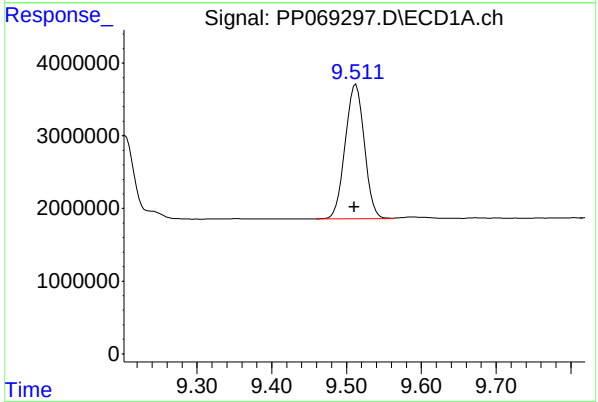
R.T.: 9.091 min
Delta R.T.: 0.002 min
Response: 73577850
Conc: 501.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268



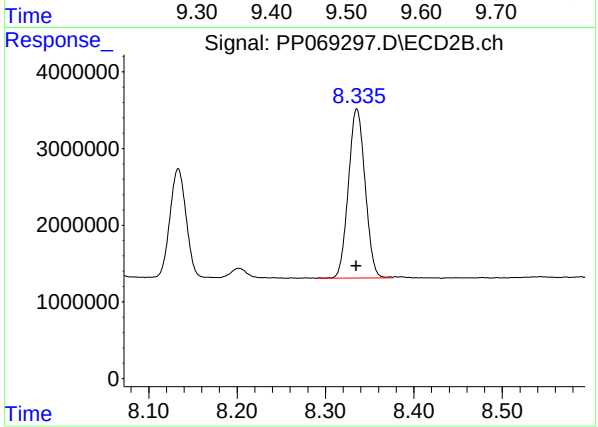
#43 AR-1268-3

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 63724602
Conc: 501.70 ng/ml



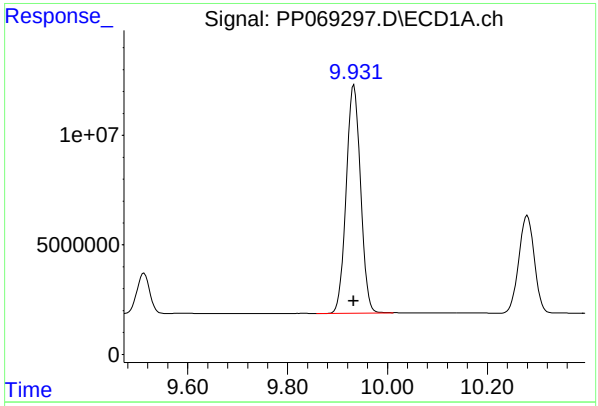
#44 AR-1268-4

R.T.: 9.513 min
Delta R.T.: 0.003 min
Response: 33018344
Conc: 510.43 ng/ml



#44 AR-1268-4

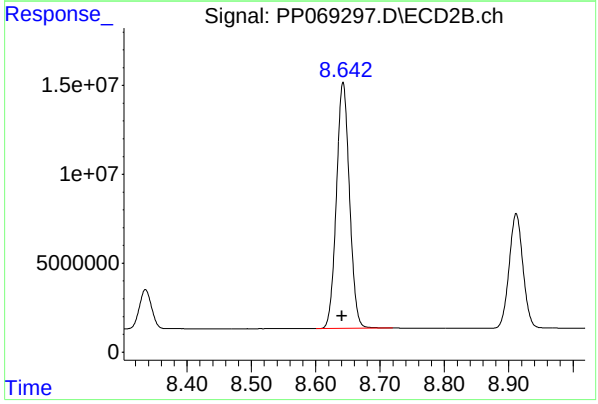
R.T.: 8.335 min
Delta R.T.: 0.000 min
Response: 29034055
Conc: 493.87 ng/ml



#45 AR-1268-5

R.T.: 9.933 min
Delta R.T.: 0.000 mi
Response: 207800294
Conc: 501.33 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268



#45 AR-1268-5

R.T.: 8.643 min
Delta R.T.: 0.001 min
Response: 195613558
Conc: 499.44 ng/ml

Raw Data: **PP069827.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 08:26 **Initial Calibration Time(s):** 09:37 17:30

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	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.77	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.16	6.17	6.07	6.27	0.01
Aroclor-1260-1	(1)	7.28	7.29	7.19	7.39	0.01
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.89	7.90	7.80	8.00	0.01
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.53	4.54	4.44	4.64	0.01
Decachlorobiphenyl		10.26	10.28	10.18	10.38	0.02

Raw Data: **PP069827.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 08:26 **Initial Calibration Time(s):** 09:37 17:30

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)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.38	5.39	5.29	5.49	0.01
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.76	6.77	6.67	6.87	0.01
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069827.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069827.D **Time Analyzed:** 08:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.681	5.592	5.792	529.780	500.000	6.0
Aroclor-1016-2	5.703	5.614	5.814	528.780	500.000	5.8
Aroclor-1016-3	5.765	5.676	5.876	511.600	500.000	2.3
Aroclor-1016-4	5.863	5.774	5.974	525.620	500.000	5.1
Aroclor-1016-5	6.156	6.067	6.267	502.060	500.000	0.4
Aroclor-1260-1	7.275	7.187	7.387	512.000	500.000	2.4
Aroclor-1260-2	7.528	7.441	7.641	498.480	500.000	-0.3
Aroclor-1260-3	7.887	7.800	8.000	518.570	500.000	3.7
Aroclor-1260-4	8.111	8.025	8.225	497.790	500.000	-0.4
Aroclor-1260-5	8.432	8.347	8.547	504.810	500.000	1.0
Decachlorobiphenyl	10.256	10.179	10.379	52.810	50.000	5.6
Tetrachloro-m-xylene	4.528	4.438	4.638	55.800	50.000	11.6

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069827.D **Time Analyzed:** 08:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.922	4.834	5.034	509.540	500.000	1.9
Aroclor-1016-2	4.941	4.853	5.053	517.540	500.000	3.5
Aroclor-1016-3	5.119	5.030	5.230	536.100	500.000	7.2
Aroclor-1016-4	5.160	5.072	5.272	511.480	500.000	2.3
Aroclor-1016-5	5.375	5.288	5.488	531.380	500.000	6.3
Aroclor-1260-1	6.414	6.326	6.526	528.360	500.000	5.7
Aroclor-1260-2	6.601	6.515	6.715	544.530	500.000	8.9
Aroclor-1260-3	6.755	6.670	6.870	482.070	500.000	-3.6
Aroclor-1260-4	7.228	7.142	7.342	558.500	500.000	11.7
Aroclor-1260-5	7.468	7.384	7.584	567.610	500.000	13.5
Decachlorobiphenyl	8.890	8.811	9.011	51.320	50.000	2.6
Tetrachloro-m-xylene	3.832	3.740	3.940	53.680	50.000	7.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 08:26
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:56:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.832	79878399	47912020	55.801	53.681m
2) SA	Decachlor...	10.256	8.890	57721003	57398677	52.815	51.318
	Target Compounds						
3) L1	AR-1016-1	5.681	4.922	24546289	16618686	529.780	509.541m
4) L1	AR-1016-2	5.703	4.941	35892177	23267864	528.781	517.542
5) L1	AR-1016-3	5.765	5.119	21792585	13340233	511.604	536.097
6) L1	AR-1016-4	5.863	5.160	18396820	10329989	525.616	511.480
7) L1	AR-1016-5	6.156	5.375	16597299	14253728	502.058	531.382m
31) L7	AR-1260-1	7.275	6.414	29919445	25482579	512.001	528.361
32) L7	AR-1260-2	7.528	6.601	38788502	33381984	498.484	544.535
33) L7	AR-1260-3	7.887	6.755	32420694	28999648	518.571	482.071m
34) L7	AR-1260-4	8.111	7.228	32842365	25952369	497.787	558.503
35) L7	AR-1260-5	8.432	7.468	66092349	63086888	504.807	567.608

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 08:26
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

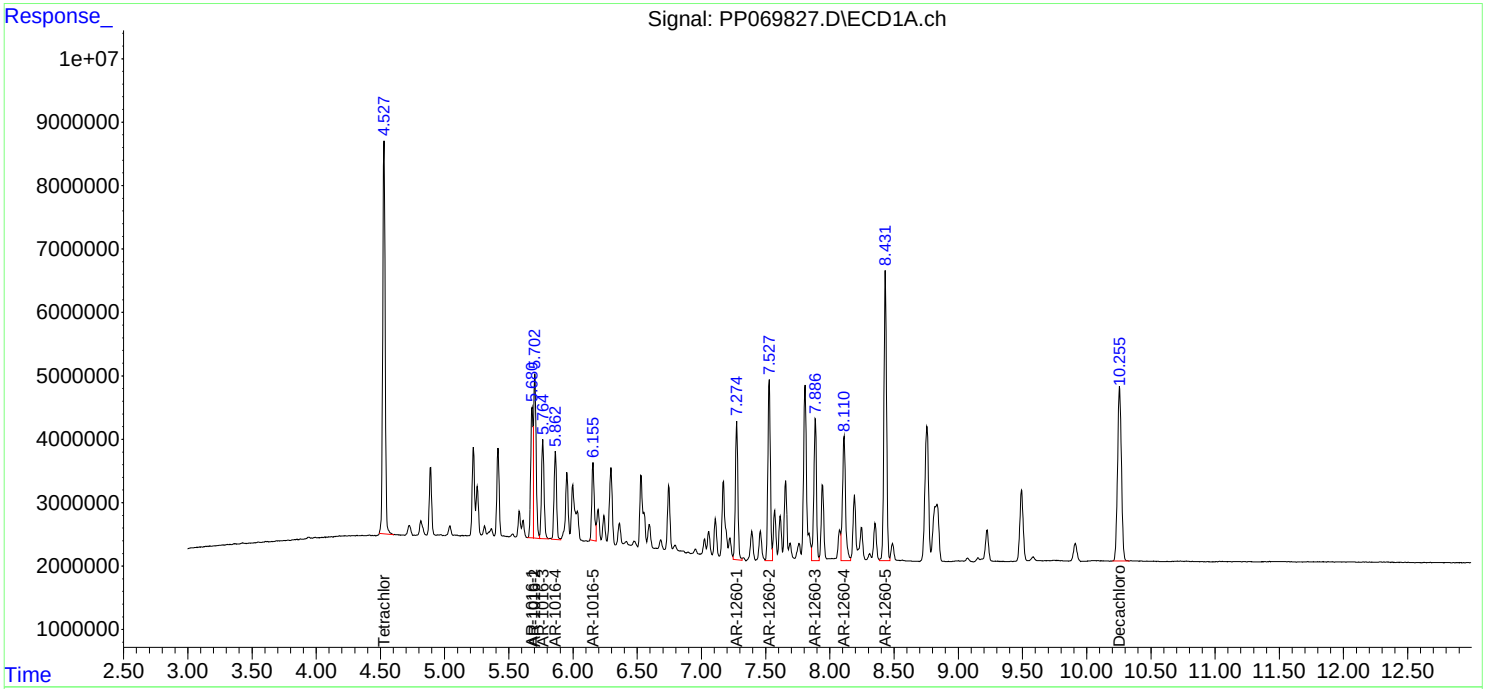
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

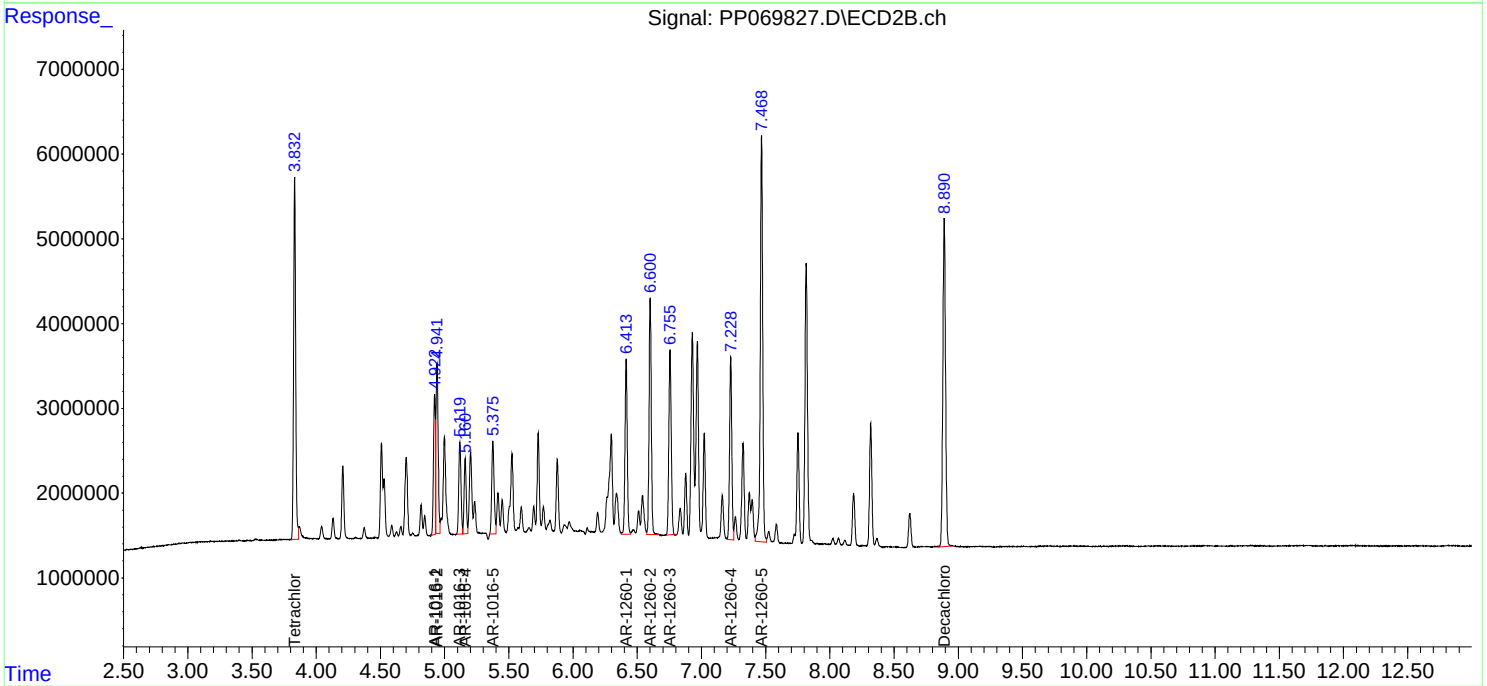
Manual Integrations APPROVED

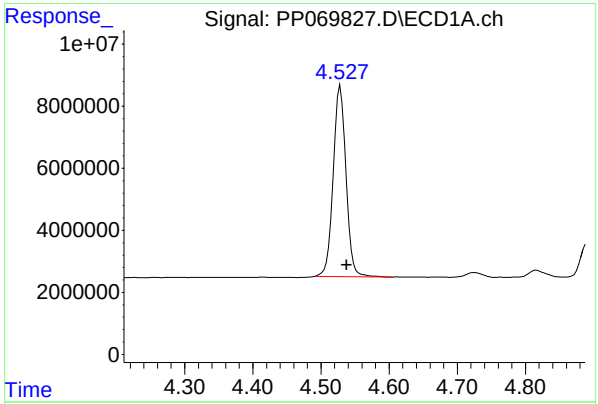
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:56:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







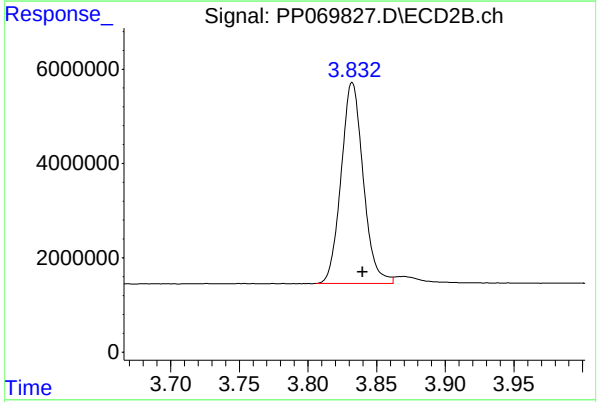
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: -0.010 min
Response: 79878399
Conc: 55.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

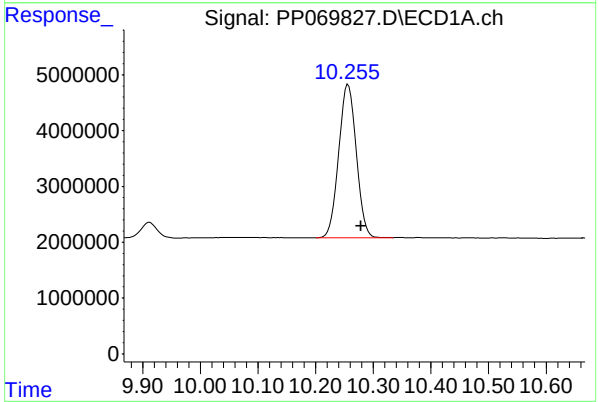
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



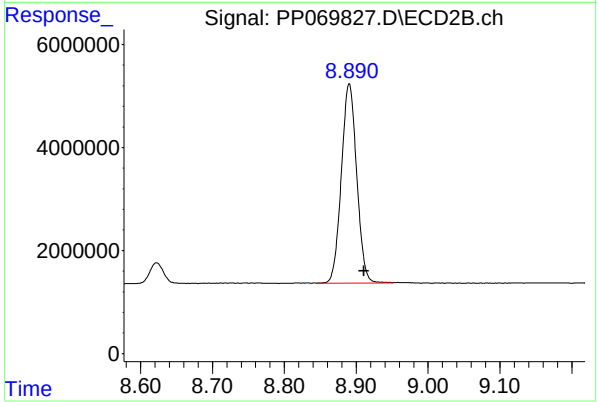
#1 Tetrachloro-m-xylene

R.T.: 3.832 min
Delta R.T.: -0.008 min
Response: 47912020
Conc: 53.68 ng/ml m



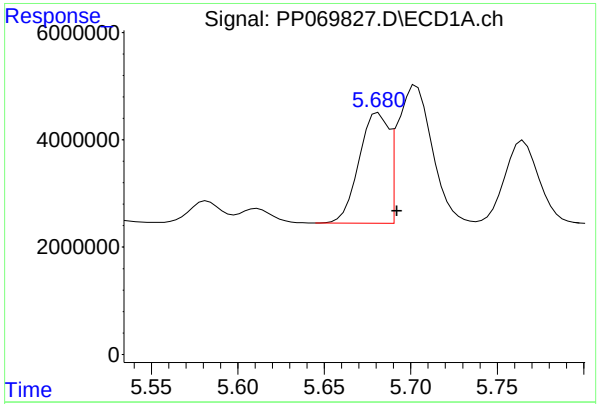
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.022 min
Response: 57721003
Conc: 52.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.890 min
Delta R.T.: -0.021 min
Response: 57398677
Conc: 51.32 ng/ml



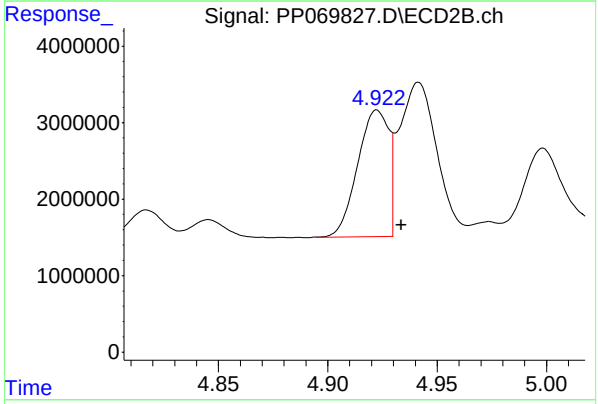
#3 AR-1016-1

R.T.: 5.681 min
Delta R.T.: -0.011 min
Response: 24546289
Conc: 529.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

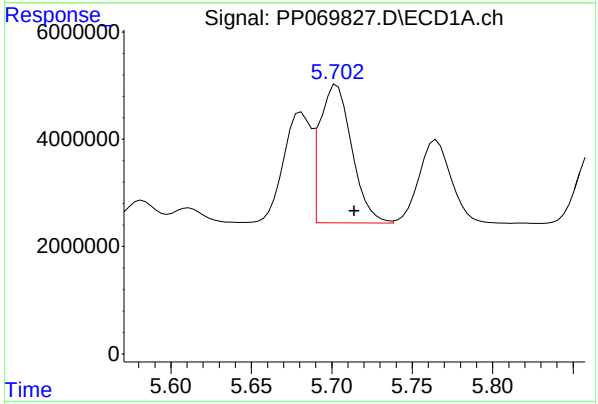
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



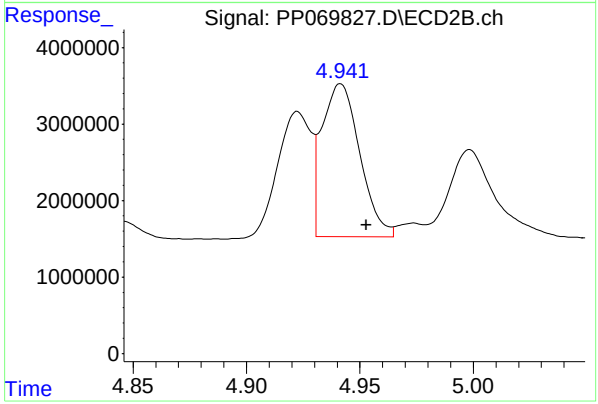
#3 AR-1016-1

R.T.: 4.922 min
Delta R.T.: -0.012 min
Response: 16618686
Conc: 509.54 ng/ml m



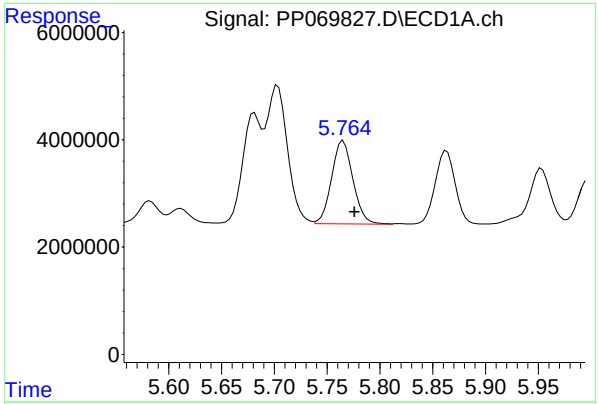
#4 AR-1016-2

R.T.: 5.703 min
Delta R.T.: -0.011 min
Response: 35892177
Conc: 528.78 ng/ml



#4 AR-1016-2

R.T.: 4.941 min
Delta R.T.: -0.011 min
Response: 23267864
Conc: 517.54 ng/ml



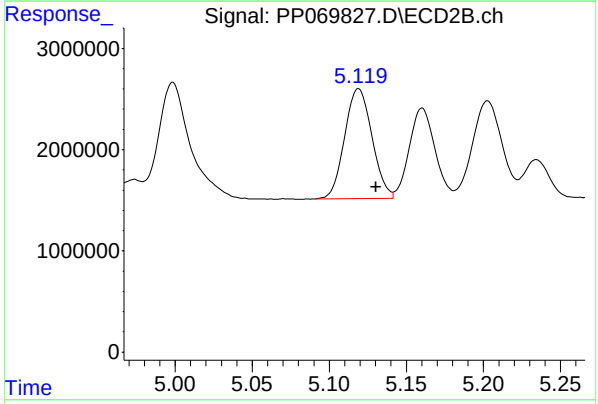
#5 AR-1016-3

R.T.: 5.765 min
Delta R.T.: -0.011 min
Response: 21792585
Conc: 511.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

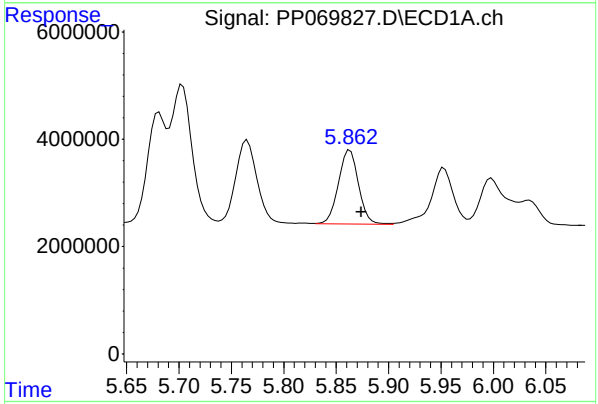
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



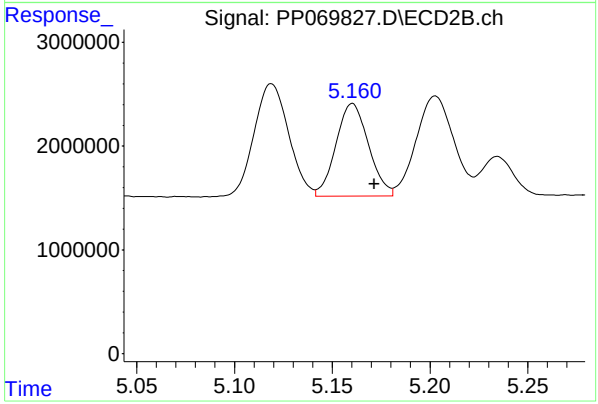
#5 AR-1016-3

R.T.: 5.119 min
Delta R.T.: -0.011 min
Response: 13340233
Conc: 536.10 ng/ml



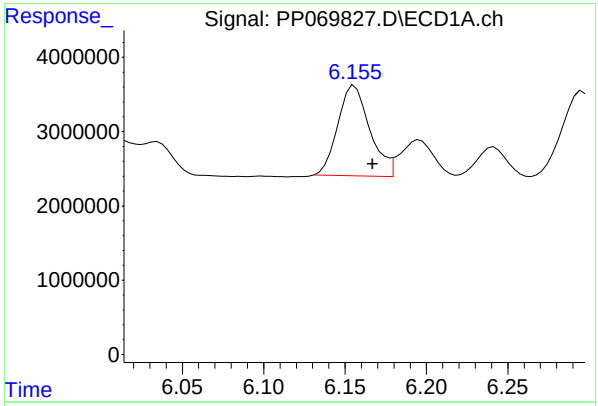
#6 AR-1016-4

R.T.: 5.863 min
Delta R.T.: -0.011 min
Response: 18396820
Conc: 525.62 ng/ml



#6 AR-1016-4

R.T.: 5.160 min
Delta R.T.: -0.011 min
Response: 10329989
Conc: 511.48 ng/ml



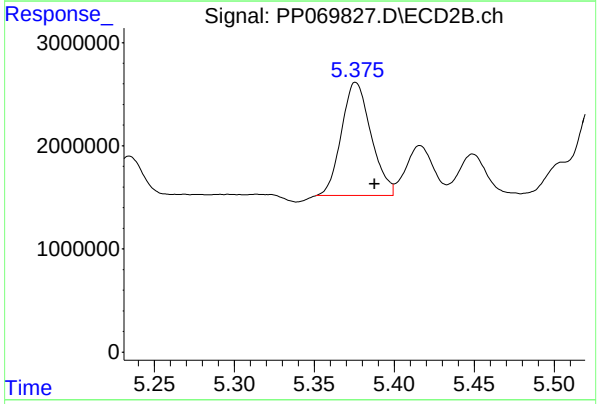
#7 AR-1016-5

R.T.: 6.156 min
Delta R.T.: -0.011 mi
Response: 16597299
Conc: 502.06 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

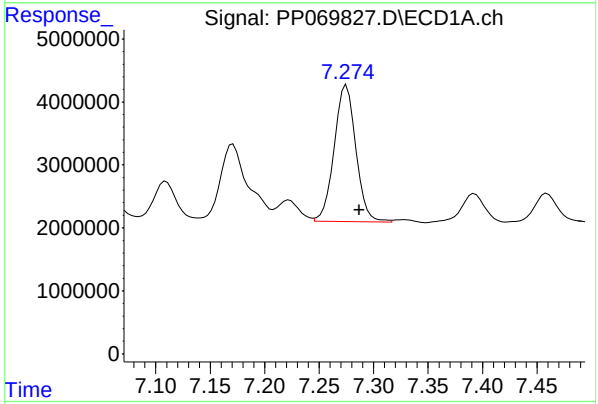
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



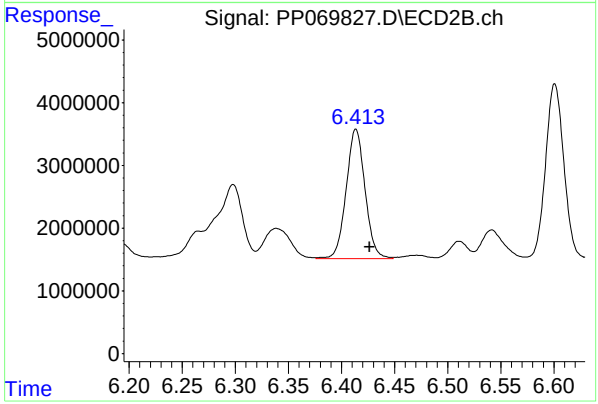
#7 AR-1016-5

R.T.: 5.375 min
Delta R.T.: -0.013 min
Response: 14253728
Conc: 531.38 ng/ml m



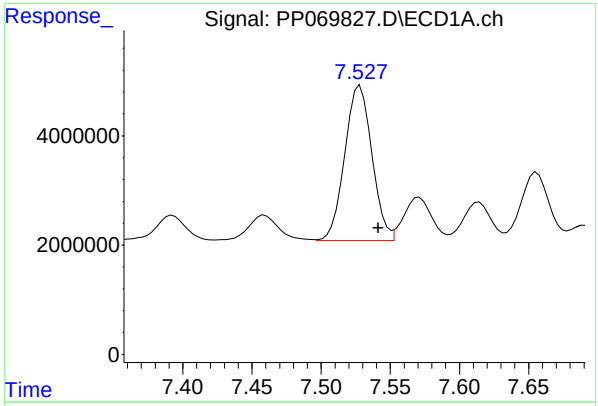
#31 AR-1260-1

R.T.: 7.275 min
Delta R.T.: -0.012 min
Response: 29919445
Conc: 512.00 ng/ml



#31 AR-1260-1

R.T.: 6.414 min
Delta R.T.: -0.013 min
Response: 25482579
Conc: 528.36 ng/ml



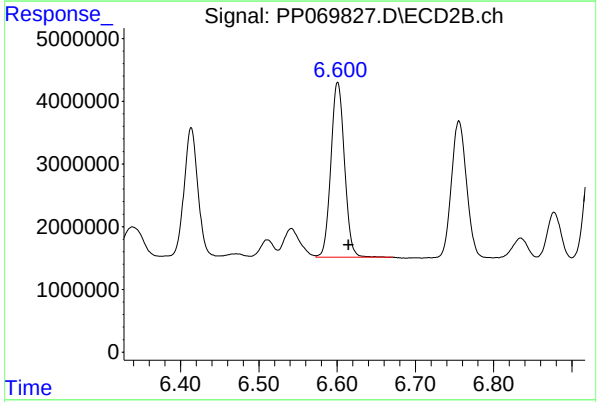
#32 AR-1260-2

R.T.: 7.528 min
Delta R.T.: -0.013 mi
Response: 38788502
Conc: 498.48 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

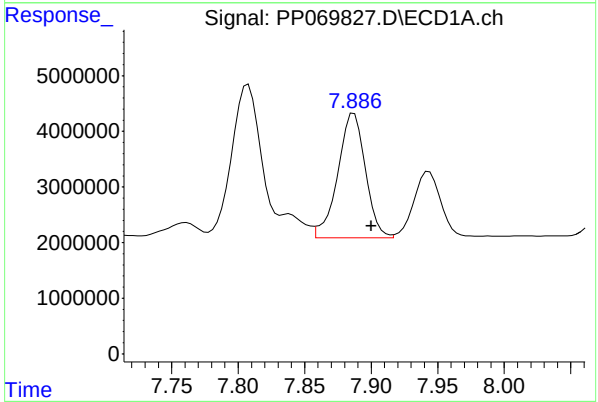
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



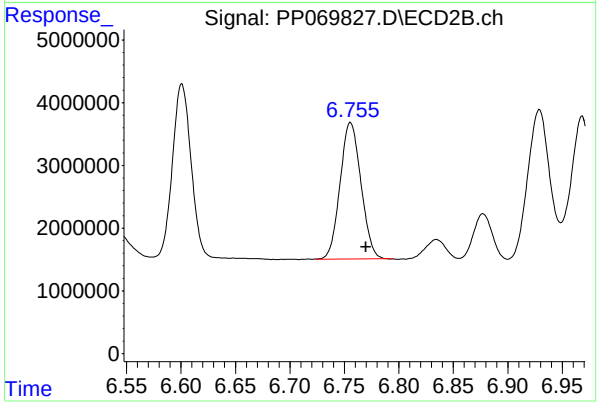
#32 AR-1260-2

R.T.: 6.601 min
Delta R.T.: -0.014 min
Response: 33381984
Conc: 544.53 ng/ml



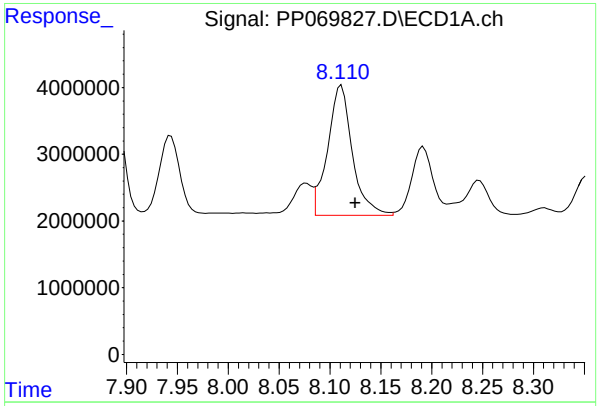
#33 AR-1260-3

R.T.: 7.887 min
Delta R.T.: -0.013 min
Response: 32420694
Conc: 518.57 ng/ml



#33 AR-1260-3

R.T.: 6.755 min
Delta R.T.: -0.015 min
Response: 28999648
Conc: 482.07 ng/ml m



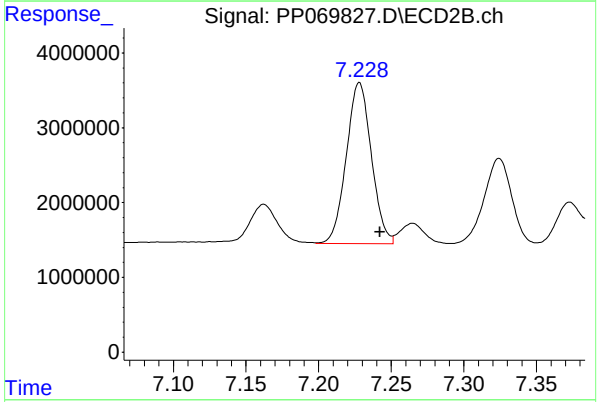
#34 AR-1260-4

R.T.: 8.111 min
Delta R.T.: -0.014 min
Response: 32842365
Conc: 497.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

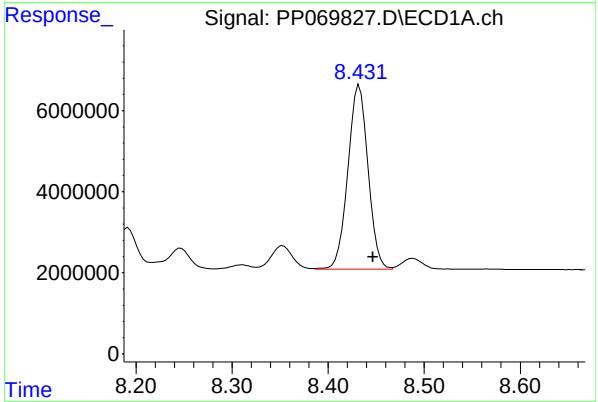
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



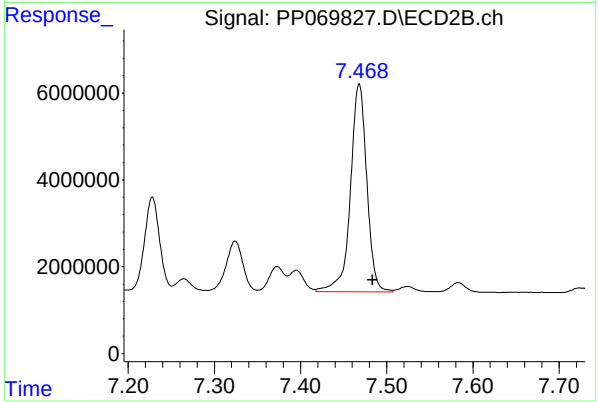
#34 AR-1260-4

R.T.: 7.228 min
Delta R.T.: -0.014 min
Response: 25952369
Conc: 558.50 ng/ml



#35 AR-1260-5

R.T.: 8.432 min
Delta R.T.: -0.014 min
Response: 66092349
Conc: 504.81 ng/ml



#35 AR-1260-5

R.T.: 7.468 min
Delta R.T.: -0.016 min
Response: 63086888
Conc: 567.61 ng/ml

Raw Data: **PP069830.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 09:19 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	6.52	6.54	6.44	6.64	0.02
Aroclor-1254-2	(2)	6.74	6.76	6.66	6.86	0.02
Aroclor-1254-3	(3)	7.10	7.12	7.02	7.22	0.02
Aroclor-1254-4	(4)	7.39	7.40	7.30	7.50	0.01
Aroclor-1254-5	(5)	7.80	7.82	7.72	7.92	0.02
Tetrachloro-m-xylene		4.52	4.53	4.43	4.63	0.01
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069830.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 09:19 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	5.73	5.74	5.64	5.84	0.01
Aroclor-1254-2	(2)	5.87	5.89	5.79	5.99	0.02
Aroclor-1254-3	(3)	6.28	6.30	6.20	6.40	0.02
Aroclor-1254-4	(4)	6.51	6.52	6.42	6.62	0.01
Aroclor-1254-5	(5)	6.93	6.94	6.84	7.04	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069830.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069830.D **Time Analyzed:** 09:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	6.524	6.439	6.639	505.170	500.000	1.0
Aroclor-1254-2	6.741	6.656	6.856	556.920	500.000	11.4
Aroclor-1254-3	7.104	7.019	7.219	521.840	500.000	4.4
Aroclor-1254-4	7.386	7.301	7.501	525.230	500.000	5.0
Aroclor-1254-5	7.802	7.719	7.919	518.390	500.000	3.7
Decachlorobiphenyl	10.249	10.175	10.375	52.000	50.000	4.0
Tetrachloro-m-xylene	4.522	4.434	4.634	55.430	50.000	10.9

Raw Data: **PP069830.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069830.D **Time Analyzed:** 09:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	5.726	5.642	5.842	520.360	500.000	4.1
Aroclor-1254-2	5.874	5.790	5.990	515.180	500.000	3.0
Aroclor-1254-3	6.279	6.195	6.395	518.900	500.000	3.8
Aroclor-1254-4	6.507	6.423	6.623	522.360	500.000	4.5
Aroclor-1254-5	6.926	6.844	7.044	522.720	500.000	4.5
Decachlorobiphenyl	8.886	8.809	9.009	48.350	50.000	-3.3
Tetrachloro-m-xylene	3.828	3.740	3.940	54.330	50.000	8.7

Sample Results: **PP069830.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069830.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 09:19
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:59:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	79348983	48491969	55.431	54.330m
2)	SA Decachlor...	10.249	8.886	56834843	54078592	52.004	48.350
	Target Compounds						
26)	L6 AR-1254-1	6.524	5.726	29231035	28648896	505.170m	520.361
27)	L6 AR-1254-2	6.741	5.874	44688002	24918713	556.916	515.182
28)	L6 AR-1254-3	7.104	6.279	43985317	39382350	521.843	518.898
29)	L6 AR-1254-4	7.386	6.507	35814101	26770822	525.227	522.360m
30)	L6 AR-1254-5	7.802	6.926	35274161	34792192	518.386m	522.716

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069830.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 09:19
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

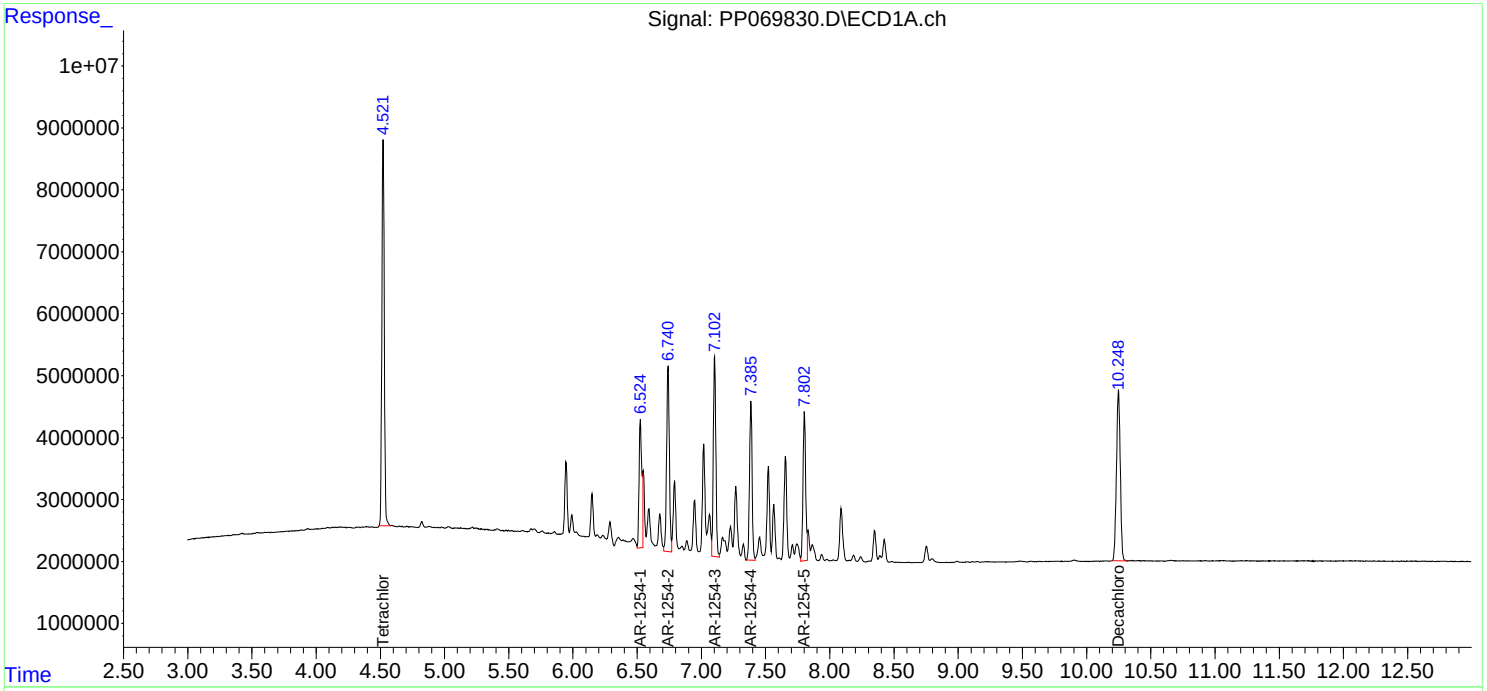
Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

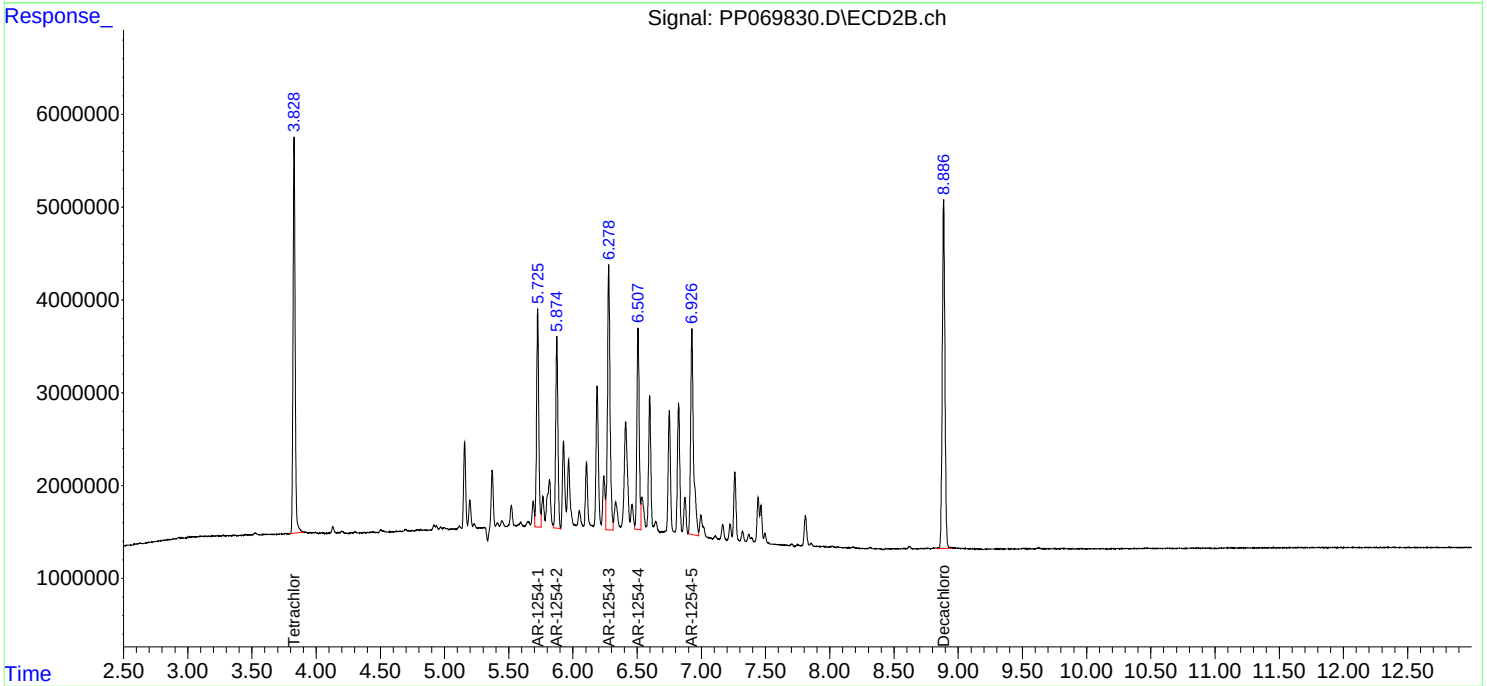
Manual Integrations APPROVED

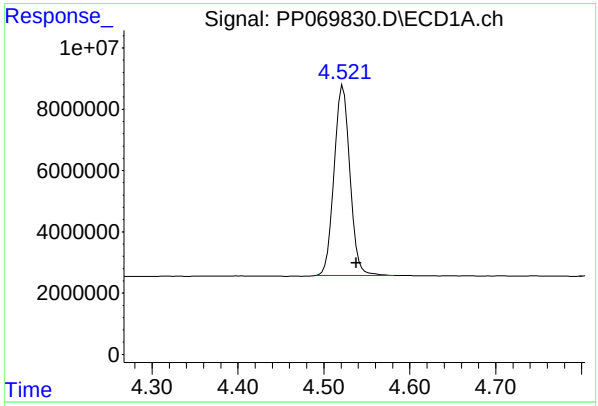
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:59:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







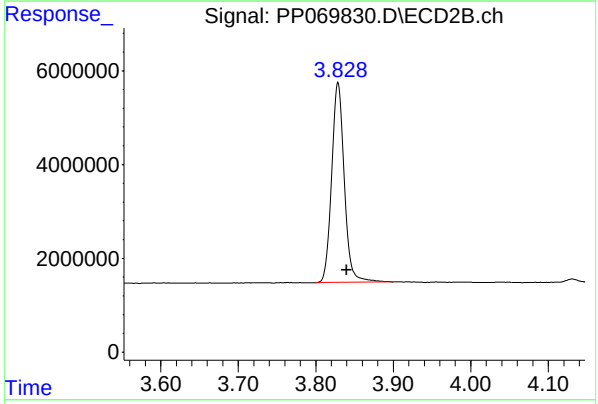
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.016 min
Response: 79348983
Conc: 55.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

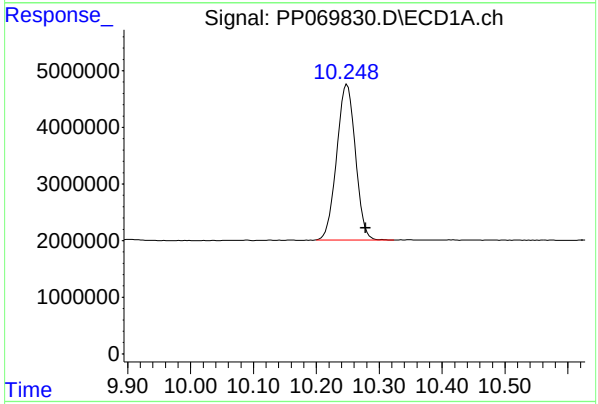
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



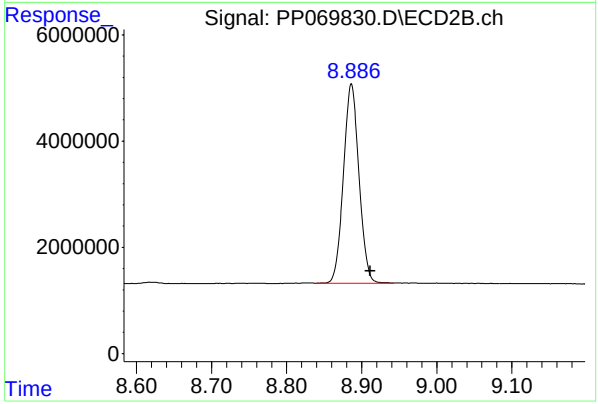
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.012 min
Response: 48491969
Conc: 54.33 ng/ml m



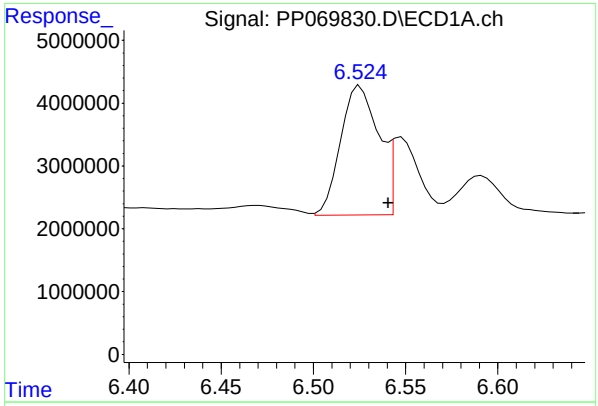
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.030 min
Response: 56834843
Conc: 52.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.886 min
Delta R.T.: -0.025 min
Response: 54078592
Conc: 48.35 ng/ml



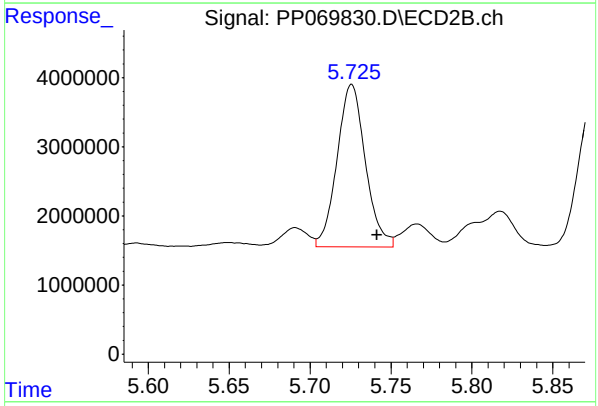
#26 AR-1254-1

R.T.: 6.524 min
Delta R.T.: -0.017 min
Response: 29231035
Conc: 505.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

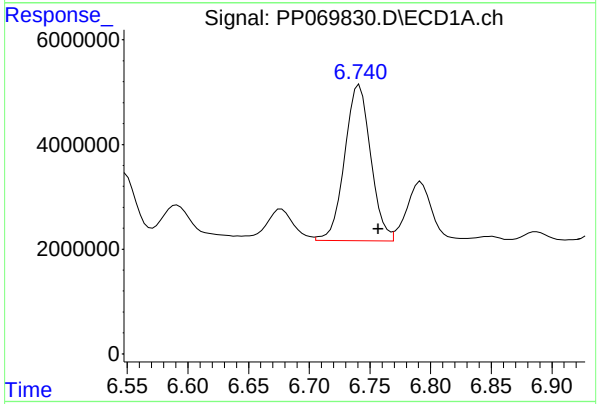
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



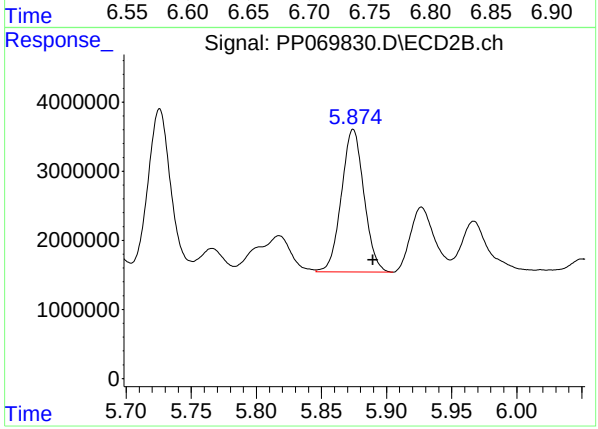
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.015 min
Response: 28648896
Conc: 520.36 ng/ml



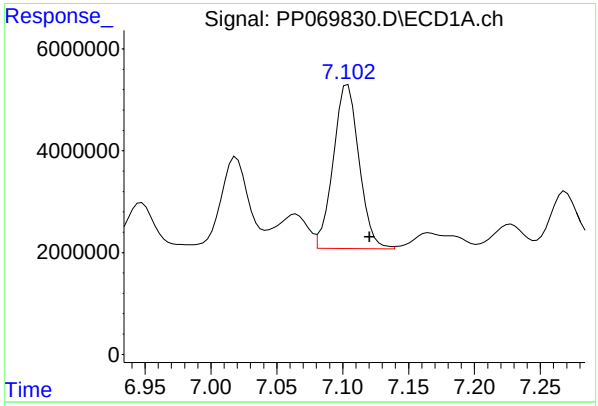
#27 AR-1254-2

R.T.: 6.741 min
Delta R.T.: -0.016 min
Response: 44688002
Conc: 556.92 ng/ml



#27 AR-1254-2

R.T.: 5.874 min
Delta R.T.: -0.015 min
Response: 24918713
Conc: 515.18 ng/ml



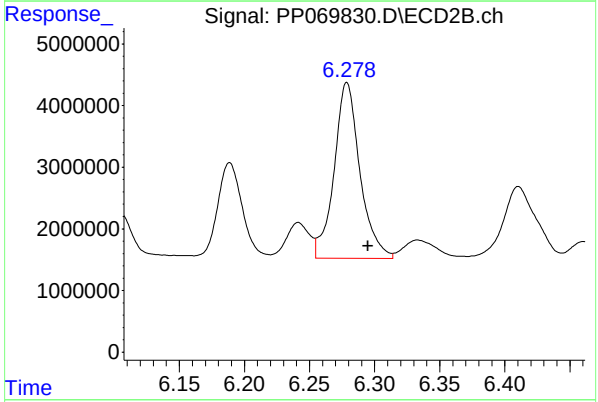
#28 AR-1254-3

R.T.: 7.104 min
Delta R.T.: -0.017 min
Response: 43985317
Conc: 521.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

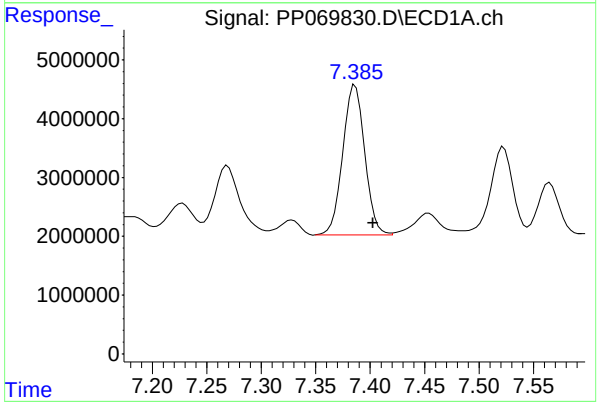
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



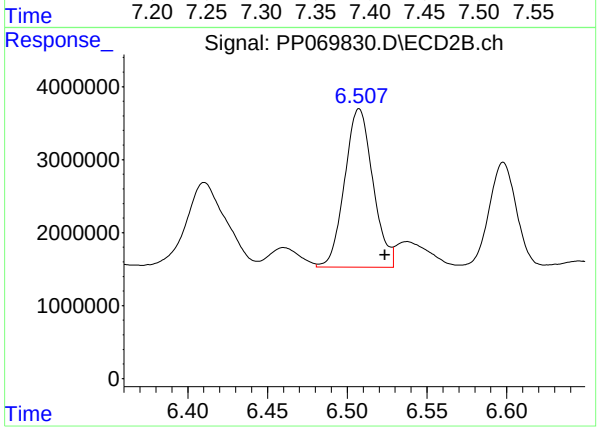
#28 AR-1254-3

R.T.: 6.279 min
Delta R.T.: -0.016 min
Response: 39382350
Conc: 518.90 ng/ml



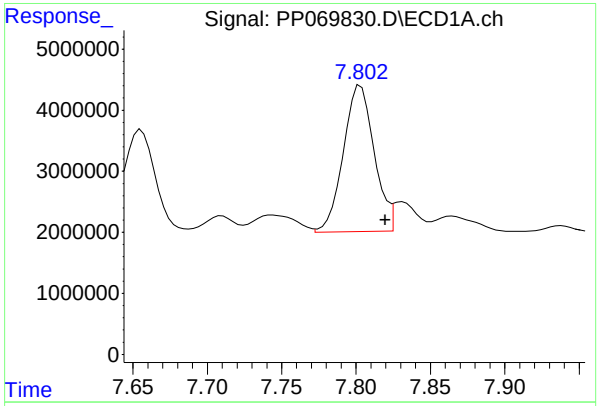
#29 AR-1254-4

R.T.: 7.386 min
Delta R.T.: -0.016 min
Response: 35814101
Conc: 525.23 ng/ml



#29 AR-1254-4

R.T.: 6.507 min
Delta R.T.: -0.016 min
Response: 26770822
Conc: 522.36 ng/ml m



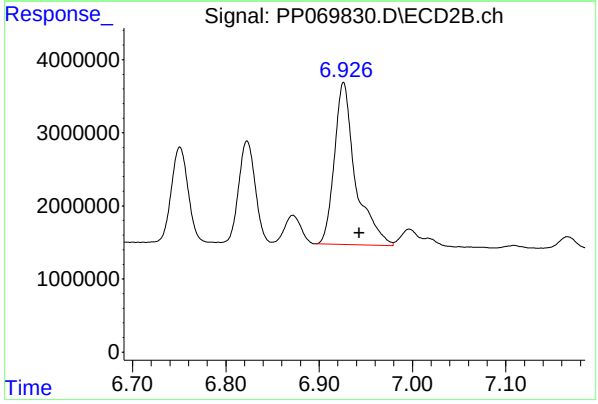
#30 AR-1254-5

R.T.: 7.802 min
Delta R.T.: -0.018 min
Response: 35274161
Conc: 518.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.926 min
Delta R.T.: -0.017 min
Response: 34792192
Conc: 522.72 ng/ml

Raw Data: **PP069842.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 15:10 **Initial Calibration Time(s):** 09:37 17:30

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	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.88	7.90	7.80	8.00	0.02
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.52	4.54	4.44	4.64	0.02
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069842.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 15:10 **Initial Calibration Time(s):** 09:37 17:30

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)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069842.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069842.D **Time Analyzed:** 15:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.677	5.592	5.792	576.500	500.000	15.3
Aroclor-1016-2	5.700	5.614	5.814	540.700	500.000	8.1
Aroclor-1016-3	5.762	5.676	5.876	522.670	500.000	4.5
Aroclor-1016-4	5.859	5.774	5.974	529.490	500.000	5.9
Aroclor-1016-5	6.153	6.067	6.267	491.810	500.000	-1.6
Aroclor-1260-1	7.272	7.187	7.387	547.050	500.000	9.4
Aroclor-1260-2	7.526	7.441	7.641	507.620	500.000	1.5
Aroclor-1260-3	7.884	7.800	8.000	516.930	500.000	3.4
Aroclor-1260-4	8.109	8.025	8.225	487.880	500.000	-2.4
Aroclor-1260-5	8.429	8.347	8.547	509.920	500.000	2.0
Decachlorobiphenyl	10.251	10.179	10.379	53.100	50.000	6.2
Tetrachloro-m-xylene	4.524	4.438	4.638	55.760	50.000	11.5

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069842.D **Time Analyzed:** 15:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.920	4.834	5.034	487.250	500.000	-2.6
Aroclor-1016-2	4.939	4.853	5.053	506.240	500.000	1.2
Aroclor-1016-3	5.117	5.030	5.230	520.360	500.000	4.1
Aroclor-1016-4	5.159	5.072	5.272	488.050	500.000	-2.4
Aroclor-1016-5	5.373	5.288	5.488	511.960	500.000	2.4
Aroclor-1260-1	6.412	6.326	6.526	557.250	500.000	11.5
Aroclor-1260-2	6.600	6.515	6.715	564.770	500.000	13.0
Aroclor-1260-3	6.754	6.670	6.870	488.800	500.000	-2.2
Aroclor-1260-4	7.226	7.142	7.342	543.010	500.000	8.6
Aroclor-1260-5	7.467	7.384	7.584	550.080	500.000	10.0
Decachlorobiphenyl	8.888	8.811	9.011	50.800	50.000	1.6
Tetrachloro-m-xylene	3.830	3.740	3.940	52.910	50.000	5.8

Quantitation Report (QT Reviewed)

Sample Results: **PP069842.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 15:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 15:19:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	79812517	47220012	55.755m	52.905m
2) SA	Decachlor...	10.251	8.888	58033861	56817301	53.101	50.798
	Target Compounds						
3) L1	AR-1016-1	5.677	4.920	26711062	15891739	576.502m	487.252m
4) L1	AR-1016-2	5.700	4.939	36701276	22759895	540.701	506.243m
5) L1	AR-1016-3	5.762	5.117	22263986	12948707	522.670	520.363
6) L1	AR-1016-4	5.859	5.159	18532319	9856720	529.488	488.047
7) L1	AR-1016-5	6.153	5.373	16258546	13732881	491.811	511.964m
31) L7	AR-1260-1	7.272	6.412	31967755	26876118	547.053	557.254
32) L7	AR-1260-2	7.526	6.600	39499596	34622711	507.623	564.774
33) L7	AR-1260-3	7.884	6.754	32317868	29404327	516.927	488.798m
34) L7	AR-1260-4	8.109	7.226	32188972	25232314	487.884	543.007
35) L7	AR-1260-5	8.429	7.467	66762055	61138168	509.922	550.075

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 15:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

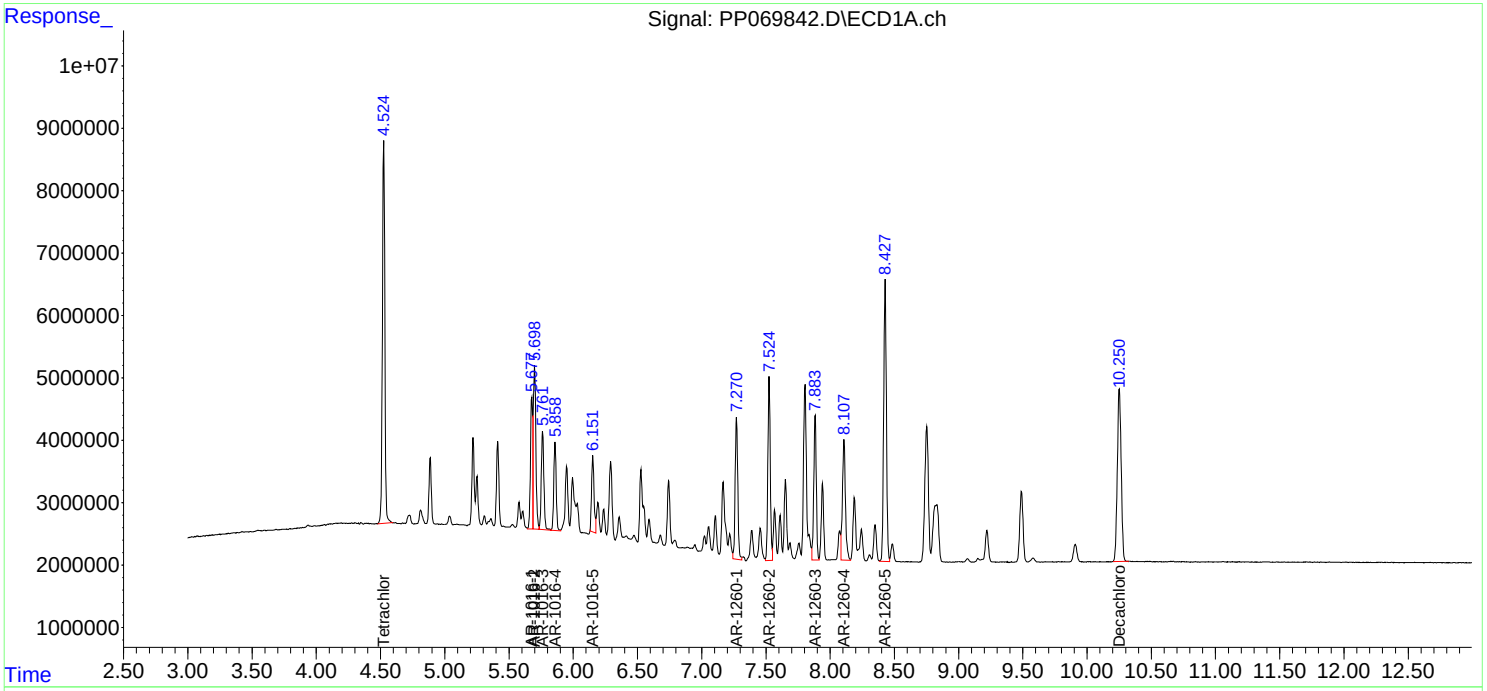
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

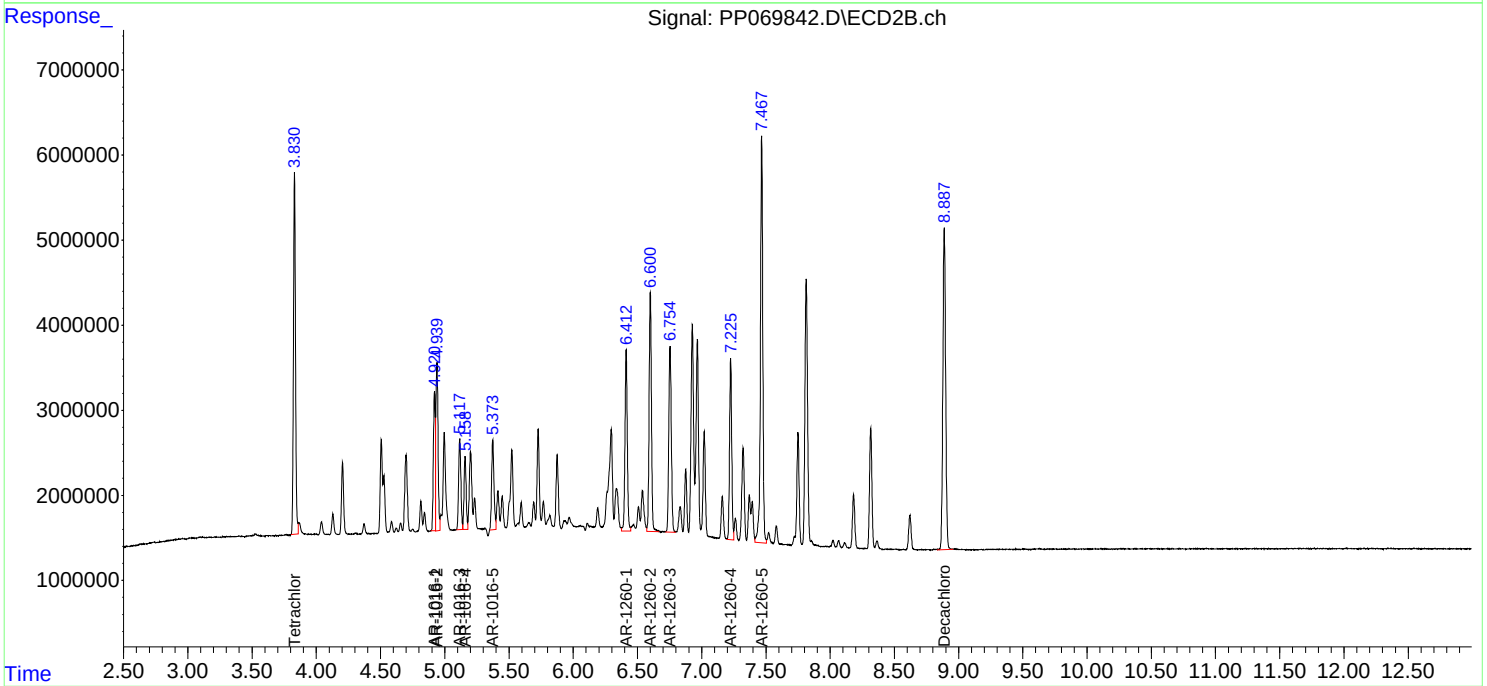
Manual Integrations APPROVED

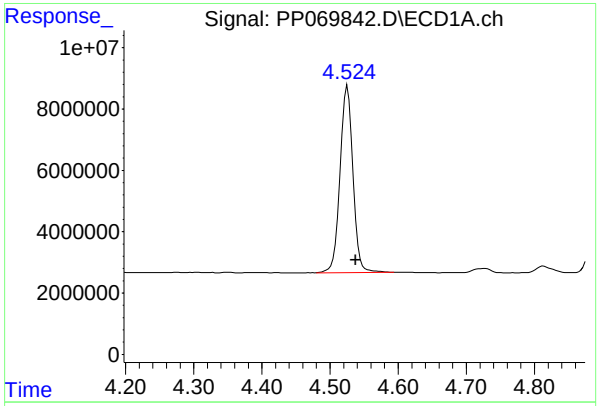
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 15:19:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







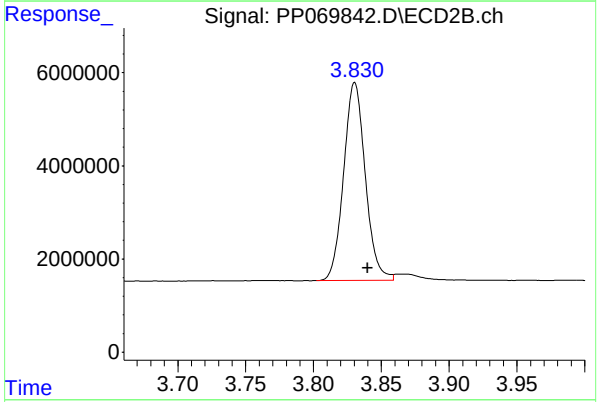
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.014 min
Response: 79812517
Conc: 55.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

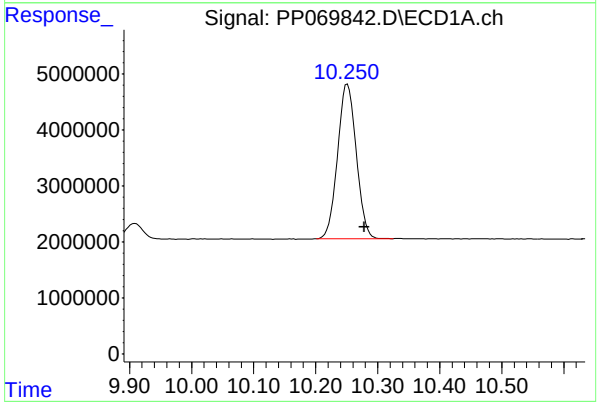
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



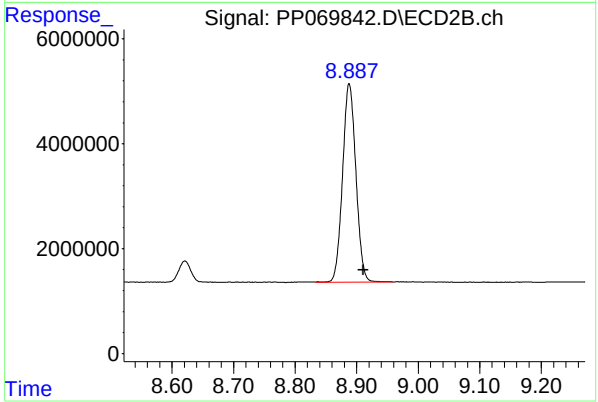
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 47220012
Conc: 52.91 ng/ml m



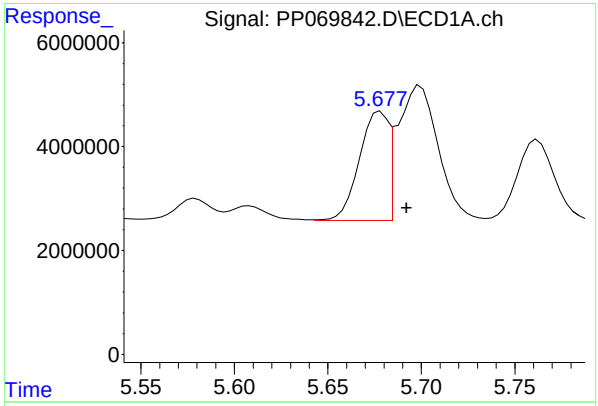
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.027 min
Response: 58033861
Conc: 53.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 56817301
Conc: 50.80 ng/ml



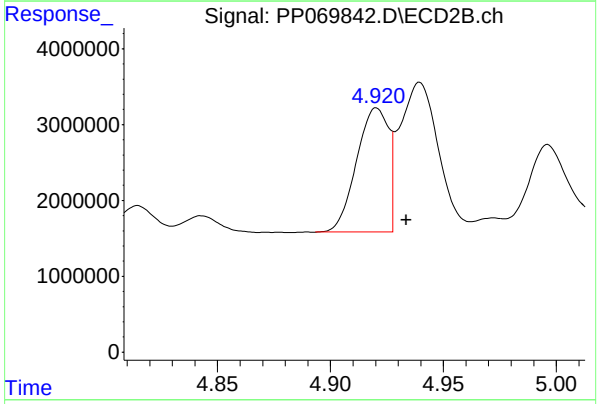
#3 AR-1016-1

R.T.: 5.677 min
Delta R.T.: -0.015 min
Response: 26711062
Conc: 576.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

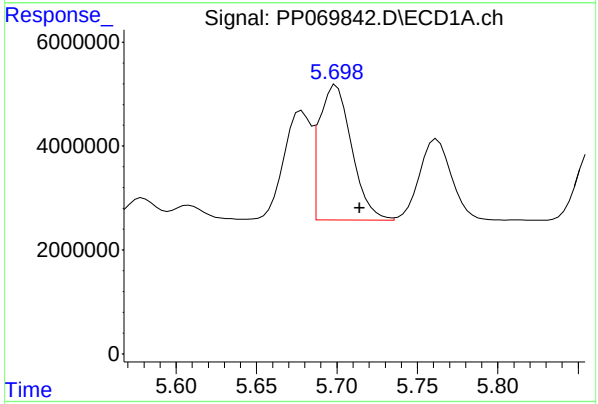
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



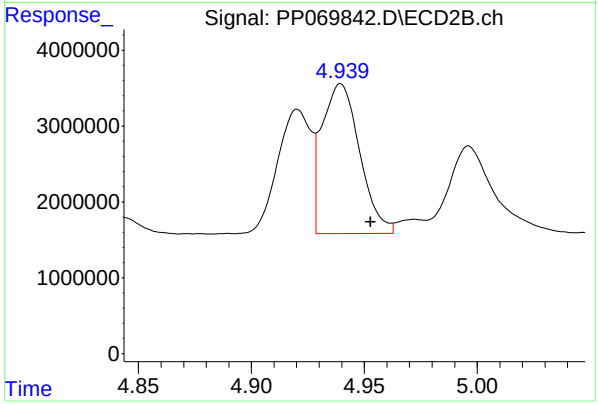
#3 AR-1016-1

R.T.: 4.920 min
Delta R.T.: -0.014 min
Response: 15891739
Conc: 487.25 ng/ml m



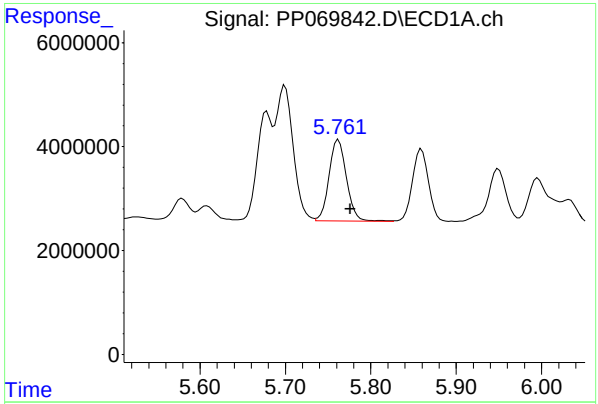
#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: -0.015 min
Response: 36701276
Conc: 540.70 ng/ml



#4 AR-1016-2

R.T.: 4.939 min
Delta R.T.: -0.014 min
Response: 22759895
Conc: 506.24 ng/ml m



#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: -0.014 mi
Response: 22263986
Conc: 522.67 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

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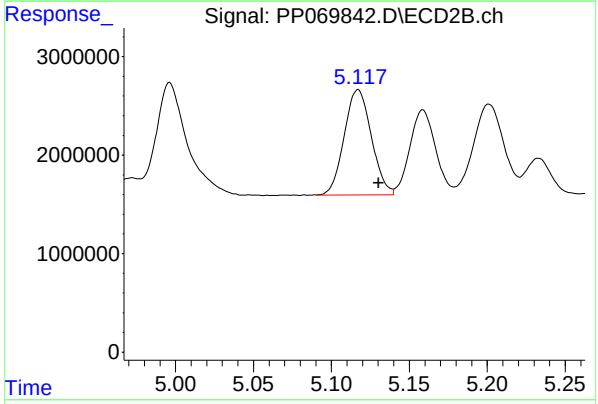
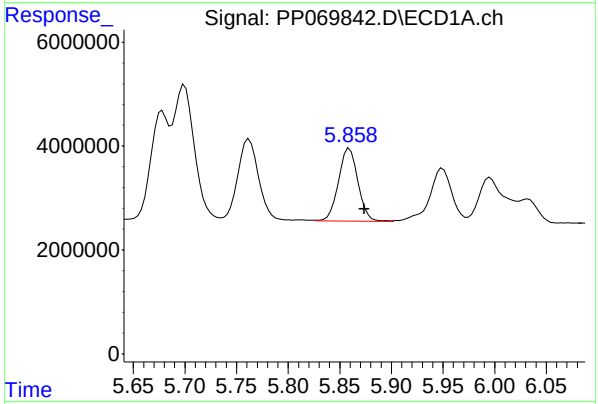


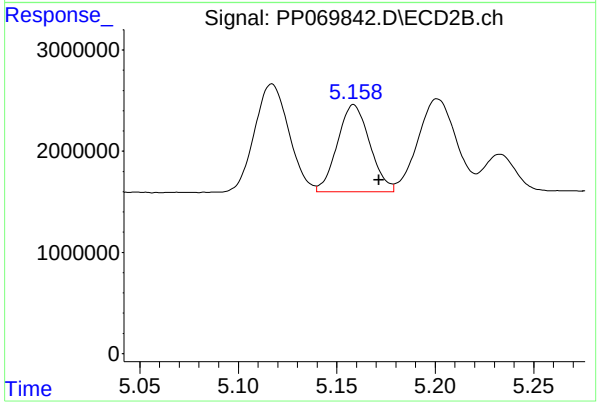
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: -0.013 min
Response: 12948707
Conc: 520.36 ng/ml



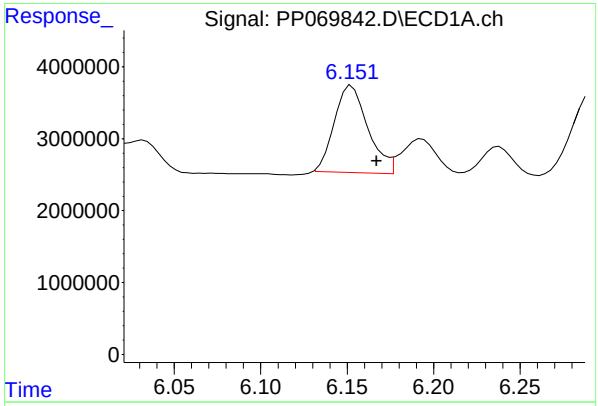
#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: -0.015 min
Response: 18532319
Conc: 529.49 ng/ml



#6 AR-1016-4

R.T.: 5.159 min
Delta R.T.: -0.013 min
Response: 9856720
Conc: 488.05 ng/ml



#7 AR-1016-5

R.T.: 6.153 min
Delta R.T.: -0.014 mi
Response: 16258546
Conc: 491.81 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

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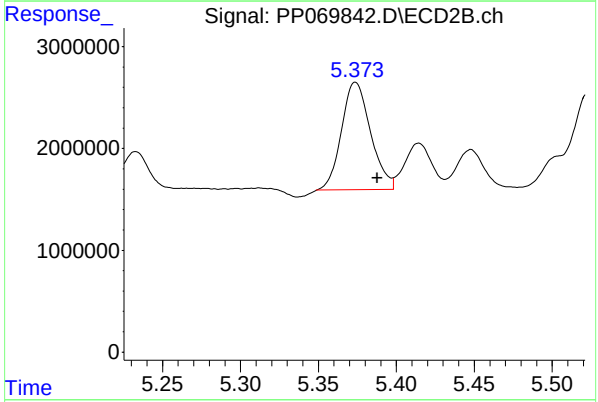
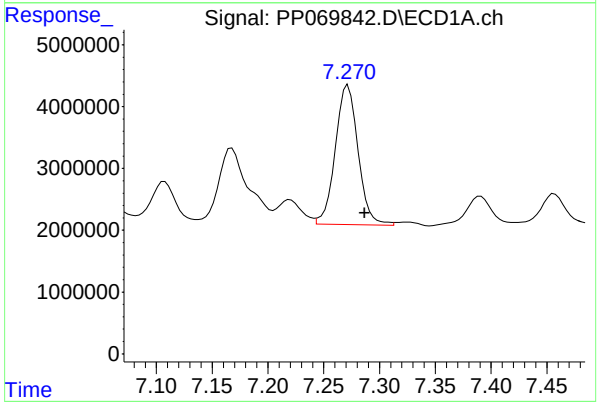


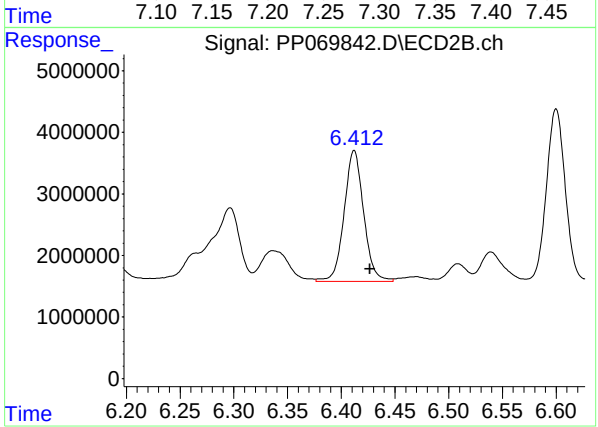
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: -0.015 min
Response: 13732881
Conc: 511.96 ng/ml m



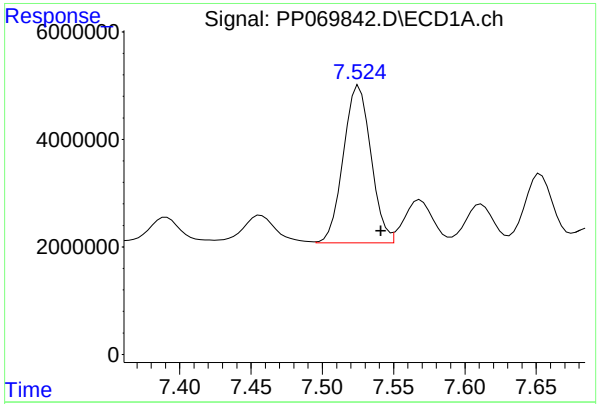
#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: -0.015 min
Response: 31967755
Conc: 547.05 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: -0.014 min
Response: 26876118
Conc: 557.25 ng/ml



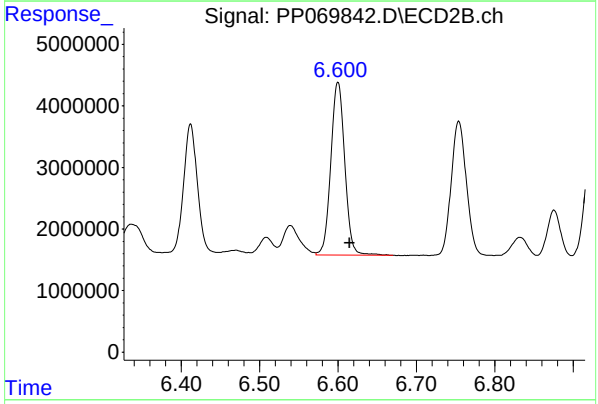
#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: -0.015 mi
Response: 39499596
Conc: 507.62 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

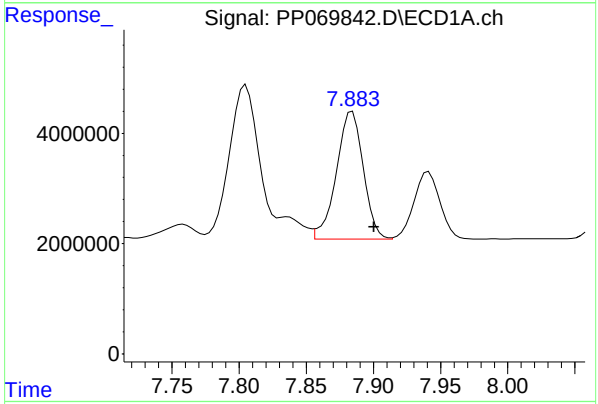
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



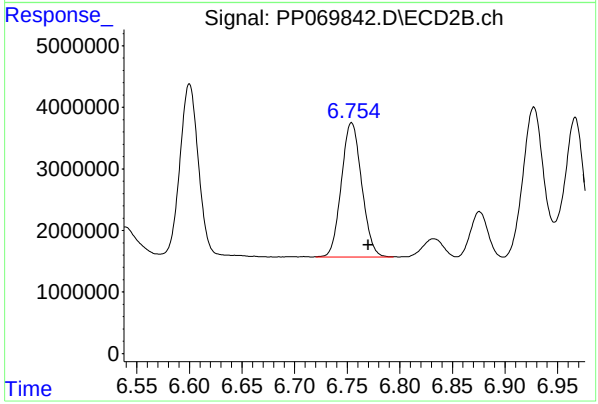
#32 AR-1260-2

R.T.: 6.600 min
Delta R.T.: -0.015 min
Response: 34622711
Conc: 564.77 ng/ml



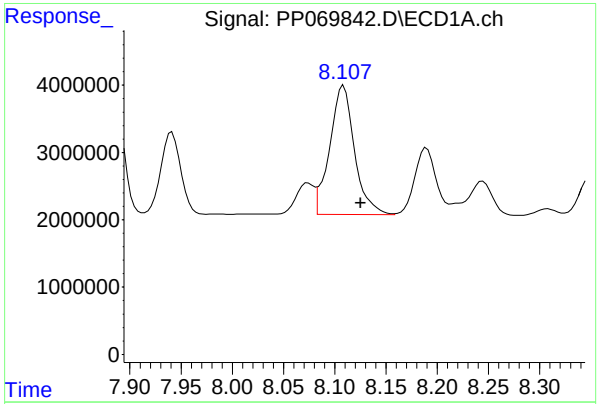
#33 AR-1260-3

R.T.: 7.884 min
Delta R.T.: -0.016 min
Response: 32317868
Conc: 516.93 ng/ml



#33 AR-1260-3

R.T.: 6.754 min
Delta R.T.: -0.016 min
Response: 29404327
Conc: 488.80 ng/ml m



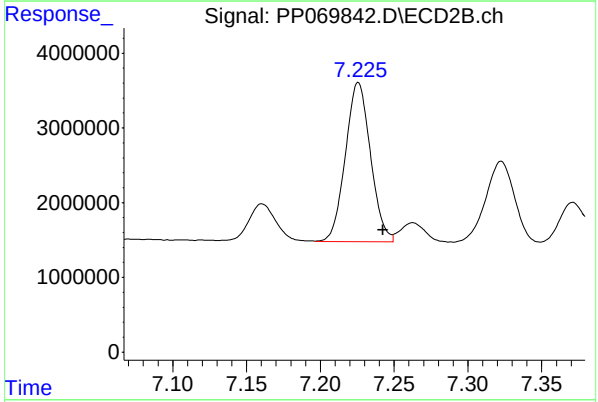
#34 AR-1260-4

R.T.: 8.109 min
Delta R.T.: -0.017 min
Response: 32188972
Conc: 487.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

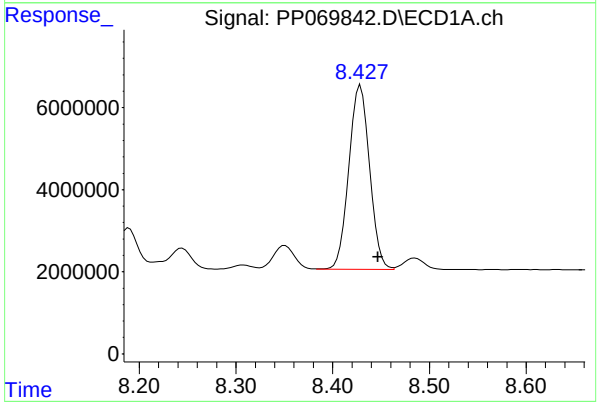
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



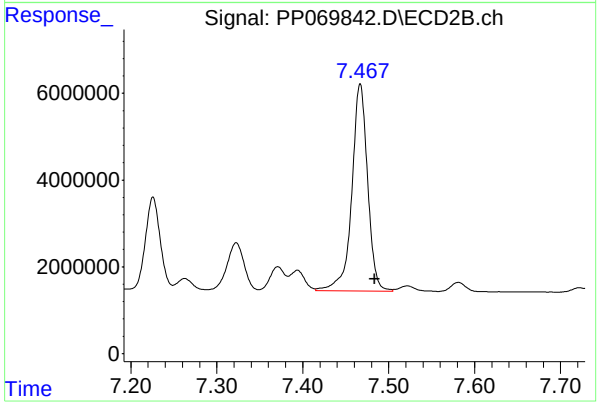
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: -0.017 min
Response: 25232314
Conc: 543.01 ng/ml



#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: -0.018 min
Response: 66762055
Conc: 509.92 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: -0.017 min
Response: 61138168
Conc: 550.08 ng/ml

Raw Data: **PP069845.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 16:15 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1254-1	(1)	6.53	6.54	6.44	6.64	0.01
Aroclor-1254-2	(2)	6.75	6.76	6.66	6.86	0.01
Aroclor-1254-3	(3)	7.11	7.12	7.02	7.22	0.01
Aroclor-1254-4	(4)	7.39	7.40	7.30	7.50	0.01
Aroclor-1254-5	(5)	7.81	7.82	7.72	7.92	0.01
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069845.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 16:15 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1254-1	(1)	5.73	5.74	5.64	5.84	0.01
Aroclor-1254-2	(2)	5.88	5.89	5.79	5.99	0.01
Aroclor-1254-3	(3)	6.28	6.30	6.20	6.40	0.02
Aroclor-1254-4	(4)	6.51	6.52	6.42	6.62	0.01
Aroclor-1254-5	(5)	6.93	6.94	6.84	7.04	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069845.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069845.D **Time Analyzed:** 16:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	6.530	6.439	6.639	508.870	500.000	1.8
Aroclor-1254-2	6.746	6.656	6.856	561.710	500.000	12.3
Aroclor-1254-3	7.109	7.019	7.219	525.790	500.000	5.2
Aroclor-1254-4	7.391	7.301	7.501	536.840	500.000	7.4
Aroclor-1254-5	7.808	7.719	7.919	518.660	500.000	3.7
Decachlorobiphenyl	10.253	10.175	10.375	52.330	50.000	4.7
Tetrachloro-m-xylene	4.526	4.434	4.634	55.590	50.000	11.2

Raw Data: **PP069845.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069845.D **Time Analyzed:** 16:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	5.728	5.642	5.842	535.410	500.000	7.1
Aroclor-1254-2	5.876	5.790	5.990	537.250	500.000	7.5
Aroclor-1254-3	6.281	6.195	6.395	548.920	500.000	9.8
Aroclor-1254-4	6.509	6.423	6.623	545.020	500.000	9.0
Aroclor-1254-5	6.928	6.844	7.044	549.610	500.000	9.9
Decachlorobiphenyl	8.889	8.809	9.009	49.690	50.000	-0.6
Tetrachloro-m-xylene	3.830	3.740	3.940	54.430	50.000	8.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:15
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 16:27:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	79578437	48584347	55.592	54.434m
2)	SA Decachlor...	10.253	8.889	57188403	55581016	52.327	49.693
	Target Compounds						
26)	L6 AR-1254-1	6.530	5.728	29445049	29477186	508.869	535.406
27)	L6 AR-1254-2	6.746	5.876	45072936	25986106	561.713	537.249
28)	L6 AR-1254-3	7.109	6.281	44317866	41660914	525.788	548.920
29)	L6 AR-1254-4	7.391	6.509	36606181	27932056	536.843	545.019
30)	L6 AR-1254-5	7.808	6.928	35292531	36582017	518.656	549.606

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

Sample Results: **PP069845.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:15
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

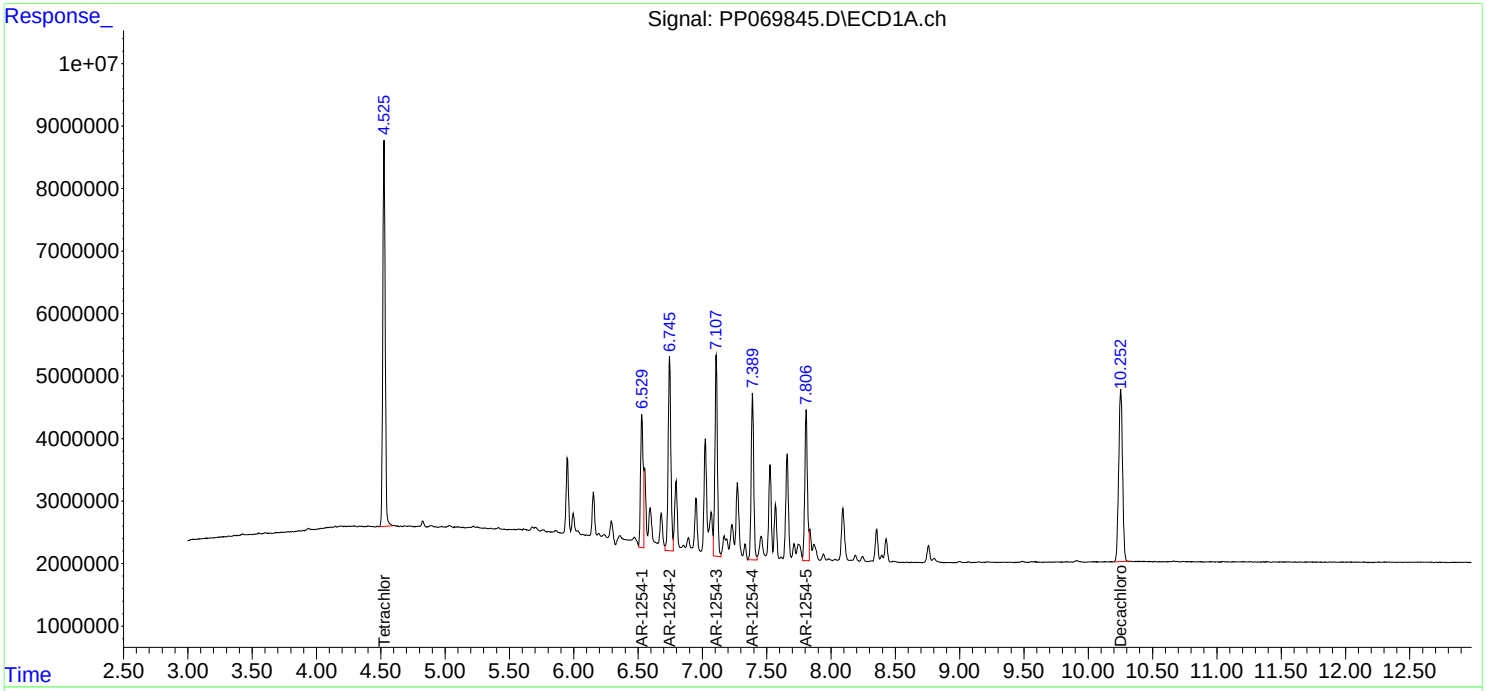
Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

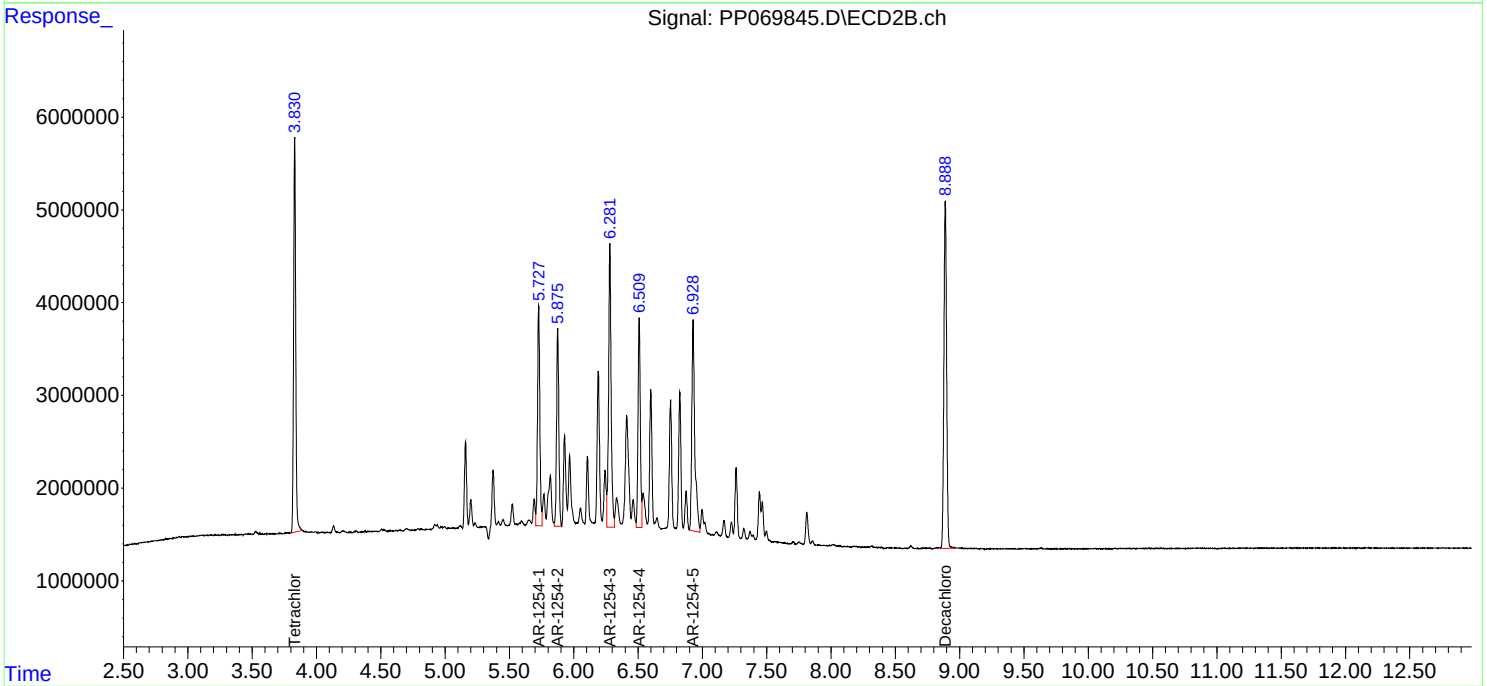
Manual Integrations APPROVED

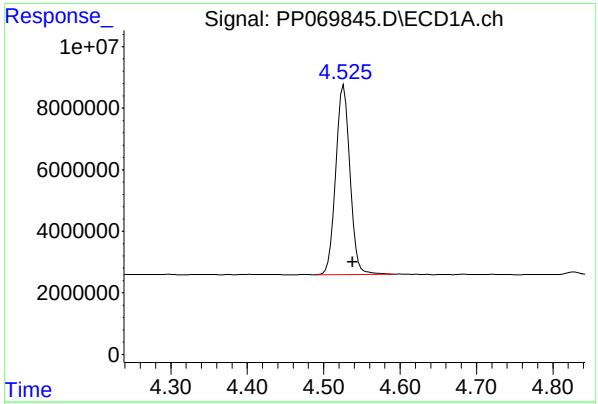
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 16:27:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







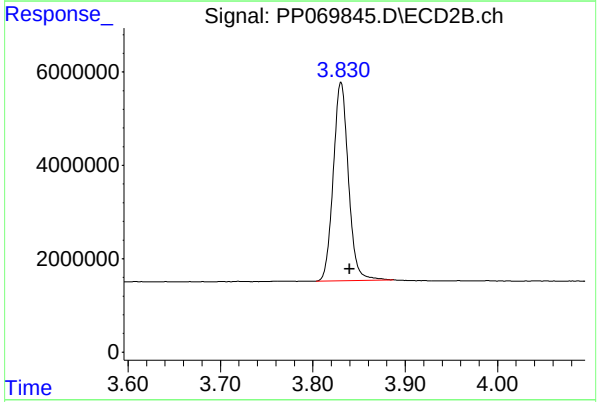
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 79578437
Conc: 55.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

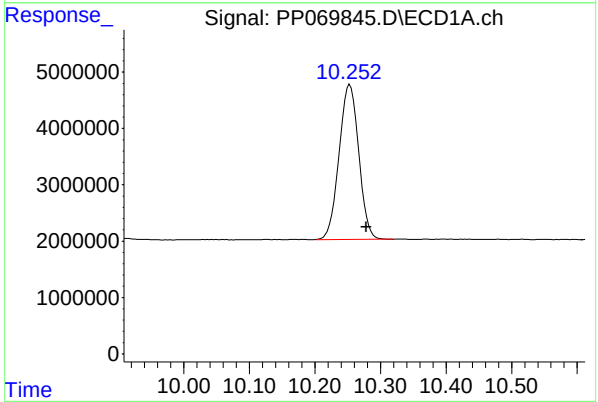
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



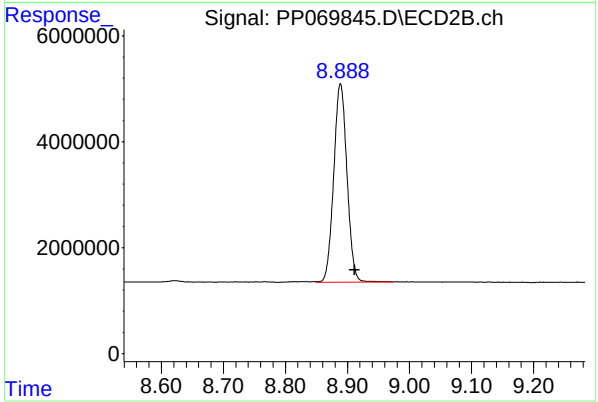
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 48584347
Conc: 54.43 ng/ml m



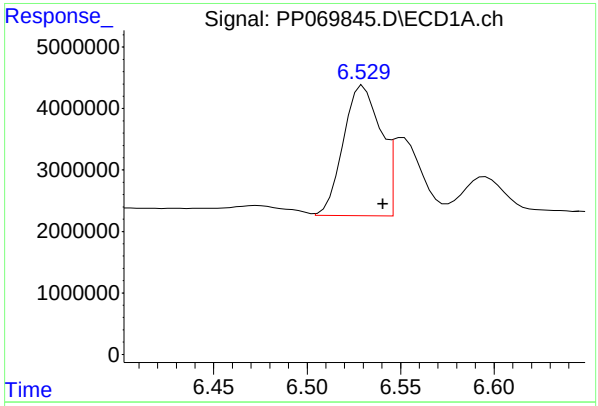
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.025 min
Response: 57188403
Conc: 52.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 55581016
Conc: 49.69 ng/ml



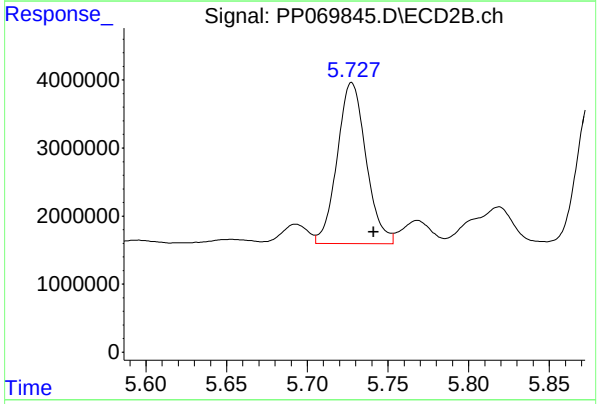
#26 AR-1254-1

R.T.: 6.530 min
Delta R.T.: -0.010 min
Response: 29445049
Conc: 508.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

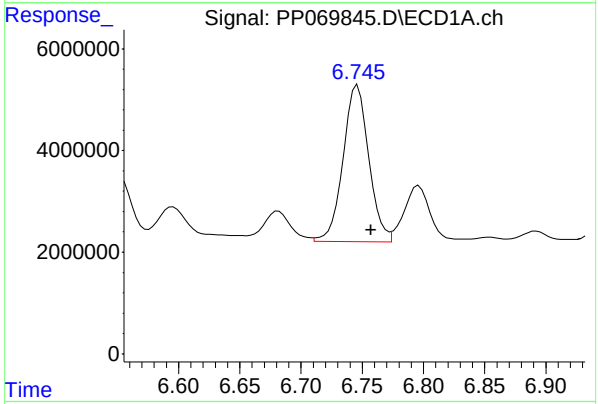
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



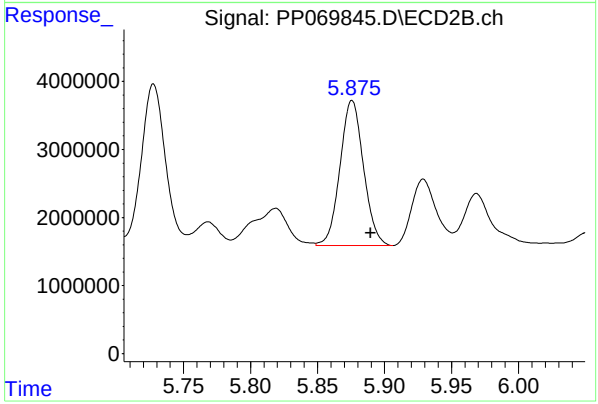
#26 AR-1254-1

R.T.: 5.728 min
Delta R.T.: -0.014 min
Response: 29477186
Conc: 535.41 ng/ml



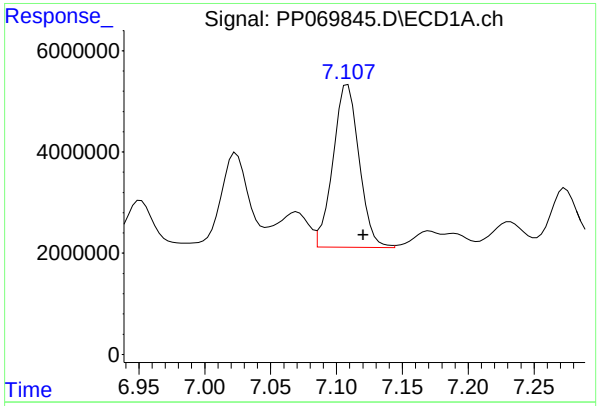
#27 AR-1254-2

R.T.: 6.746 min
Delta R.T.: -0.011 min
Response: 45072936
Conc: 561.71 ng/ml



#27 AR-1254-2

R.T.: 5.876 min
Delta R.T.: -0.014 min
Response: 25986106
Conc: 537.25 ng/ml



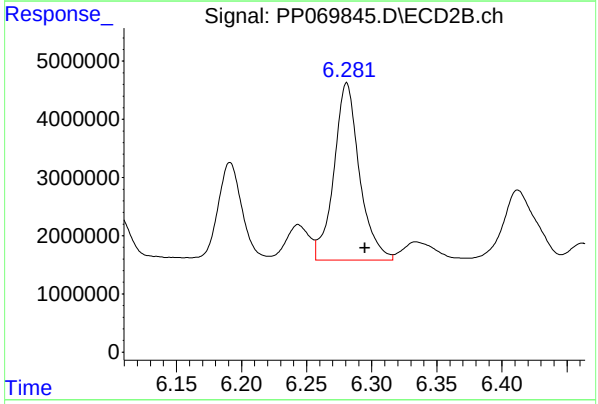
#28 AR-1254-3

R.T.: 7.109 min
Delta R.T.: -0.012 min
Response: 44317866
Conc: 525.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

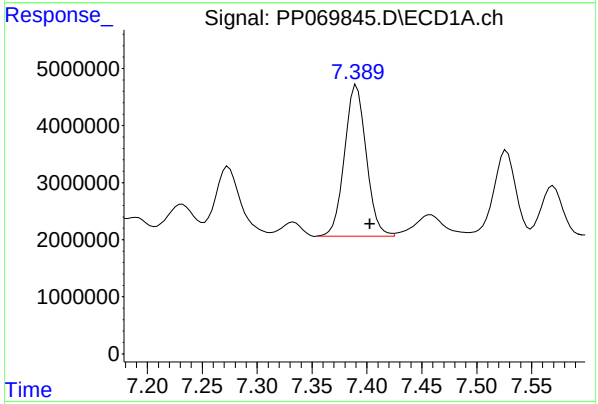
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



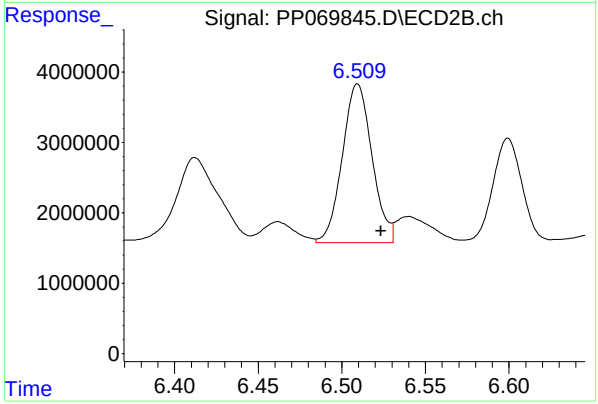
#28 AR-1254-3

R.T.: 6.281 min
Delta R.T.: -0.014 min
Response: 41660914
Conc: 548.92 ng/ml



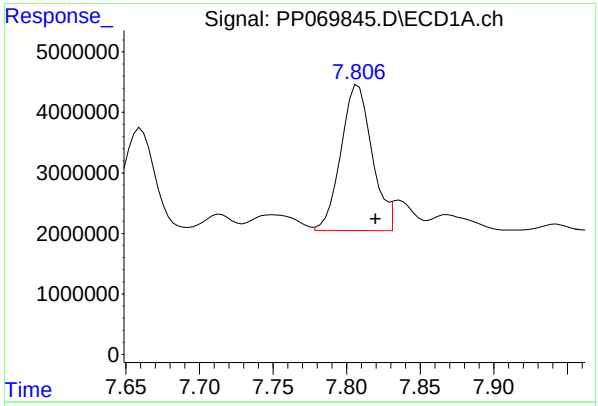
#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: -0.012 min
Response: 36606181
Conc: 536.84 ng/ml



#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: -0.014 min
Response: 27932056
Conc: 545.02 ng/ml



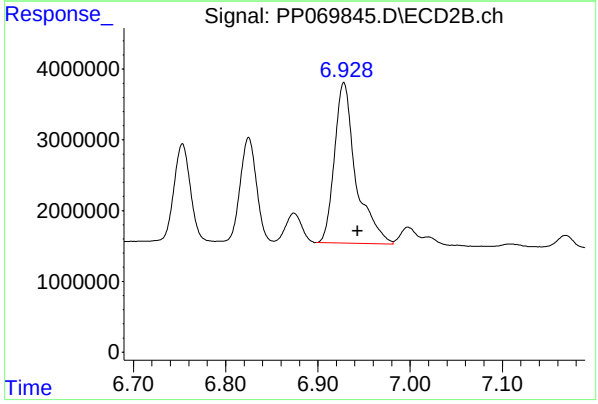
#30 AR-1254-5

R.T.: 7.808 min
Delta R.T.: -0.012 min
Response: 35292531
Conc: 518.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: -0.015 min
Response: 36582017
Conc: 549.61 ng/ml

Raw Data: **PP069857.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 20:18 **Initial Calibration Time(s):** 09:37 17:30

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	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.16	6.17	6.07	6.27	0.01
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.89	7.90	7.80	8.00	0.01
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.53	4.54	4.44	4.64	0.01
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069857.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 20:18 **Initial Calibration Time(s):** 09:37 17:30

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)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069857.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069857.D **Time Analyzed:** 20:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.679	5.592	5.792	482.440	500.000	-3.5
Aroclor-1016-2	5.702	5.614	5.814	505.860	500.000	1.2
Aroclor-1016-3	5.764	5.676	5.876	500.320	500.000	0.1
Aroclor-1016-4	5.862	5.774	5.974	517.400	500.000	3.5
Aroclor-1016-5	6.155	6.067	6.267	467.500	500.000	-6.5
Aroclor-1260-1	7.274	7.187	7.387	514.180	500.000	2.8
Aroclor-1260-2	7.528	7.441	7.641	475.840	500.000	-4.8
Aroclor-1260-3	7.886	7.800	8.000	488.150	500.000	-2.4
Aroclor-1260-4	8.111	8.025	8.225	467.550	500.000	-6.5
Aroclor-1260-5	8.431	8.347	8.547	481.930	500.000	-3.6
Decachlorobiphenyl	10.254	10.179	10.379	50.340	50.000	0.7
Tetrachloro-m-xylene	4.528	4.438	4.638	51.890	50.000	3.8

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069857.D **Time Analyzed:** 20:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.919	4.834	5.034	446.890	500.000	-10.6
Aroclor-1016-2	4.939	4.853	5.053	464.700	500.000	-7.1
Aroclor-1016-3	5.116	5.030	5.230	478.460	500.000	-4.3
Aroclor-1016-4	5.158	5.072	5.272	446.550	500.000	-10.7
Aroclor-1016-5	5.373	5.288	5.488	527.390	500.000	5.5
Aroclor-1260-1	6.411	6.326	6.526	500.170	500.000	0.0
Aroclor-1260-2	6.599	6.515	6.715	496.810	500.000	-0.6
Aroclor-1260-3	6.753	6.670	6.870	439.430	500.000	-12.1
Aroclor-1260-4	7.226	7.142	7.342	475.050	500.000	-5.0
Aroclor-1260-5	7.466	7.384	7.584	485.160	500.000	-3.0
Decachlorobiphenyl	8.889	8.811	9.011	44.480	50.000	-11.0
Tetrachloro-m-xylene	3.829	3.740	3.940	50.120	50.000	0.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	74273786	44736851	51.886	50.123m
2) SA	Decachlor...	10.254	8.889	55017864	49748869	50.341	44.479
	Target Compounds						
3) L1	AR-1016-1	5.679	4.919	22352717	14575244	482.436m	446.887m
4) L1	AR-1016-2	5.702	4.939	34336024	20892241	505.855	464.701
5) L1	AR-1016-3	5.764	5.116	21312002	11906058	500.322	478.463
6) L1	AR-1016-4	5.862	5.158	18109375	9018642	517.404	446.550
7) L1	AR-1016-5	6.155	5.373	15454878	14146523	467.500	527.385
31) L7	AR-1260-1	7.274	6.411	30046490	24122751	514.175	500.166
32) L7	AR-1260-2	7.528	6.599	37026605	30456410	475.841	496.812
33) L7	AR-1260-3	7.886	6.753	30518852	26434354	488.151	439.427m
34) L7	AR-1260-4	8.111	7.226	30847543	22074431	467.552	475.049
35) L7	AR-1260-5	8.431	7.466	63097270	53922596	481.931	485.155

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

Sample Results: **PP069857.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

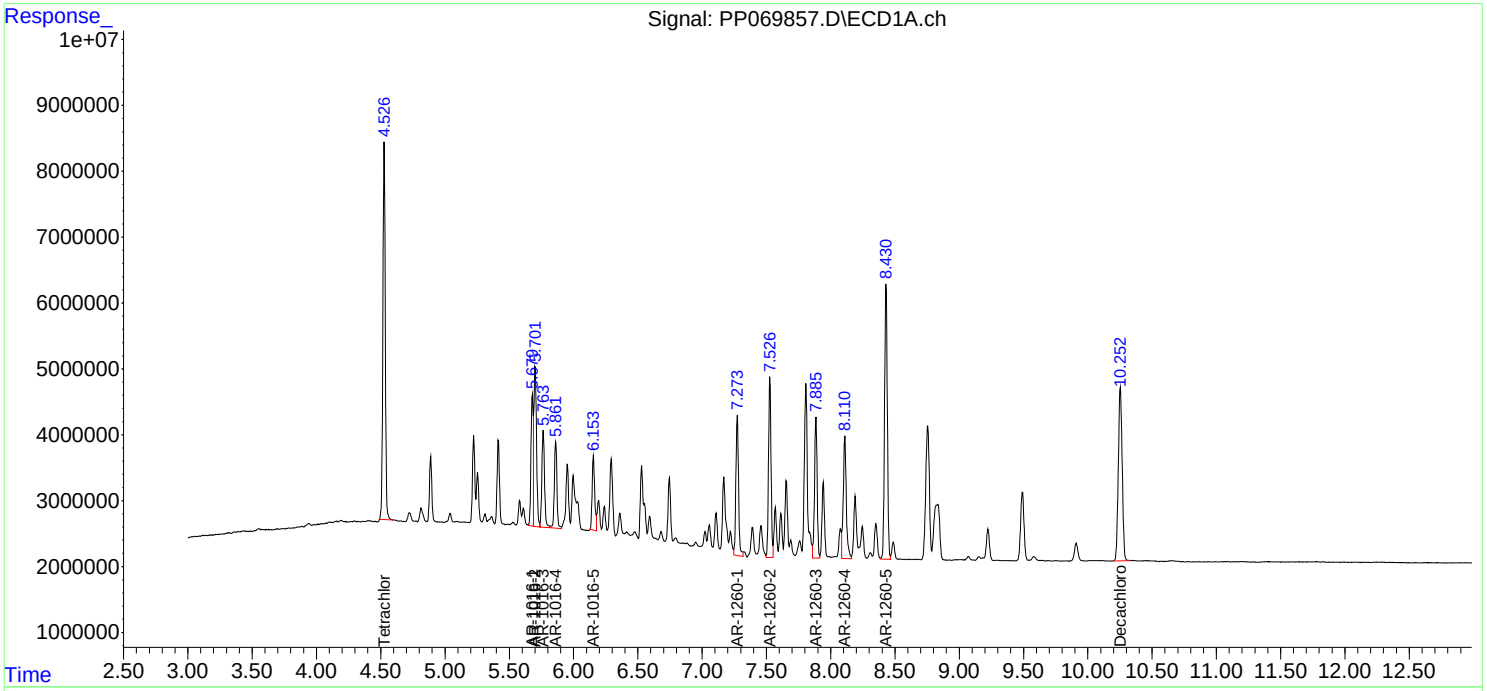
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

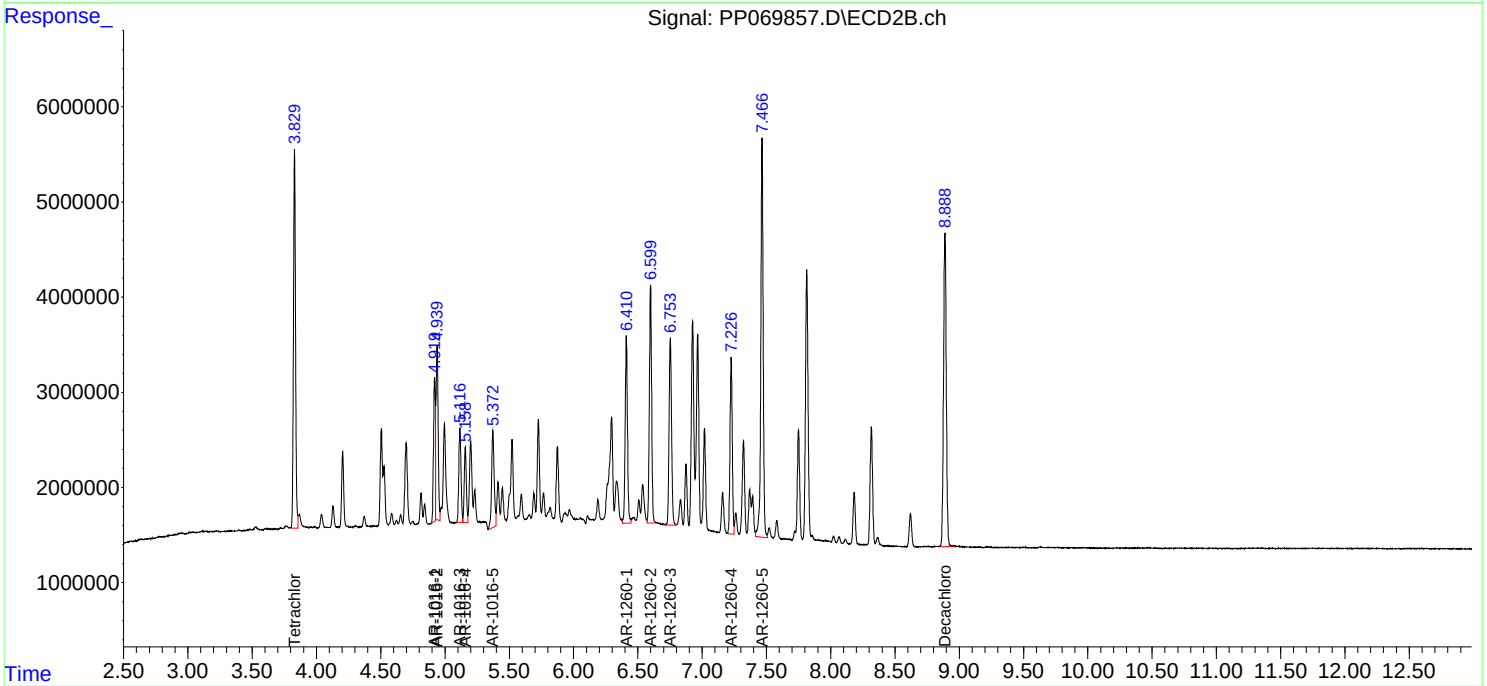
Manual Integrations APPROVED

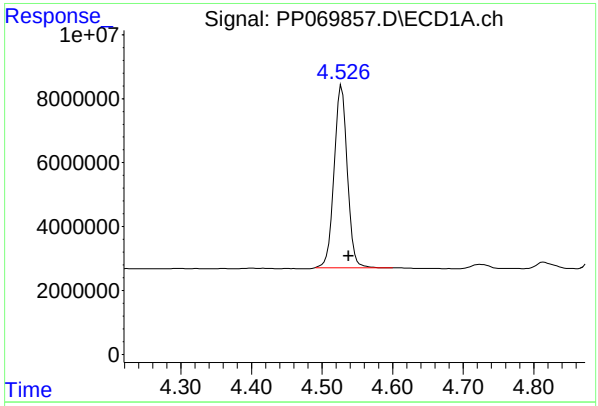
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-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.: -0.010 min
Response: 74273786
Conc: 51.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

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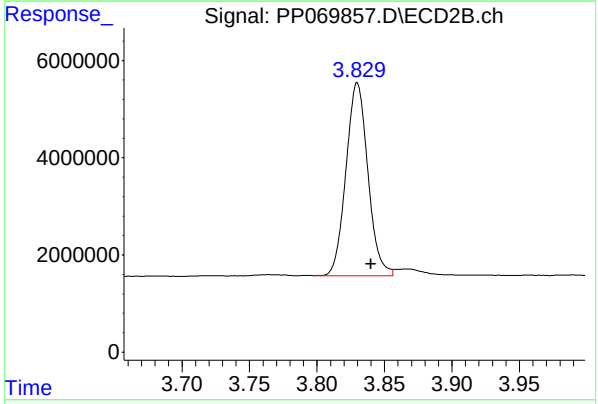
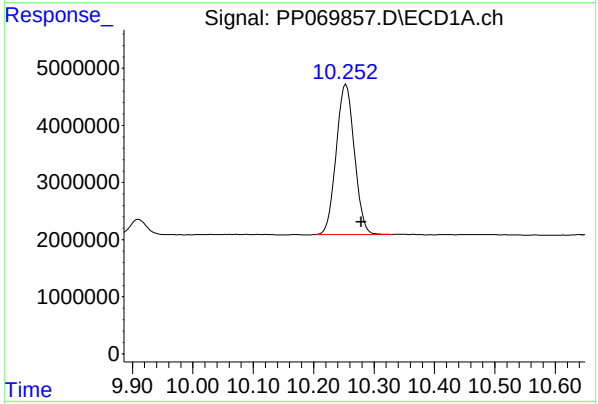


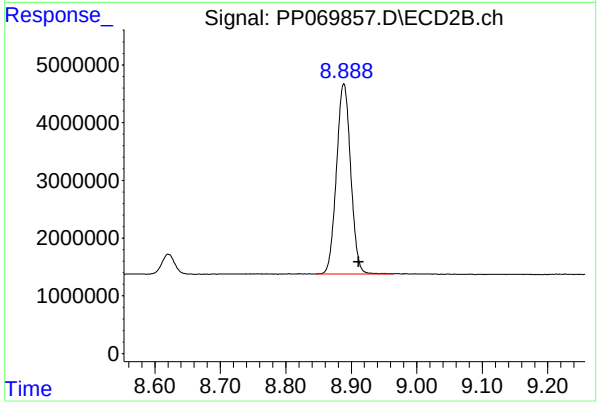
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 44736851
Conc: 50.12 ng/ml m



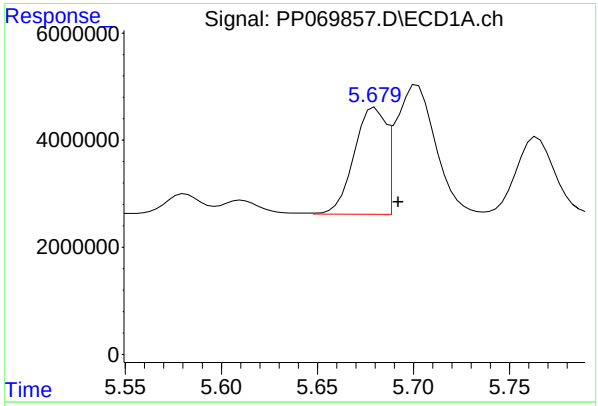
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.025 min
Response: 55017864
Conc: 50.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.023 min
Response: 49748869
Conc: 44.48 ng/ml



#3 AR-1016-1

R.T.: 5.679 min
Delta R.T.: -0.014 mi
Response: 22352717
Conc: 482.44 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
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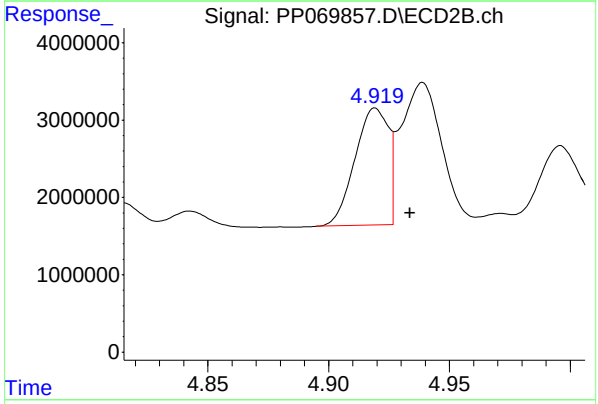
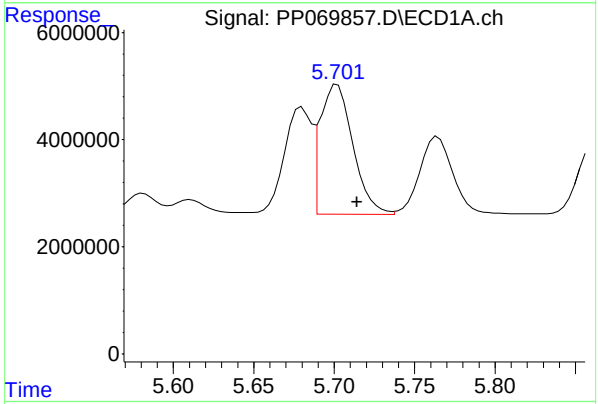


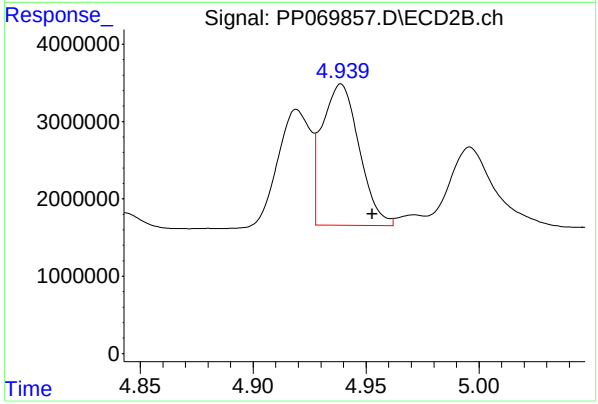
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: -0.015 min
Response: 14575244
Conc: 446.89 ng/ml m



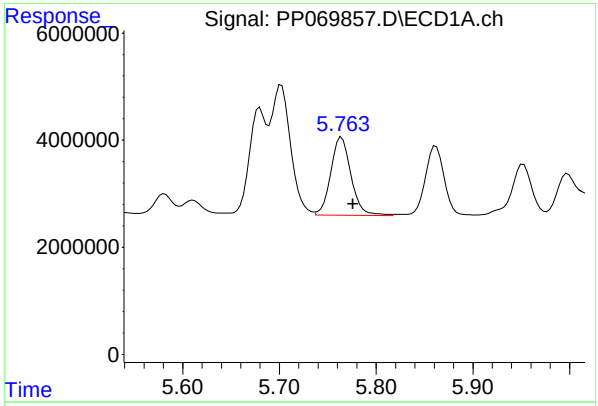
#4 AR-1016-2

R.T.: 5.702 min
Delta R.T.: -0.012 min
Response: 34336024
Conc: 505.86 ng/ml



#4 AR-1016-2

R.T.: 4.939 min
Delta R.T.: -0.014 min
Response: 20892241
Conc: 464.70 ng/ml



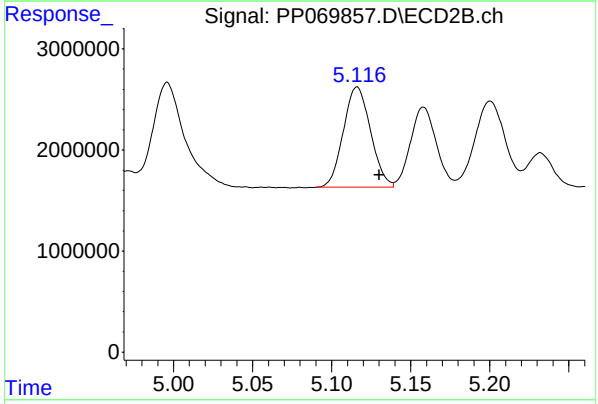
#5 AR-1016-3

R.T.: 5.764 min
Delta R.T.: -0.012 min
Response: 21312002
Conc: 500.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

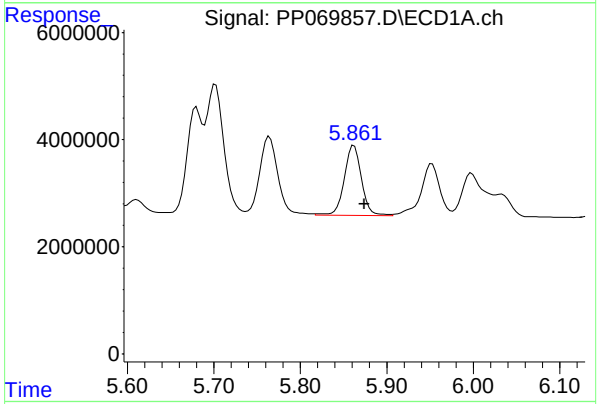
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



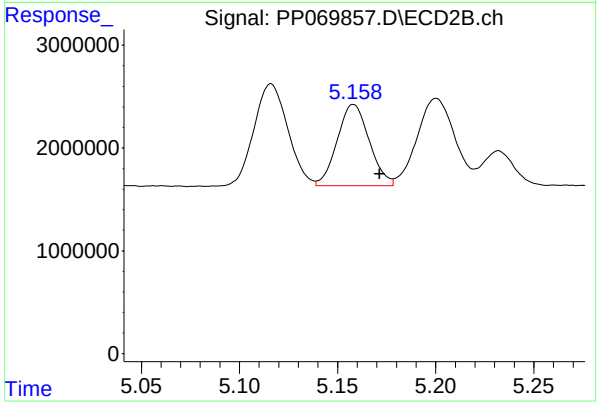
#5 AR-1016-3

R.T.: 5.116 min
Delta R.T.: -0.014 min
Response: 11906058
Conc: 478.46 ng/ml



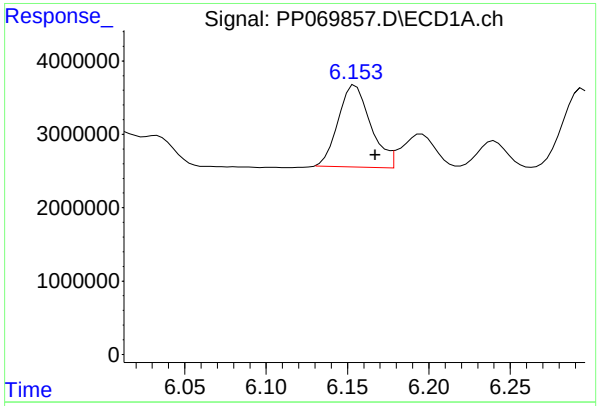
#6 AR-1016-4

R.T.: 5.862 min
Delta R.T.: -0.012 min
Response: 18109375
Conc: 517.40 ng/ml



#6 AR-1016-4

R.T.: 5.158 min
Delta R.T.: -0.013 min
Response: 9018642
Conc: 446.55 ng/ml



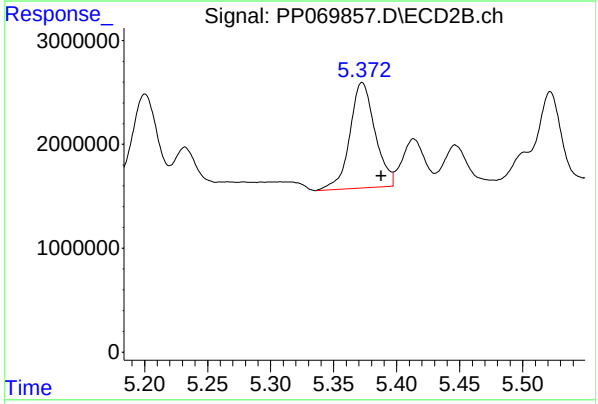
#7 AR-1016-5

R.T.: 6.155 min
Delta R.T.: -0.012 min
Response: 15454878
Conc: 467.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

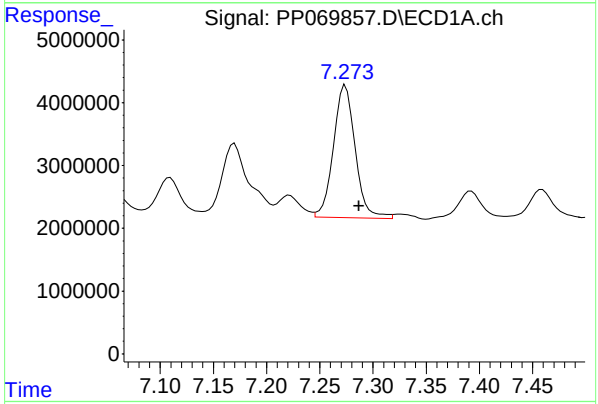
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



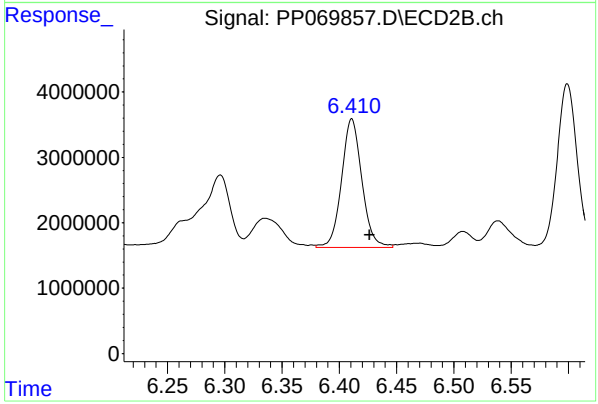
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: -0.015 min
Response: 14146523
Conc: 527.39 ng/ml



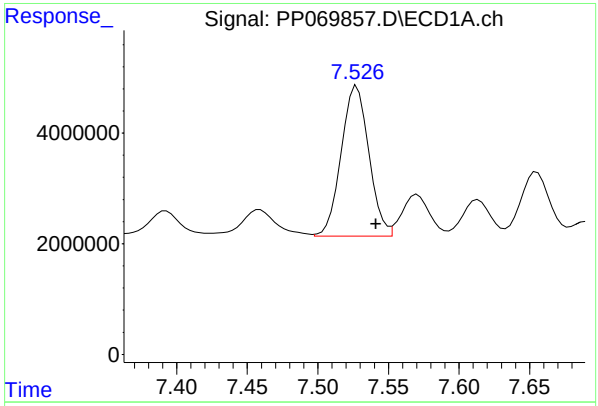
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: -0.013 min
Response: 30046490
Conc: 514.18 ng/ml



#31 AR-1260-1

R.T.: 6.411 min
Delta R.T.: -0.016 min
Response: 24122751
Conc: 500.17 ng/ml



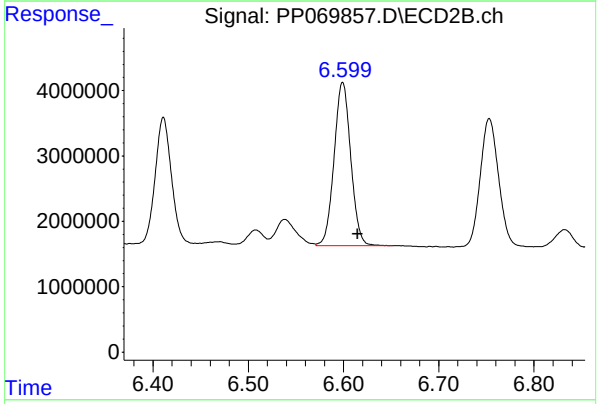
#32 AR-1260-2

R.T.: 7.528 min
Delta R.T.: -0.014 mi
Response: 37026605
Conc: 475.84 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

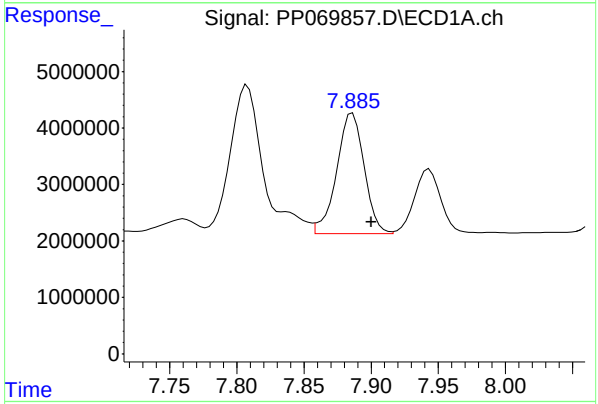
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



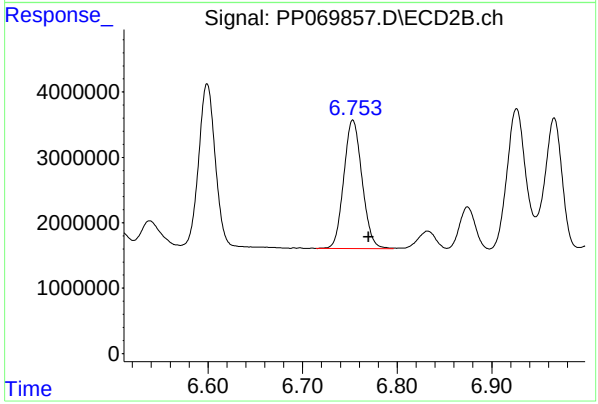
#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: -0.016 min
Response: 30456410
Conc: 496.81 ng/ml



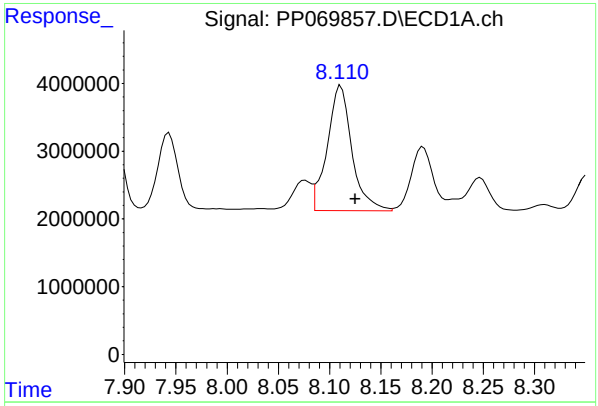
#33 AR-1260-3

R.T.: 7.886 min
Delta R.T.: -0.014 min
Response: 30518852
Conc: 488.15 ng/ml



#33 AR-1260-3

R.T.: 6.753 min
Delta R.T.: -0.017 min
Response: 26434354
Conc: 439.43 ng/ml m



#34 AR-1260-4

R.T.: 8.111 min
Delta R.T.: -0.014 min
Response: 30847543
Conc: 467.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
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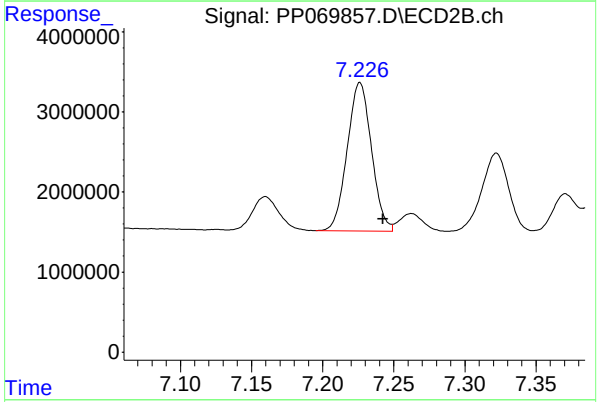
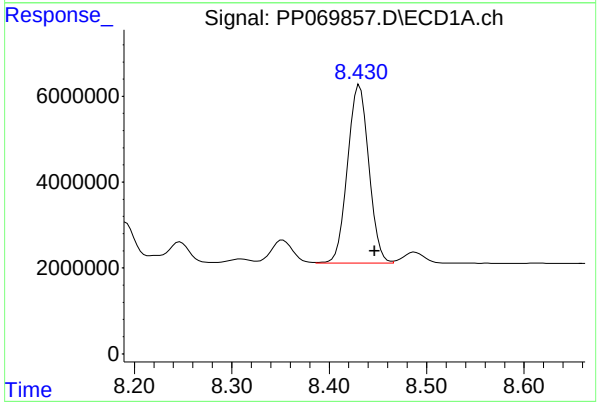


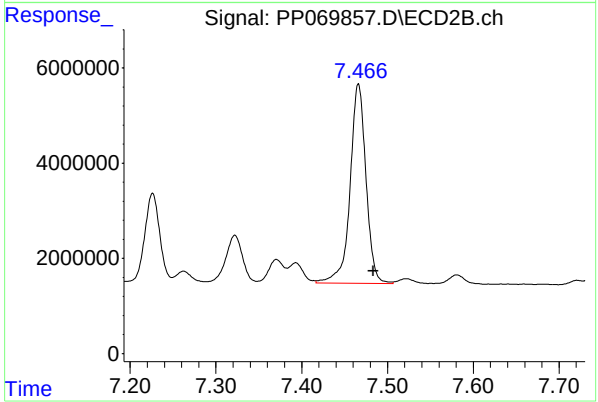
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: -0.016 min
Response: 22074431
Conc: 475.05 ng/ml



#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: -0.016 min
Response: 63097270
Conc: 481.93 ng/ml



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: -0.017 min
Response: 53922596
Conc: 485.16 ng/ml

Raw Data: **PP069860.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	6.53	6.54	6.44	6.64	0.01
Aroclor-1254-2	(2)	6.74	6.76	6.66	6.86	0.02
Aroclor-1254-3	(3)	7.11	7.12	7.02	7.22	0.01
Aroclor-1254-4	(4)	7.39	7.40	7.30	7.50	0.01
Aroclor-1254-5	(5)	7.80	7.82	7.72	7.92	0.02
Tetrachloro-m-xylene		4.52	4.53	4.43	4.63	0.01
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069860.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	5.73	5.74	5.64	5.84	0.01
Aroclor-1254-2	(2)	5.88	5.89	5.79	5.99	0.01
Aroclor-1254-3	(3)	6.28	6.30	6.20	6.40	0.02
Aroclor-1254-4	(4)	6.51	6.52	6.42	6.62	0.01
Aroclor-1254-5	(5)	6.93	6.94	6.84	7.04	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069860.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069860.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	6.525	6.439	6.639	464.010	500.000	-7.2
Aroclor-1254-2	6.742	6.656	6.856	546.680	500.000	9.3
Aroclor-1254-3	7.105	7.019	7.219	516.820	500.000	3.4
Aroclor-1254-4	7.387	7.301	7.501	526.820	500.000	5.4
Aroclor-1254-5	7.803	7.719	7.919	478.070	500.000	-4.4
Decachlorobiphenyl	10.250	10.175	10.375	51.860	50.000	3.7
Tetrachloro-m-xylene	4.524	4.434	4.634	54.550	50.000	9.1

Raw Data: **PP069860.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069860.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	5.727	5.642	5.842	504.880	500.000	1.0
Aroclor-1254-2	5.875	5.790	5.990	499.940	500.000	0.0
Aroclor-1254-3	6.280	6.195	6.395	500.560	500.000	0.1
Aroclor-1254-4	6.509	6.423	6.623	507.630	500.000	1.5
Aroclor-1254-5	6.928	6.844	7.044	497.110	500.000	-0.6
Decachlorobiphenyl	8.888	8.809	9.009	50.310	50.000	0.6
Tetrachloro-m-xylene	3.830	3.740	3.940	53.290	50.000	6.6

Sample Results: **PP069860.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:23
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:28:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	78093128	47565043	54.554	53.292m
2)	SA Decachlor...	10.250	8.888	56677888	56266174	51.860	50.306
	Target Compounds						
26)	L6 AR-1254-1	6.525	5.727	26849346	27796555	464.010m	504.880
27)	L6 AR-1254-2	6.742	5.875	43866222	24181699	546.675	499.944
28)	L6 AR-1254-3	7.105	6.280	43561594	37990877	516.816	500.564
29)	L6 AR-1254-4	7.387	6.509	35922940	26015860	526.823	507.629
30)	L6 AR-1254-5	7.803	6.928	32530785	33088182	478.069m	497.115

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:23
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

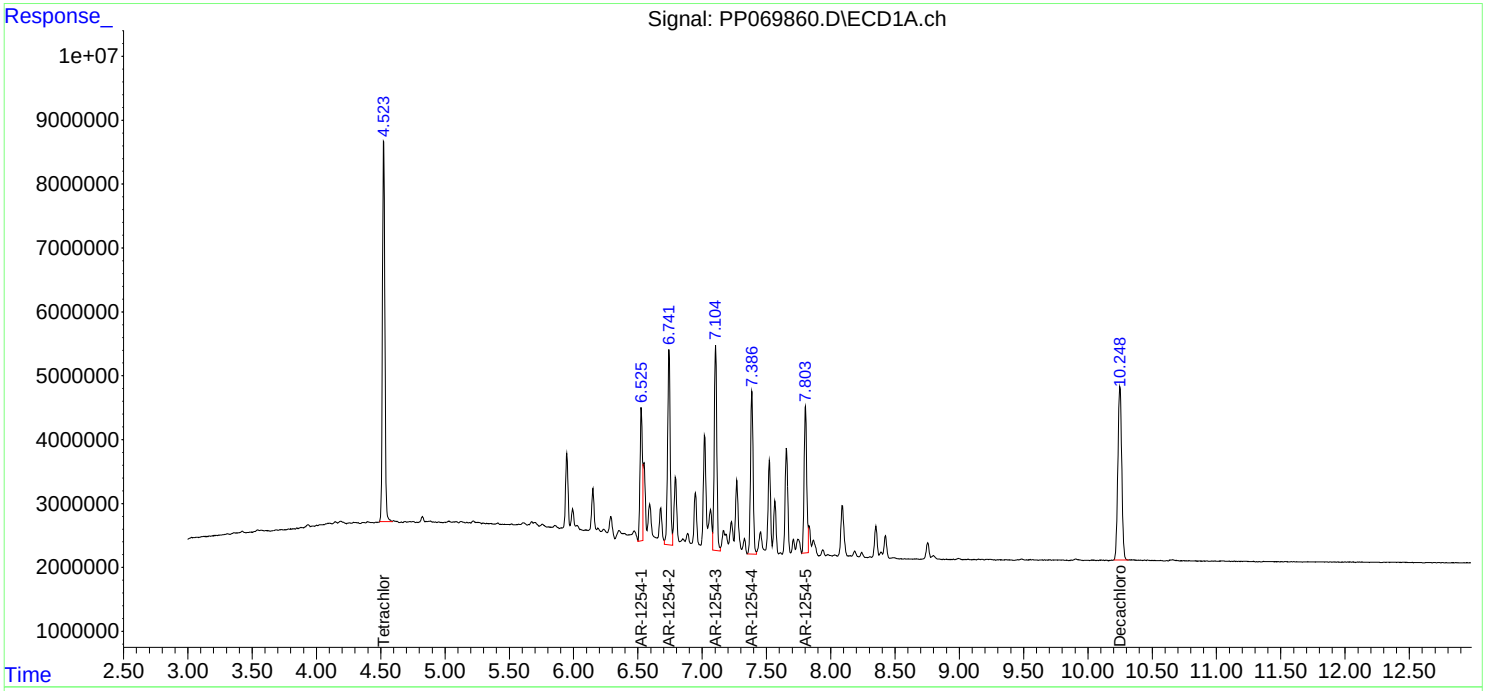
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:28:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

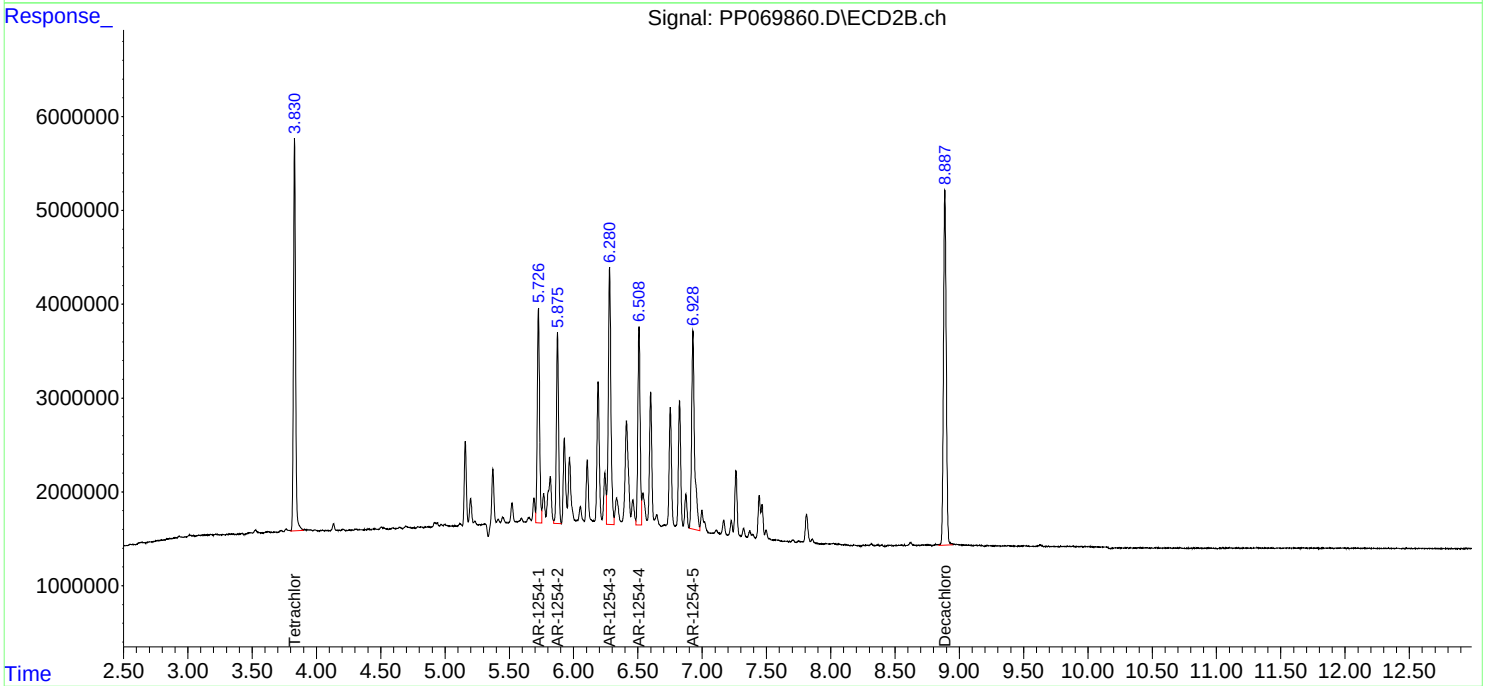
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

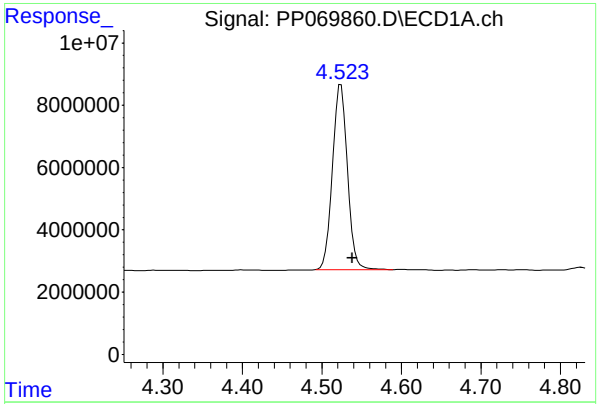
Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025







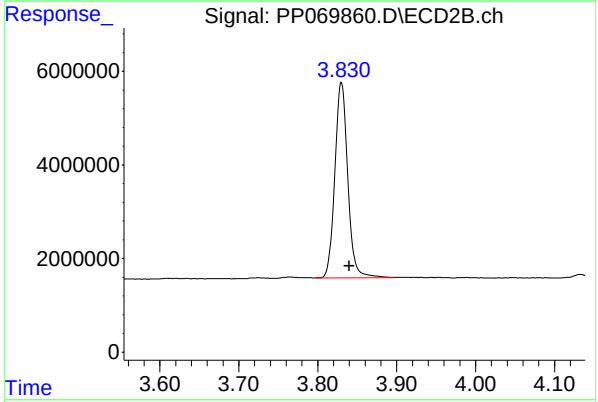
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.014 mi
Response: 78093128
Conc: 54.55 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

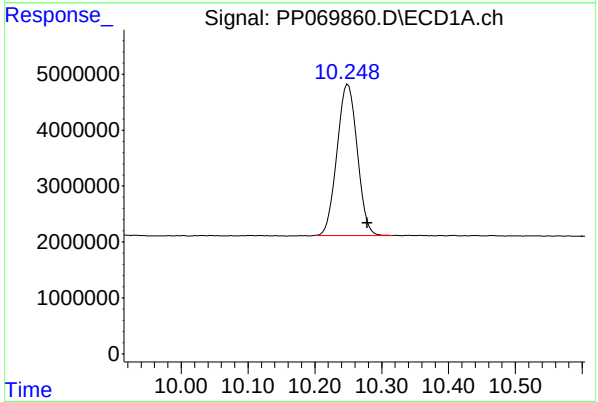
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



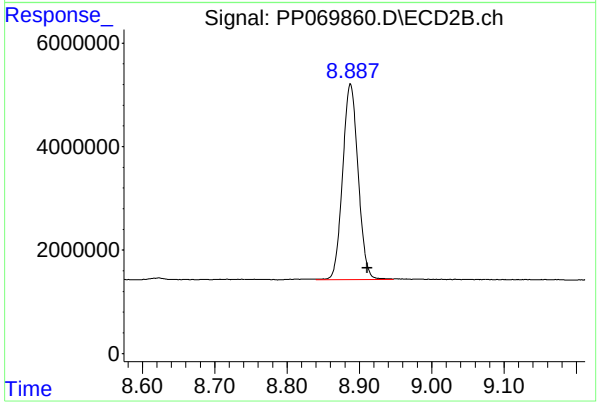
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 47565043
Conc: 53.29 ng/ml m



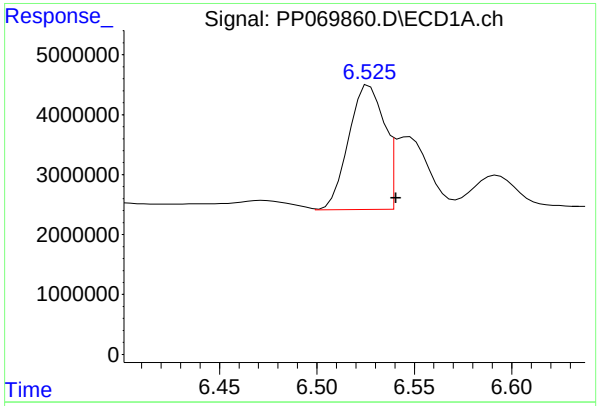
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.029 min
Response: 56677888
Conc: 51.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.024 min
Response: 56266174
Conc: 50.31 ng/ml



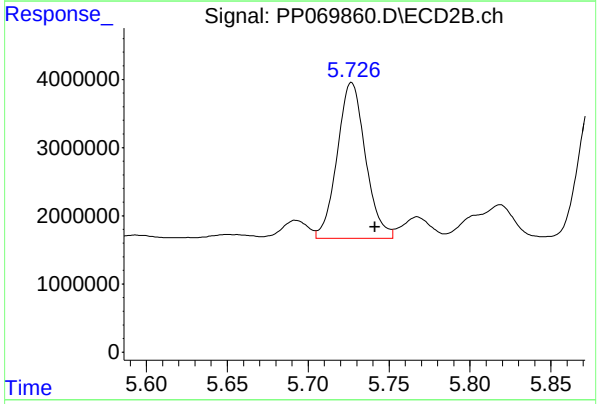
#26 AR-1254-1

R.T.: 6.525 min
Delta R.T.: -0.015 min
Response: 26849346
Conc: 464.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

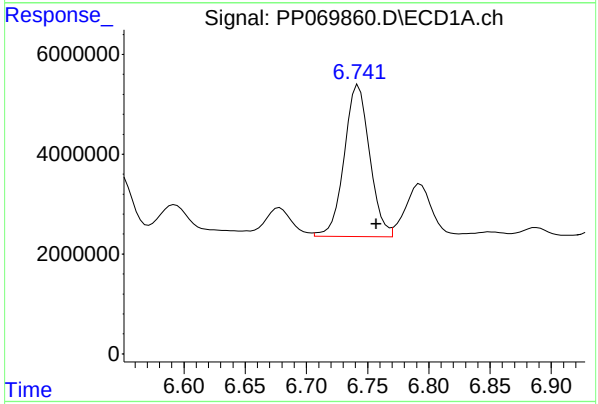
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



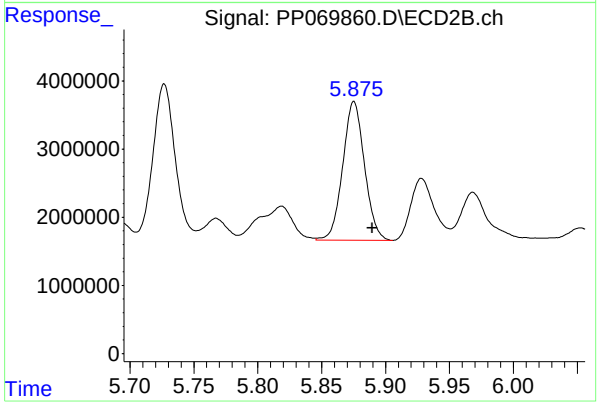
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: -0.014 min
Response: 27796555
Conc: 504.88 ng/ml



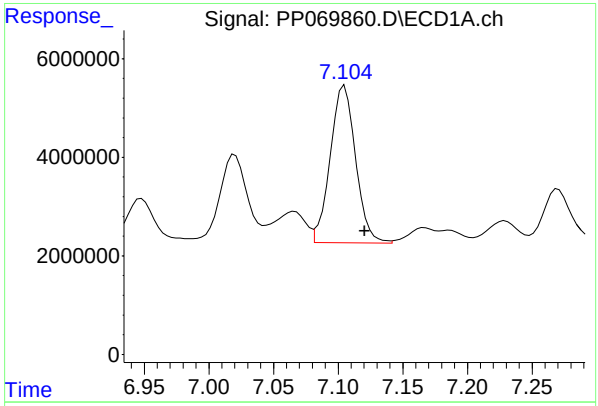
#27 AR-1254-2

R.T.: 6.742 min
Delta R.T.: -0.015 min
Response: 43866222
Conc: 546.68 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: -0.014 min
Response: 24181699
Conc: 499.94 ng/ml



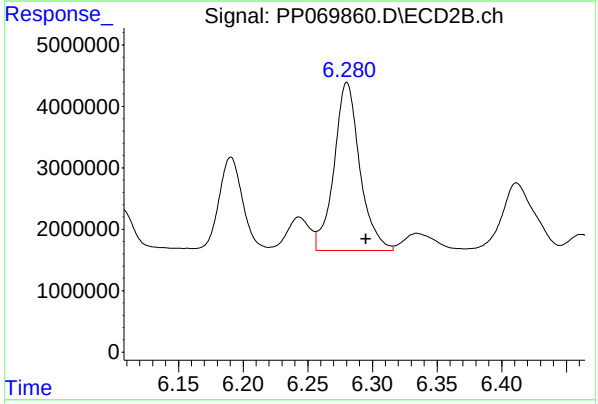
#28 AR-1254-3

R.T.: 7.105 min
Delta R.T.: -0.015 min
Response: 43561594
Conc: 516.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

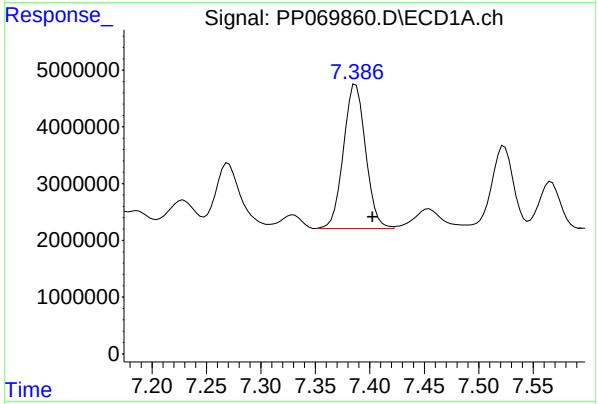
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



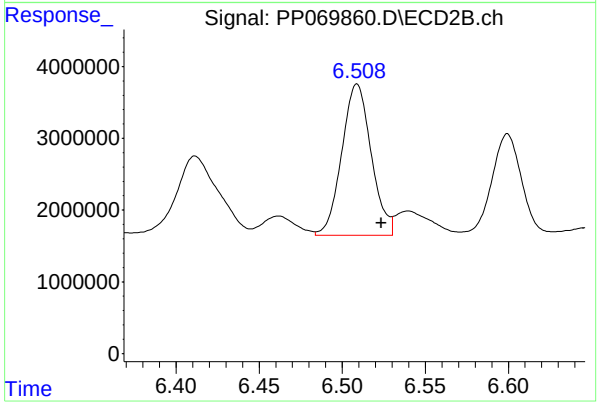
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: -0.015 min
Response: 37990877
Conc: 500.56 ng/ml



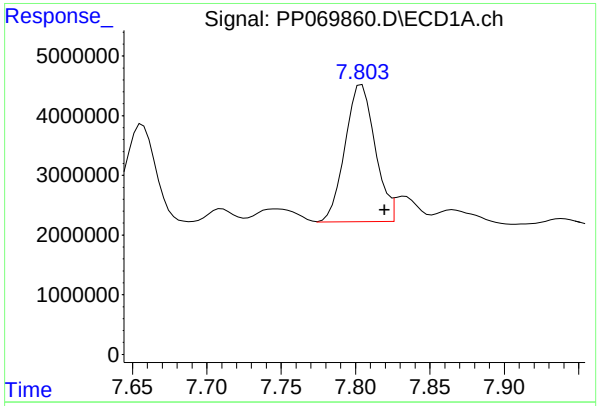
#29 AR-1254-4

R.T.: 7.387 min
Delta R.T.: -0.016 min
Response: 35922940
Conc: 526.82 ng/ml



#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: -0.015 min
Response: 26015860
Conc: 507.63 ng/ml



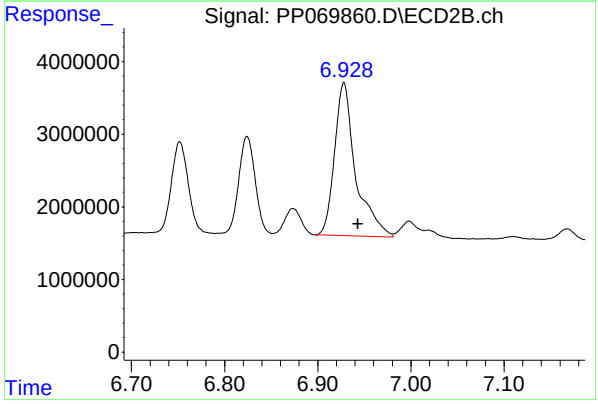
#30 AR-1254-5

R.T.: 7.803 min
Delta R.T.: -0.017 min
Response: 32530785
Conc: 478.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: -0.015 min
Response: 33088182
Conc: 497.11 ng/ml

Raw Data: **PP069917.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 17:03 **Initial Calibration Time(s):** 09:37 17:30

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	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.89	7.90	7.80	8.00	0.01
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.52	4.54	4.44	4.64	0.02
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069917.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 17:03 **Initial Calibration Time(s):** 09:37 17:30

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)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL07 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069917.D **Time Analyzed:** 17:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.677	5.592	5.792	498.870	500.000	-0.2
Aroclor-1016-2	5.700	5.614	5.814	524.890	500.000	5.0
Aroclor-1016-3	5.762	5.676	5.876	506.260	500.000	1.3
Aroclor-1016-4	5.860	5.774	5.974	511.780	500.000	2.4
Aroclor-1016-5	6.151	6.067	6.267	515.140	500.000	3.0
Aroclor-1260-1	7.272	7.187	7.387	528.180	500.000	5.6
Aroclor-1260-2	7.526	7.441	7.641	498.650	500.000	-0.3
Aroclor-1260-3	7.885	7.800	8.000	513.520	500.000	2.7
Aroclor-1260-4	8.109	8.025	8.225	486.170	500.000	-2.8
Aroclor-1260-5	8.429	8.347	8.547	502.940	500.000	0.6
Decachlorobiphenyl	10.252	10.179	10.379	52.360	50.000	4.7
Tetrachloro-m-xylene	4.524	4.438	4.638	53.840	50.000	7.7

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL07 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069917.D **Time Analyzed:** 17:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.919	4.834	5.034	507.320	500.000	1.5
Aroclor-1016-2	4.939	4.853	5.053	487.140	500.000	-2.6
Aroclor-1016-3	5.117	5.030	5.230	504.060	500.000	0.8
Aroclor-1016-4	5.158	5.072	5.272	470.460	500.000	-5.9
Aroclor-1016-5	5.373	5.288	5.488	500.290	500.000	0.1
Aroclor-1260-1	6.412	6.326	6.526	539.520	500.000	7.9
Aroclor-1260-2	6.600	6.515	6.715	548.700	500.000	9.7
Aroclor-1260-3	6.754	6.670	6.870	478.090	500.000	-4.4
Aroclor-1260-4	7.227	7.142	7.342	534.290	500.000	6.9
Aroclor-1260-5	7.467	7.384	7.584	545.220	500.000	9.0
Decachlorobiphenyl	8.889	8.811	9.011	50.550	50.000	1.1
Tetrachloro-m-xylene	3.830	3.740	3.940	52.130	50.000	4.3

Sample Results: **PP069917.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:03
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	77075011	46524845	53.843m	52.126m
2)	SA Decachlor...	10.252	8.889	57225239	56542283	52.361	50.553
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.919	23113985	16546304	498.867m	507.321m
4)	L1 AR-1016-2	5.700	4.939	35628299	21901219	524.894	487.144
5)	L1 AR-1016-3	5.762	5.117	21564810	12543077	506.257	504.062
6)	L1 AR-1016-4	5.860	5.158	17912421	9501531	511.777	470.460
7)	L1 AR-1016-5	6.151	5.373	17029819	13419837	515.141m	500.294m
31)	L7 AR-1260-1	7.272	6.412	30865026	26020594	528.183	539.516
32)	L7 AR-1260-2	7.526	6.600	38801748	33637161	498.654	548.697
33)	L7 AR-1260-3	7.885	6.754	32104881	28760409	513.520	478.094m
34)	L7 AR-1260-4	8.109	7.227	32076030	24827098	486.172	534.287
35)	L7 AR-1260-5	8.429	7.467	65847835	60598421	502.940	545.219

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:03
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

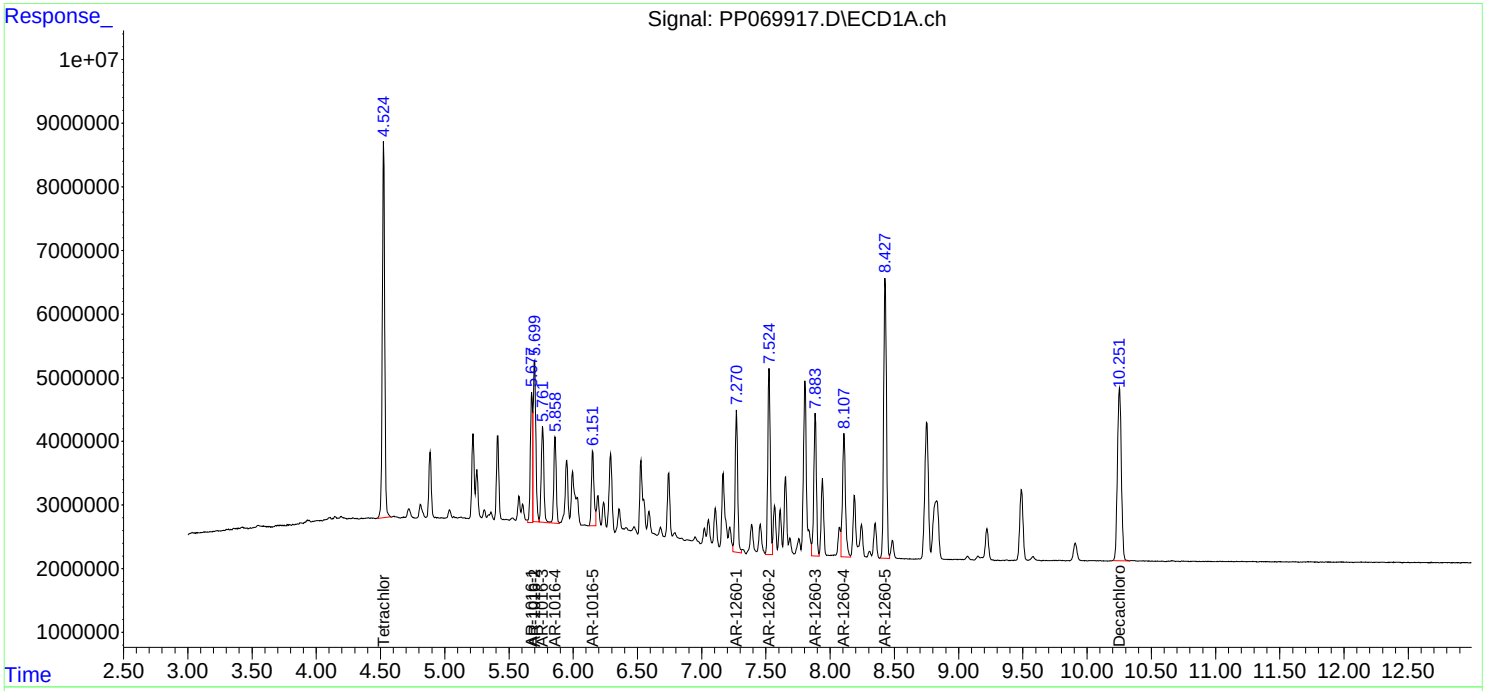
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

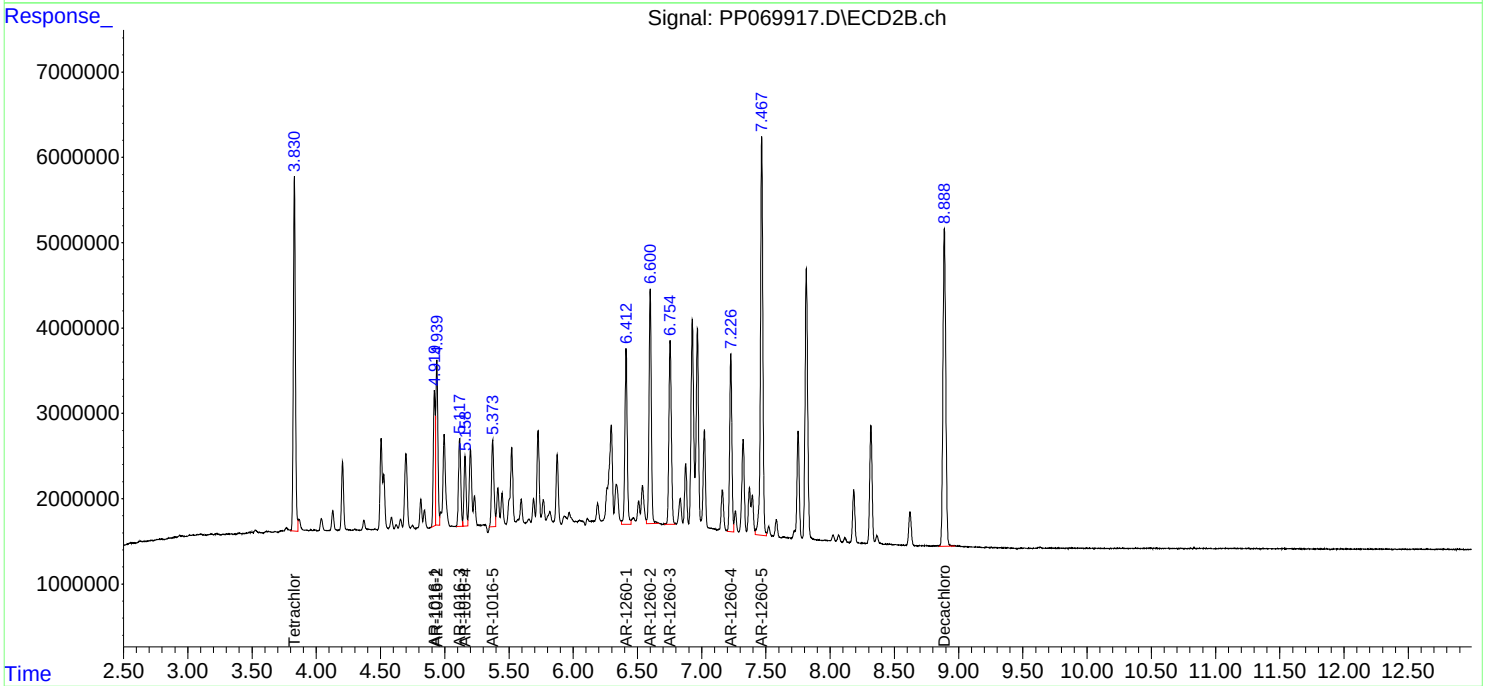
Manual Integrations APPROVED

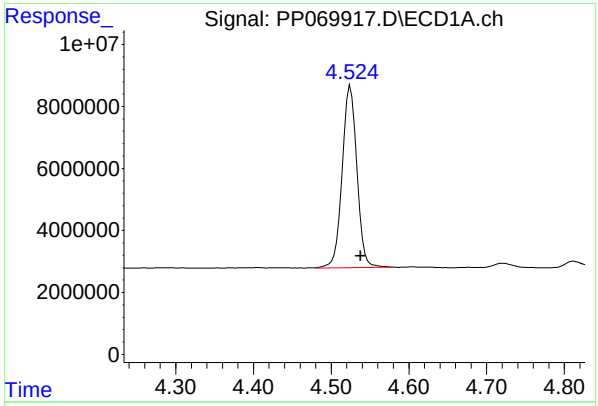
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







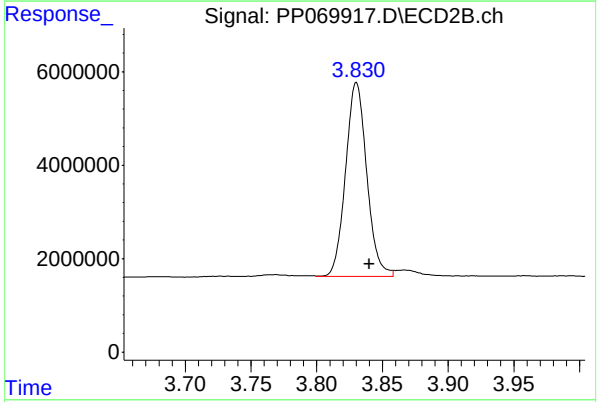
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.014 min
Response: 77075011
Conc: 53.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

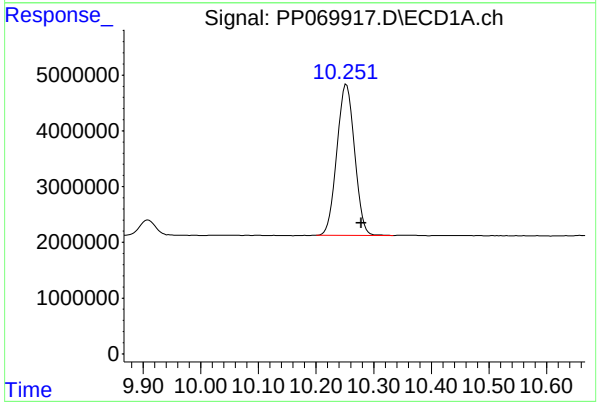
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



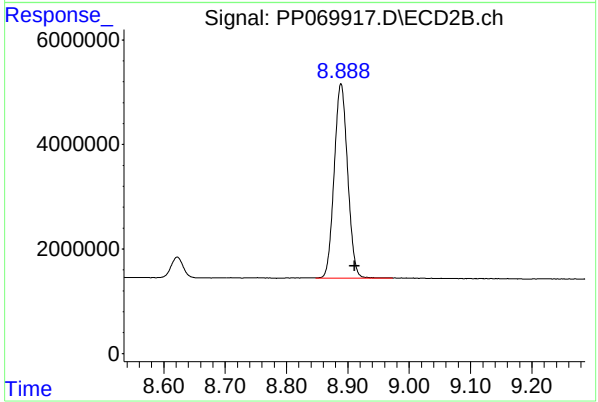
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 46524845
Conc: 52.13 ng/ml m



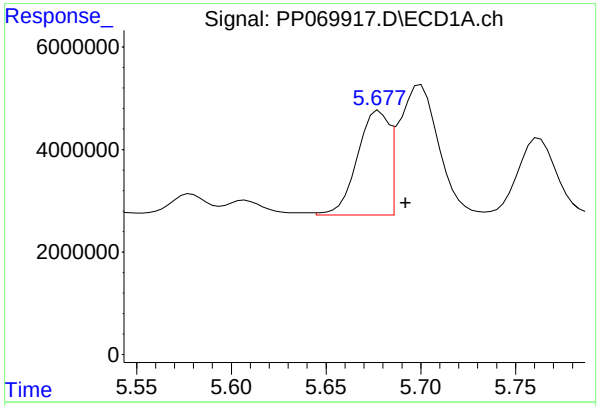
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.026 min
Response: 57225239
Conc: 52.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 56542283
Conc: 50.55 ng/ml



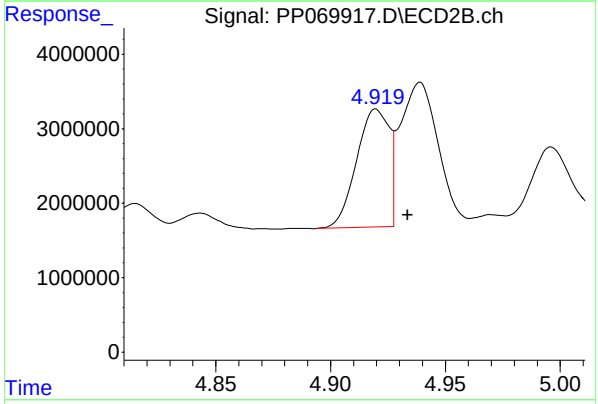
#3 AR-1016-1

R.T.: 5.677 min
Delta R.T.: -0.015 min
Response: 23113985
Conc: 498.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

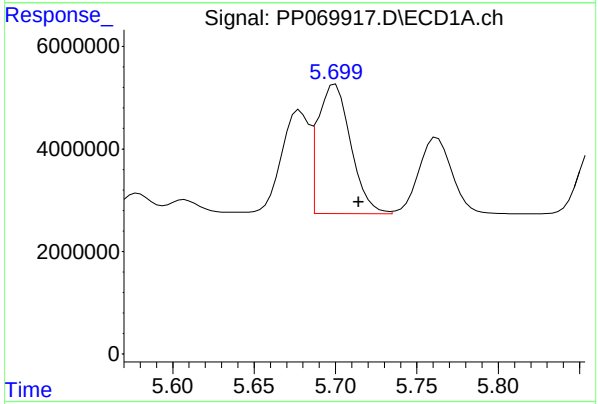
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



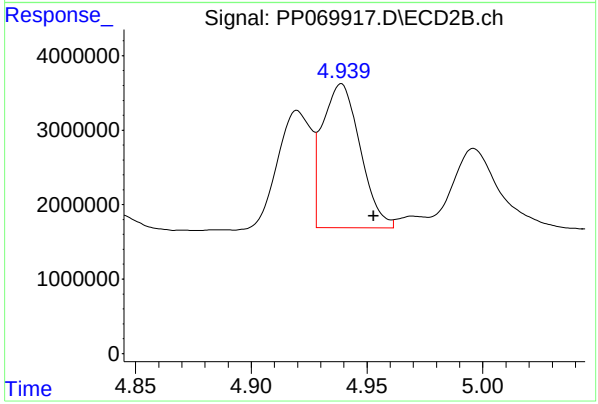
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: -0.014 min
Response: 16546304
Conc: 507.32 ng/ml m



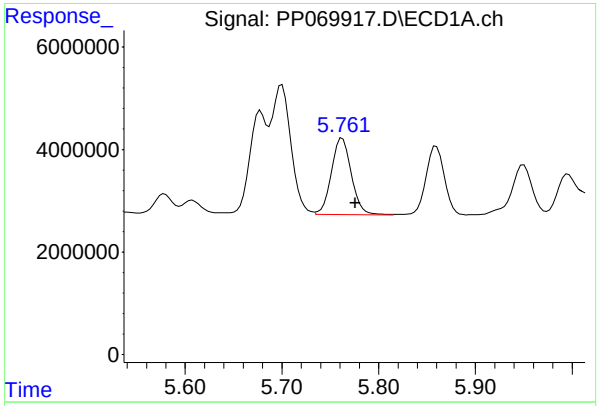
#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: -0.014 min
Response: 35628299
Conc: 524.89 ng/ml



#4 AR-1016-2

R.T.: 4.939 min
Delta R.T.: -0.014 min
Response: 21901219
Conc: 487.14 ng/ml



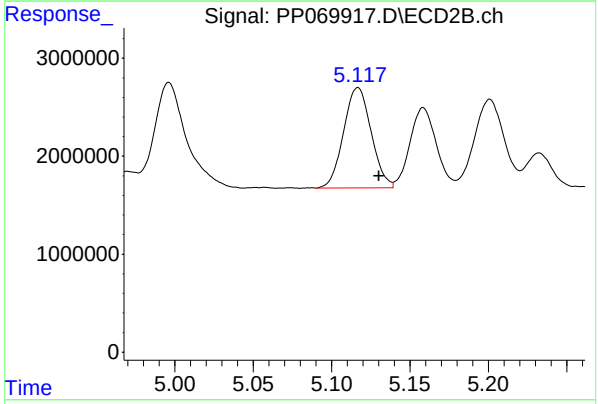
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: -0.014 min
Response: 21564810
Conc: 506.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

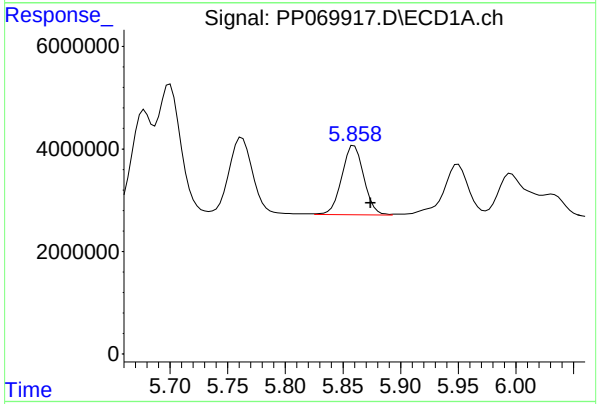
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



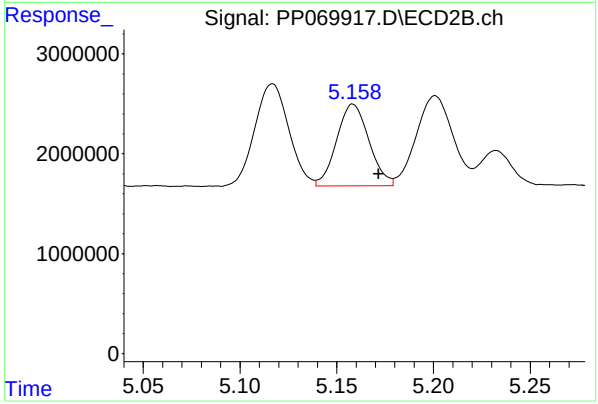
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: -0.014 min
Response: 12543077
Conc: 504.06 ng/ml



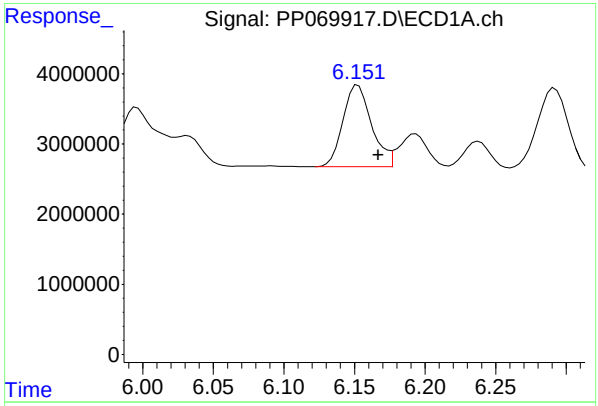
#6 AR-1016-4

R.T.: 5.860 min
Delta R.T.: -0.014 min
Response: 17912421
Conc: 511.78 ng/ml



#6 AR-1016-4

R.T.: 5.158 min
Delta R.T.: -0.013 min
Response: 9501531
Conc: 470.46 ng/ml



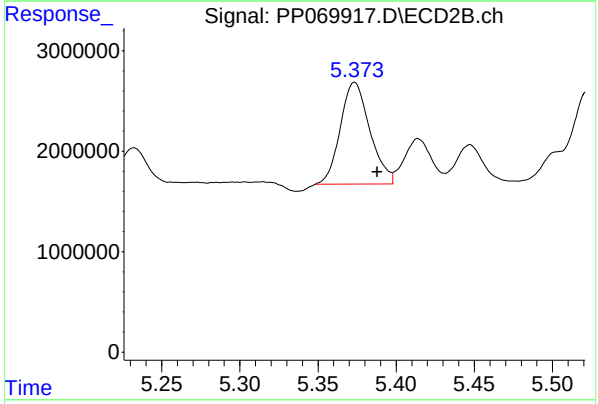
#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: -0.016 mi
Response: 17029819
Conc: 515.14 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

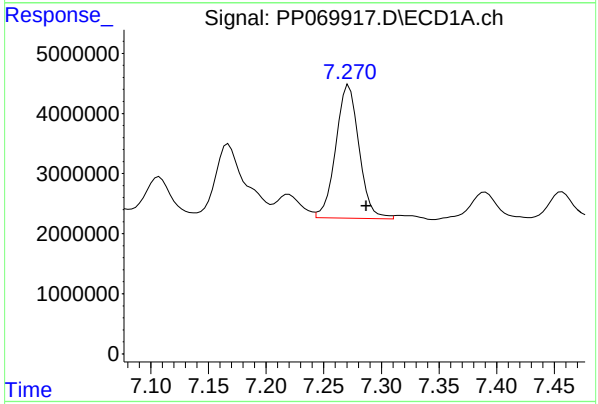
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



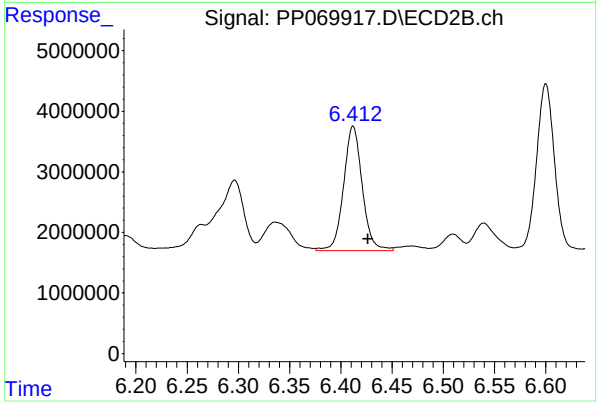
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: -0.015 min
Response: 13419837
Conc: 500.29 ng/ml m



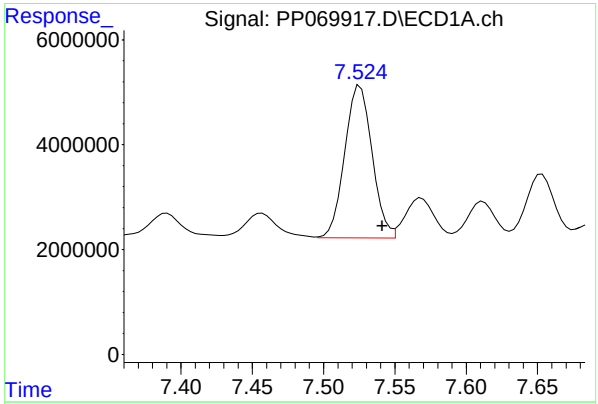
#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: -0.015 min
Response: 30865026
Conc: 528.18 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: -0.015 min
Response: 26020594
Conc: 539.52 ng/ml



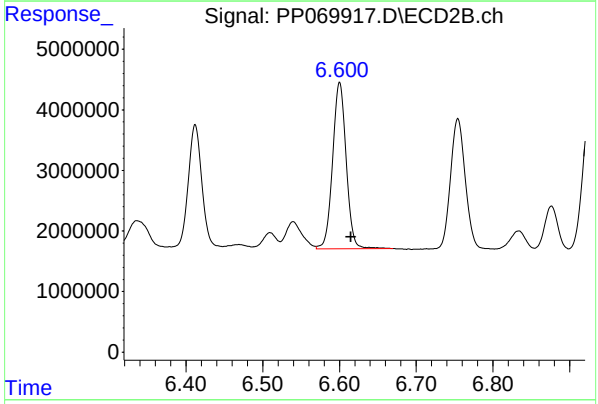
#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: -0.016 mi
Response: 38801748
Conc: 498.65 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

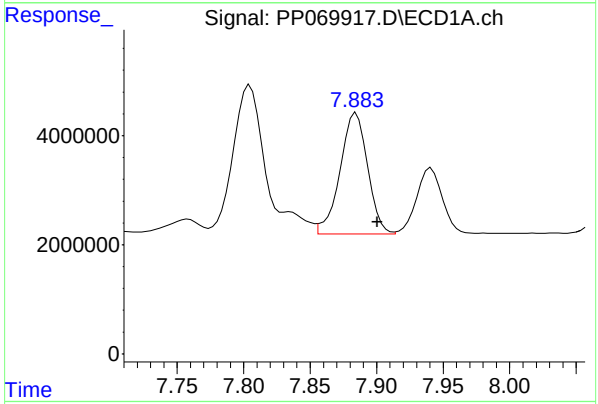
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



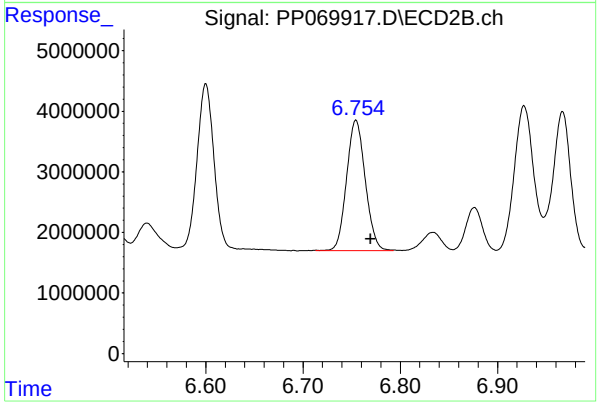
#32 AR-1260-2

R.T.: 6.600 min
Delta R.T.: -0.015 min
Response: 33637161
Conc: 548.70 ng/ml



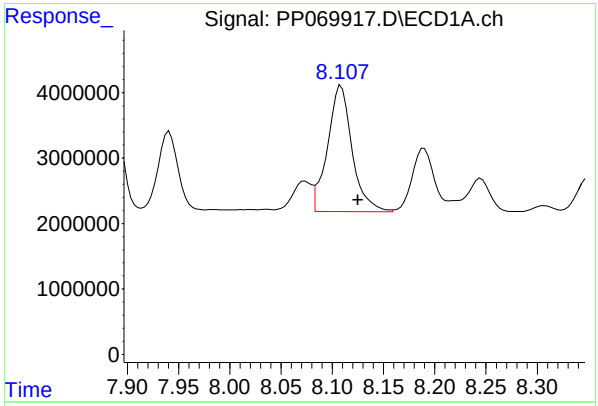
#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: -0.016 min
Response: 32104881
Conc: 513.52 ng/ml



#33 AR-1260-3

R.T.: 6.754 min
Delta R.T.: -0.016 min
Response: 28760409
Conc: 478.09 ng/ml m



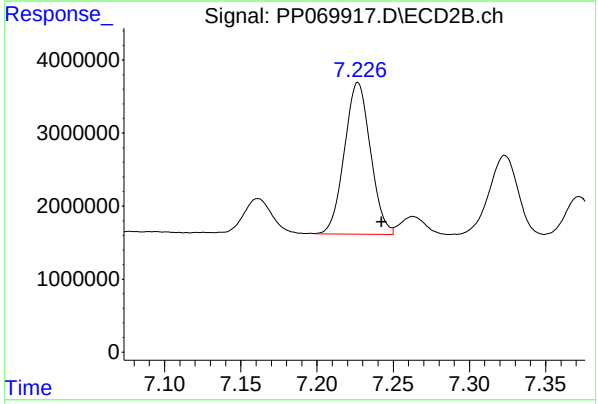
#34 AR-1260-4

R.T.: 8.109 min
Delta R.T.: -0.017 min
Response: 32076030
Conc: 486.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

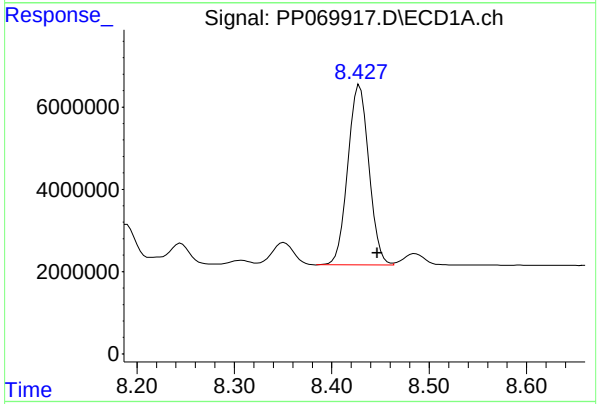
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



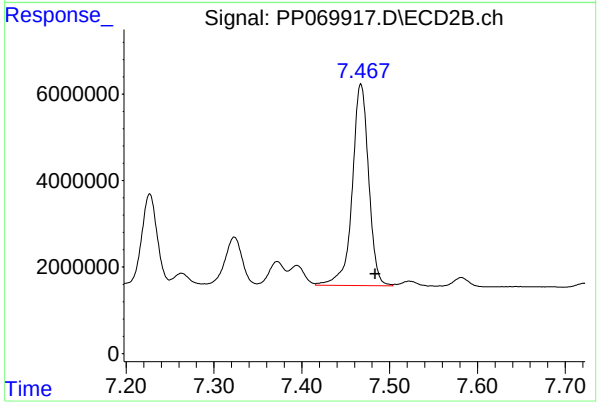
#34 AR-1260-4

R.T.: 7.227 min
Delta R.T.: -0.016 min
Response: 24827098
Conc: 534.29 ng/ml



#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: -0.018 min
Response: 65847835
Conc: 502.94 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: -0.016 min
Response: 60598421
Conc: 545.22 ng/ml

Raw Data: **PP069920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 17:52 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	6.53	6.54	6.44	6.64	0.01
Aroclor-1254-2	(2)	6.75	6.76	6.66	6.86	0.01
Aroclor-1254-3	(3)	7.11	7.12	7.02	7.22	0.01
Aroclor-1254-4	(4)	7.39	7.40	7.30	7.50	0.01
Aroclor-1254-5	(5)	7.81	7.82	7.72	7.92	0.01
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.28	10.18	10.38	0.02

Raw Data: **PP069920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 17:52 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	5.73	5.74	5.64	5.84	0.01
Aroclor-1254-2	(2)	5.88	5.89	5.79	5.99	0.01
Aroclor-1254-3	(3)	6.28	6.30	6.20	6.40	0.02
Aroclor-1254-4	(4)	6.51	6.52	6.42	6.62	0.01
Aroclor-1254-5	(5)	6.93	6.94	6.84	7.04	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL08 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069920.D **Time Analyzed:** 17:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	6.530	6.439	6.639	498.950	500.000	-0.2
Aroclor-1254-2	6.746	6.656	6.856	529.500	500.000	5.9
Aroclor-1254-3	7.109	7.019	7.219	510.030	500.000	2.0
Aroclor-1254-4	7.391	7.301	7.501	516.180	500.000	3.2
Aroclor-1254-5	7.808	7.719	7.919	509.500	500.000	1.9
Decachlorobiphenyl	10.256	10.175	10.375	52.250	50.000	4.5
Tetrachloro-m-xylene	4.527	4.434	4.634	54.740	50.000	9.5

Raw Data: **PP069920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL08 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069920.D **Time Analyzed:** 17:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	5.726	5.642	5.842	487.080	500.000	-2.6
Aroclor-1254-2	5.875	5.790	5.990	492.350	500.000	-1.5
Aroclor-1254-3	6.280	6.195	6.395	499.690	500.000	-0.1
Aroclor-1254-4	6.509	6.423	6.623	537.170	500.000	7.4
Aroclor-1254-5	6.928	6.844	7.044	514.790	500.000	3.0
Decachlorobiphenyl	8.888	8.809	9.009	47.810	50.000	-4.4
Tetrachloro-m-xylene	3.829	3.740	3.940	53.290	50.000	6.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:52
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:51:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	78359993	47565755	54.741	53.293m
2)	SA Decachlor...	10.256	8.888	57108513	53476421	52.254	47.812
	Target Compounds						
26)	L6 AR-1254-1	6.530	5.726	28871304	26816755	498.954	487.083
27)	L6 AR-1254-2	6.746	5.875	42488153	23814541	529.501	492.353
28)	L6 AR-1254-3	7.109	6.280	42989779	37924622	510.032	499.691
29)	L6 AR-1254-4	7.391	6.509	35196918	27529604	516.176	537.166
30)	L6 AR-1254-5	7.808	6.928	34669202	34264507	509.495	514.788

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

Sample Results: **PP069920.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:52
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

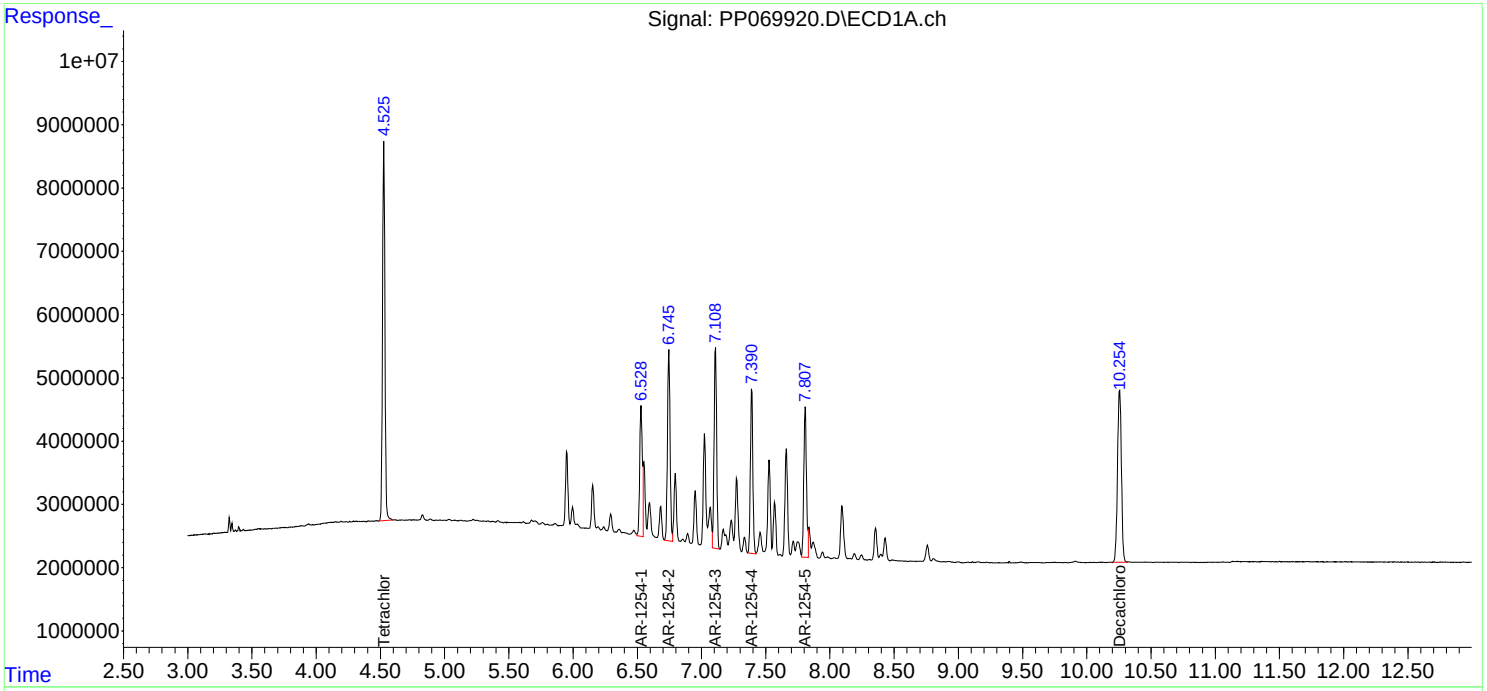
Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

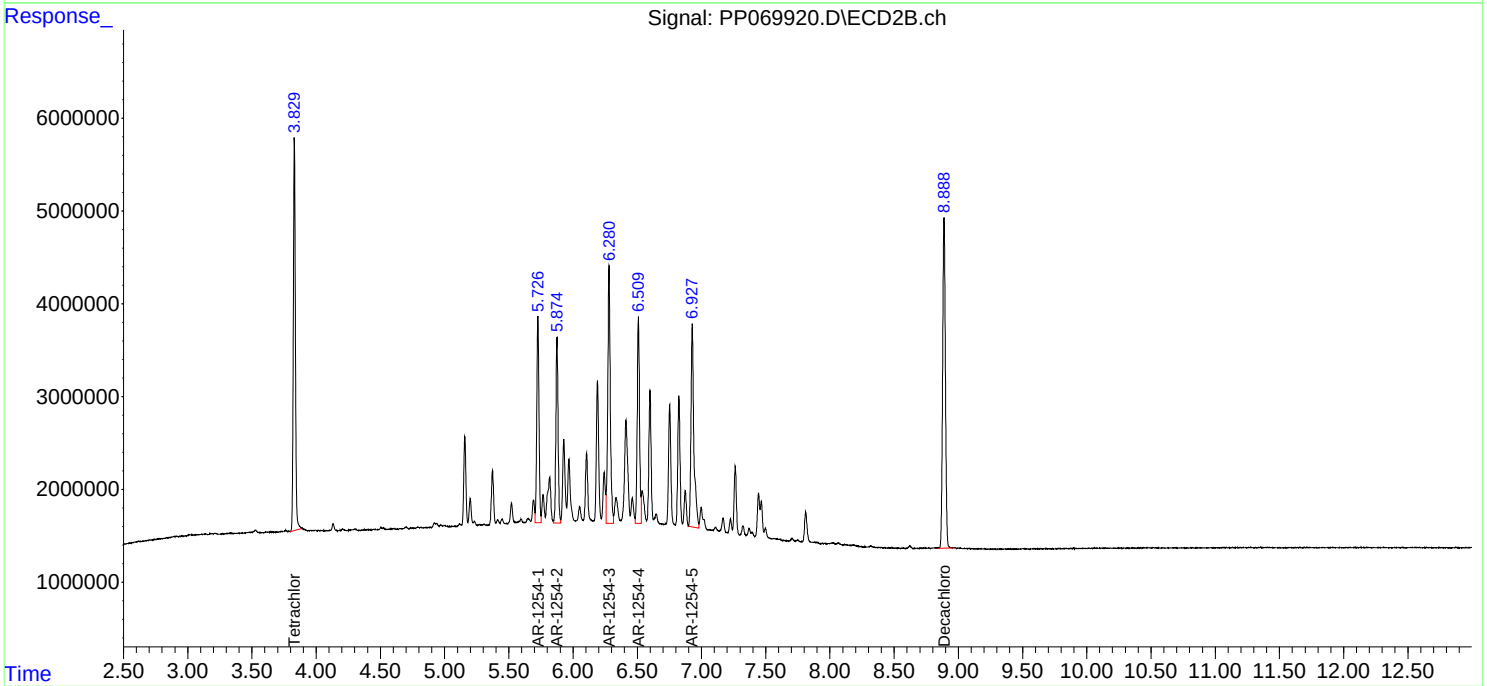
Manual Integrations APPROVED

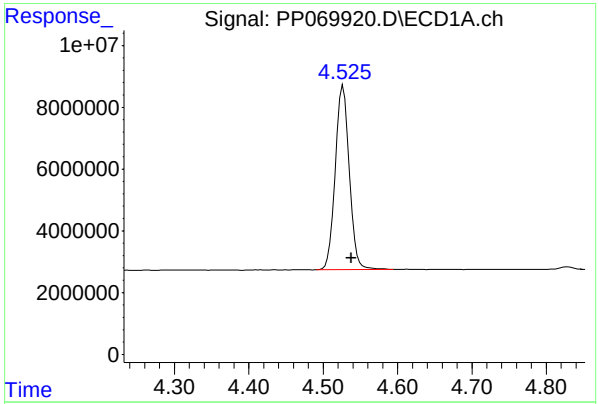
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:51:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







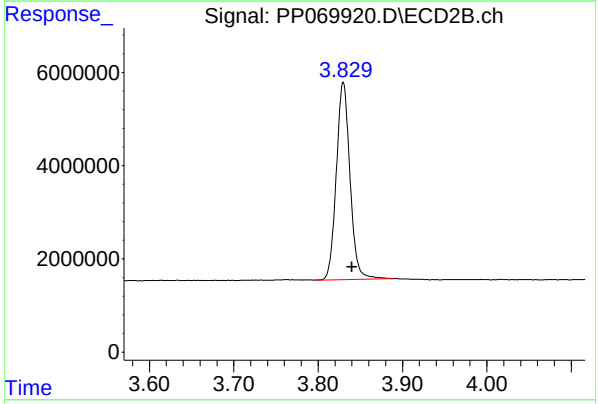
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: -0.011 min
Response: 78359993
Conc: 54.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

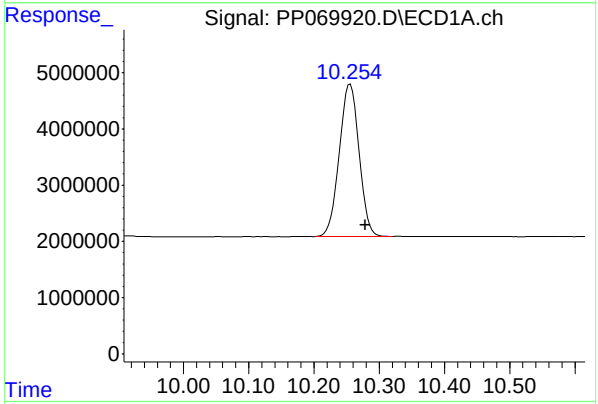
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



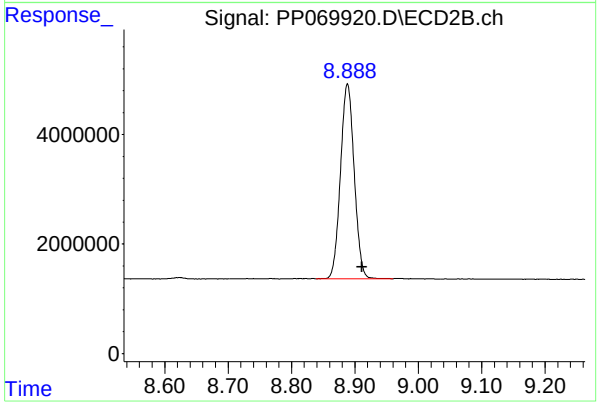
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 47565755
Conc: 53.29 ng/ml m



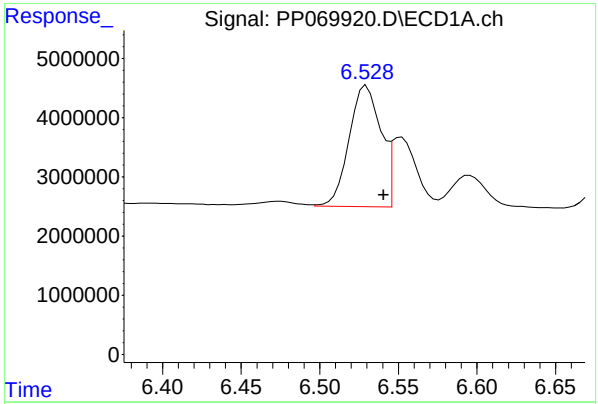
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.023 min
Response: 57108513
Conc: 52.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 53476421
Conc: 47.81 ng/ml



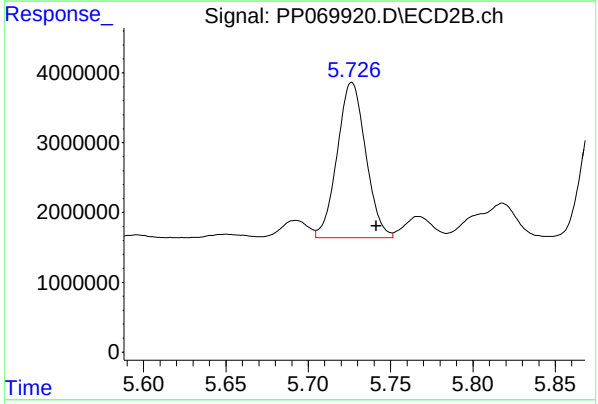
#26 AR-1254-1

R.T.: 6.530 min
Delta R.T.: -0.011 min
Response: 28871304
Conc: 498.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

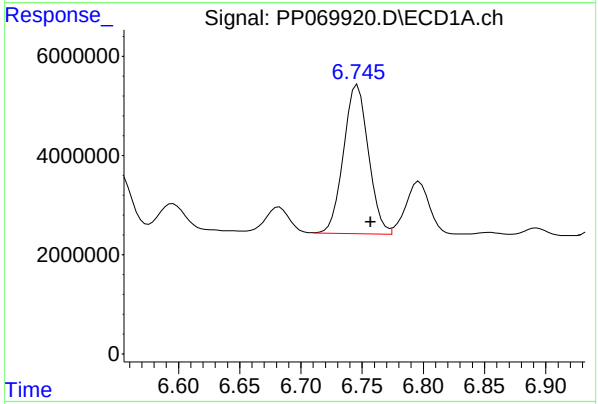
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



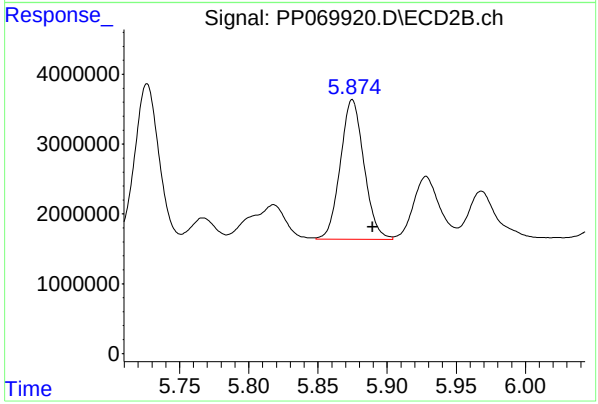
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.015 min
Response: 26816755
Conc: 487.08 ng/ml



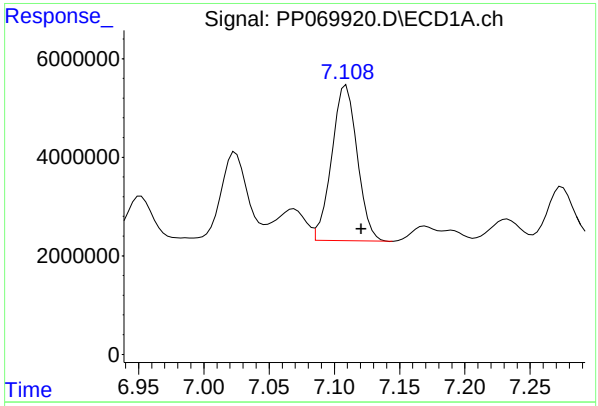
#27 AR-1254-2

R.T.: 6.746 min
Delta R.T.: -0.011 min
Response: 42488153
Conc: 529.50 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: -0.015 min
Response: 23814541
Conc: 492.35 ng/ml



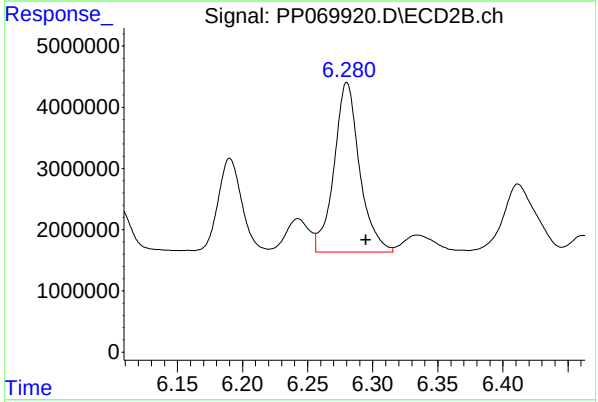
#28 AR-1254-3

R.T.: 7.109 min
Delta R.T.: -0.011 min
Response: 42989779
Conc: 510.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

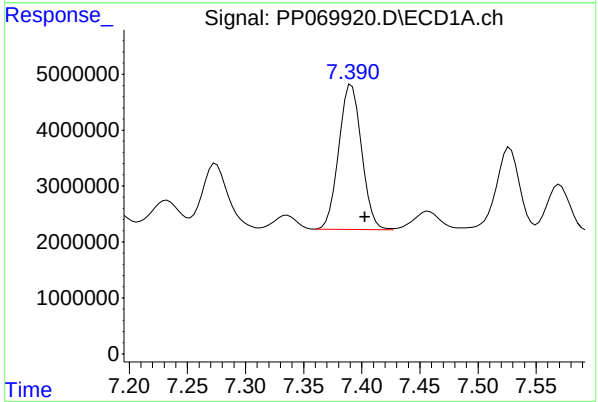
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



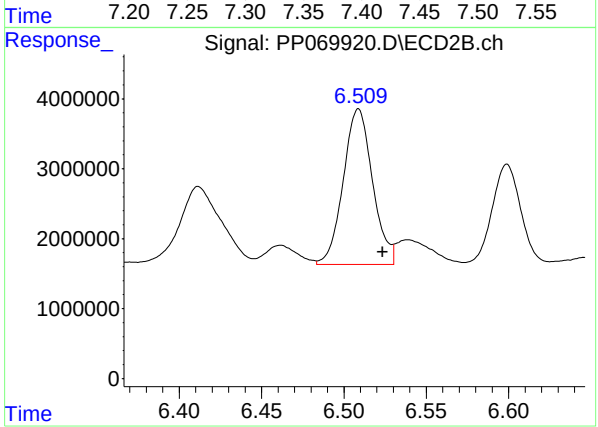
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: -0.015 min
Response: 37924622
Conc: 499.69 ng/ml



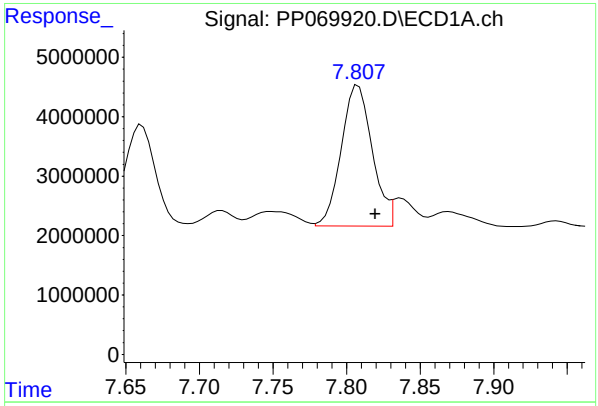
#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: -0.011 min
Response: 35196918
Conc: 516.18 ng/ml



#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: -0.015 min
Response: 27529604
Conc: 537.17 ng/ml



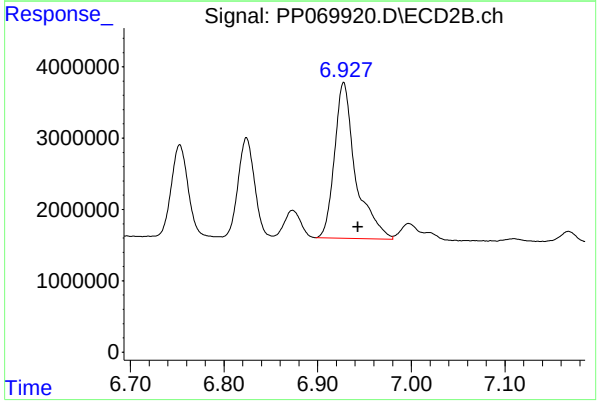
#30 AR-1254-5

R.T.: 7.808 min
Delta R.T.: -0.012 min
Response: 34669202
Conc: 509.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: -0.015 min
Response: 34264507
Conc: 514.79 ng/ml

Raw Data: **PP069932.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 21:28 **Initial Calibration Time(s):** 09:37 17:30

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	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.88	7.90	7.80	8.00	0.02
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.53	4.54	4.44	4.64	0.01
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069932.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 21:28 **Initial Calibration Time(s):** 09:37 17:30

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)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.02
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069932.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL09 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069932.D **Time Analyzed:** 21:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.592	5.792	502.680	500.000	0.5
Aroclor-1016-2	5.700	5.614	5.814	536.020	500.000	7.2
Aroclor-1016-3	5.763	5.676	5.876	518.730	500.000	3.7
Aroclor-1016-4	5.860	5.774	5.974	530.710	500.000	6.1
Aroclor-1016-5	6.153	6.067	6.267	488.960	500.000	-2.2
Aroclor-1260-1	7.272	7.187	7.387	556.270	500.000	11.3
Aroclor-1260-2	7.526	7.441	7.641	524.280	500.000	4.9
Aroclor-1260-3	7.884	7.800	8.000	533.350	500.000	6.7
Aroclor-1260-4	8.109	8.025	8.225	501.940	500.000	0.4
Aroclor-1260-5	8.429	8.347	8.547	514.160	500.000	2.8
Decachlorobiphenyl	10.252	10.179	10.379	53.380	50.000	6.8
Tetrachloro-m-xylene	4.525	4.438	4.638	53.680	50.000	7.4

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL09 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069932.D **Time Analyzed:** 21:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.919	4.834	5.034	488.890	500.000	-2.2
Aroclor-1016-2	4.938	4.853	5.053	492.730	500.000	-1.5
Aroclor-1016-3	5.116	5.030	5.230	503.840	500.000	0.8
Aroclor-1016-4	5.158	5.072	5.272	461.780	500.000	-7.6
Aroclor-1016-5	5.373	5.288	5.488	583.650	500.000	16.7
Aroclor-1260-1	6.410	6.326	6.526	543.080	500.000	8.6
Aroclor-1260-2	6.599	6.515	6.715	544.190	500.000	8.8
Aroclor-1260-3	6.752	6.670	6.870	470.720	500.000	-5.9
Aroclor-1260-4	7.225	7.142	7.342	526.380	500.000	5.3
Aroclor-1260-5	7.466	7.384	7.584	537.060	500.000	7.4
Decachlorobiphenyl	8.887	8.811	9.011	49.230	50.000	-1.5
Tetrachloro-m-xylene	3.829	3.740	3.940	51.980	50.000	4.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:28
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:55:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	76838004	46397668	53.677	51.984m
2)	SA Decachlor...	10.252	8.887	58339347	55062269	53.380	49.229
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.919	23290573	15945034	502.678m	488.886m
4)	L1 AR-1016-2	5.700	4.938	36383290	22152367	536.016	492.730
5)	L1 AR-1016-3	5.763	5.116	22096220	12537457	518.732	503.836
6)	L1 AR-1016-4	5.860	5.158	18575160	9326173	530.712	461.777
7)	L1 AR-1016-5	6.153	5.373	16164285	15655765	488.959	583.650
31)	L7 AR-1260-1	7.272	6.410	32506173	26192249	556.267	543.075
32)	L7 AR-1260-2	7.526	6.599	40795883	33361092	524.282	544.194
33)	L7 AR-1260-3	7.884	6.752	33344400	28316693	533.346	470.718m
34)	L7 AR-1260-4	8.109	7.225	33116156	24459480	501.937	526.376
35)	L7 AR-1260-5	8.429	7.466	67316487	59692122	514.157	537.065

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:28
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

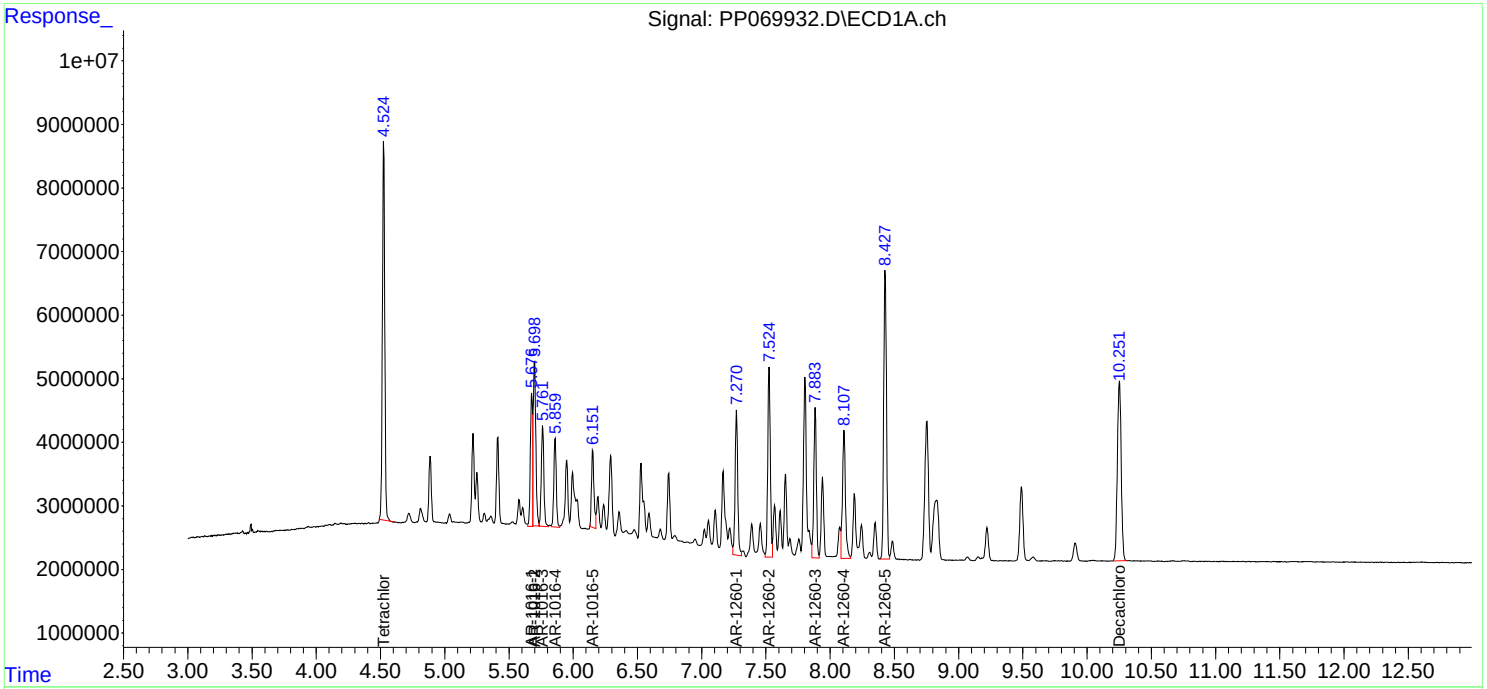
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

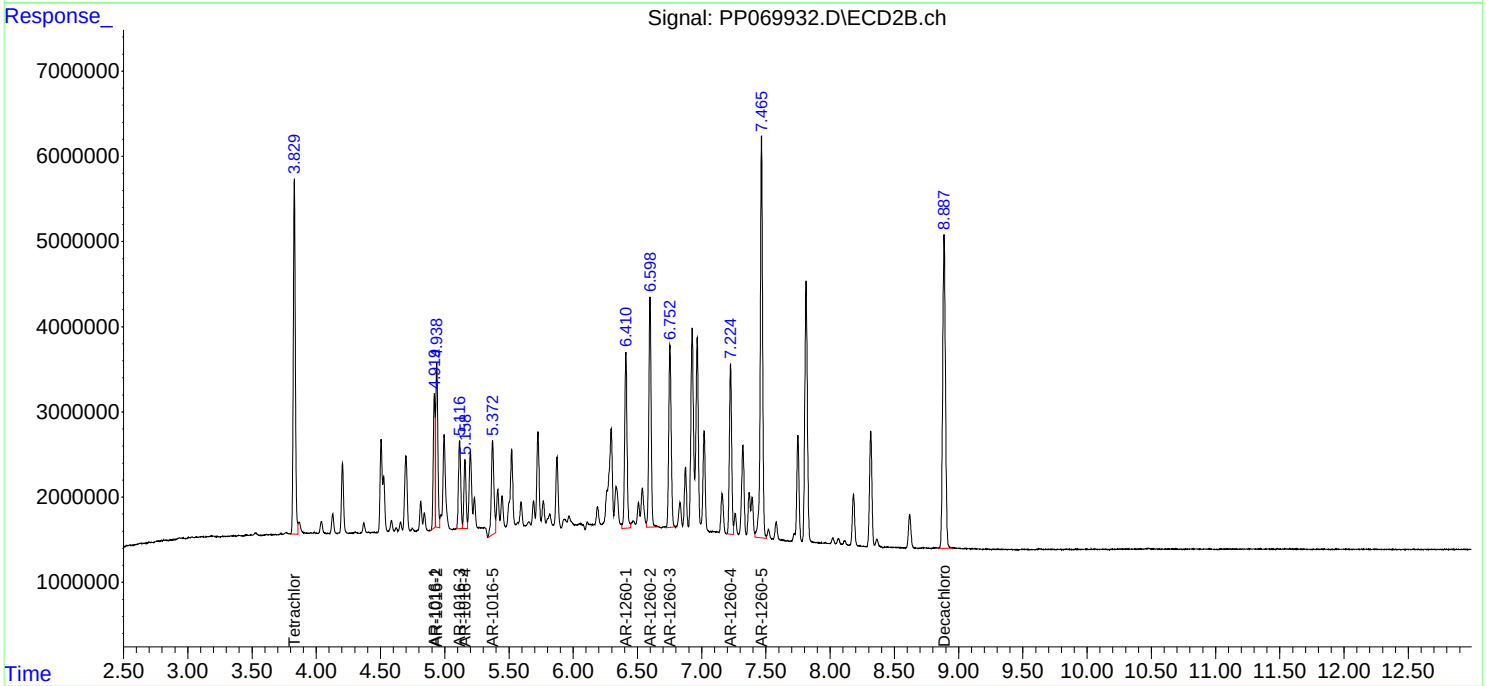
Manual Integrations APPROVED

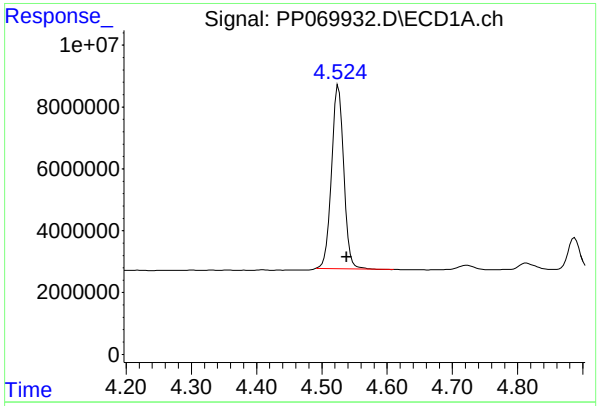
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:55:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







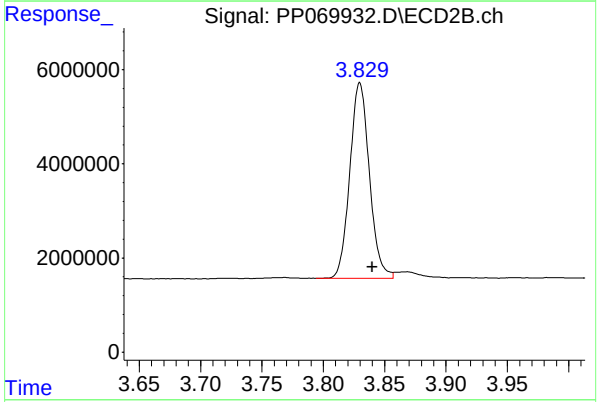
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.013 min
Response: 76838004
Conc: 53.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

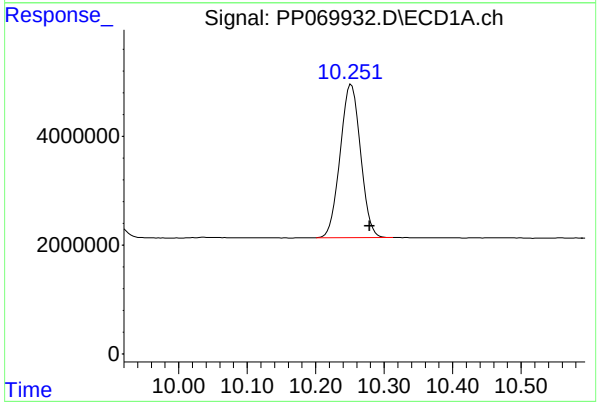
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



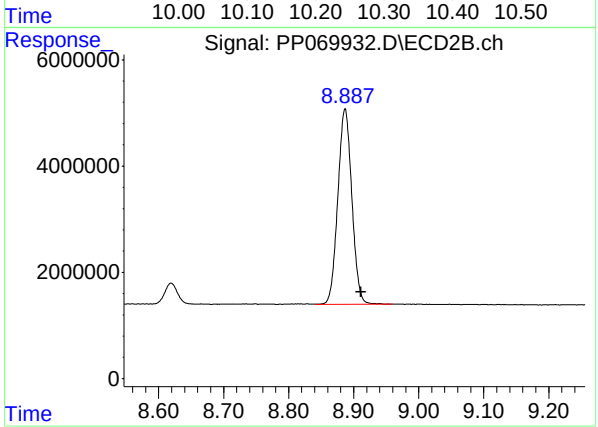
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 46397668
Conc: 51.98 ng/ml m



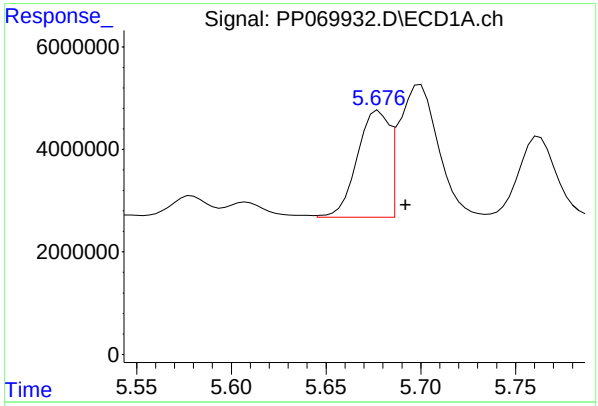
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.026 min
Response: 58339347
Conc: 53.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 55062269
Conc: 49.23 ng/ml



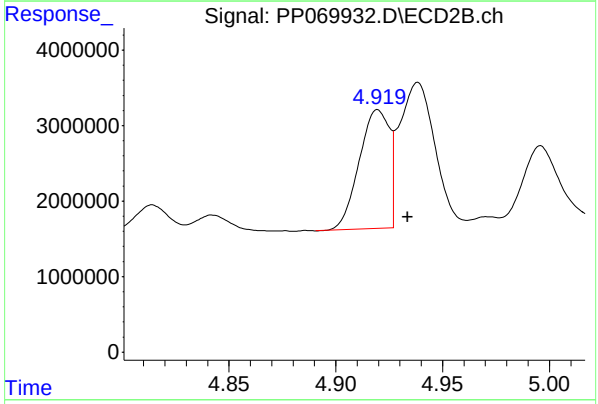
#3 AR-1016-1

R.T.: 5.676 min
Delta R.T.: -0.016 mi
Response: 23290573
Conc: 502.68 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

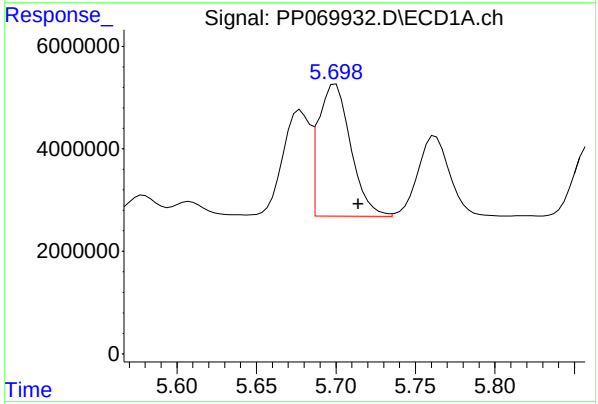
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



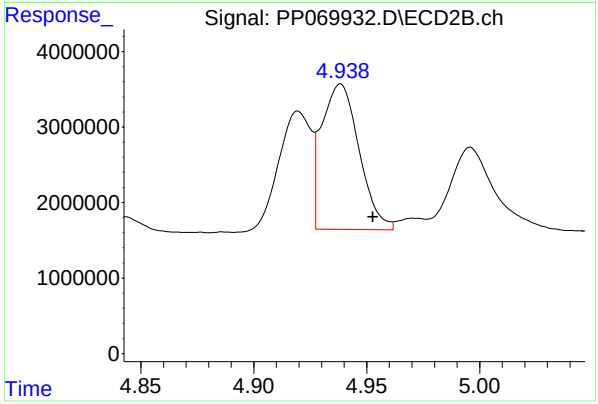
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: -0.014 min
Response: 15945034
Conc: 488.89 ng/ml m



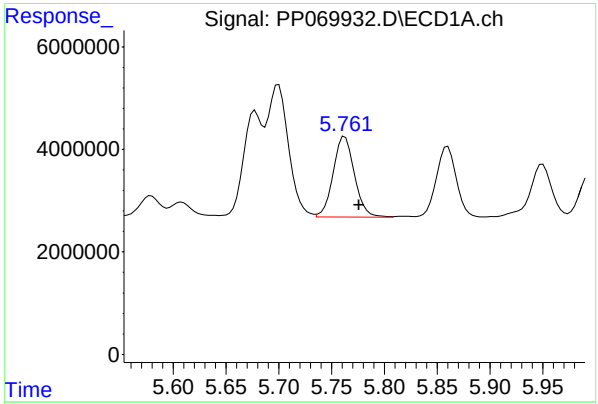
#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: -0.014 min
Response: 36383290
Conc: 536.02 ng/ml



#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: -0.014 min
Response: 22152367
Conc: 492.73 ng/ml



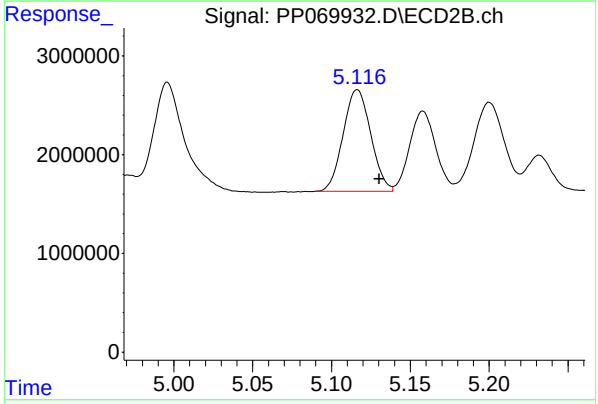
#5 AR-1016-3

R.T.: 5.763 min
Delta R.T.: -0.014 min
Response: 22096220
Conc: 518.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

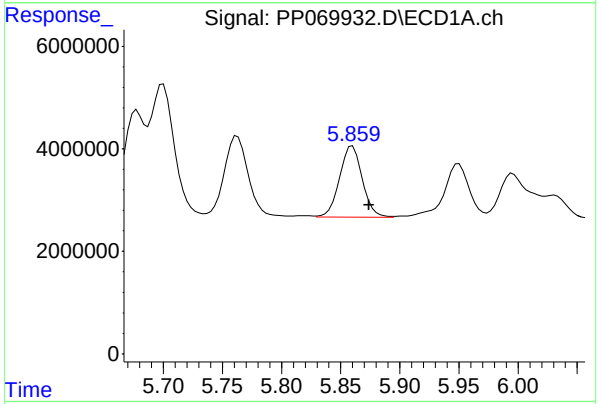
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



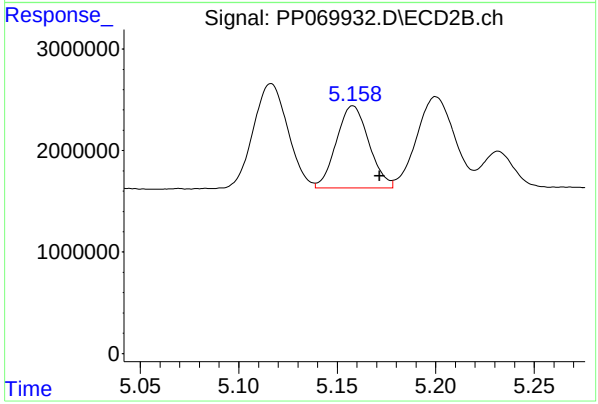
#5 AR-1016-3

R.T.: 5.116 min
Delta R.T.: -0.014 min
Response: 12537457
Conc: 503.84 ng/ml



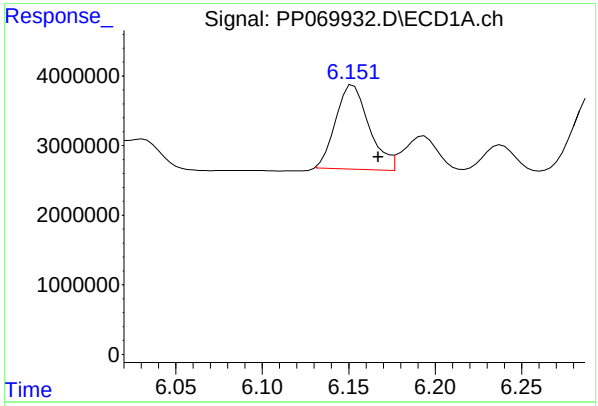
#6 AR-1016-4

R.T.: 5.860 min
Delta R.T.: -0.014 min
Response: 18575160
Conc: 530.71 ng/ml



#6 AR-1016-4

R.T.: 5.158 min
Delta R.T.: -0.014 min
Response: 9326173
Conc: 461.78 ng/ml



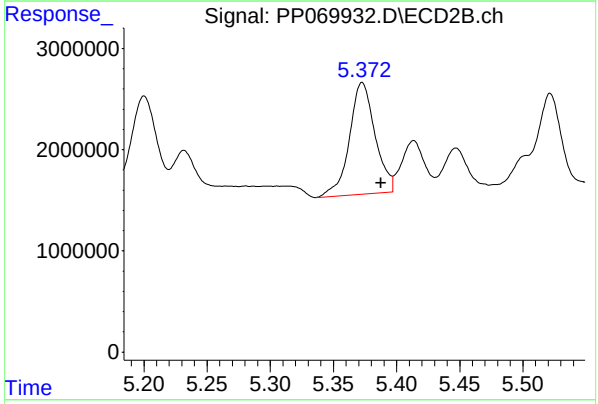
#7 AR-1016-5

R.T.: 6.153 min
Delta R.T.: -0.014 min
Response: 16164285
Conc: 488.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

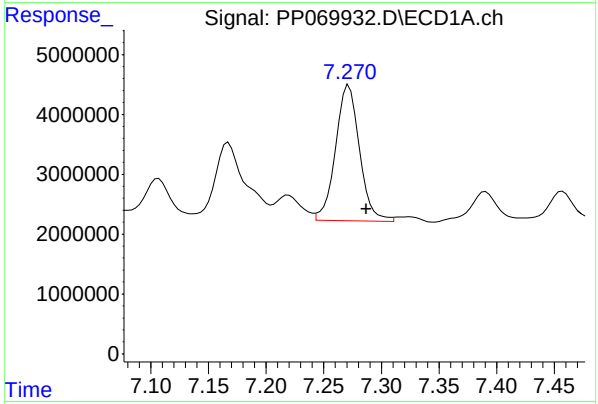
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



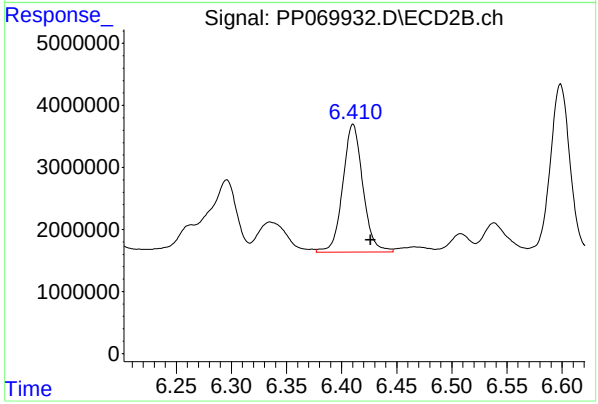
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: -0.015 min
Response: 15655765
Conc: 583.65 ng/ml



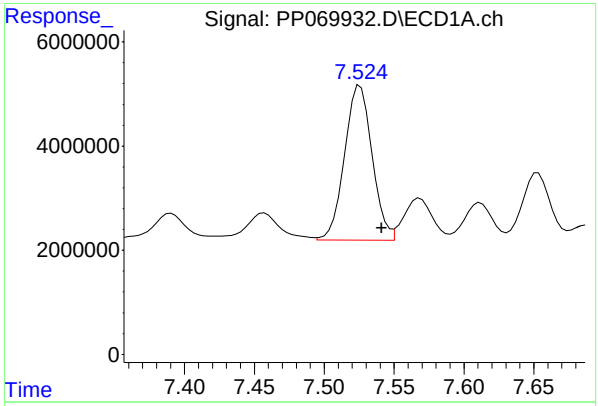
#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: -0.015 min
Response: 32506173
Conc: 556.27 ng/ml



#31 AR-1260-1

R.T.: 6.410 min
Delta R.T.: -0.016 min
Response: 26192249
Conc: 543.08 ng/ml



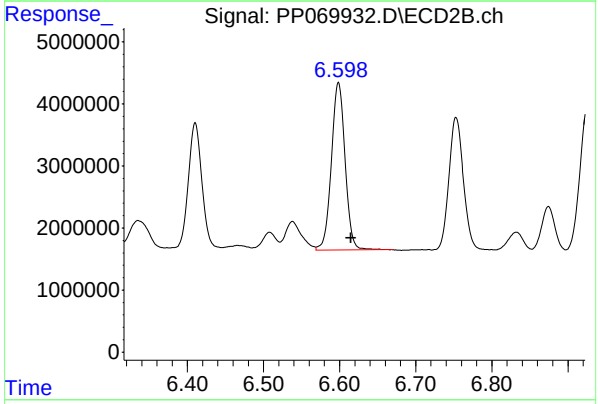
#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: -0.015 mi
Response: 40795883
Conc: 524.28 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

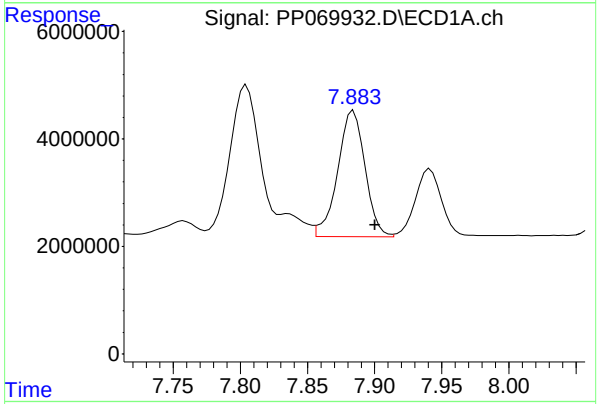
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



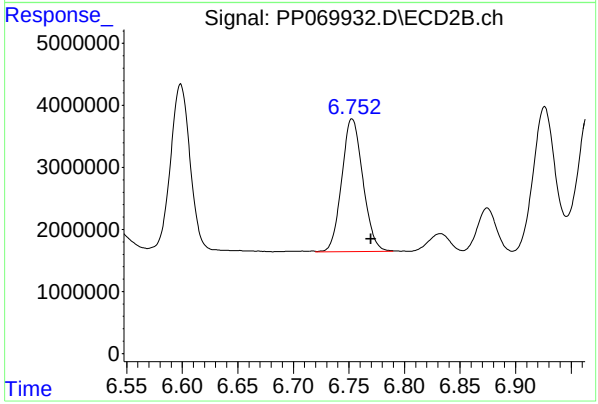
#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: -0.016 min
Response: 33361092
Conc: 544.19 ng/ml



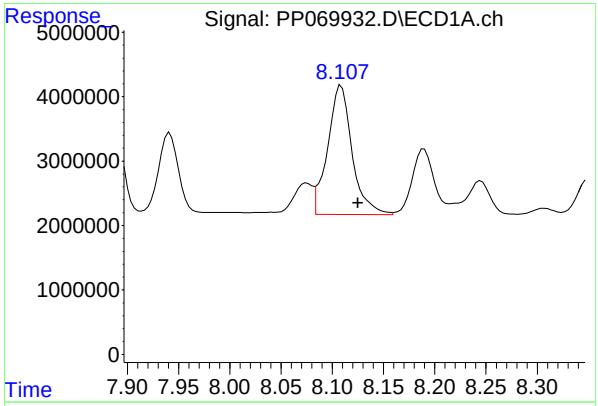
#33 AR-1260-3

R.T.: 7.884 min
Delta R.T.: -0.016 min
Response: 33344400
Conc: 533.35 ng/ml



#33 AR-1260-3

R.T.: 6.752 min
Delta R.T.: -0.018 min
Response: 28316693
Conc: 470.72 ng/ml m



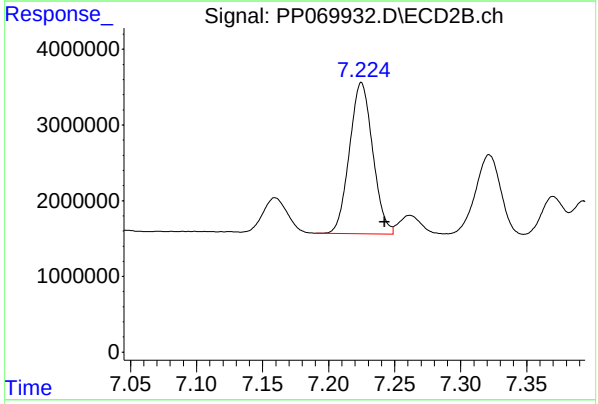
#34 AR-1260-4

R.T.: 8.109 min
Delta R.T.: -0.016 min
Response: 33116156
Conc: 501.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

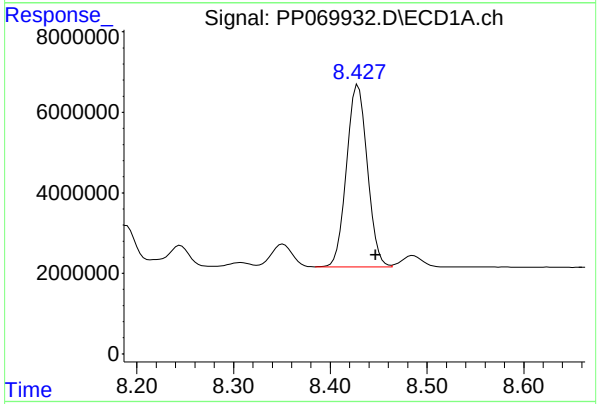
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



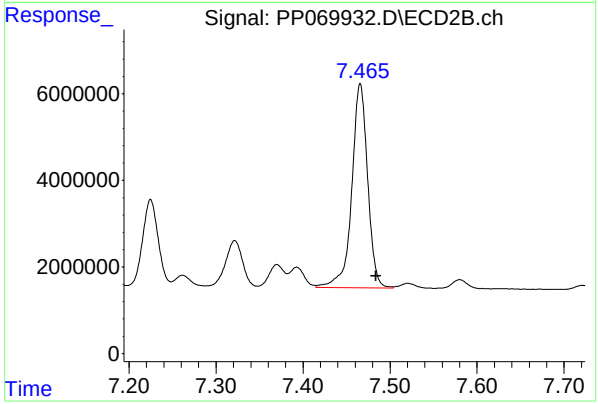
#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: -0.018 min
Response: 24459480
Conc: 526.38 ng/ml



#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: -0.018 min
Response: 67316487
Conc: 514.16 ng/ml



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: -0.018 min
Response: 59692122
Conc: 537.06 ng/ml

Raw Data: **PP069935.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	6.53	6.54	6.44	6.64	0.01
Aroclor-1254-2	(2)	6.74	6.76	6.66	6.86	0.02
Aroclor-1254-3	(3)	7.11	7.12	7.02	7.22	0.01
Aroclor-1254-4	(4)	7.39	7.40	7.30	7.50	0.01
Aroclor-1254-5	(5)	7.81	7.82	7.72	7.92	0.01
Tetrachloro-m-xylene		4.52	4.53	4.43	4.63	0.01
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069935.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1254-1	(1)	5.73	5.74	5.64	5.84	0.01
Aroclor-1254-2	(2)	5.88	5.89	5.79	5.99	0.01
Aroclor-1254-3	(3)	6.28	6.30	6.20	6.40	0.02
Aroclor-1254-4	(4)	6.51	6.52	6.42	6.62	0.01
Aroclor-1254-5	(5)	6.93	6.94	6.84	7.04	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069935.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL10 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069935.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	6.525	6.439	6.639	467.990	500.000	-6.4
Aroclor-1254-2	6.743	6.656	6.856	537.130	500.000	7.4
Aroclor-1254-3	7.106	7.019	7.219	518.010	500.000	3.6
Aroclor-1254-4	7.389	7.301	7.501	522.070	500.000	4.4
Aroclor-1254-5	7.806	7.719	7.919	515.750	500.000	3.2
Decachlorobiphenyl	10.253	10.175	10.375	52.470	50.000	4.9
Tetrachloro-m-xylene	4.524	4.434	4.634	54.940	50.000	9.9

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL10 **Date Analyzed:** 02/20/2025

Lab Sample No.: AR1254CCC500 **Data File :** PP069935.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1254-1	5.727	5.642	5.842	496.840	500.000	-0.6
Aroclor-1254-2	5.875	5.790	5.990	504.230	500.000	0.8
Aroclor-1254-3	6.281	6.195	6.395	507.220	500.000	1.4
Aroclor-1254-4	6.509	6.423	6.623	535.150	500.000	7.0
Aroclor-1254-5	6.928	6.844	7.044	520.410	500.000	4.1
Decachlorobiphenyl	8.889	8.809	9.009	50.140	50.000	0.3
Tetrachloro-m-xylene	3.830	3.740	3.940	54.030	50.000	8.1

Sample Results: **PP069935.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:17
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:56:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	78641512	48227400	54.937	54.034m
2)	SA Decachlor...	10.253	8.889	57345974	56081078	52.471	50.140
	Target Compounds						
26)	L6 AR-1254-1	6.525	5.727	27079508	27353708	467.988m	496.836
27)	L6 AR-1254-2	6.743	5.875	43100155	24389172	537.128	504.234
28)	L6 AR-1254-3	7.106	6.281	43662235	38496228	518.010	507.223
29)	L6 AR-1254-4	7.389	6.509	35598965	27426302	522.072	535.150
30)	L6 AR-1254-5	7.806	6.928	35094938	34638919	515.752	520.413

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:17
Operator : YP\AJ
Sample : AR1254CCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

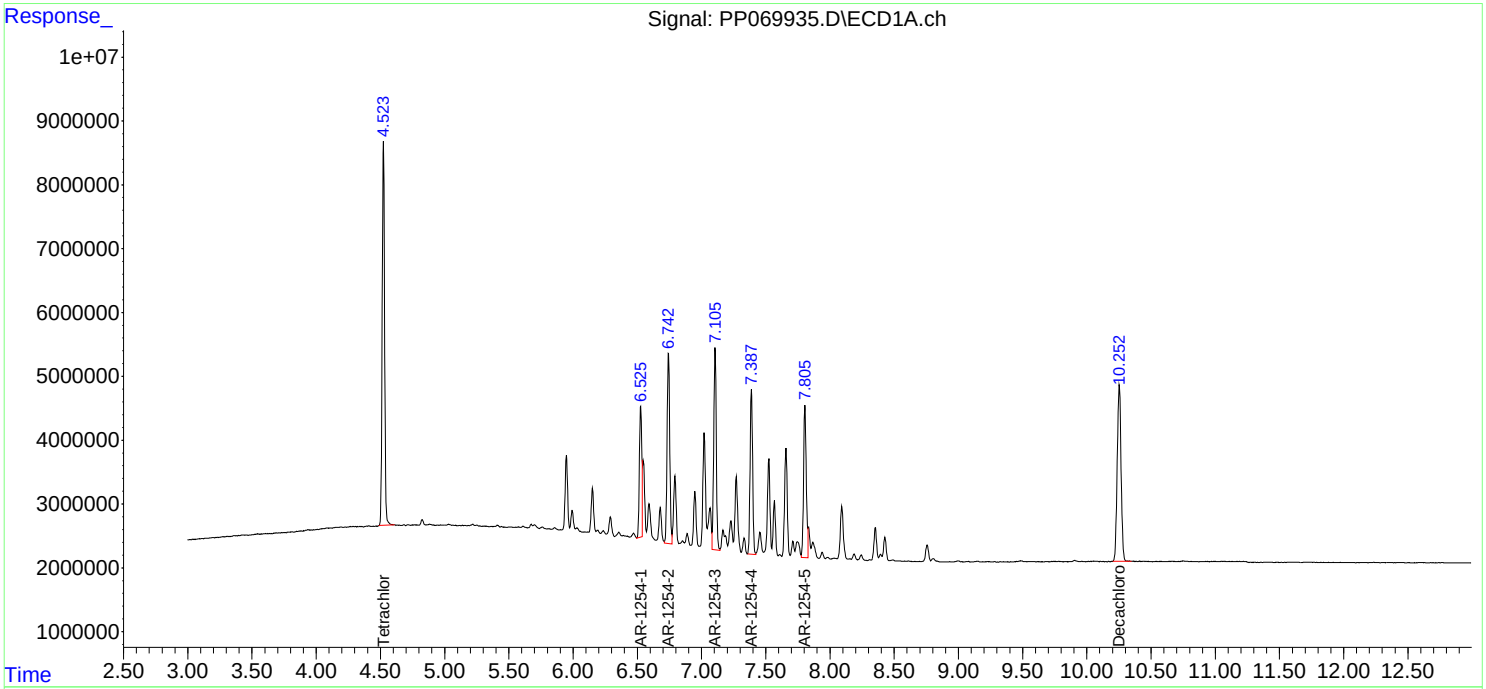
Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

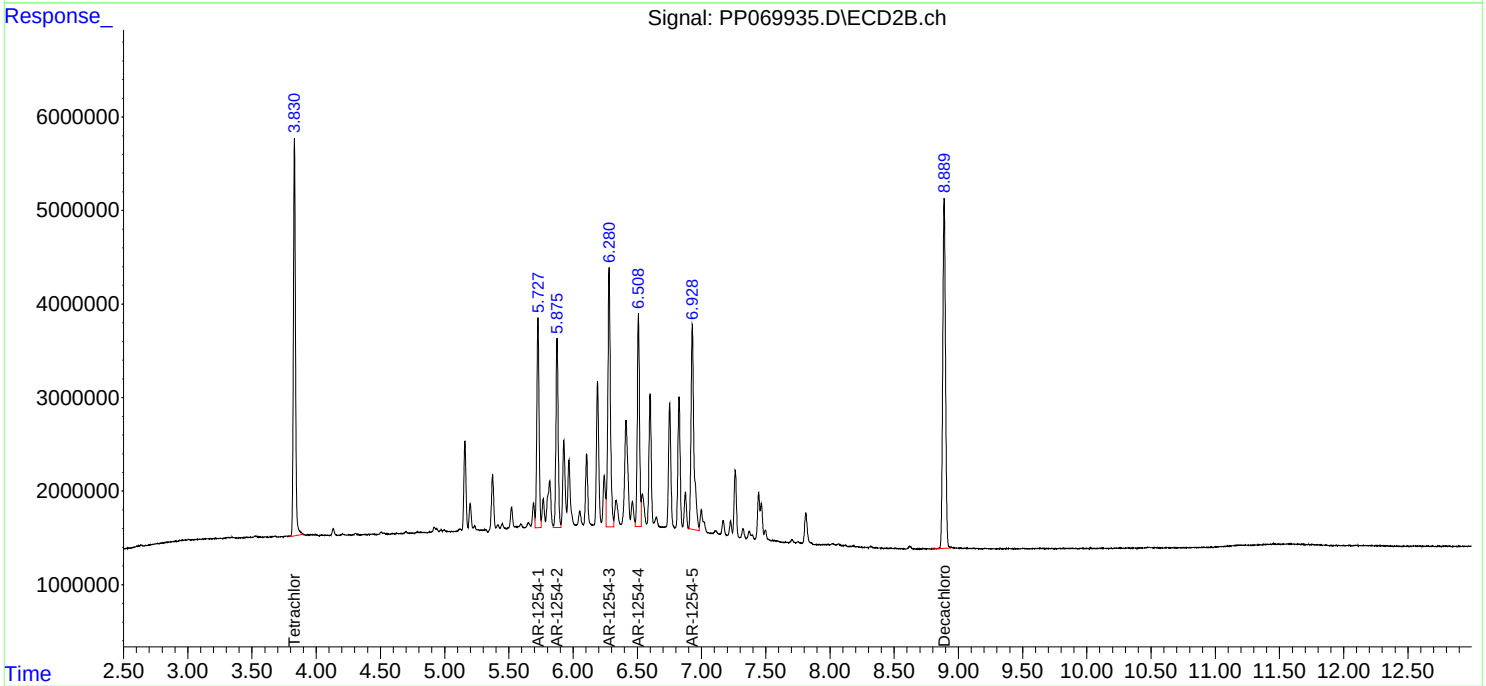
Manual Integrations APPROVED

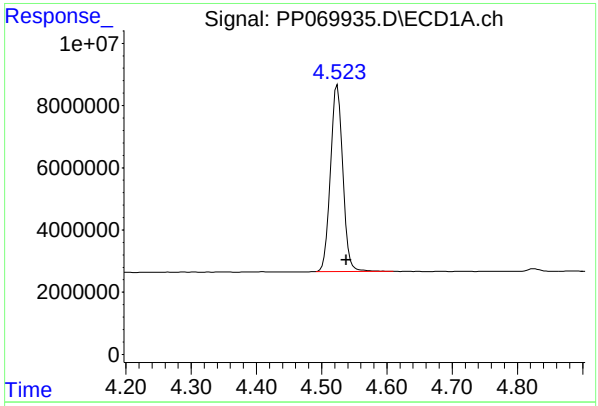
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:56:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







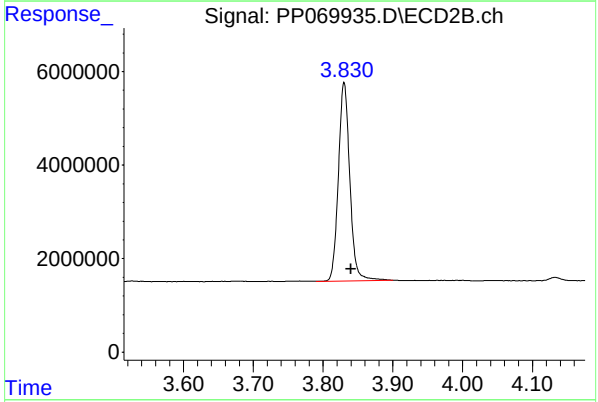
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.014 min
Response: 78641512
Conc: 54.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

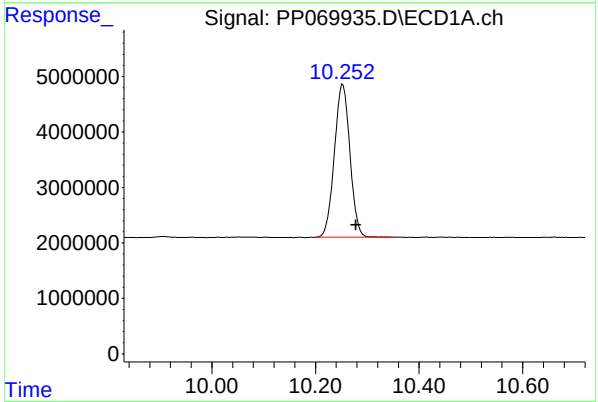
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



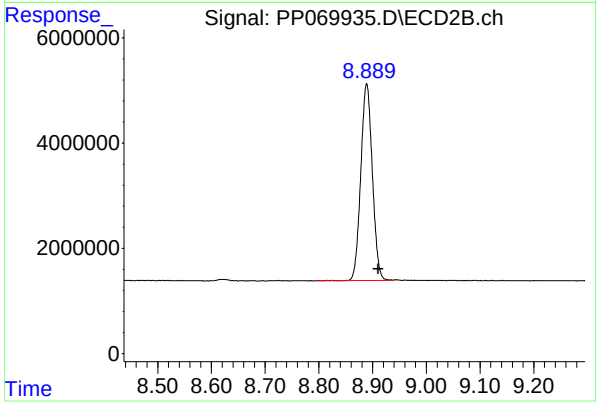
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 48227400
Conc: 54.03 ng/ml m



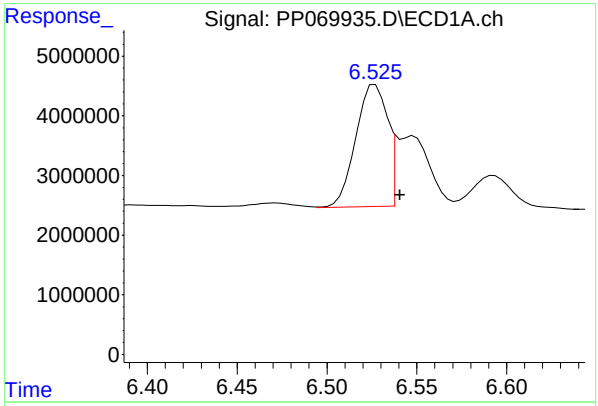
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 57345974
Conc: 52.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 56081078
Conc: 50.14 ng/ml



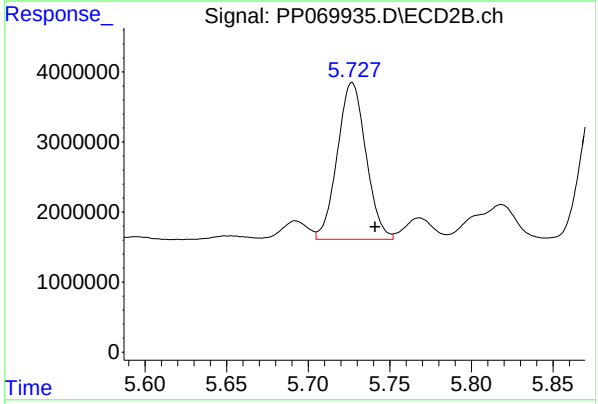
#26 AR-1254-1

R.T.: 6.525 min
Delta R.T.: -0.015 min
Response: 27079508
Conc: 467.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

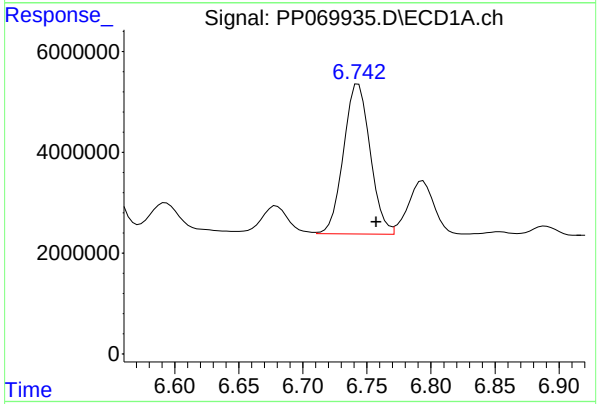
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



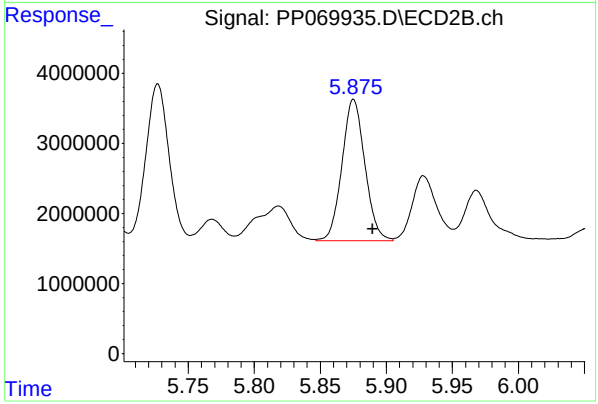
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: -0.014 min
Response: 27353708
Conc: 496.84 ng/ml



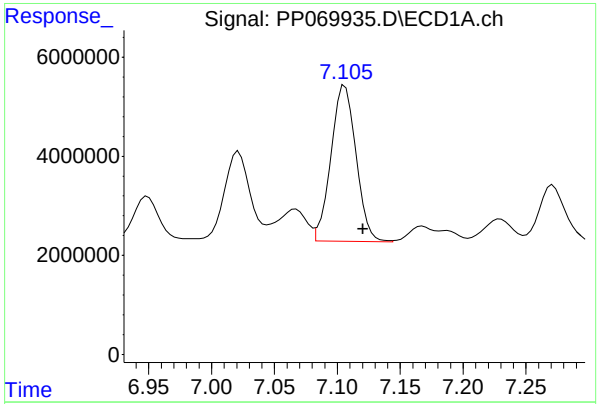
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.014 min
Response: 43100155
Conc: 537.13 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: -0.014 min
Response: 24389172
Conc: 504.23 ng/ml



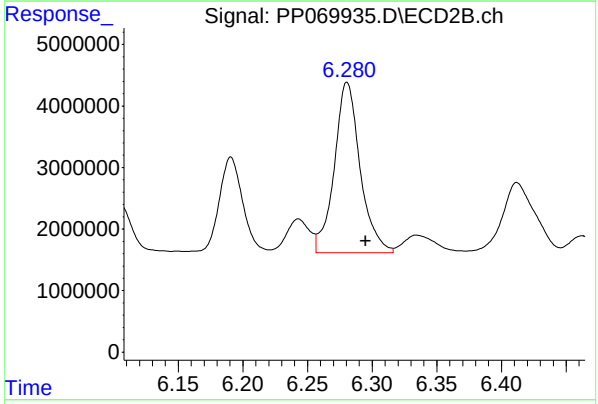
#28 AR-1254-3

R.T.: 7.106 min
Delta R.T.: -0.014 min
Response: 43662235
Conc: 518.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

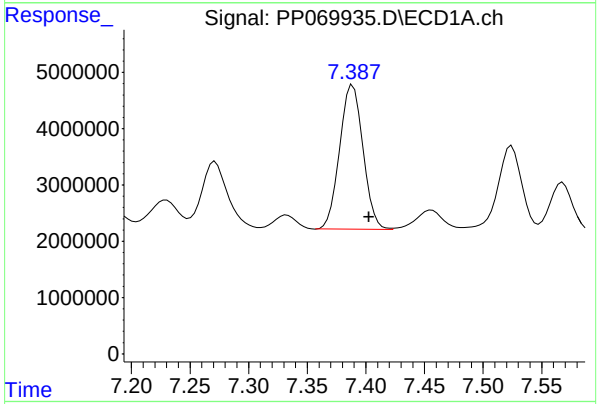
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



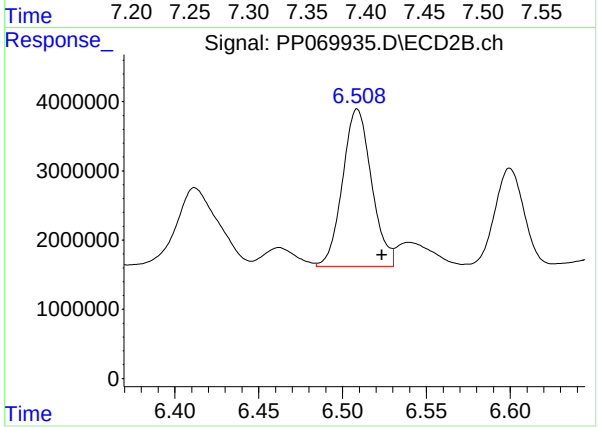
#28 AR-1254-3

R.T.: 6.281 min
Delta R.T.: -0.014 min
Response: 38496228
Conc: 507.22 ng/ml



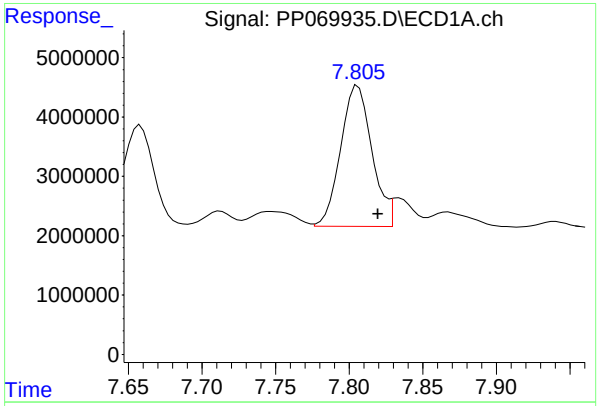
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.014 min
Response: 35598965
Conc: 522.07 ng/ml



#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: -0.015 min
Response: 27426302
Conc: 535.15 ng/ml



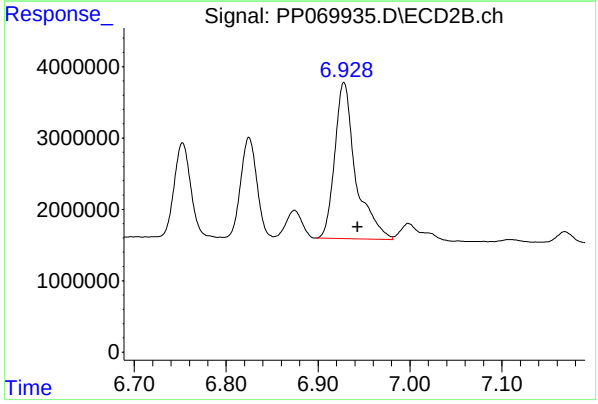
#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.014 min
Response: 35094938
Conc: 515.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: -0.015 min
Response: 34638919
Conc: 520.41 ng/ml

Raw Data: **PP069947.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/21/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 01:53 **Initial Calibration Time(s):** 09:37 17:30

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	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.88	7.90	7.80	8.00	0.02
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.52	4.54	4.44	4.64	0.02
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069947.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

Continuing Calib Date: 02/21/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 01:53 **Initial Calibration Time(s):** 09:37 17:30

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)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.02
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.02
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069947.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL11 **Date Analyzed:** 02/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069947.D **Time Analyzed:** 01:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.592	5.792	564.420	500.000	12.9
Aroclor-1016-2	5.699	5.614	5.814	551.540	500.000	10.3
Aroclor-1016-3	5.762	5.676	5.876	535.310	500.000	7.1
Aroclor-1016-4	5.859	5.774	5.974	550.910	500.000	10.2
Aroclor-1016-5	6.151	6.067	6.267	514.090	500.000	2.8
Aroclor-1260-1	7.269	7.187	7.387	556.970	500.000	11.4
Aroclor-1260-2	7.525	7.441	7.641	548.930	500.000	9.8
Aroclor-1260-3	7.883	7.800	8.000	557.900	500.000	11.6
Aroclor-1260-4	8.108	8.025	8.225	518.950	500.000	3.8
Aroclor-1260-5	8.428	8.347	8.547	527.430	500.000	5.5
Decachlorobiphenyl	10.250	10.179	10.379	54.850	50.000	9.7
Tetrachloro-m-xylene	4.523	4.438	4.638	56.870	50.000	13.7

Raw Data: **PP069947.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL11 **Date Analyzed:** 02/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069947.D **Time Analyzed:** 01:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.918	4.834	5.034	503.540	500.000	0.7
Aroclor-1016-2	4.938	4.853	5.053	481.370	500.000	-3.7
Aroclor-1016-3	5.115	5.030	5.230	518.770	500.000	3.8
Aroclor-1016-4	5.157	5.072	5.272	470.280	500.000	-5.9
Aroclor-1016-5	5.371	5.288	5.488	526.850	500.000	5.4
Aroclor-1260-1	6.410	6.326	6.526	545.470	500.000	9.1
Aroclor-1260-2	6.598	6.515	6.715	545.400	500.000	9.1
Aroclor-1260-3	6.752	6.670	6.870	485.550	500.000	-2.9
Aroclor-1260-4	7.225	7.142	7.342	540.170	500.000	8.0
Aroclor-1260-5	7.465	7.384	7.584	554.170	500.000	10.8
Decachlorobiphenyl	8.886	8.811	9.011	50.260	50.000	0.5
Tetrachloro-m-xylene	3.829	3.740	3.940	54.320	50.000	8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:53
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 05:00:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	81408908	48480286	56.870m	54.317m
2) SA	Decachlor...	10.250	8.886	59944075	56215659	54.849	50.261
	Target Compounds						
3) L1	AR-1016-1	5.676	4.918	26151159	16423126	564.418m	503.545m
4) L1	AR-1016-2	5.699	4.938	37437147	21641423	551.542	481.365
5) L1	AR-1016-3	5.762	5.115	22802224	12909023	535.306	518.768
6) L1	AR-1016-4	5.859	5.157	19281965	9497952	550.906	470.282
7) L1	AR-1016-5	6.151	5.371	16994940	14132131	514.086m	526.848m
31) L7	AR-1260-1	7.269	6.410	32547213	26307573	556.969m	545.466
32) L7	AR-1260-2	7.525	6.598	42714191	33435044	548.935	545.400
33) L7	AR-1260-3	7.883	6.752	34879740	29208753	557.904	485.547m
34) L7	AR-1260-4	8.108	7.225	34238610	25100406	518.950	540.169
35) L7	AR-1260-5	8.428	7.465	69053683	61593431	527.426	554.171

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:53
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

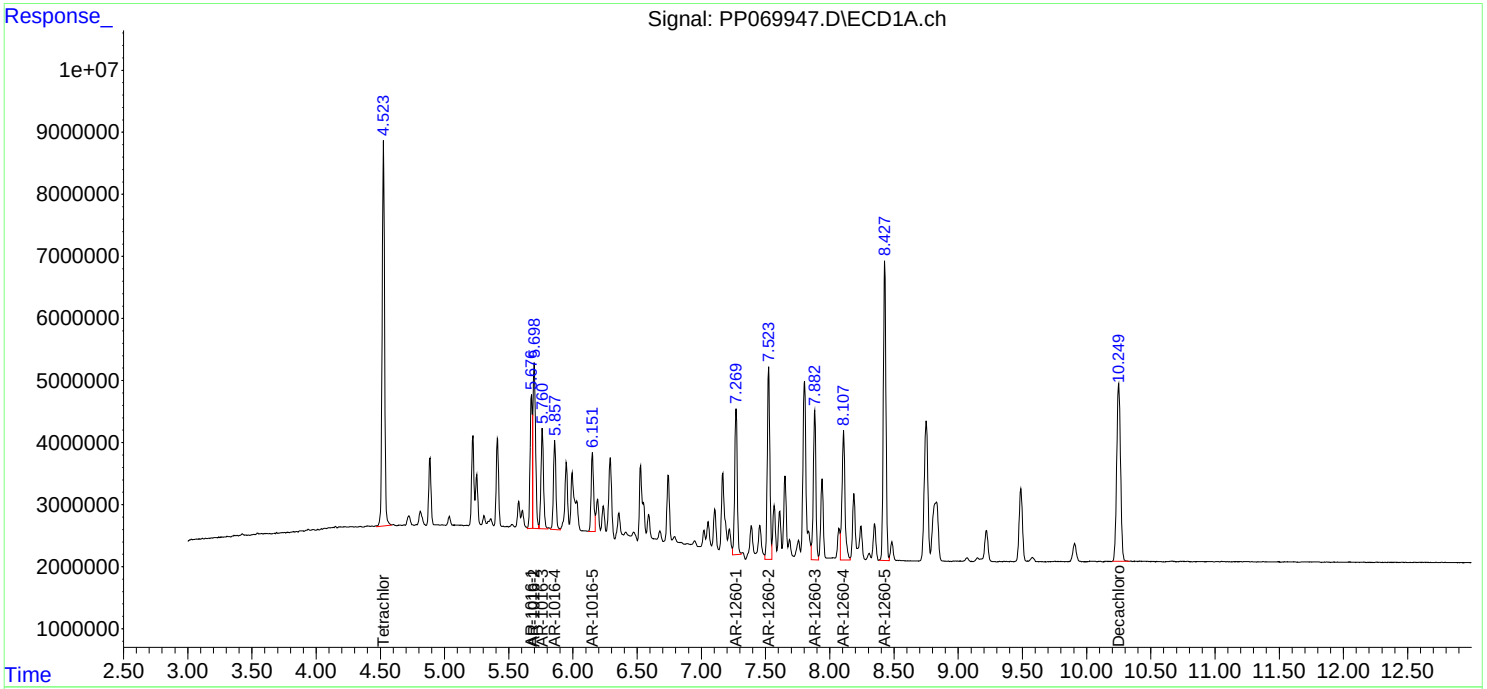
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

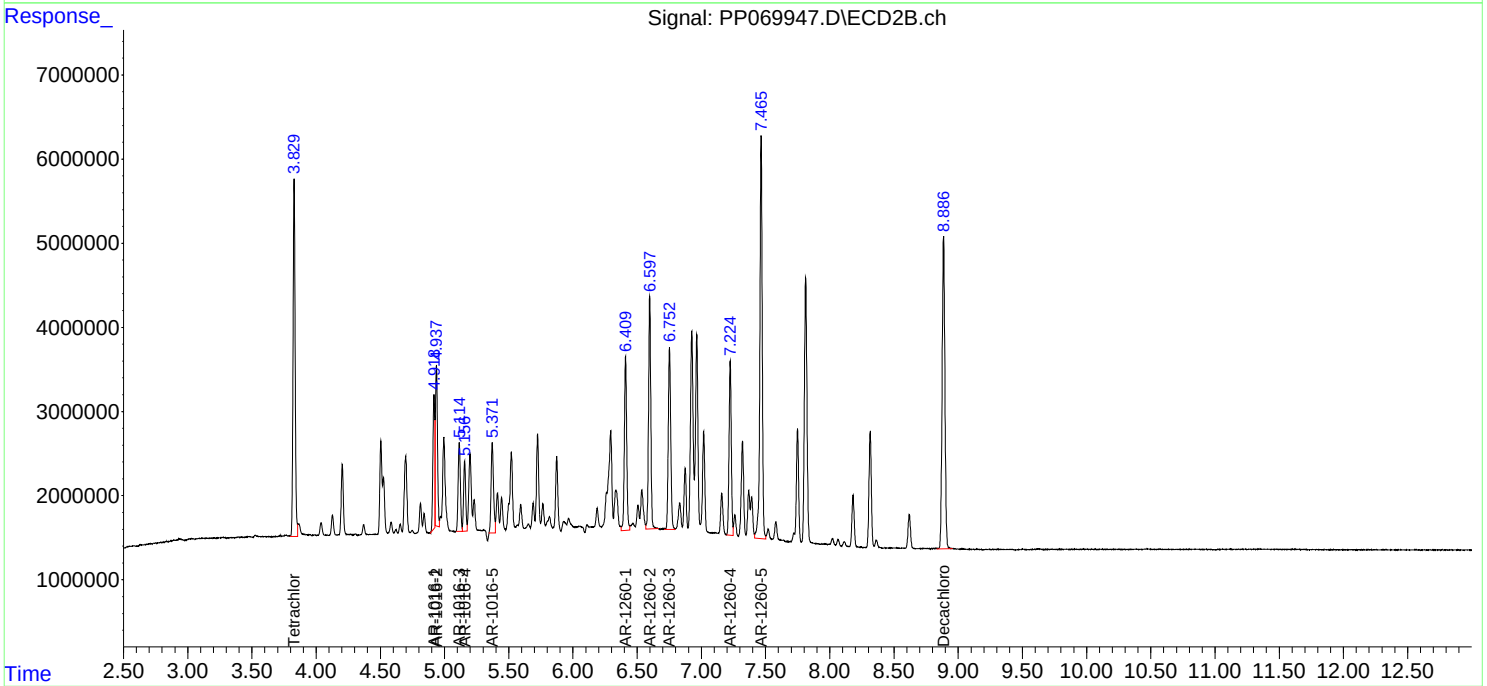
Manual Integrations APPROVED

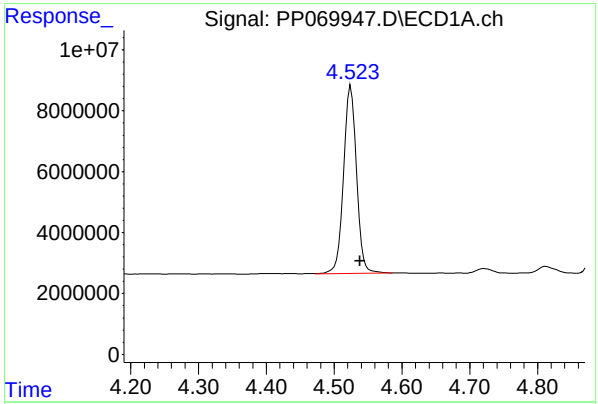
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 05:00:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







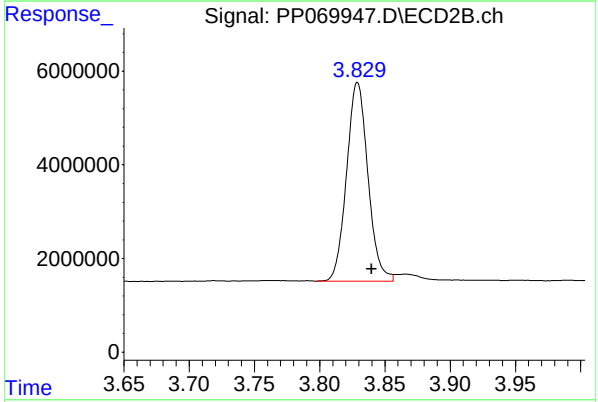
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 81408908
Conc: 56.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

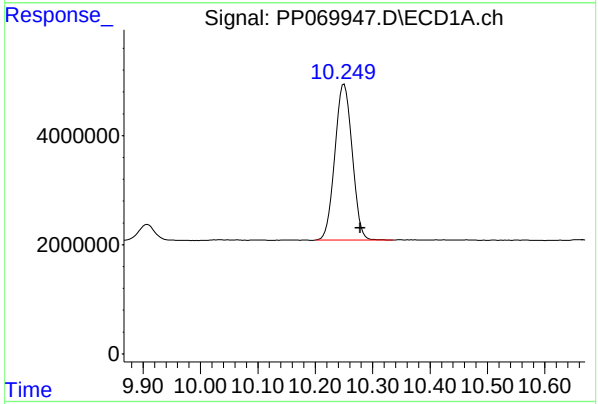
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



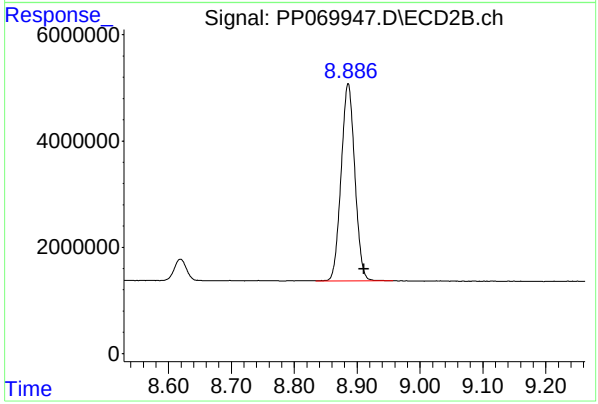
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 48480286
Conc: 54.32 ng/ml m



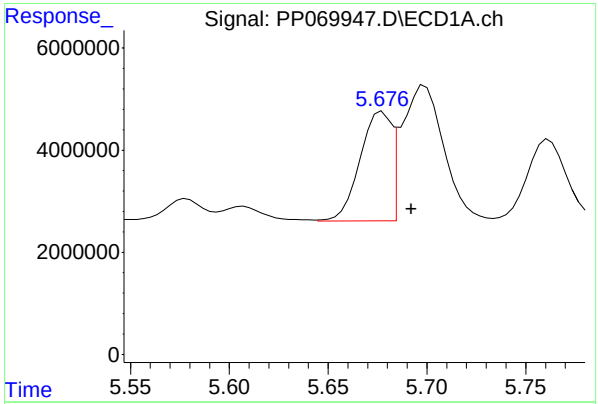
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.028 min
Response: 59944075
Conc: 54.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.886 min
Delta R.T.: -0.025 min
Response: 56215659
Conc: 50.26 ng/ml



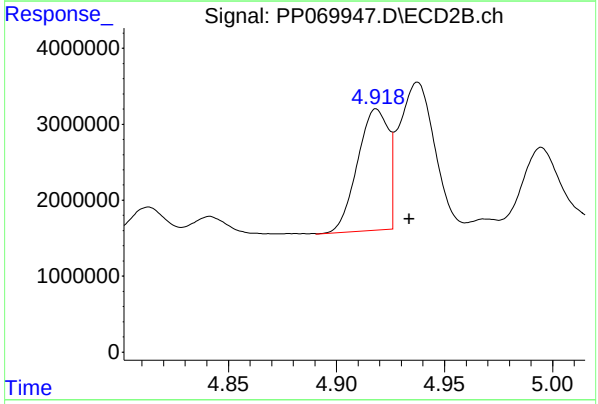
#3 AR-1016-1

R.T.: 5.676 min
Delta R.T.: -0.016 mi
Response: 26151159
Conc: 564.42 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

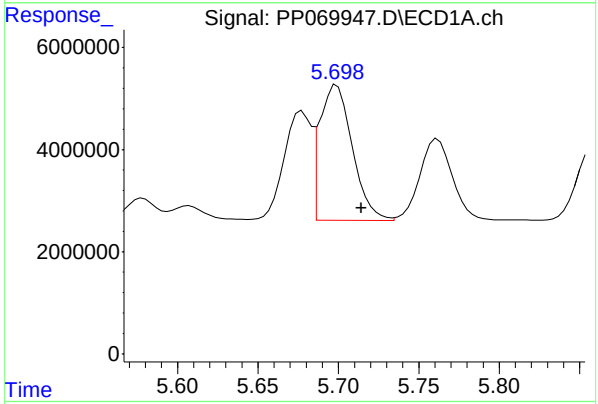
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



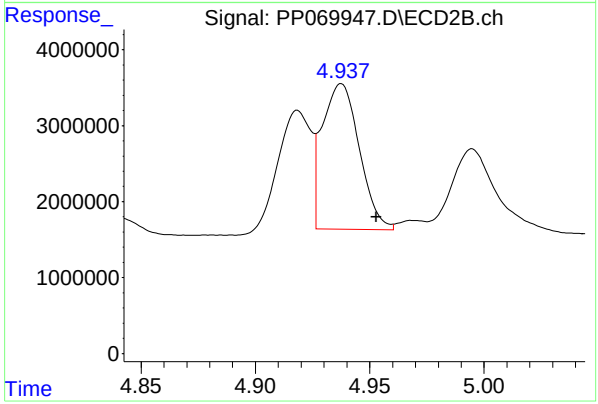
#3 AR-1016-1

R.T.: 4.918 min
Delta R.T.: -0.016 min
Response: 16423126
Conc: 503.54 ng/ml m



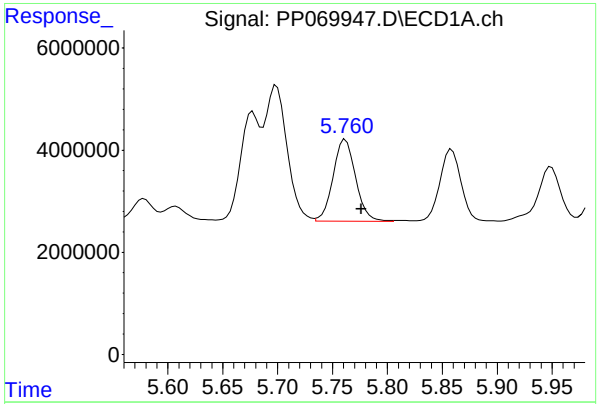
#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: -0.015 min
Response: 37437147
Conc: 551.54 ng/ml



#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: -0.015 min
Response: 21641423
Conc: 481.37 ng/ml



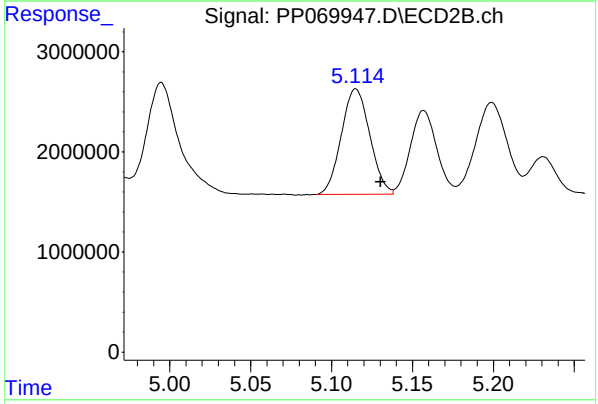
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: -0.014 min
Response: 22802224
Conc: 535.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

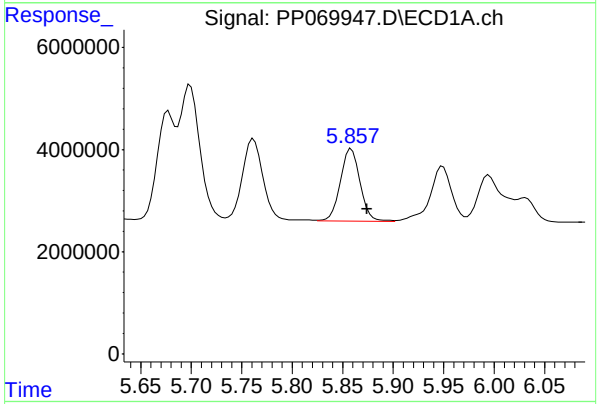
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



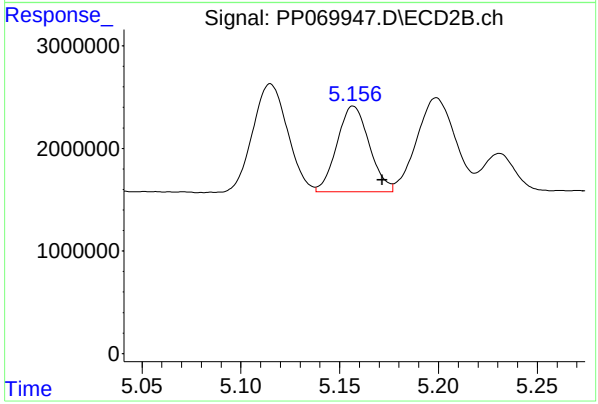
#5 AR-1016-3

R.T.: 5.115 min
Delta R.T.: -0.015 min
Response: 12909023
Conc: 518.77 ng/ml



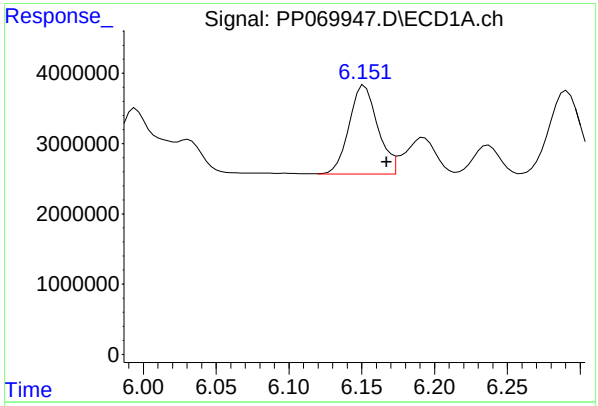
#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: -0.015 min
Response: 19281965
Conc: 550.91 ng/ml



#6 AR-1016-4

R.T.: 5.157 min
Delta R.T.: -0.015 min
Response: 9497952
Conc: 470.28 ng/ml



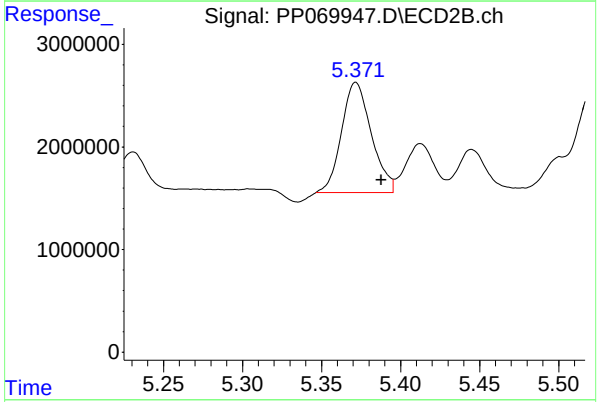
#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: -0.016 mi
Response: 16994940
Conc: 514.09 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

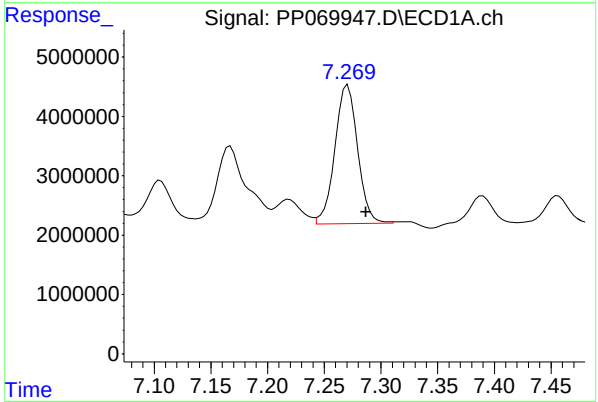
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



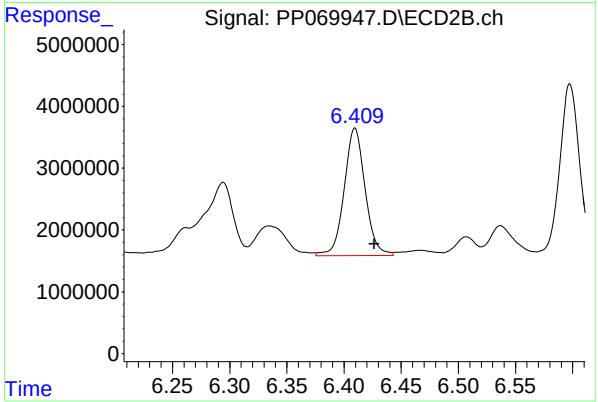
#7 AR-1016-5

R.T.: 5.371 min
Delta R.T.: -0.016 min
Response: 14132131
Conc: 526.85 ng/ml m



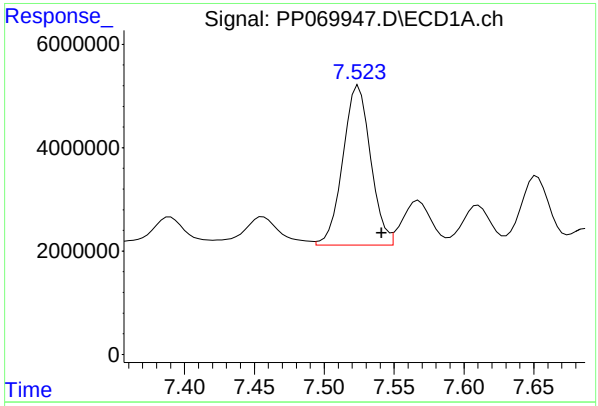
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.018 min
Response: 32547213
Conc: 556.97 ng/ml m



#31 AR-1260-1

R.T.: 6.410 min
Delta R.T.: -0.017 min
Response: 26307573
Conc: 545.47 ng/ml



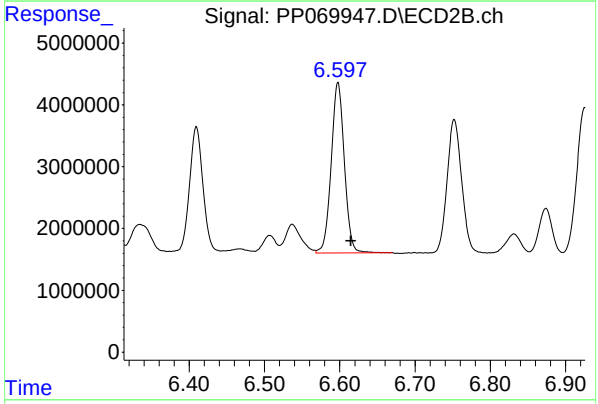
#32 AR-1260-2

R.T.: 7.525 min
Delta R.T.: -0.016 mi
Response: 42714191
Conc: 548.93 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

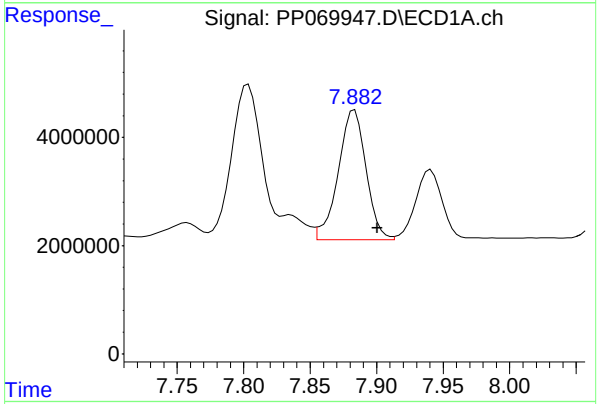
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



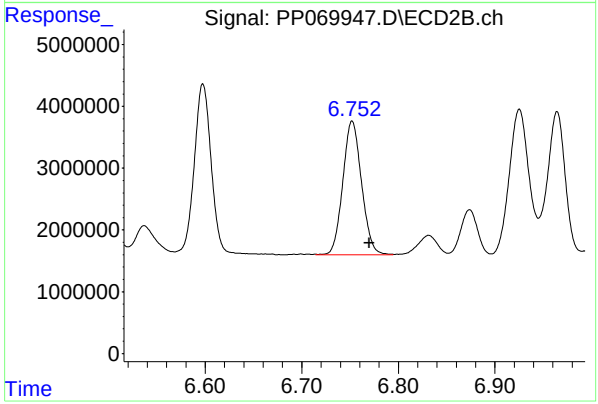
#32 AR-1260-2

R.T.: 6.598 min
Delta R.T.: -0.017 min
Response: 33435044
Conc: 545.40 ng/ml



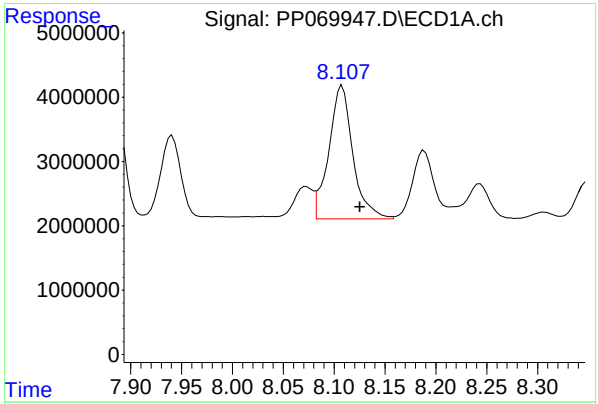
#33 AR-1260-3

R.T.: 7.883 min
Delta R.T.: -0.017 min
Response: 34879740
Conc: 557.90 ng/ml



#33 AR-1260-3

R.T.: 6.752 min
Delta R.T.: -0.018 min
Response: 29208753
Conc: 485.55 ng/ml m



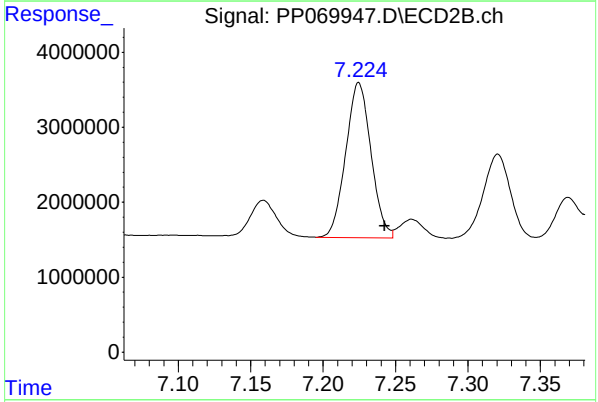
#34 AR-1260-4

R.T.: 8.108 min
Delta R.T.: -0.017 min
Response: 34238610
Conc: 518.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

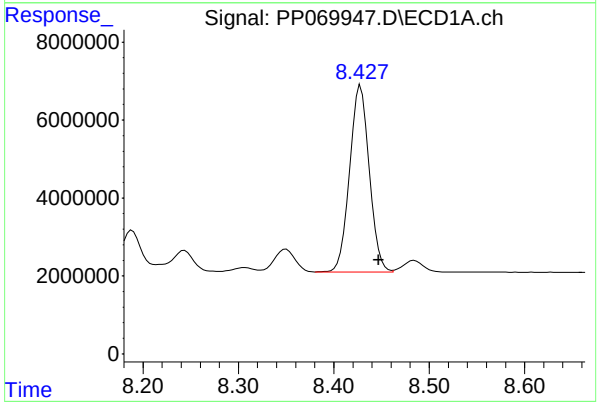
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



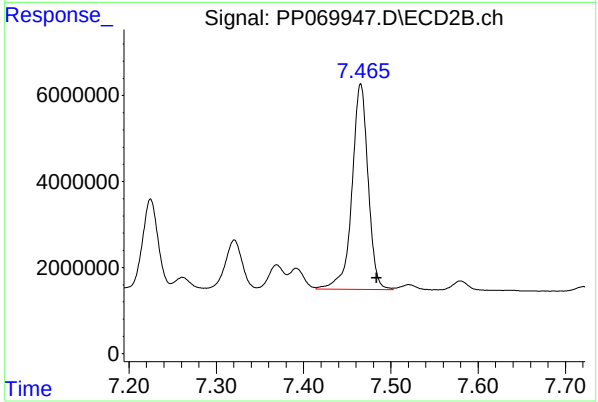
#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: -0.018 min
Response: 25100406
Conc: 540.17 ng/ml



#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: -0.019 min
Response: 69053683
Conc: 527.43 ng/ml



#35 AR-1260-5

R.T.: 7.465 min
Delta R.T.: -0.018 min
Response: 61593431
Conc: 554.17 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1382

Project: Raymark Superfund Site **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/28/2025 01/28/2025

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	01/28/2025	09:21	PP069264.D	10.28	4.54
AR1660ICC1000	AR1660ICC1000	01/28/2025	09:37	PP069265.D	10.28	4.54
AR1660ICC750	AR1660ICC750	01/28/2025	09:54	PP069266.D	10.28	4.54
AR1660ICC500	AR1660ICC500	01/28/2025	10:10	PP069267.D	10.28	4.54
AR1660ICC250	AR1660ICC250	01/28/2025	10:26	PP069268.D	10.28	4.53
AR1660ICC050	AR1660ICC050	01/28/2025	11:15	PP069269.D	10.28	4.54
AR1221ICC500	AR1221ICC500	01/28/2025	11:32	PP069270.D	10.28	4.54
AR1232ICC500	AR1232ICC500	01/28/2025	11:48	PP069271.D	10.28	4.53
AR1242ICC1000	AR1242ICC1000	01/28/2025	12:04	PP069272.D	10.28	4.54
AR1242ICC750	AR1242ICC750	01/28/2025	12:21	PP069273.D	10.28	4.54
AR1242ICC500	AR1242ICC500	01/28/2025	12:37	PP069274.D	10.28	4.54
AR1242ICC250	AR1242ICC250	01/28/2025	12:53	PP069275.D	10.28	4.54
AR1242ICC050	AR1242ICC050	01/28/2025	13:09	PP069276.D	10.28	4.54
AR1248ICC1000	AR1248ICC1000	01/28/2025	13:26	PP069277.D	10.28	4.54
AR1248ICC750	AR1248ICC750	01/28/2025	13:42	PP069278.D	10.28	4.54
AR1248ICC500	AR1248ICC500	01/28/2025	13:58	PP069279.D	10.28	4.54
AR1248ICC250	AR1248ICC250	01/28/2025	14:15	PP069280.D	10.28	4.54
AR1248ICC050	AR1248ICC050	01/28/2025	14:31	PP069281.D	10.28	4.54
AR1254ICC1000	AR1254ICC1000	01/28/2025	14:47	PP069282.D	10.28	4.54
AR1254ICC750	AR1254ICC750	01/28/2025	15:04	PP069283.D	10.28	4.54
AR1254ICC500	AR1254ICC500	01/28/2025	15:20	PP069284.D	10.28	4.53
AR1254ICC250	AR1254ICC250	01/28/2025	15:36	PP069285.D	10.28	4.54
AR1254ICC050	AR1254ICC050	01/28/2025	15:53	PP069286.D	10.28	4.54
AR1262ICC500	AR1262ICC500	01/28/2025	16:09	PP069287.D	10.28	4.54
AR1268ICC1000	AR1268ICC1000	01/28/2025	16:25	PP069288.D	10.28	4.54
AR1268ICC750	AR1268ICC750	01/28/2025	16:42	PP069289.D	10.28	4.54
AR1268ICC500	AR1268ICC500	01/28/2025	16:58	PP069290.D	10.28	4.54
AR1268ICC250	AR1268ICC250	01/28/2025	17:14	PP069291.D	10.29	4.55
AR1268ICC050	AR1268ICC050	01/28/2025	17:30	PP069292.D	10.28	4.54
AR1660CCC500	AR1660CCC500	02/19/2025	08:26	PP069827.D	10.26	4.53
AR1254CCC500	AR1254CCC500	02/19/2025	09:19	PP069830.D	10.25	4.52
I.BLK	I.BLK	02/19/2025	10:11	PP069831.D	10.25	4.52
PB166770BL	PB166770BL	02/19/2025	13:00	PP069837.D	10.25	4.53
PB166770BS	PB166770BS	02/19/2025	13:16	PP069838.D	10.25	4.52
OU4-PCS-TC-01-021725	Q1382-01	02/19/2025	13:32	PP069839.D	10.25	4.52
AR1660CCC500	AR1660CCC500	02/19/2025	15:10	PP069842.D	10.25	4.52
AR1254CCC500	AR1254CCC500	02/19/2025	16:15	PP069845.D	10.25	4.53
I.BLK	I.BLK	02/19/2025	16:31	PP069846.D	10.25	4.52
OU4-PCS-TC-02-021725	Q1382-03	02/19/2025	16:47	PP069847.D	10.25	4.53
OU4-PCS-TC-03-021725	Q1382-05	02/19/2025	17:03	PP069848.D	10.25	4.52
OU4-PCS-TC-04-021725	Q1382-07	02/19/2025	17:19	PP069849.D	10.25	4.53
OU4-PCS-TC-06-021725	Q1382-11	02/19/2025	17:52	PP069851.D	10.25	4.52

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Fax : 908 789 8922

Analytical Sequence

OU4-PCS-TC-07-021725	Q1382-13	02/19/2025	18:08	PP069852.D	10.25	4.53
OU4-PCS-TC-08-021725	Q1382-15	02/19/2025	18:24	PP069853.D	10.25	4.52
OU4-PCS-TC-09-021725	Q1382-17	02/19/2025	18:40	PP069854.D	10.25	4.53
OU4-PCS-TC-10-021725	Q1382-19	02/19/2025	18:57	PP069855.D	10.25	4.52
AR1660CCC500	AR1660CCC500	02/19/2025	20:18	PP069857.D	10.25	4.53
AR1254CCC500	AR1254CCC500	02/19/2025	21:23	PP069860.D	10.25	4.52
I.BLK	I.BLK	02/19/2025	21:39	PP069861.D	10.25	4.53
AR1660CCC500	AR1660CCC500	02/20/2025	17:03	PP069917.D	10.25	4.52
AR1254CCC500	AR1254CCC500	02/20/2025	17:52	PP069920.D	10.26	4.53
I.BLK	I.BLK	02/20/2025	18:08	PP069921.D	10.25	4.52
OU4-PCS-TC-01-021725MS	Q1382-01MS	02/20/2025	19:29	PP069926.D	10.25	4.52
OU4-PCS-TC-01-021725MSD	Q1382-01MSD	02/20/2025	19:46	PP069927.D	10.25	4.52
OU4-PCS-TC-02-021725RE	Q1382-03RE	02/20/2025	20:02	PP069928.D	10.26	4.53
OU4-PCS-TC-03-021725RE	Q1382-05RE	02/20/2025	20:18	PP069929.D	10.26	4.53
OU4-PCS-TC-04-021725RE	Q1382-07RE	02/20/2025	20:34	PP069930.D	10.25	4.52
OU4-PCS-TC-06-021725RE	Q1382-11RE	02/20/2025	20:50	PP069931.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/20/2025	21:28	PP069932.D	10.25	4.53
AR1254CCC500	AR1254CCC500	02/20/2025	22:17	PP069935.D	10.25	4.52
I.BLK	I.BLK	02/20/2025	22:33	PP069936.D	10.25	4.53
OU4-PCS-TC-10-021725RE	Q1382-19RE	02/20/2025	22:49	PP069937.D	10.25	4.53
OU4-PCS-TC-05-021725	Q1382-09	02/21/2025	00:59	PP069945.D	10.25	4.53
AR1660CCC500	AR1660CCC500	02/21/2025	01:53	PP069947.D	10.25	4.52
I.BLK	I.BLK	02/21/2025	02:58	PP069951.D	10.25	4.53

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1382

Project: Raymark Superfund Site **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/28/2025 01/28/2025

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	01/28/2025	09:21	PP069264.D	8.91	3.84
AR1660ICC1000	AR1660ICC1000	01/28/2025	09:37	PP069265.D	8.91	3.84
AR1660ICC750	AR1660ICC750	01/28/2025	09:54	PP069266.D	8.91	3.84
AR1660ICC500	AR1660ICC500	01/28/2025	10:10	PP069267.D	8.91	3.84
AR1660ICC250	AR1660ICC250	01/28/2025	10:26	PP069268.D	8.91	3.84
AR1660ICC050	AR1660ICC050	01/28/2025	11:15	PP069269.D	8.91	3.84
AR1221ICC500	AR1221ICC500	01/28/2025	11:32	PP069270.D	8.91	3.84
AR1232ICC500	AR1232ICC500	01/28/2025	11:48	PP069271.D	8.91	3.84
AR1242ICC1000	AR1242ICC1000	01/28/2025	12:04	PP069272.D	8.91	3.84
AR1242ICC750	AR1242ICC750	01/28/2025	12:21	PP069273.D	8.91	3.84
AR1242ICC500	AR1242ICC500	01/28/2025	12:37	PP069274.D	8.91	3.84
AR1242ICC250	AR1242ICC250	01/28/2025	12:53	PP069275.D	8.91	3.84
AR1242ICC050	AR1242ICC050	01/28/2025	13:09	PP069276.D	8.91	3.84
AR1248ICC1000	AR1248ICC1000	01/28/2025	13:26	PP069277.D	8.91	3.84
AR1248ICC750	AR1248ICC750	01/28/2025	13:42	PP069278.D	8.91	3.84
AR1248ICC500	AR1248ICC500	01/28/2025	13:58	PP069279.D	8.91	3.84
AR1248ICC250	AR1248ICC250	01/28/2025	14:15	PP069280.D	8.91	3.84
AR1248ICC050	AR1248ICC050	01/28/2025	14:31	PP069281.D	8.91	3.84
AR1254ICC1000	AR1254ICC1000	01/28/2025	14:47	PP069282.D	8.91	3.84
AR1254ICC750	AR1254ICC750	01/28/2025	15:04	PP069283.D	8.91	3.84
AR1254ICC500	AR1254ICC500	01/28/2025	15:20	PP069284.D	8.91	3.84
AR1254ICC250	AR1254ICC250	01/28/2025	15:36	PP069285.D	8.91	3.84
AR1254ICC050	AR1254ICC050	01/28/2025	15:53	PP069286.D	8.91	3.84
AR1262ICC500	AR1262ICC500	01/28/2025	16:09	PP069287.D	8.91	3.84
AR1268ICC1000	AR1268ICC1000	01/28/2025	16:25	PP069288.D	8.91	3.84
AR1268ICC750	AR1268ICC750	01/28/2025	16:42	PP069289.D	8.91	3.84
AR1268ICC500	AR1268ICC500	01/28/2025	16:58	PP069290.D	8.91	3.84
AR1268ICC250	AR1268ICC250	01/28/2025	17:14	PP069291.D	8.91	3.84
AR1268ICC050	AR1268ICC050	01/28/2025	17:30	PP069292.D	8.91	3.84
AR1660CCC500	AR1660CCC500	02/19/2025	08:26	PP069827.D	8.89	3.83
AR1254CCC500	AR1254CCC500	02/19/2025	09:19	PP069830.D	8.89	3.83
I.BLK	I.BLK	02/19/2025	10:11	PP069831.D	8.89	3.83
PB166770BL	PB166770BL	02/19/2025	13:00	PP069837.D	8.89	3.83
PB166770BS	PB166770BS	02/19/2025	13:16	PP069838.D	8.89	3.83
OU4-PCS-TC-01-021725	Q1382-01	02/19/2025	13:32	PP069839.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/19/2025	15:10	PP069842.D	8.89	3.83
AR1254CCC500	AR1254CCC500	02/19/2025	16:15	PP069845.D	8.89	3.83
I.BLK	I.BLK	02/19/2025	16:31	PP069846.D	8.89	3.83
OU4-PCS-TC-02-021725	Q1382-03	02/19/2025	16:47	PP069847.D	8.89	3.83
OU4-PCS-TC-03-021725	Q1382-05	02/19/2025	17:03	PP069848.D	8.89	3.83
OU4-PCS-TC-04-021725	Q1382-07	02/19/2025	17:19	PP069849.D	8.89	3.83
OU4-PCS-TC-06-021725	Q1382-11	02/19/2025	17:52	PP069851.D	8.89	3.83

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Analytical Sequence

OU4-PCS-TC-07-021725	Q1382-13	02/19/2025	18:08	PP069852.D	8.89	3.83
OU4-PCS-TC-08-021725	Q1382-15	02/19/2025	18:24	PP069853.D	8.89	3.83
OU4-PCS-TC-09-021725	Q1382-17	02/19/2025	18:40	PP069854.D	8.89	3.83
OU4-PCS-TC-10-021725	Q1382-19	02/19/2025	18:57	PP069855.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/19/2025	20:18	PP069857.D	8.89	3.83
AR1254CCC500	AR1254CCC500	02/19/2025	21:23	PP069860.D	8.89	3.83
I.BLK	I.BLK	02/19/2025	21:39	PP069861.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/20/2025	17:03	PP069917.D	8.89	3.83
AR1254CCC500	AR1254CCC500	02/20/2025	17:52	PP069920.D	8.89	3.83
I.BLK	I.BLK	02/20/2025	18:08	PP069921.D	8.89	3.83
OU4-PCS-TC-01-021725MS	Q1382-01MS	02/20/2025	19:29	PP069926.D	8.89	3.83
OU4-PCS-TC-01-021725MSD	Q1382-01MSD	02/20/2025	19:46	PP069927.D	8.89	3.83
OU4-PCS-TC-02-021725RE	Q1382-03RE	02/20/2025	20:02	PP069928.D	8.89	3.83
OU4-PCS-TC-03-021725RE	Q1382-05RE	02/20/2025	20:18	PP069929.D	8.89	3.83
OU4-PCS-TC-04-021725RE	Q1382-07RE	02/20/2025	20:34	PP069930.D	8.89	3.83
OU4-PCS-TC-06-021725RE	Q1382-11RE	02/20/2025	20:50	PP069931.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/20/2025	21:28	PP069932.D	8.89	3.83
AR1254CCC500	AR1254CCC500	02/20/2025	22:17	PP069935.D	8.89	3.83
I.BLK	I.BLK	02/20/2025	22:33	PP069936.D	8.89	3.83
OU4-PCS-TC-10-021725RE	Q1382-19RE	02/20/2025	22:49	PP069937.D	8.89	3.83
OU4-PCS-TC-05-021725	Q1382-09	02/21/2025	00:59	PP069945.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/21/2025	01:53	PP069947.D	8.89	3.83
I.BLK	I.BLK	02/21/2025	02:58	PP069951.D	8.89	3.83

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB166770BS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: PB166770BS Date(s) Analyzed: 02/19/2025 02/19/2025

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 PP069838.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.676	5.626	5.726	143		
	2	5.699	5.649	5.749	163		
	3	5.762	5.712	5.812	156		
COLUMN 1	4	5.859	5.809	5.909	159		
	5	6.151	6.101	6.201	145	153	
	1	4.919	4.869	4.969	149		
	2	4.939	4.889	4.989	152		
	3	5.117	5.067	5.167	156		
	4	5.158	5.108	5.208	151		
COLUMN 2	5	5.374	5.324	5.424	147	151	1.32
Aroclor-1260	1	7.271	7.221	7.321	153		
	2	7.525	7.475	7.575	149		
	3	7.884	7.834	7.934	133		
COLUMN 1	4	8.107	8.057	8.157	147		
	5	8.429	8.379	8.479	136	143	
	1	6.412	6.362	6.462	170		
	2	6.599	6.549	6.649	172		
	3	6.753	6.703	6.803	152		
	4	7.226	7.176	7.276	148		
COLUMN 2	5	7.467	7.417	7.517	154	159	10.6

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-01-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-01 Date(s) Analyzed: 02/19/2025 02/19/2025

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 PP069839.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.523	6.473	6.573	10.2		
	2	6.742	6.692	6.792	14.5		
	3	7.104	7.054	7.154	7.83		
COLUMN 1	4	7.387	7.337	7.437	10.0		
	5	7.803	7.753	7.853	4.38	9.40	
	1	5.725	5.675	5.775	13.6		
	2	5.875	5.825	5.925	13.3		
	3	6.28	6.23	6.33	10.7		
	4	6.507	6.457	6.557	10.5		
COLUMN 2	5	6.926	6.876	6.976	6.55	10.9	14.78

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-03-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-05 Date(s) Analyzed: 02/19/2025 02/19/2025

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 PP069848.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.524	6.474	6.574	12.3		
	2	6.743	6.693	6.793	16.3		
	3	7.105	7.055	7.155	10.1		
COLUMN 1	4	7.388	7.338	7.438	11.7		
	5	7.804	7.754	7.854	6.52	11.4	
	1	5.727	5.677	5.777	15.6		
	2	5.876	5.826	5.926	16.4		
	3	6.281	6.231	6.331	12.7		
	4	6.51	6.46	6.56	14.3		
COLUMN 2	5	6.929	6.879	6.979	7.91	13.4	16.13

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-06-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-11 Date(s) Analyzed: 02/19/2025 02/19/2025

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 PP069851.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.525	6.475	6.575	14.5		
	2	6.742	6.692	6.792	20.4		
	3	7.105	7.055	7.155	17.2		
COLUMN 1	4	7.387	7.337	7.437	19.9		
	5	7.802	7.752	7.852	16.9	17.8	
	1	5.727	5.677	5.777	19.6		
	2	5.876	5.826	5.926	23.0		
	3	6.281	6.231	6.331	19.4		
	4	6.51	6.46	6.56	26.2		
COLUMN 2	5	6.928	6.878	6.978	19.2	21.5	18.83

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-07-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-13 Date(s) Analyzed: 02/19/2025 02/19/2025

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 PP069852.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.531	6.481	6.581	46.2		
	2	6.747	6.697	6.797	43.7		
	3	7.109	7.059	7.159	42.1		
COLUMN 1	4	7.392	7.342	7.442	44.4		
	5	7.809	7.759	7.859	39.6	43.2	
	1	5.727	5.677	5.777	43.8		
	2	5.875	5.825	5.925	50.6		
	3	6.28	6.23	6.33	39.1		
	4	6.508	6.458	6.558	42.1		
COLUMN 2	5	6.928	6.878	6.978	37.1	42.5	1.63

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
OU4-PCS-TC-01-021725

Contract: NOBI03
Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382
Lab Sample ID: Q1382-01MS Date(s) Analyzed: 02/20/2025 02/20/2025
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 PP069926.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.677	5.627	5.727	182		
	2	5.7	5.65	5.75	166		
	3	5.762	5.712	5.812	157		
COLUMN 1	4	5.859	5.809	5.909	166		
	5	6.151	6.101	6.201	148	164	
	1	4.918	4.868	4.968	164		
	2	4.938	4.888	4.988	157		
	3	5.115	5.065	5.165	156		
	4	5.157	5.107	5.207	154		
COLUMN 2	5	5.373	5.323	5.423	149	156	5
Aroclor-1254	1	6.528	6.478	6.578	95.8		
	2	6.743	6.693	6.793	61.2		
	3	7.107	7.057	7.157	30.8		
COLUMN 1	4	7.391	7.341	7.441	24.8		
	5	7.805	7.755	7.855	194	81.4	
	1	5.726	5.676	5.776	62.7		
	2	5.874	5.824	5.924	70.0		
	3	6.295	6.245	6.345	62.9		
	4	6.538	6.488	6.588	41.4		
COLUMN 2	5	6.926	6.876	6.976	155	78.5	3.63

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IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.272	7.222	7.322	153		
	2	7.526	7.476	7.576	150		
	3	7.885	7.835	7.935	127		
COLUMN 1	4	8.107	8.057	8.157	137		
	5	8.429	8.379	8.479	131	140	
	1	6.41	6.36	6.46	160		
	2	6.598	6.548	6.648	162		
	3	6.752	6.702	6.802	142		
	4	7.225	7.175	7.275	138		
COLUMN 2	5	7.466	7.416	7.516	142	149	6.23

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-01-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-01MSD Date(s) Analyzed: 02/20/2025 02/20/2025

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 PP069927.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	201		
	2	5.698	5.648	5.748	170		
	3	5.761	5.711	5.811	164		
COLUMN 1	4	5.858	5.808	5.908	177		
	5	6.15	6.1	6.2	157	174	
	1	4.92	4.87	4.97	157		
	2	4.938	4.888	4.988	158		
	3	5.116	5.066	5.166	159		
	4	5.158	5.108	5.208	158		
COLUMN 2	5	5.373	5.323	5.423	151	156	10.91
Aroclor-1254	1	6.525	6.475	6.575	76.7		
	2	6.742	6.692	6.792	58.5		
	3	7.106	7.056	7.156	31.9		
COLUMN 1	4	7.389	7.339	7.439	27.1		
	5	7.803	7.753	7.853	196	78.1	
	1	5.727	5.677	5.777	63.1		
	2	5.875	5.825	5.925	72.6		
	3	6.296	6.246	6.346	62.7		
	4	6.509	6.459	6.559	19.9		
COLUMN 2	5	6.927	6.877	6.977	156	74.9	4.18

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IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.271	7.221	7.321	162		
	2	7.524	7.474	7.574	153		
	3	7.883	7.833	7.933	128		
COLUMN 1	4	8.106	8.056	8.156	136		
	5	8.428	8.378	8.478	134	143	
	1	6.412	6.362	6.462	164		
	2	6.599	6.549	6.649	159		
	3	6.753	6.703	6.803	143		
	4	7.227	7.177	7.277	137		
COLUMN 2	5	7.467	7.417	7.517	144	149	4.11

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-03-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-05RE Date(s) Analyzed: 02/20/2025 02/20/2025

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 PP069929.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.531	6.481	6.581	8.60		
	2	6.744	6.694	6.794	15.5		
	3	7.105	7.055	7.155	15.2		
COLUMN 1	4	7.389	7.339	7.439	12.9		
	5	7.807	7.757	7.857	5.51	11.6	
	1	5.726	5.676	5.776	14.3		
	2	5.873	5.823	5.923	13.5		
	3	6.278	6.228	6.328	11.5		
	4	6.509	6.459	6.559	10.2		
COLUMN 2	5	6.927	6.877	6.977	6.45	11.2	3.51

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-PCS-TC-06-021725

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-11RE Date(s) Analyzed: 02/20/2025 02/20/2025

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 PP069931.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.53	6.48	6.58	12.0		
	2	6.743	6.693	6.793	16.2		
	3	7.106	7.056	7.156	24.1		
COLUMN 1	4	7.389	7.339	7.439	21.8		
	5	7.807	7.757	7.857	15.8	18.0	
	1	5.726	5.676	5.776	16.3		
	2	5.874	5.824	5.924	18.4		
	3	6.28	6.23	6.33	17.2		
	4	6.508	6.458	6.558	19.3		
COLUMN 2	5	6.927	6.877	6.977	19.8	18.2	1.1

QC SAMPLE DATA

Raw Data: **PP069837.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166770BL	SDG No.:	Q1382
Lab Sample ID:	PB166770BL	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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069837.D	1	02/19/25 08:10	02/19/25 13:00	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.40	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	6.40	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	13.0	U	3.40	13.0	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	3.40	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	7.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	13.0	U	2.70	13.0	17.0	ug/kg
37324-23-5	Aroclor-1262	8.30	U	4.60	8.30	17.0	ug/kg
11100-14-4	Aroclor-1268	13.0	U	3.40	13.0	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.7		44 - 130		129%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		60 - 125		119%	SPK: 20

Comments:

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

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

Sample Results: **PP069837.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 13:00
Operator : YP\AJ
Sample : PB166770BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166770BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	36582177	22945686	25.555	25.708m
2)	SA Decachlor...	10.252	8.887	24526563	26585479	22.442	23.769
	Target Compounds						

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

Sample Results: **PP069837.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 13:00
Operator : YP\AJ
Sample : PB166770BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

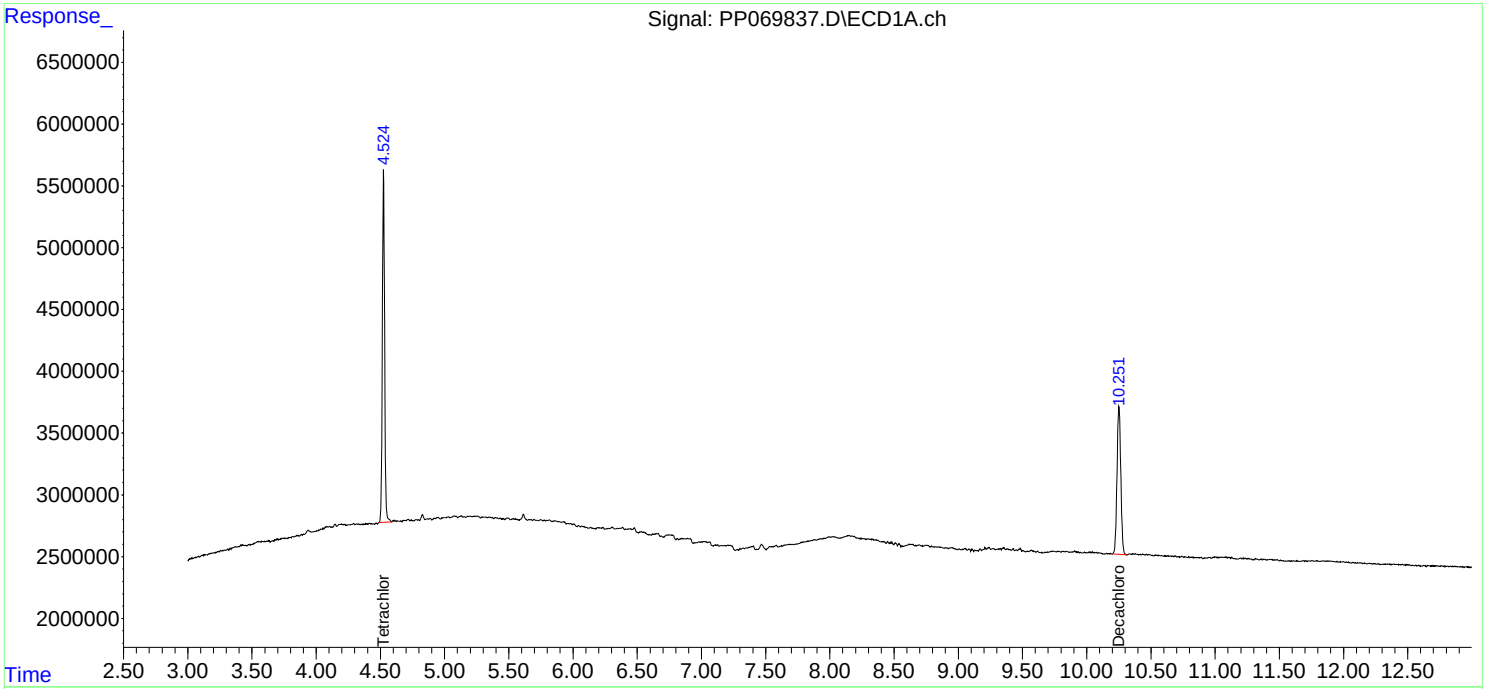
Instrument :
ECD_P
ClientSampleId :
PB166770BL

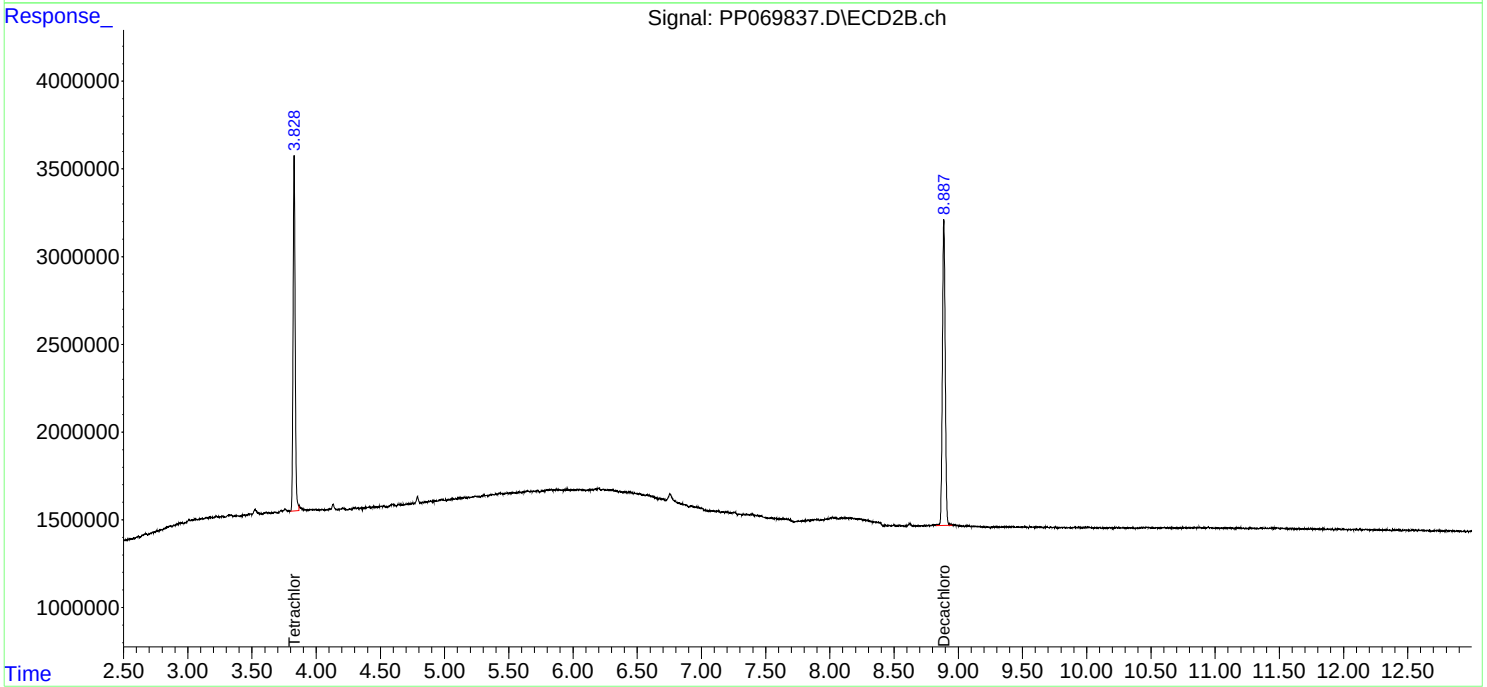
Manual Integrations APPROVED

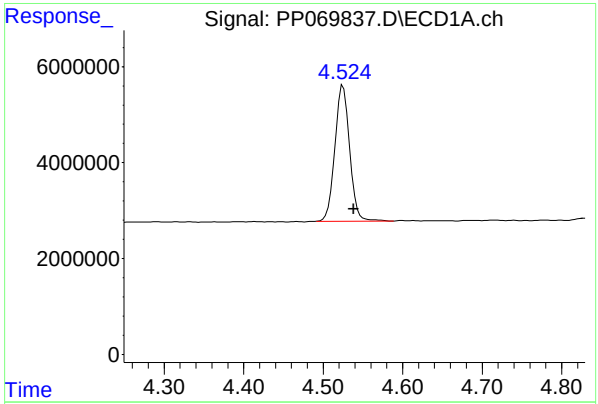
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







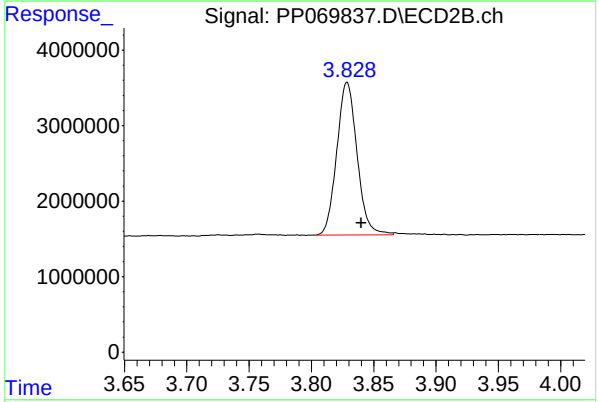
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.013 min
Response: 36582177
Conc: 25.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166770BL

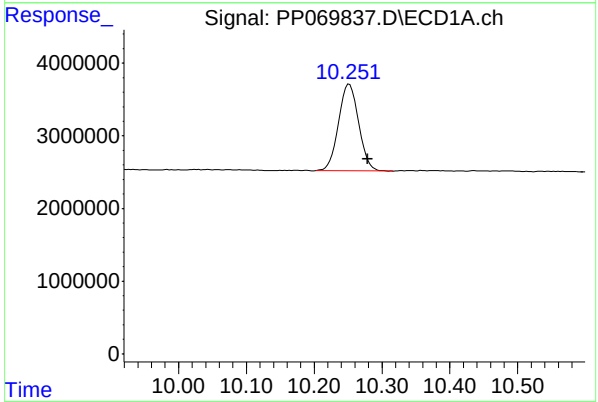
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



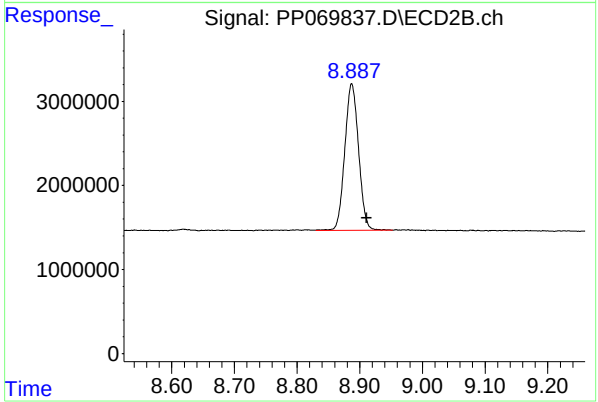
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.012 min
Response: 22945686
Conc: 25.71 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.027 min
Response: 24526563
Conc: 22.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 26585479
Conc: 23.77 ng/ml

Raw Data: **PP069264.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	01/28/25
Project:	Raymark Superfund Site	Date Received:	01/28/25
Client Sample ID:	PIBLK-PP069264.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069264.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069264.D	1		01/28/25	PP012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.7		60 - 140		128%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		60 - 140		127%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP069264.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:21
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: Jan 28 17:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.539	3.842	36765163	23177515	25.683	25.968
2)	SA Decachlor...	10.282	8.913	27772759	28447720	25.412	25.434
	Target Compounds						

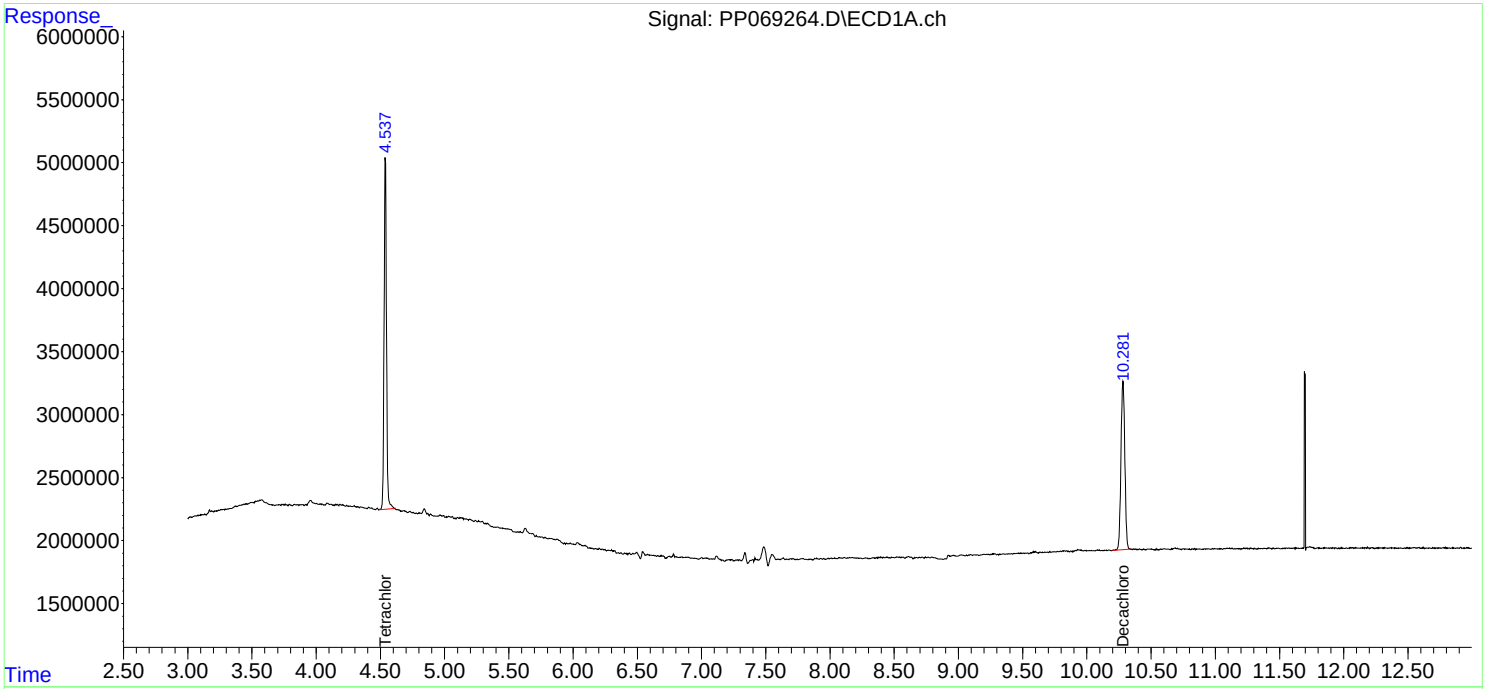
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

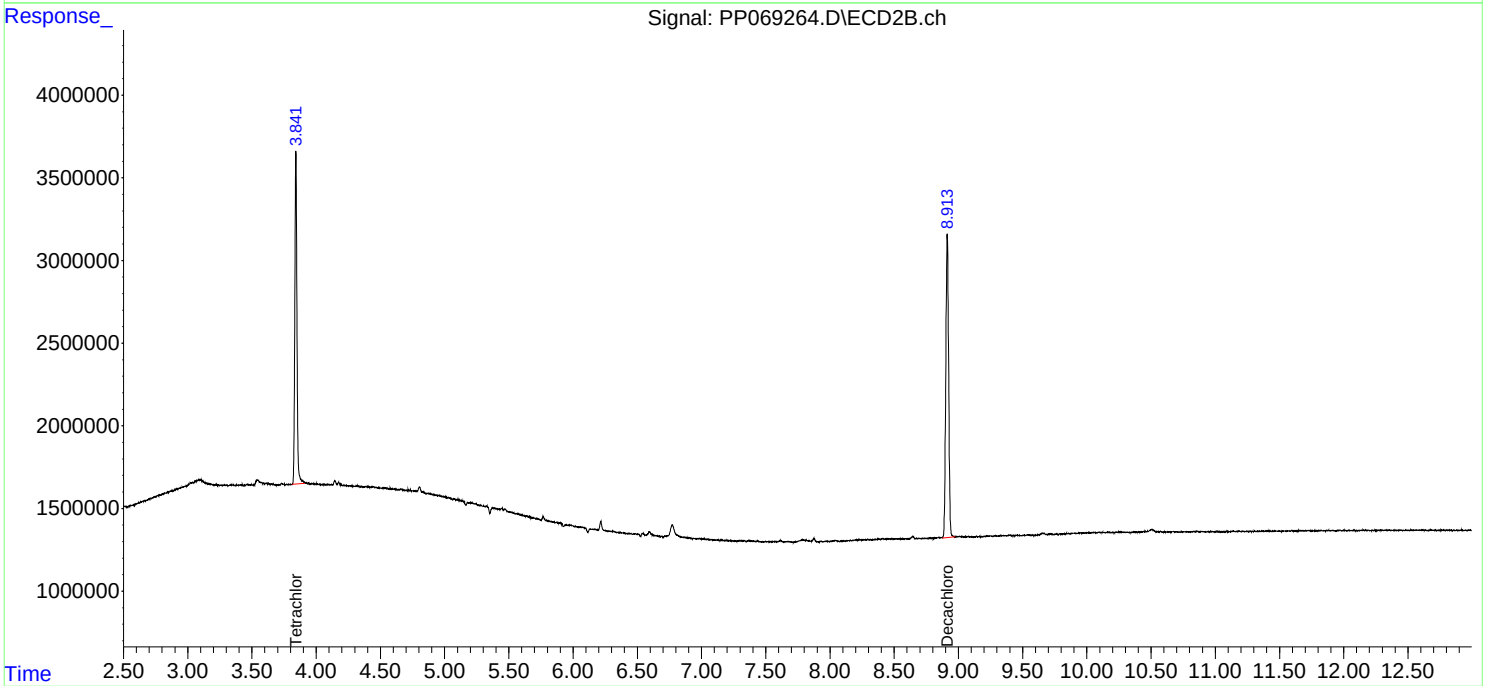
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

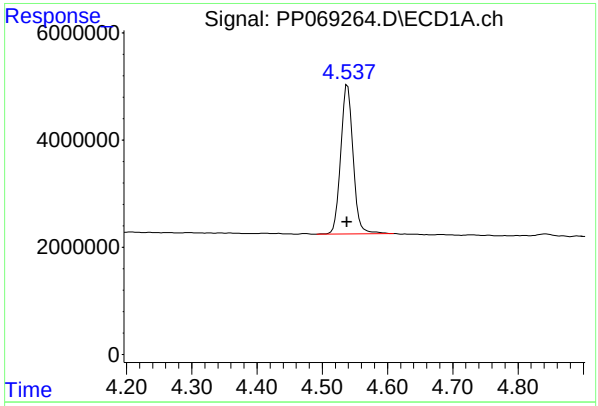
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



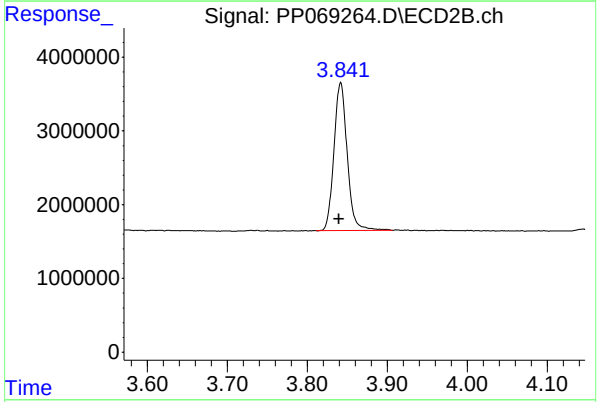




#1 Tetrachloro-m-xylene

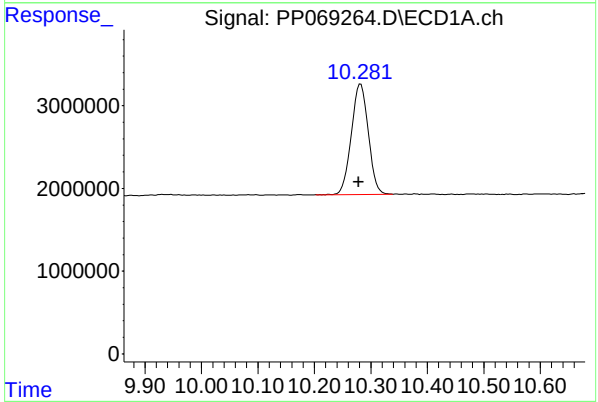
R.T.: 4.539 min
Delta R.T.: 0.000 min
Response: 36765163
Conc: 25.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



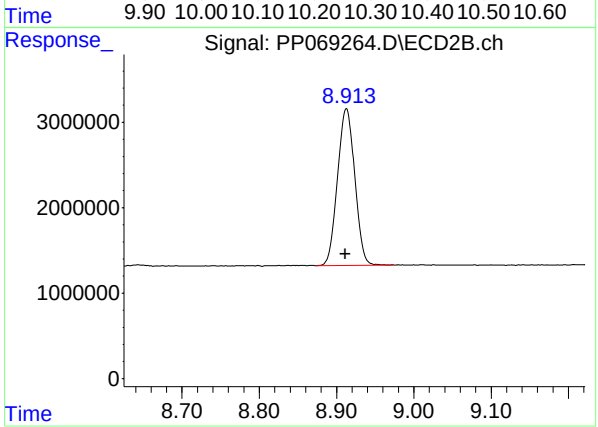
#1 Tetrachloro-m-xylene

R.T.: 3.842 min
Delta R.T.: 0.002 min
Response: 23177515
Conc: 25.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.282 min
Delta R.T.: 0.004 min
Response: 27772759
Conc: 25.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.913 min
Delta R.T.: 0.002 min
Response: 28447720
Conc: 25.43 ng/ml

Raw Data: **PP069831.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PP069831.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069831.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069831.D	1		02/19/25	PP021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.0		60 - 140		115%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 140		109%	SPK: 20

Comments:

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

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

Sample Results: **PP069831.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 10:11
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 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 12:00:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	33330414	20524428	23.284	22.996m
2)	SA Decachlor...	10.250	8.888	24640553	24452957	22.546	21.863
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 10:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

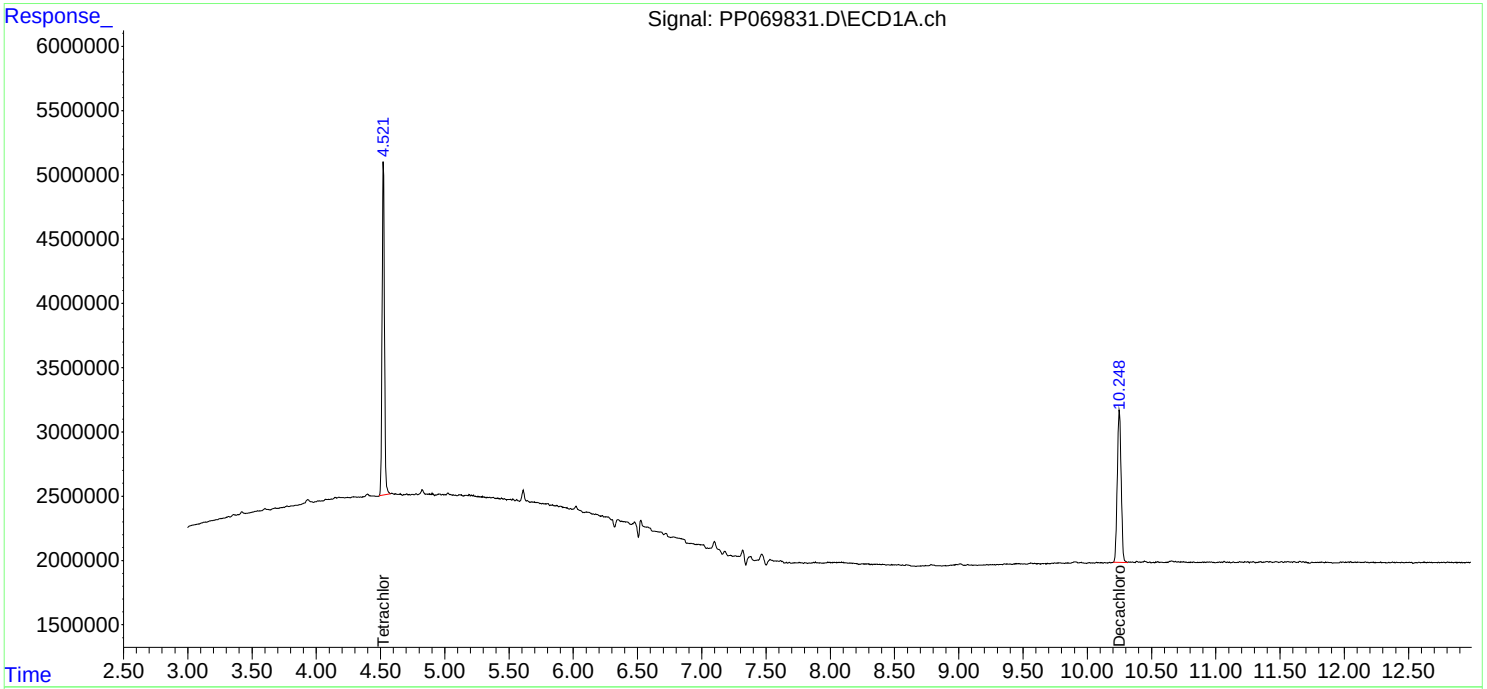
Instrument :
ECD_P
ClientSampleId :
I.BLK

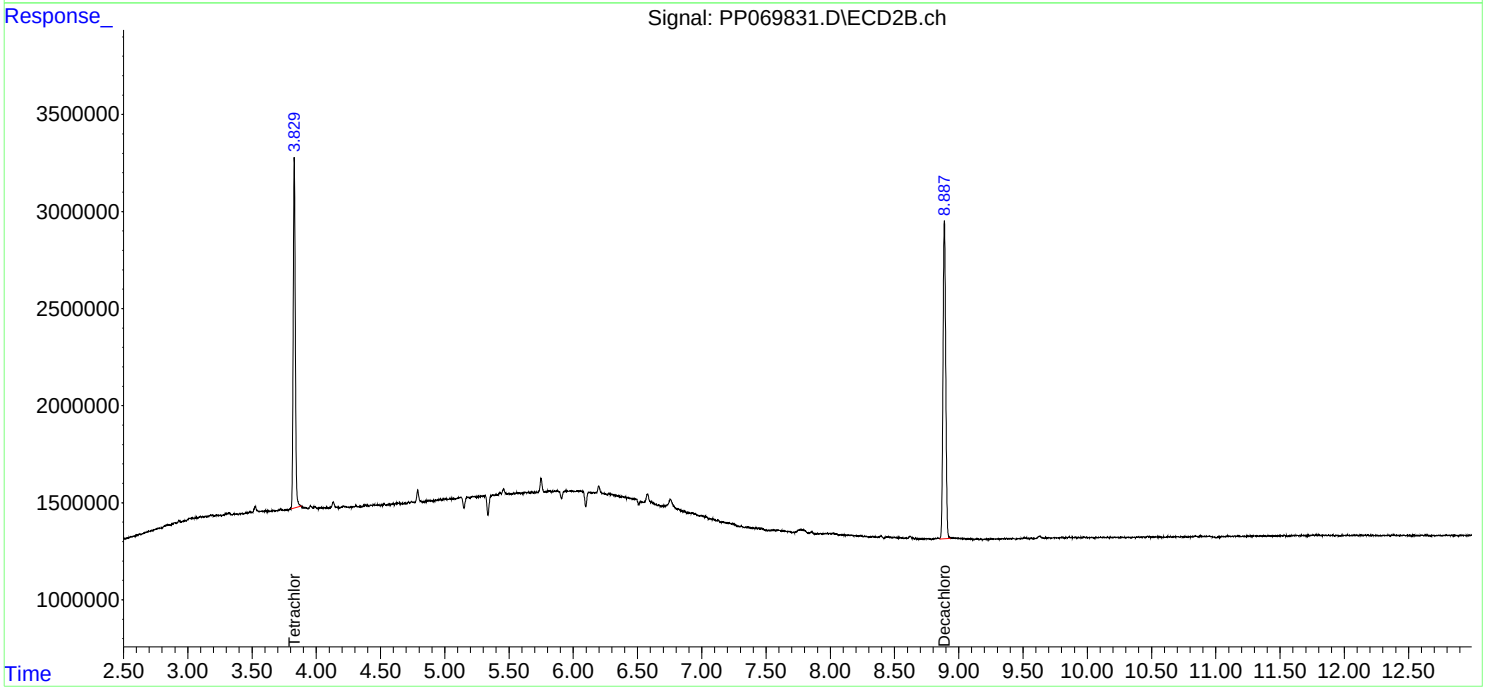
Manual Integrations APPROVED

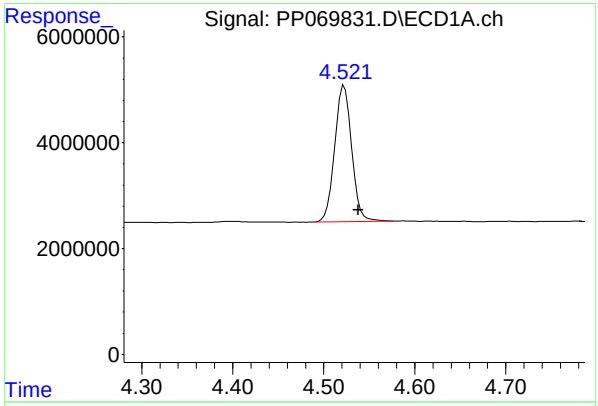
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 12:00:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







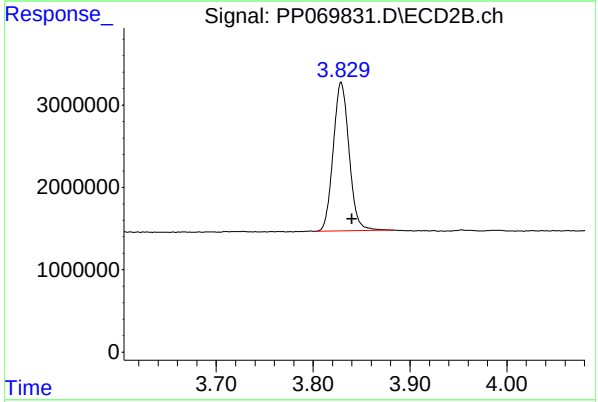
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 33330414
Conc: 23.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

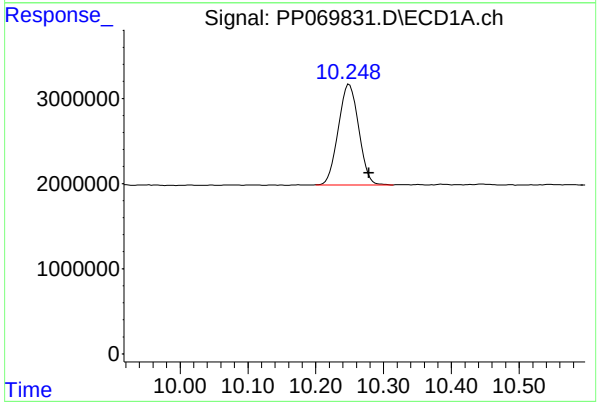
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



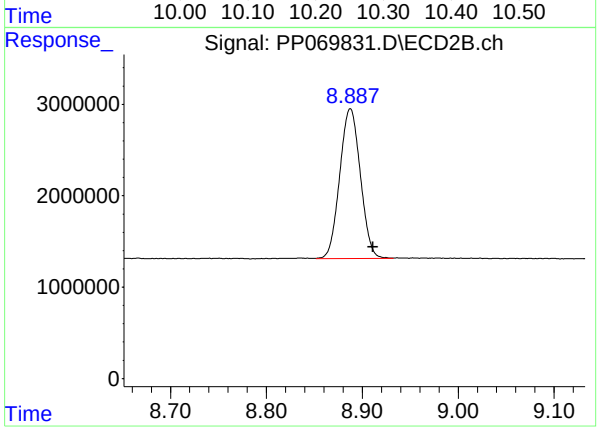
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 20524428
Conc: 23.00 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.029 min
Response: 24640553
Conc: 22.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 24452957
Conc: 21.86 ng/ml

Raw Data: **PP069846.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PP069846.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069846.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069846.D	1		02/19/25	PP021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.9		60 - 140		115%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 140		111%	SPK: 20

Comments:

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

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

Sample Results: **PP069846.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:31
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 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.829	33096603	20482405	23.121	22.948m
2)	SA Decachlor...	10.251	8.888	24297331	25578850	22.232	22.869
	Target Compounds						

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

Sample Results: **PP069846.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:31
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

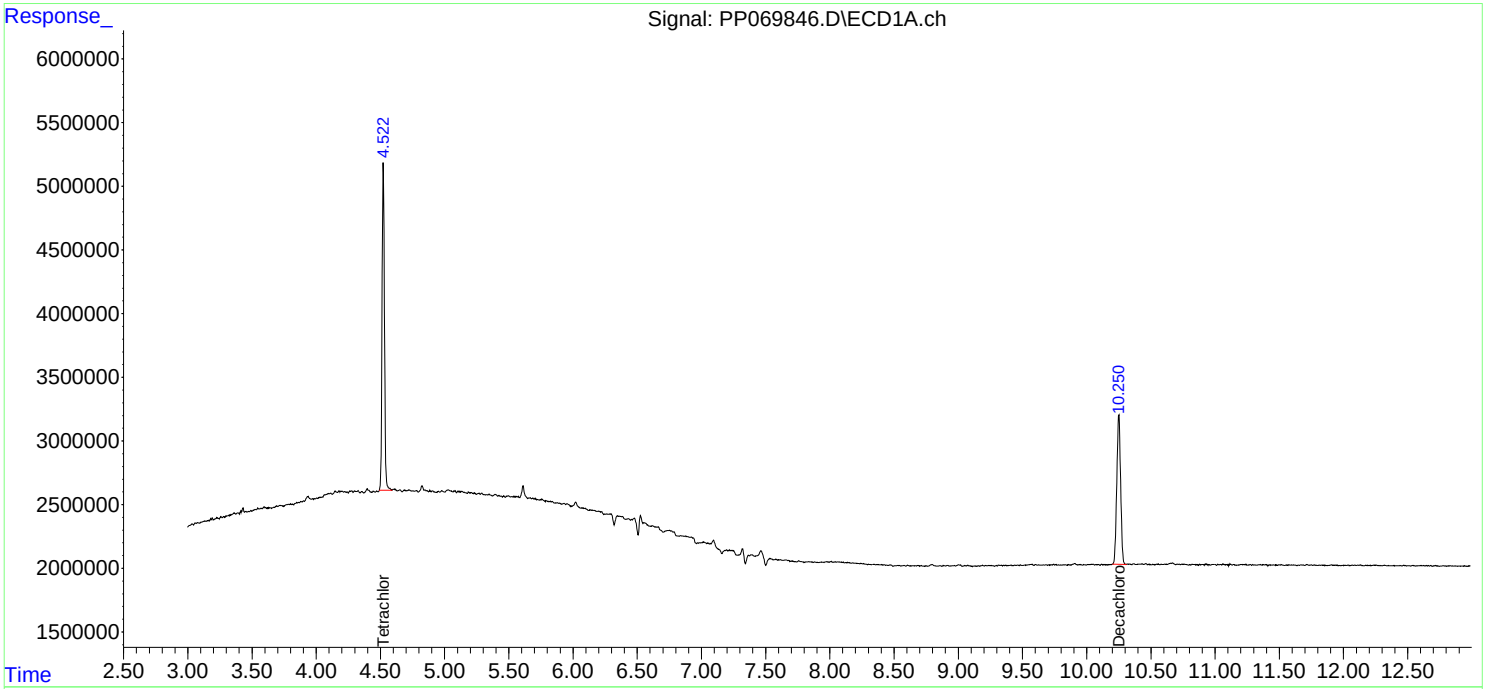
Instrument :
ECD_P
ClientSampleId :
I.BLK

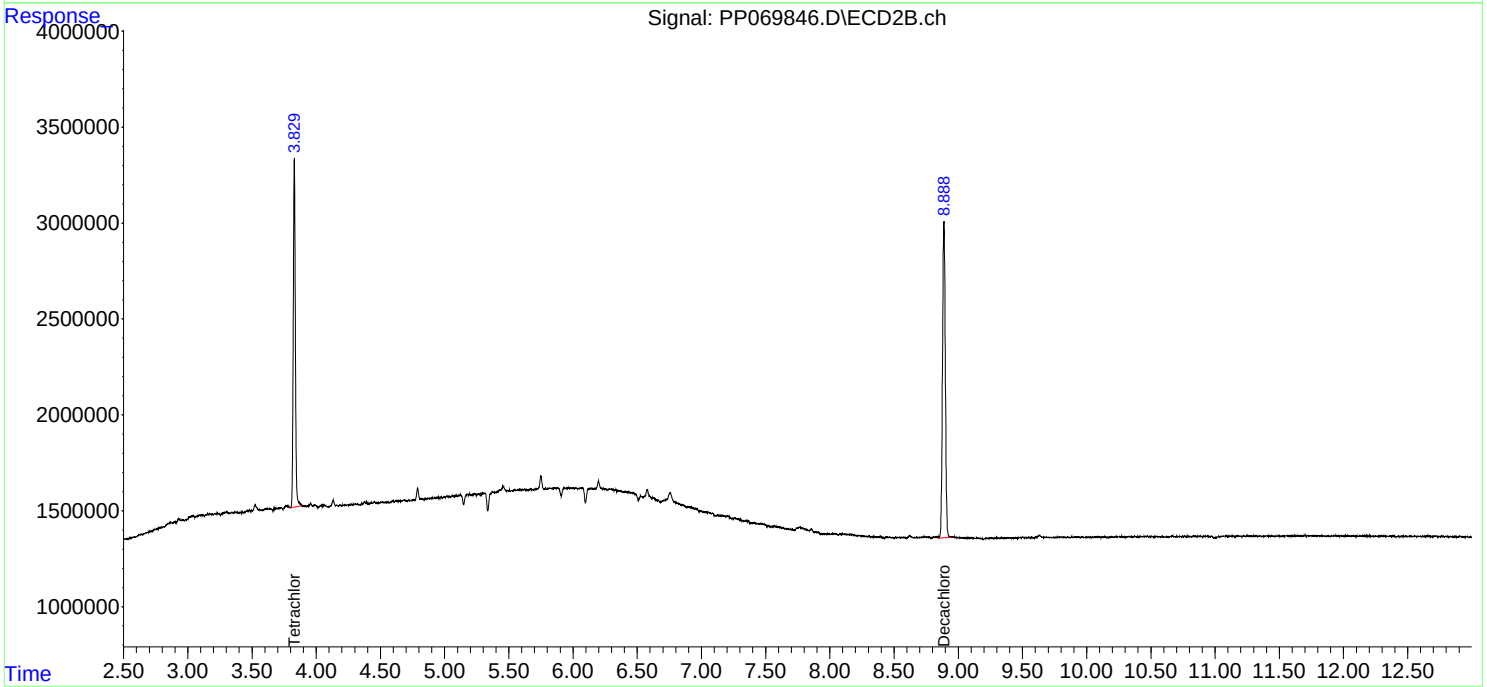
Manual Integrations APPROVED

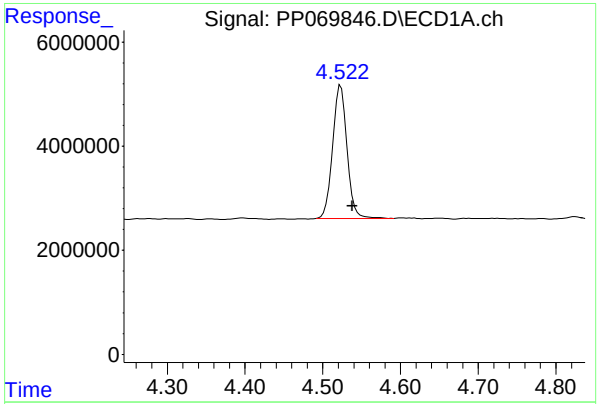
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







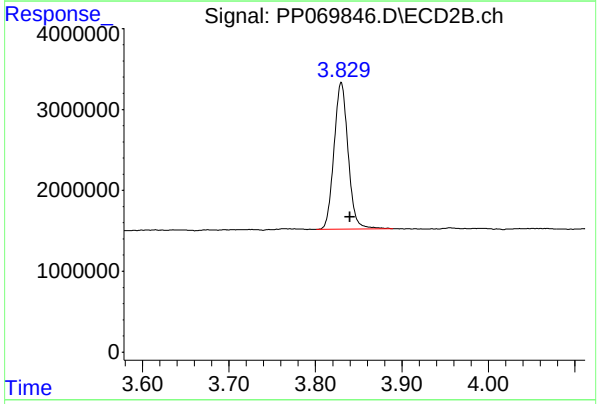
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 33096603
Conc: 23.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

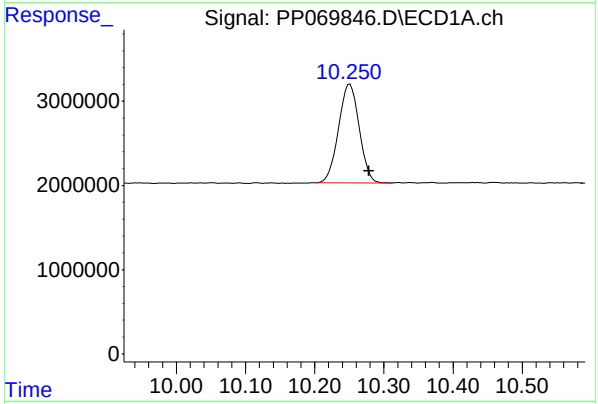
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



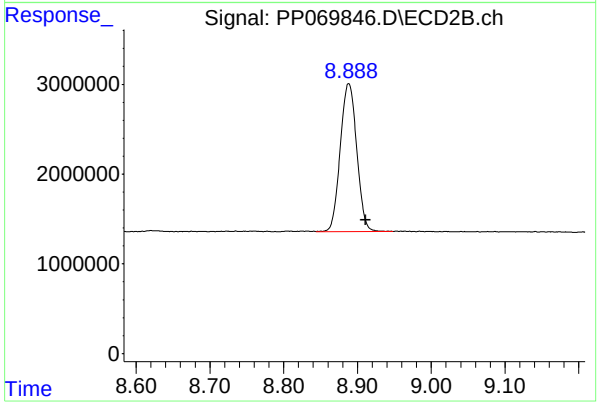
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 20482405
Conc: 22.95 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.028 min
Response: 24297331
Conc: 22.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 25578850
Conc: 22.87 ng/ml

Raw Data: **PP069861.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PP069861.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069861.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069861.D	1		02/19/25	PP021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.5		60 - 140		112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		60 - 140		111%	SPK: 20

Comments:

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

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

Sample Results: **PP069861.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:39
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 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	33016975	20046645	23.065	22.460m
2)	SA Decachlor...	10.252	8.887	24247523	24764461	22.186	22.141
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

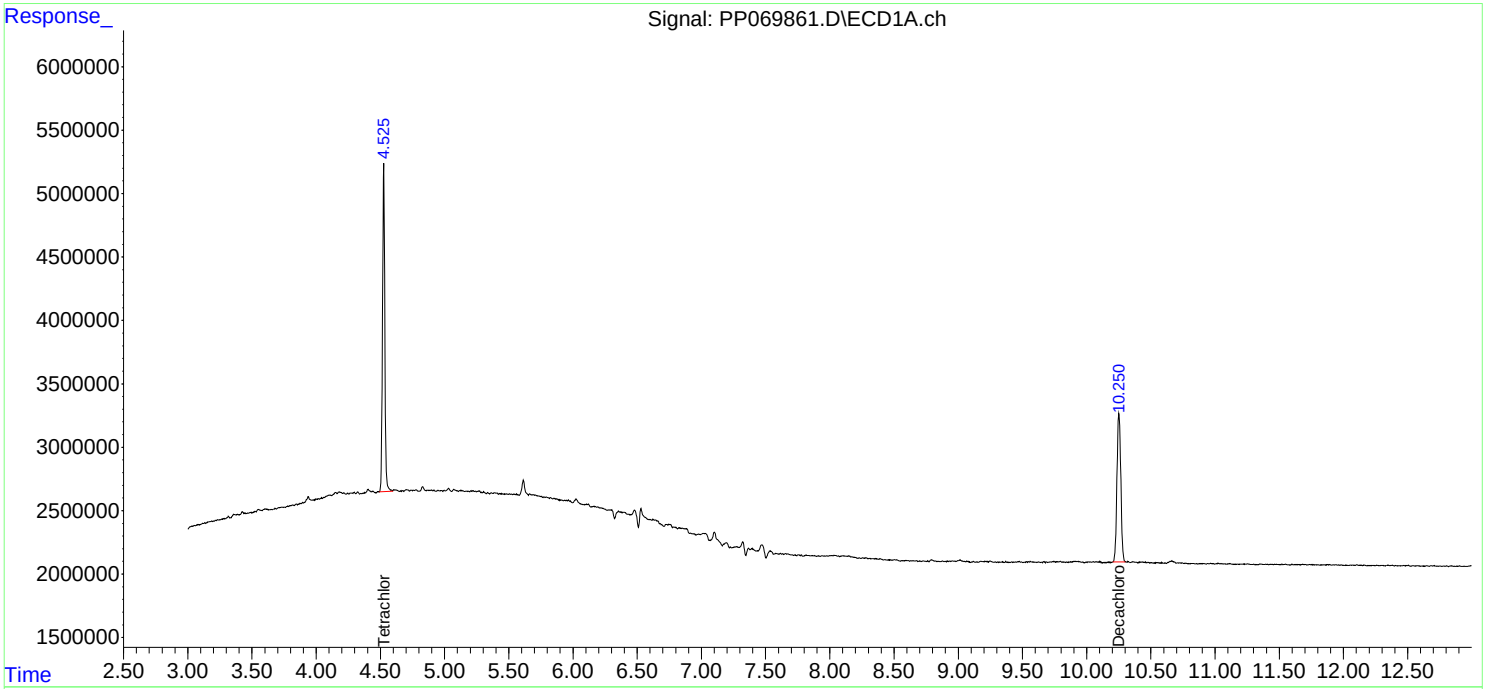
Instrument :
ECD_P
ClientSampleId :
I.BLK

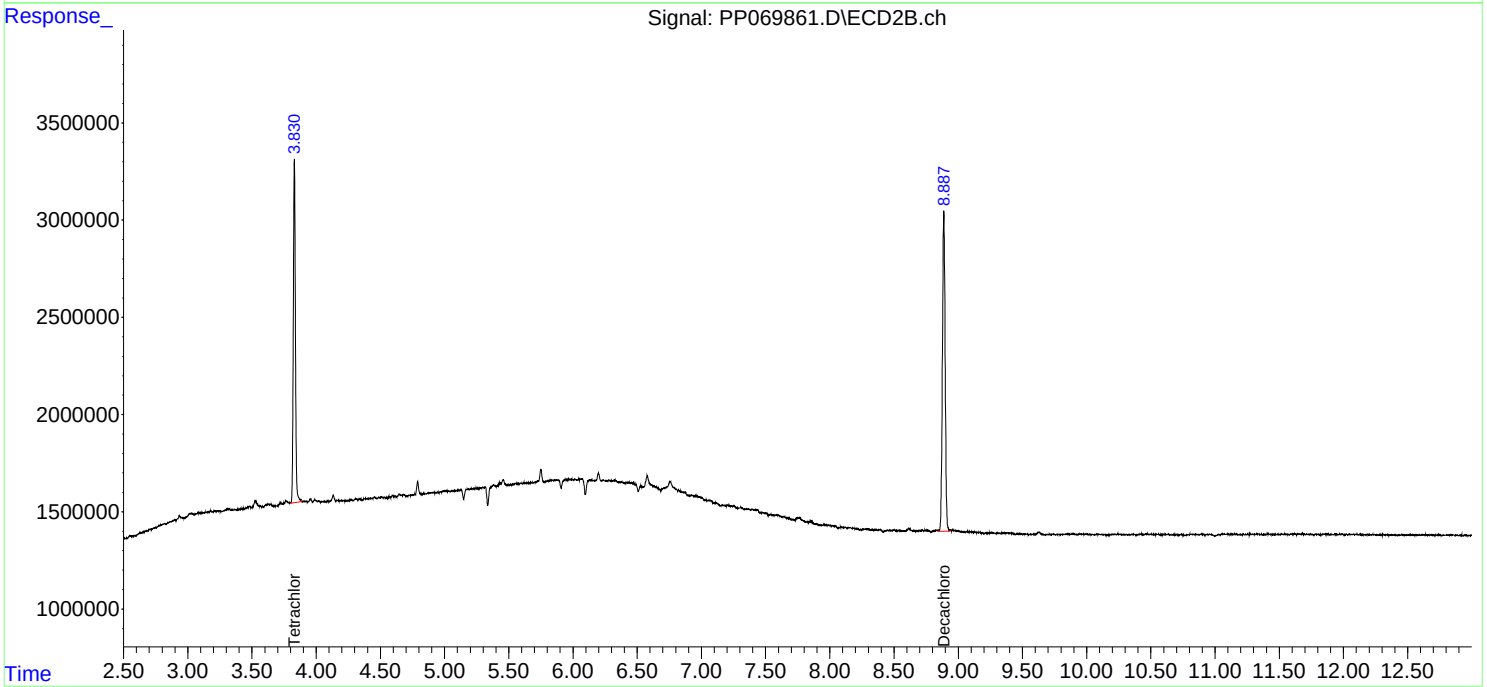
Manual Integrations APPROVED

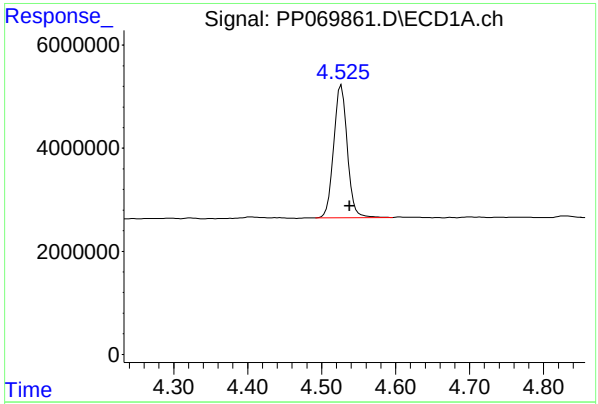
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







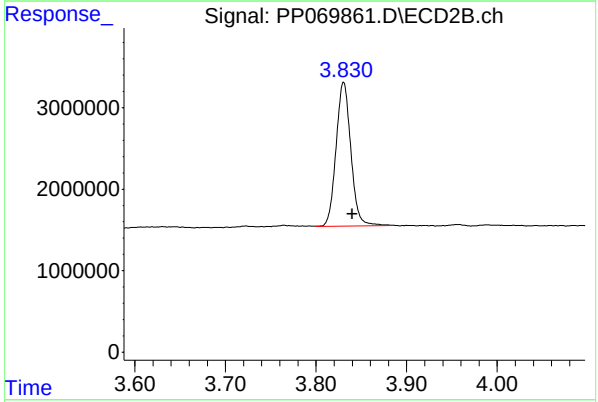
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: -0.011 min
Response: 33016975
Conc: 23.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

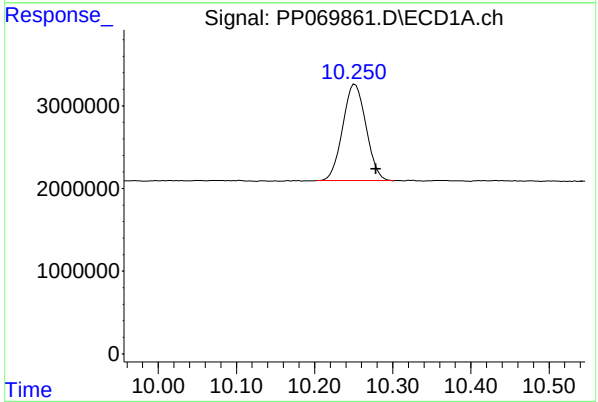
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



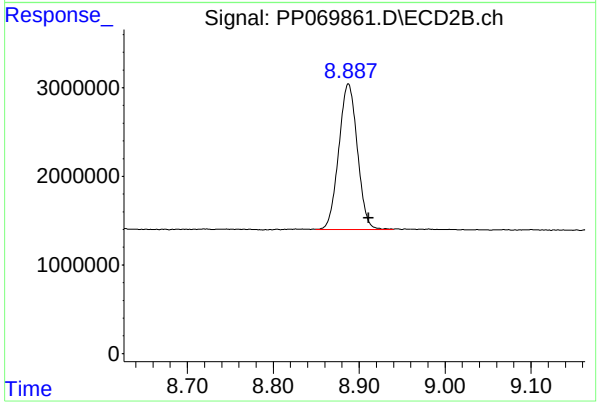
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 20046645
Conc: 22.46 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.027 min
Response: 24247523
Conc: 22.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 24764461
Conc: 22.14 ng/ml

Raw Data: **PP069921.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PP069921.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069921.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069921.D	1		02/20/25	PP022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.8		60 - 140		119%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 140		118%	SPK: 20

Comments:

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

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

Sample Results: **PP069921.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:08
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 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:51:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	34011393	21383745	23.760	23.958m
2)	SA Decachlor...	10.252	8.889	25815110	26557637	23.621	23.744
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:08
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

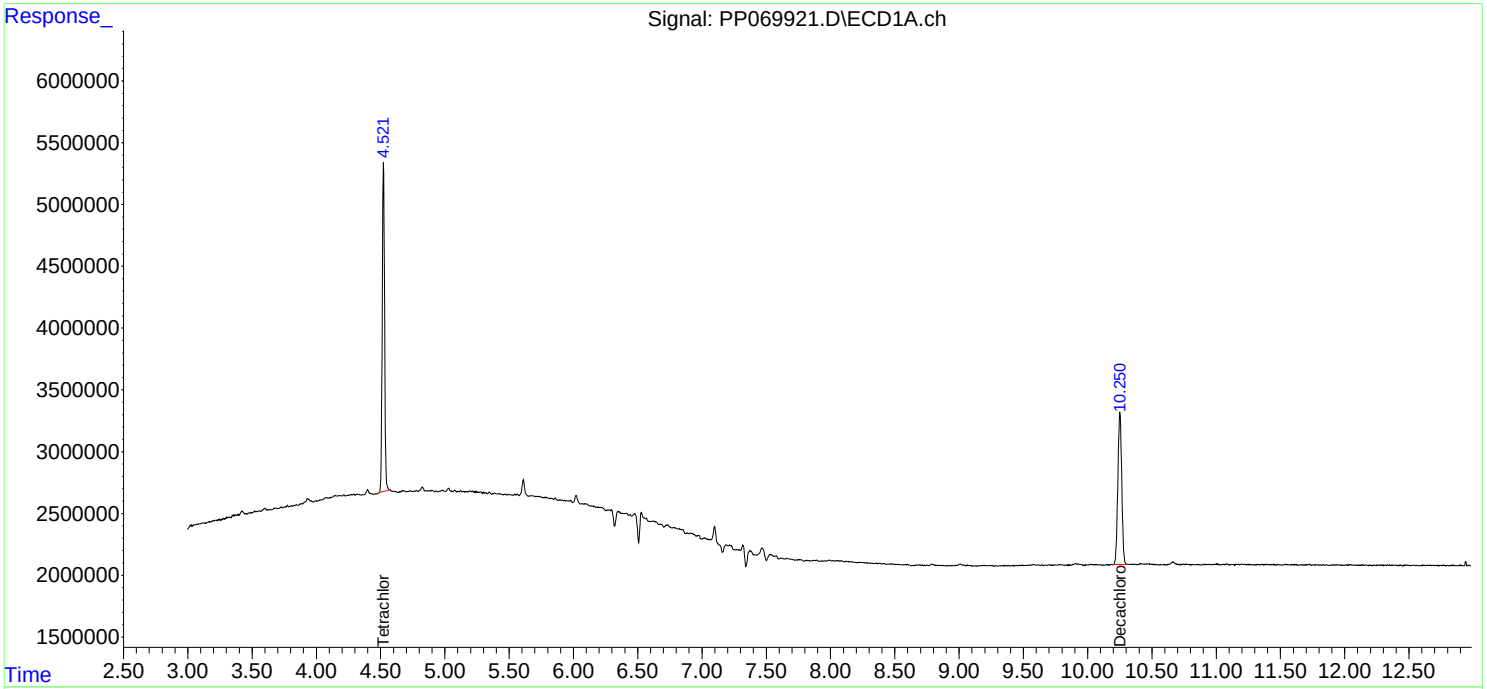
Instrument :
ECD_P
ClientSampleId :
I.BLK

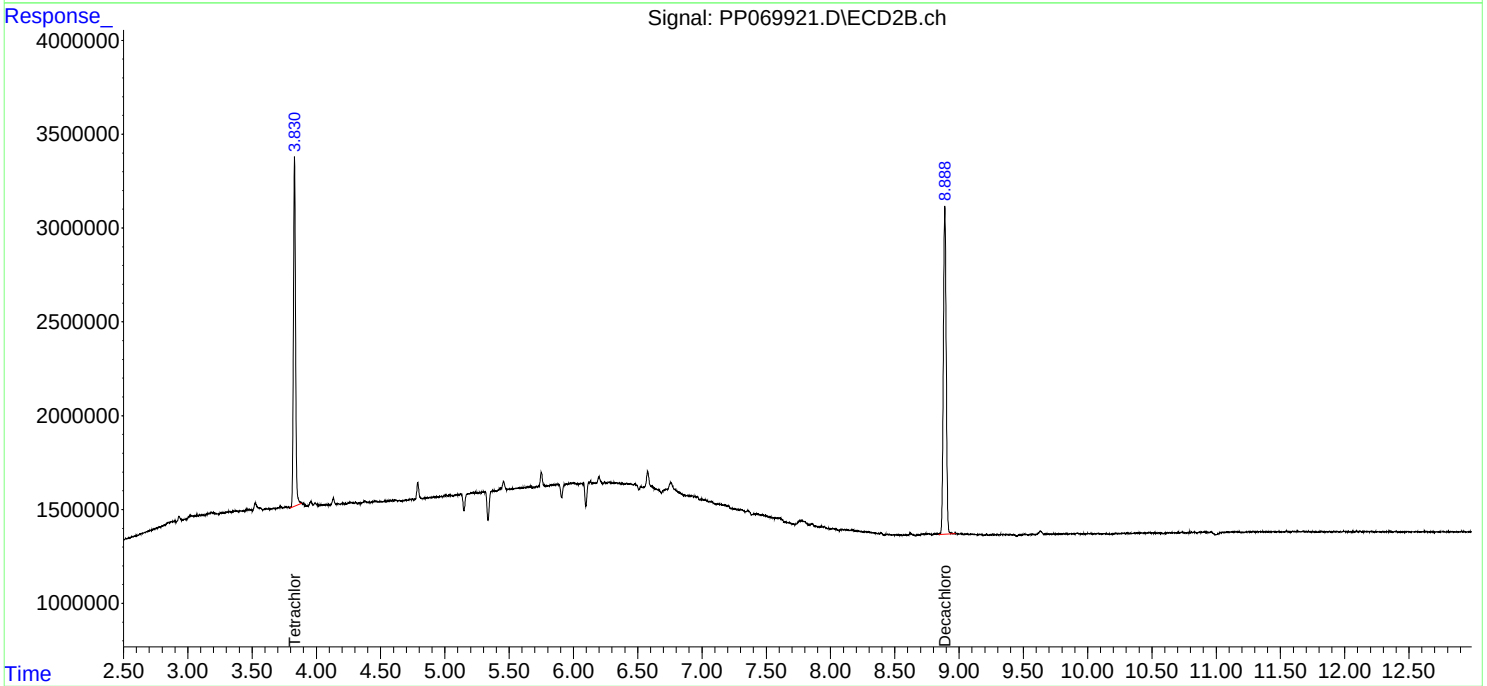
Manual Integrations APPROVED

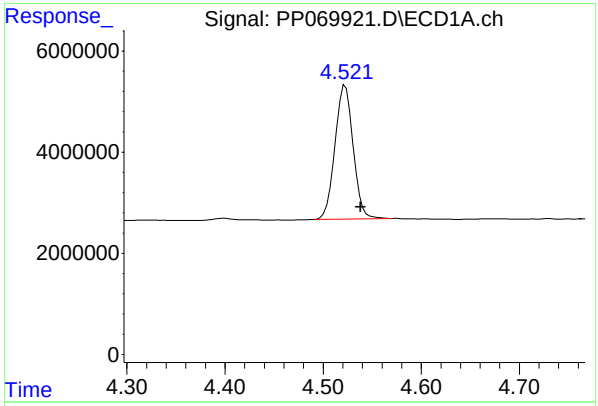
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:51:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







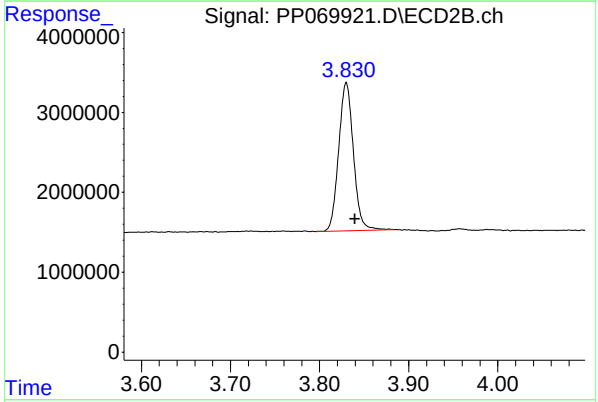
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 34011393
Conc: 23.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

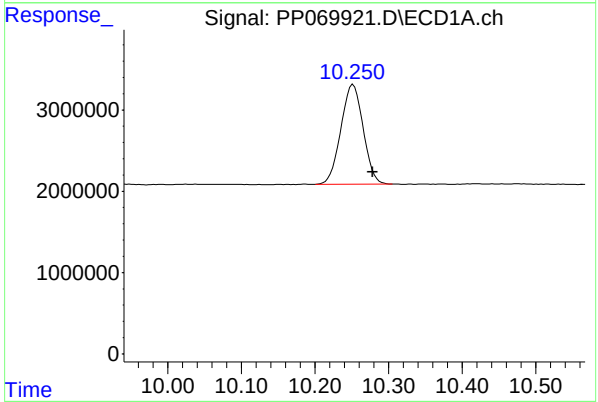
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



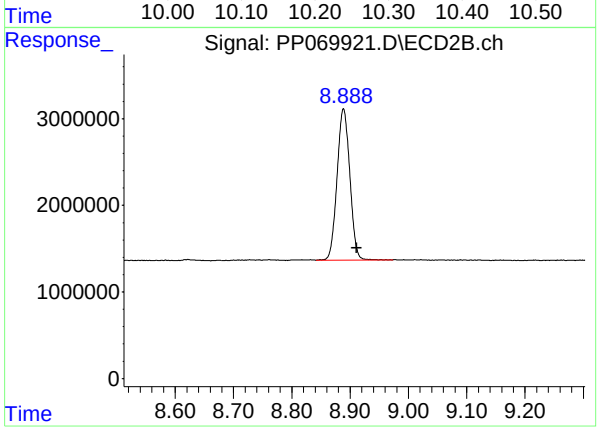
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 21383745
Conc: 23.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.027 min
Response: 25815110
Conc: 23.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 26557637
Conc: 23.74 ng/ml

Raw Data: **PP069936.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PP069936.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069936.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069936.D	1		02/20/25	PP022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.2		60 - 140		121%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		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

Sample Results: **PP069936.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:33
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 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:56:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	34997045	21586619	24.448	24.186m
2)	SA Decachlor...	10.253	8.887	26181347	25973403	23.956	23.222
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:33
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

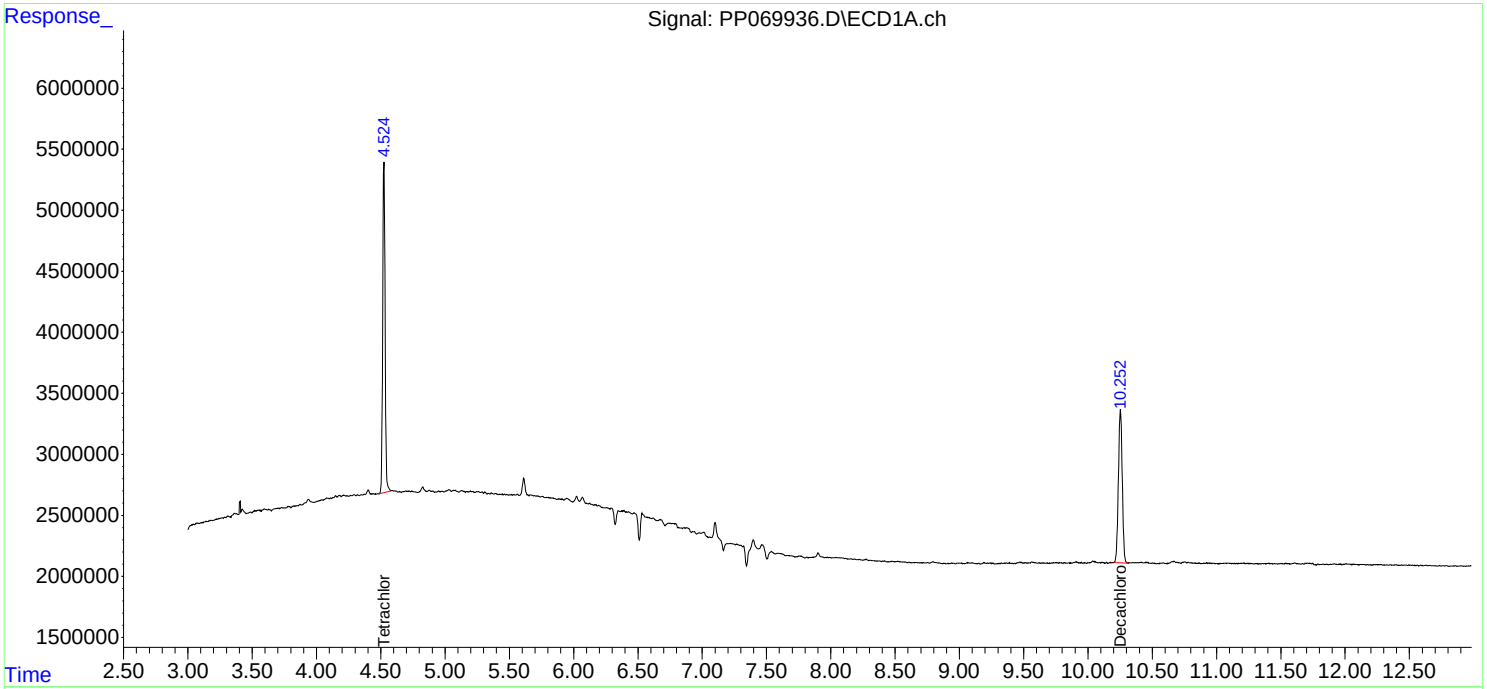
Instrument :
ECD_P
ClientSampleId :
I.BLK

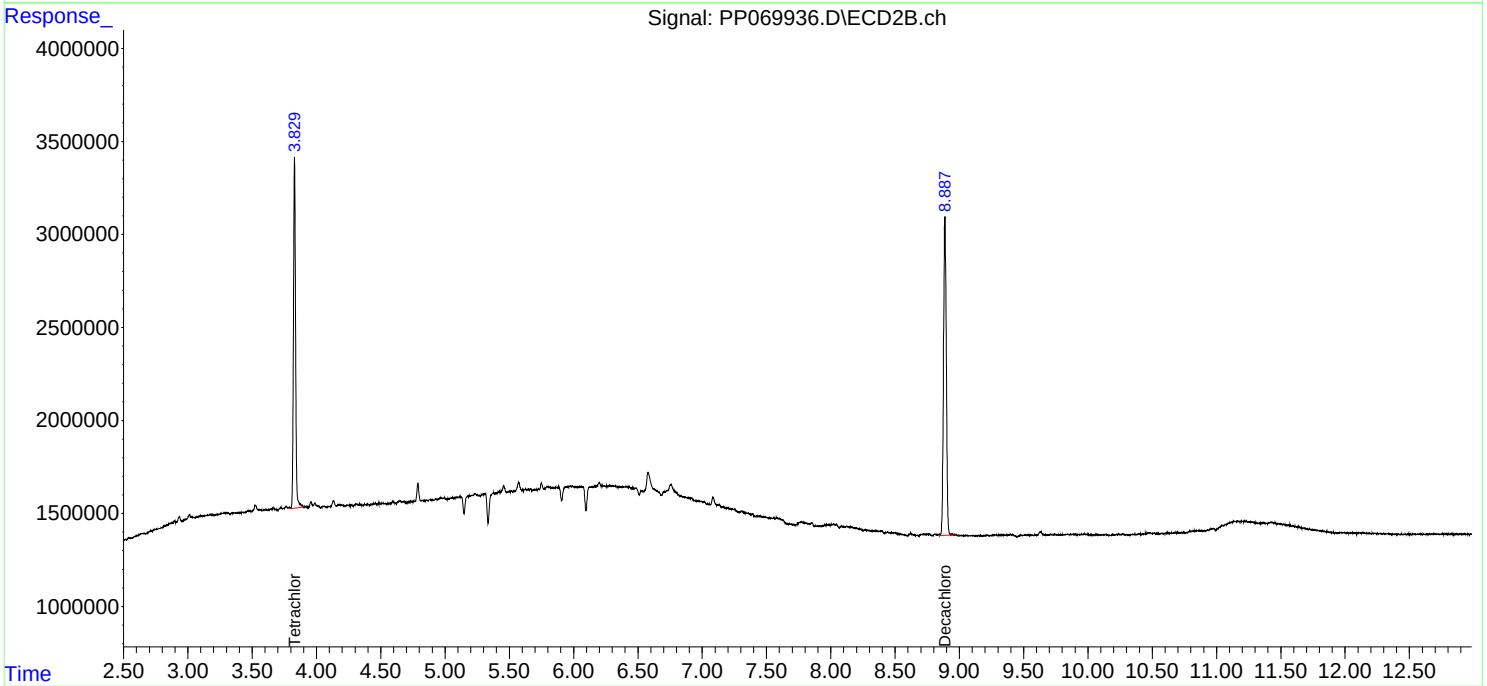
Manual Integrations APPROVED

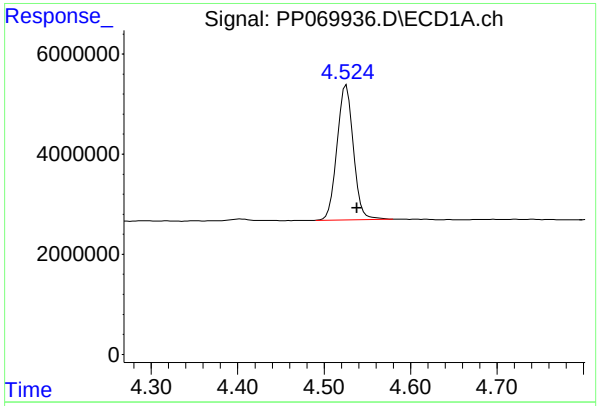
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:56:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







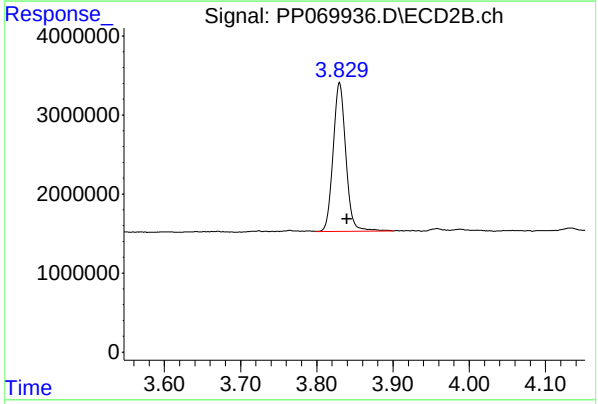
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 34997045
Conc: 24.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

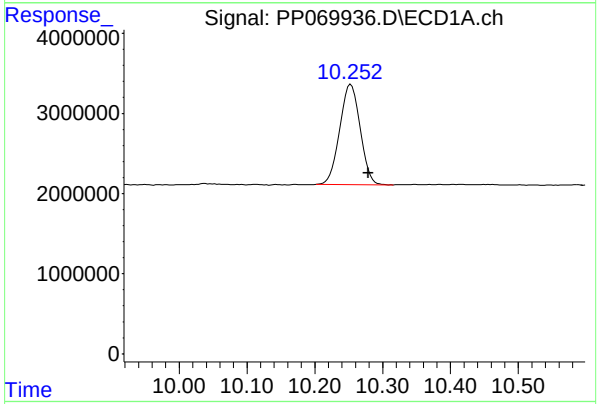
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



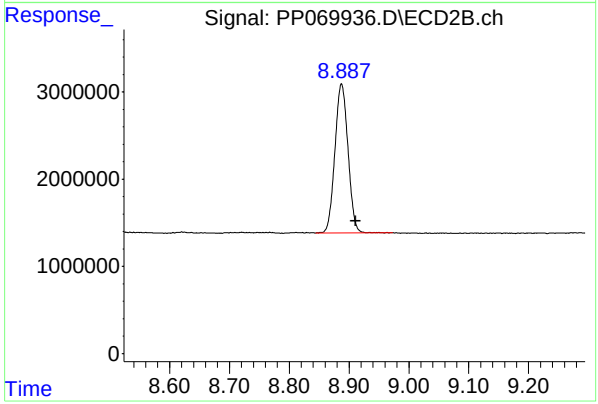
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 21586619
Conc: 24.19 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.025 min
Response: 26181347
Conc: 23.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 25973403
Conc: 23.22 ng/ml

Raw Data: **PP069951.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/21/25
Project:	Raymark Superfund Site	Date Received:	02/21/25
Client Sample ID:	PIBLK-PP069951.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PP069951.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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069951.D	1		02/21/25	PP022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.5		60 - 140		127%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		60 - 140		119%	SPK: 20

Comments:

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

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

Sample Results: **PP069951.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 02:58
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 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 05:01:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	36714114	22723891	25.648	25.460m
2)	SA Decachlor...	10.253	8.887	26925500	26589192	24.637	23.773
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 02:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

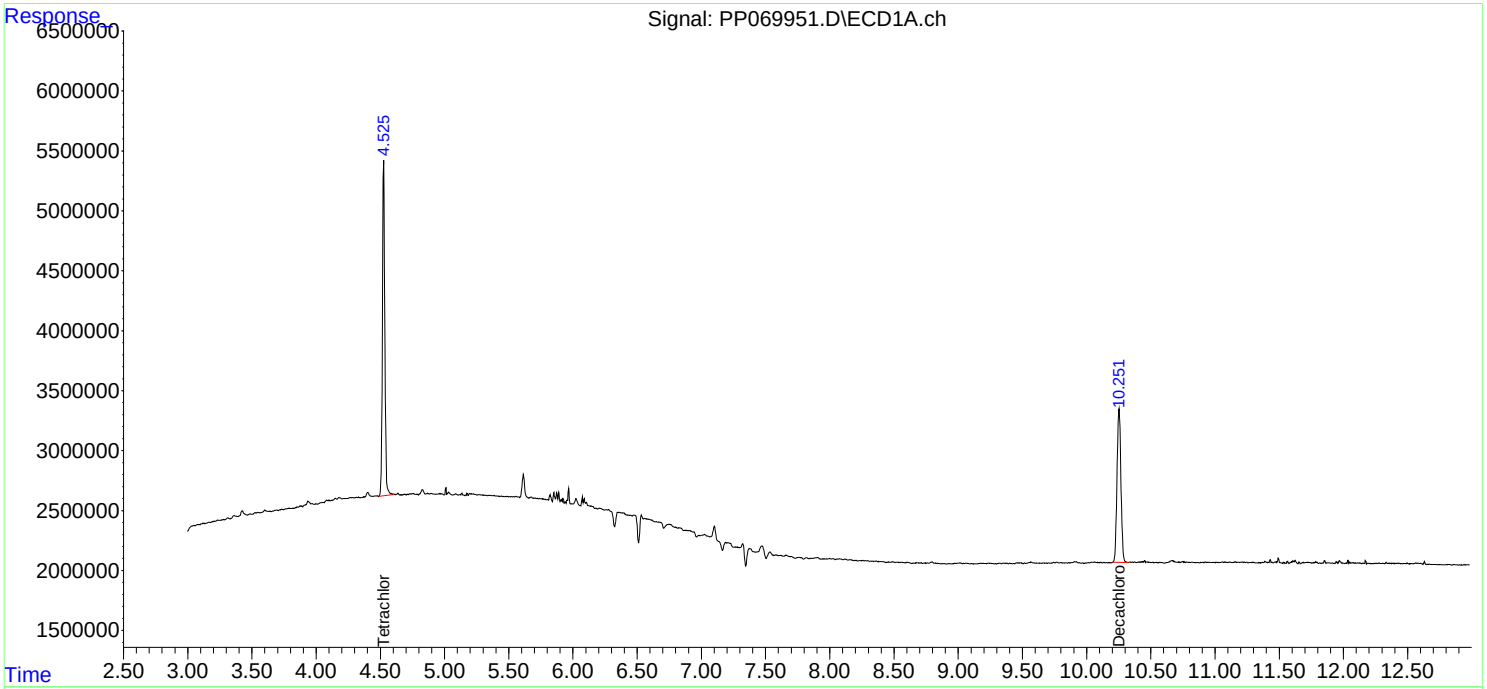
Instrument :
ECD_P
ClientSampleId :
I.BLK

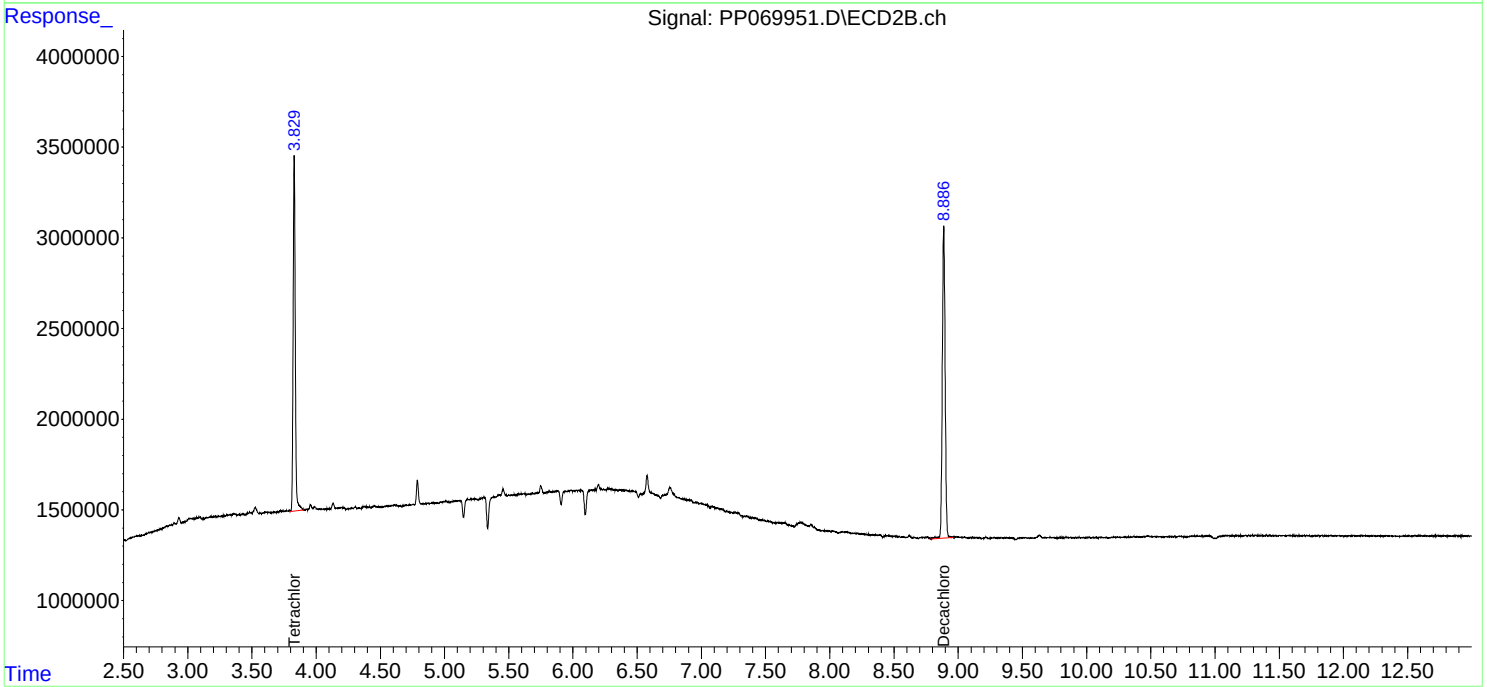
Manual Integrations APPROVED

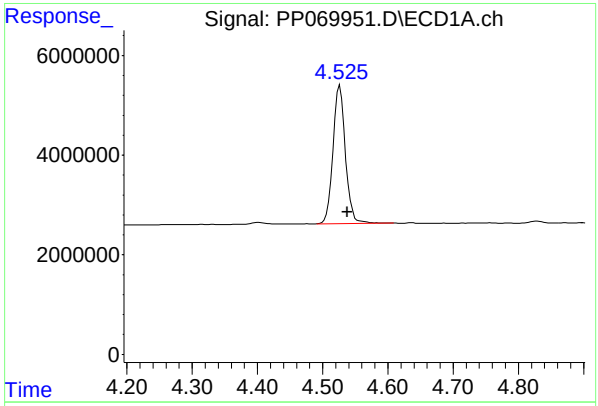
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 05:01:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







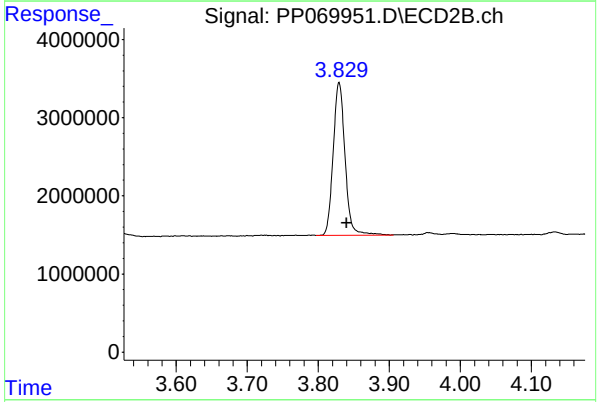
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 36714114
Conc: 25.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

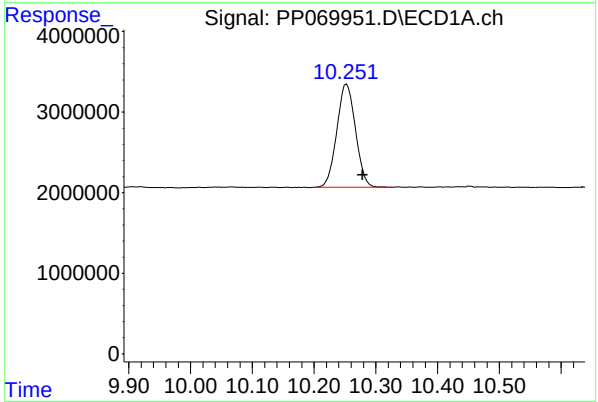
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



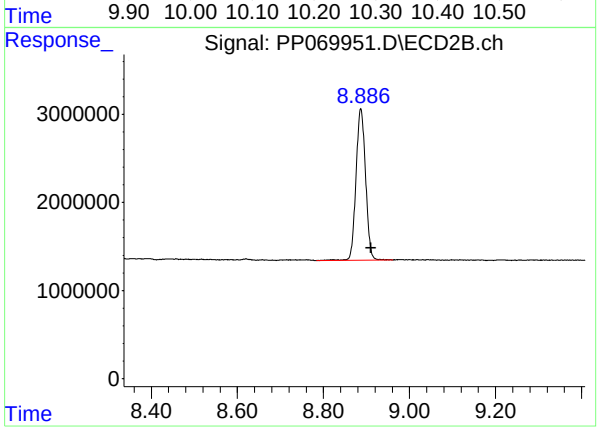
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 22723891
Conc: 25.46 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 26925500
Conc: 24.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.024 min
Response: 26589192
Conc: 23.77 ng/ml

Raw Data: **PP069838.D**

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

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB166770BS		SDG No.:	Q1382	
Lab Sample ID:	PB166770BS		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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069838.D	1	02/19/25 08:10	02/19/25 13:16	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	153		3.40	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	6.40	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	13.0	U	3.40	13.0	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	3.40	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	7.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	13.0	U	2.70	13.0	17.0	ug/kg
37324-23-5	Aroclor-1262	8.30	U	4.60	8.30	17.0	ug/kg
11100-14-4	Aroclor-1268	13.0	U	3.40	13.0	17.0	ug/kg
11096-82-5	Aroclor-1260	159		2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.5		44 - 130		128%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		60 - 125		123%	SPK: 20

Comments:

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

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

Sample Results: **PP069838.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 13:16
Operator : YP\AJ
Sample : PB166770BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166770BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 14:33:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	36538657	21654068	25.525m	24.261m
2)	SA Decachlor...	10.251	8.888	25677157	27509576	23.495	24.595
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.919	19834145	14602321	428.078m	447.718m
4)	L1 AR-1016-2	5.699	4.939	33255755	20501358	489.940	456.007
5)	L1 AR-1016-3	5.762	5.117	19910462	11676039	467.419	469.219
6)	L1 AR-1016-4	5.859	5.158	16712193	9177377	477.485	454.409
7)	L1 AR-1016-5	6.151	5.374	14346785	11875917	433.981m	442.736
31)	L7 AR-1260-1	7.271	6.412	26786127	24552088	458.382	509.068
32)	L7 AR-1260-2	7.525	6.599	34803565	31574098	447.272	515.044
33)	L7 AR-1260-3	7.884	6.753	24948350	27538132	399.051	457.775m
34)	L7 AR-1260-4	8.107	7.226	29032464	20621812	440.041m	443.788
35)	L7 AR-1260-5	8.429	7.467	53272391	51483230	406.890	463.207

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 13:16
Operator : YP\AJ
Sample : PB166770BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

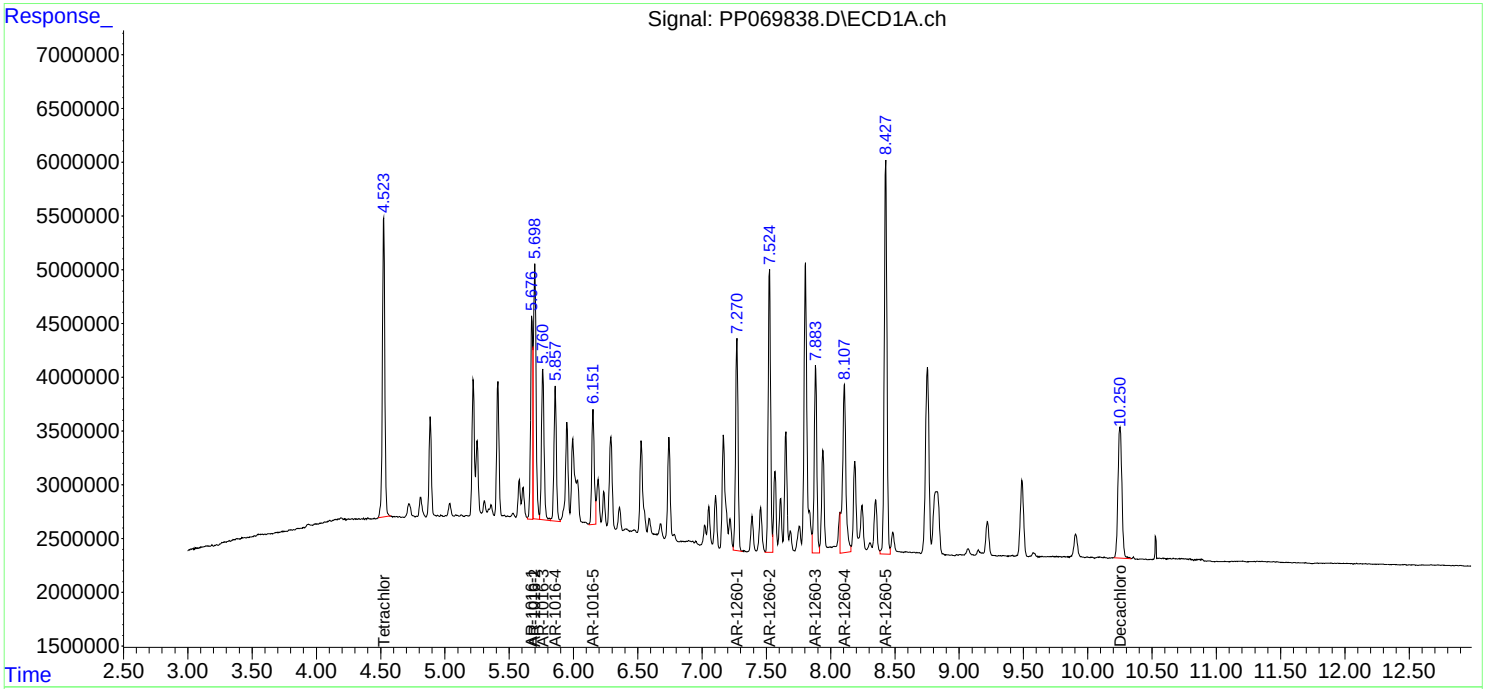
Instrument :
ECD_P
ClientSampleId :
PB166770BS

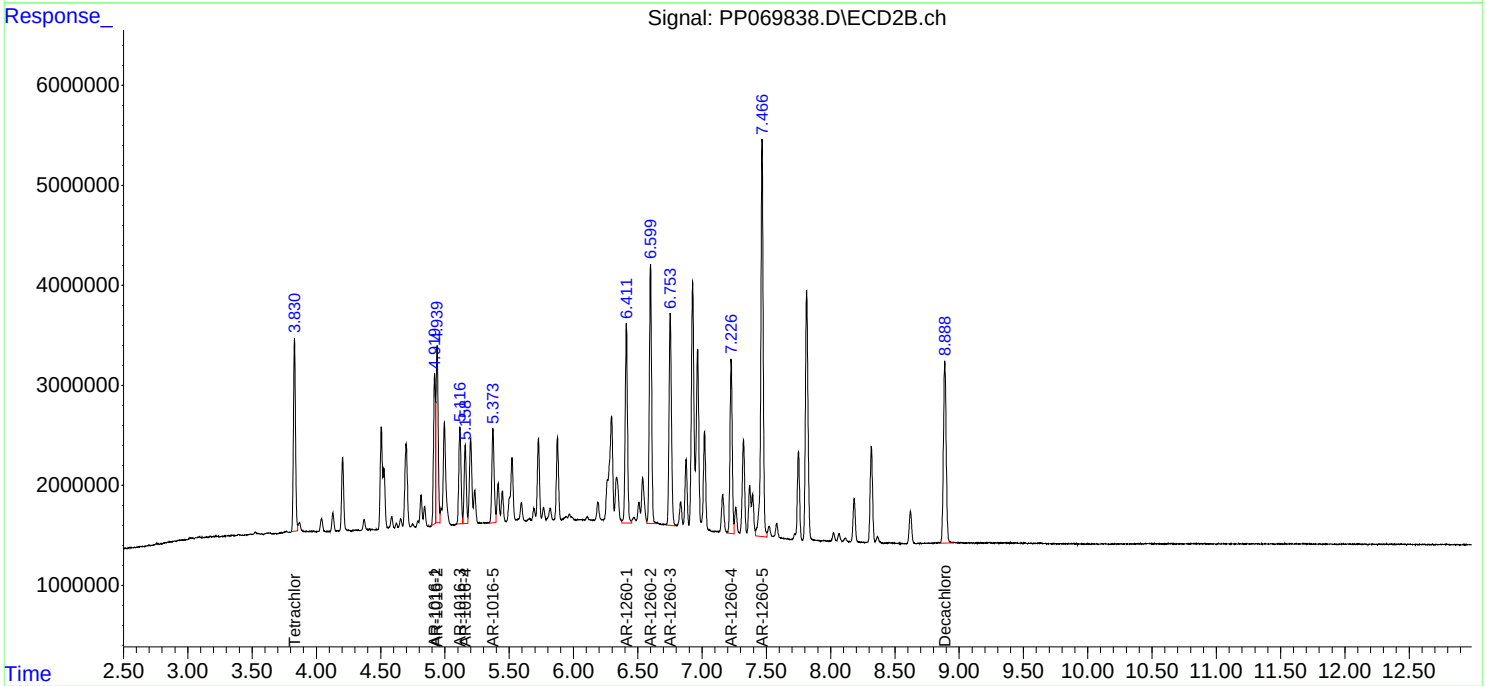
Manual Integrations APPROVED

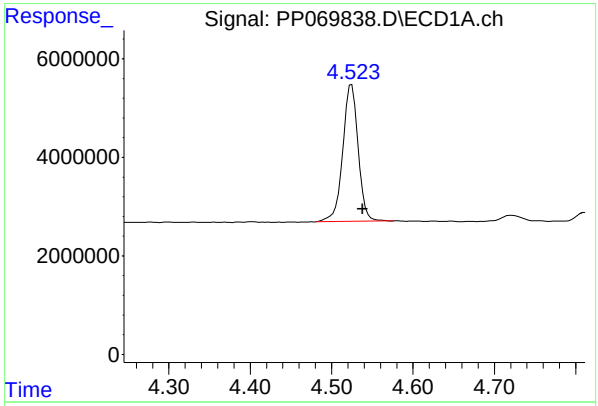
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 14:33:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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







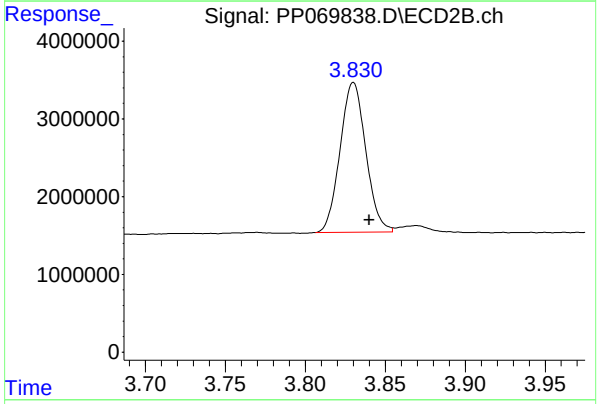
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 36538657
Conc: 25.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166770BS

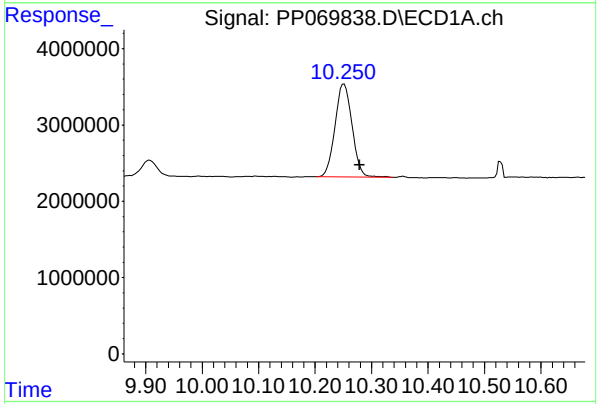
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



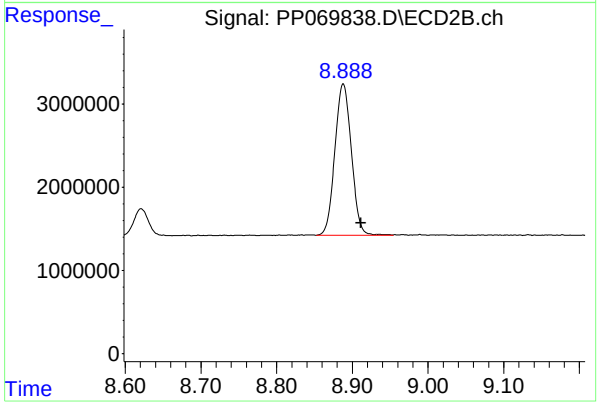
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 21654068
Conc: 24.26 ng/ml m



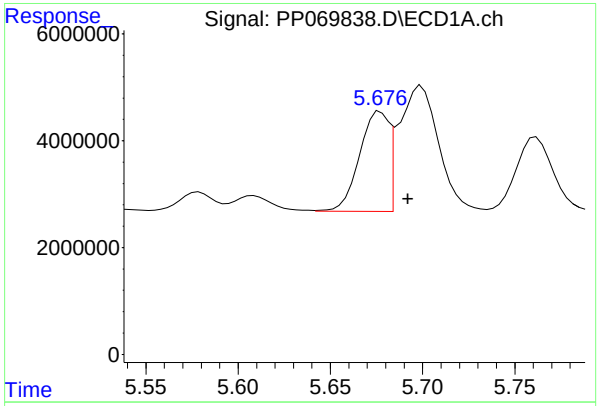
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.027 min
Response: 25677157
Conc: 23.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 27509576
Conc: 24.60 ng/ml



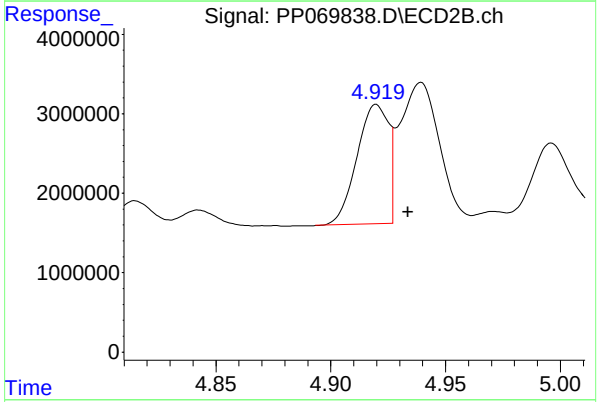
#3 AR-1016-1

R.T.: 5.676 min
Delta R.T.: -0.016 mi
Response: 19834145
Conc: 428.08 ng/m

Instrument :
ECD_P
ClientSampleId :
PB166770BS

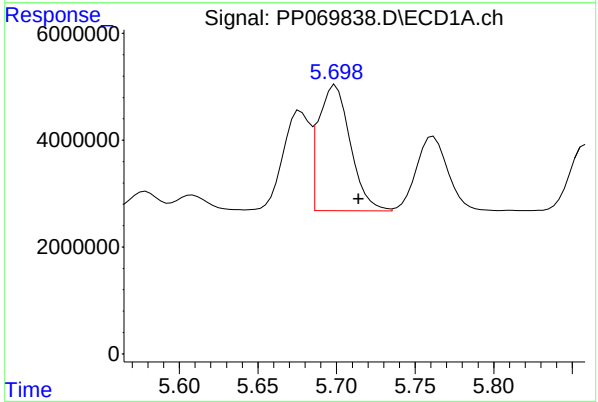
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



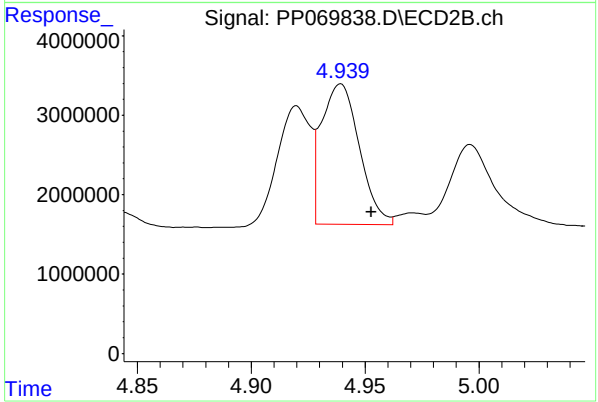
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: -0.014 min
Response: 14602321
Conc: 447.72 ng/ml m



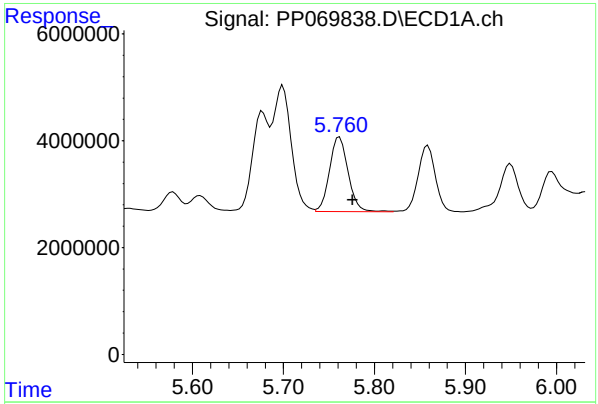
#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: -0.015 min
Response: 33255755
Conc: 489.94 ng/ml



#4 AR-1016-2

R.T.: 4.939 min
Delta R.T.: -0.014 min
Response: 20501358
Conc: 456.01 ng/ml



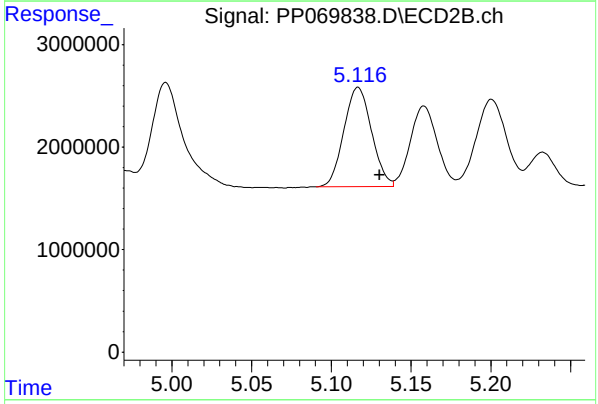
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: -0.014 mi
Response: 19910462
Conc: 467.42 ng/m

Instrument :
ECD_P
ClientSampleId :
PB166770BS

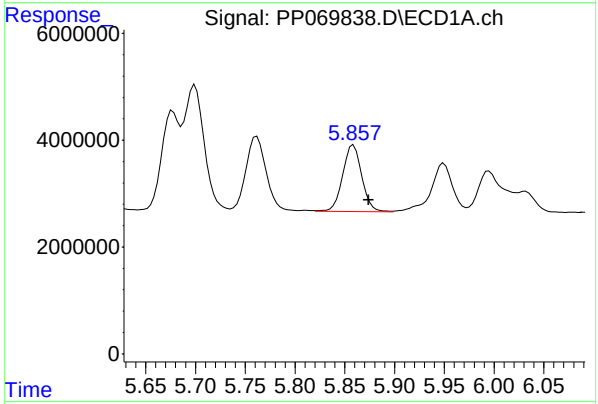
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



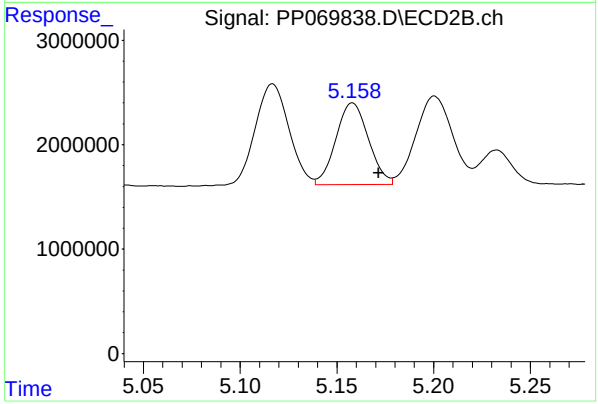
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: -0.014 min
Response: 11676039
Conc: 469.22 ng/ml



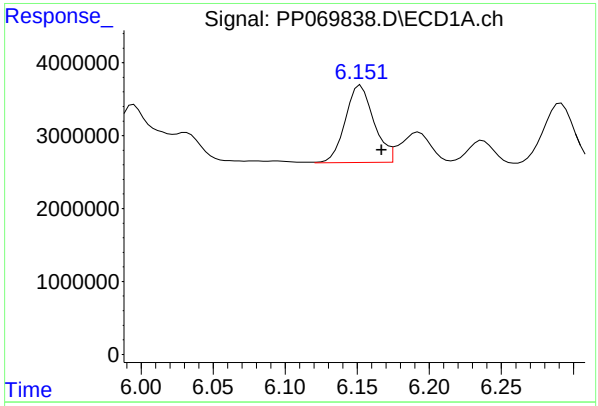
#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: -0.015 min
Response: 16712193
Conc: 477.48 ng/ml



#6 AR-1016-4

R.T.: 5.158 min
Delta R.T.: -0.014 min
Response: 9177377
Conc: 454.41 ng/ml



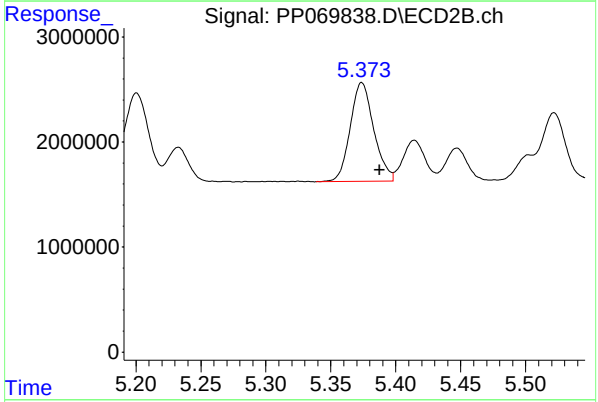
#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: -0.016 min
Response: 14346785
Conc: 433.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166770BS

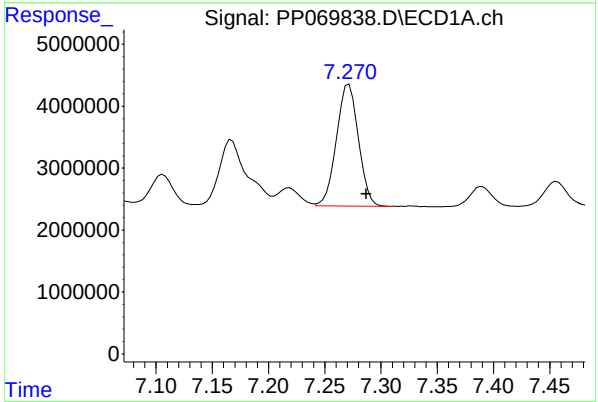
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



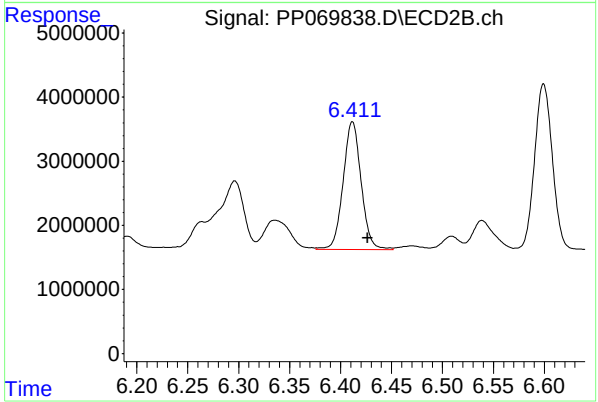
#7 AR-1016-5

R.T.: 5.374 min
Delta R.T.: -0.014 min
Response: 11875917
Conc: 442.74 ng/ml



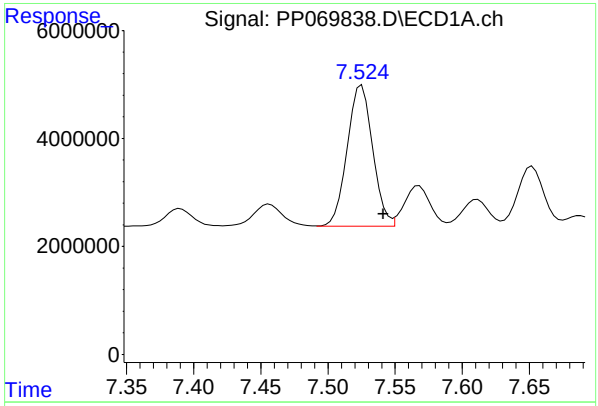
#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: -0.015 min
Response: 26786127
Conc: 458.38 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: -0.015 min
Response: 24552088
Conc: 509.07 ng/ml



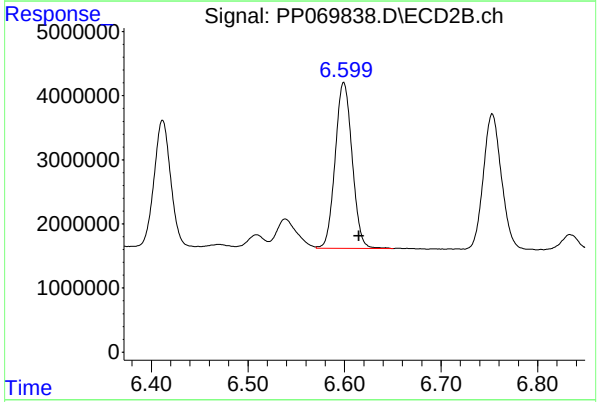
#32 AR-1260-2

R.T.: 7.525 min
Delta R.T.: -0.016 mi
Response: 34803565
Conc: 447.27 ng/m

Instrument :
ECD_P
ClientSampleId :
PB166770BS

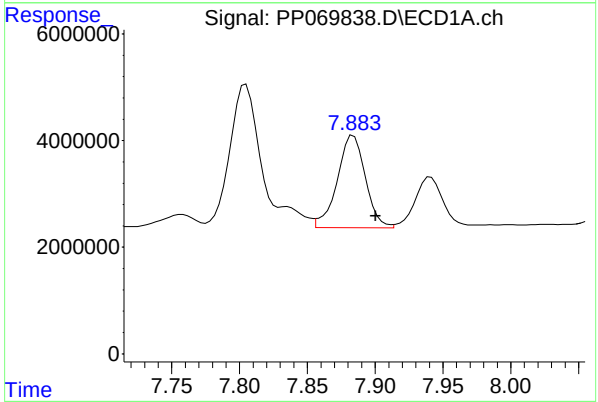
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



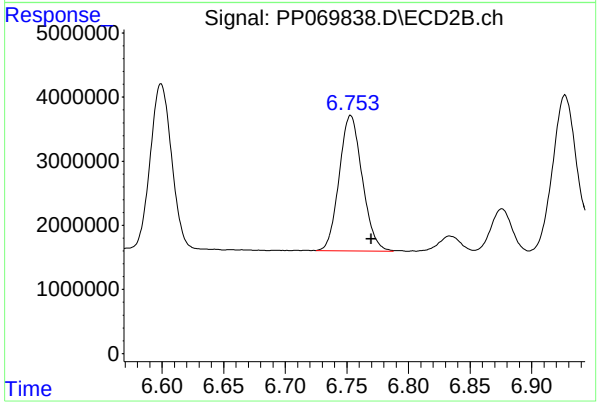
#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: -0.016 min
Response: 31574098
Conc: 515.04 ng/ml



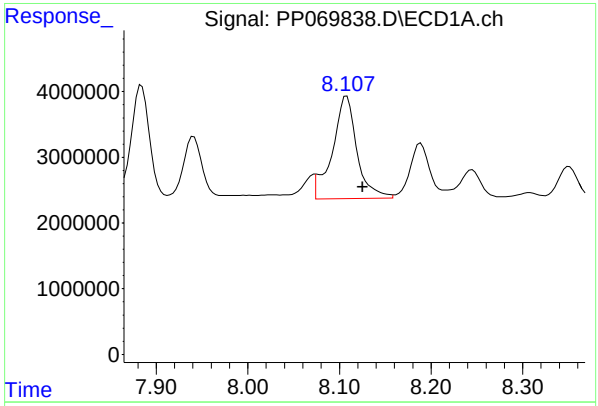
#33 AR-1260-3

R.T.: 7.884 min
Delta R.T.: -0.016 min
Response: 24948350
Conc: 399.05 ng/ml



#33 AR-1260-3

R.T.: 6.753 min
Delta R.T.: -0.017 min
Response: 27538132
Conc: 457.78 ng/ml m



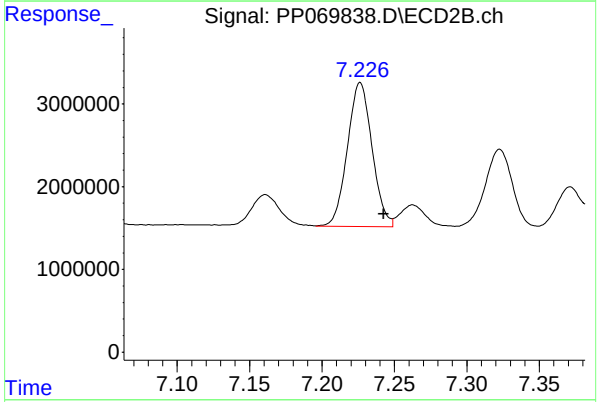
#34 AR-1260-4

R.T.: 8.107 min
Delta R.T.: -0.019 min
Response: 29032464
Conc: 440.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166770BS

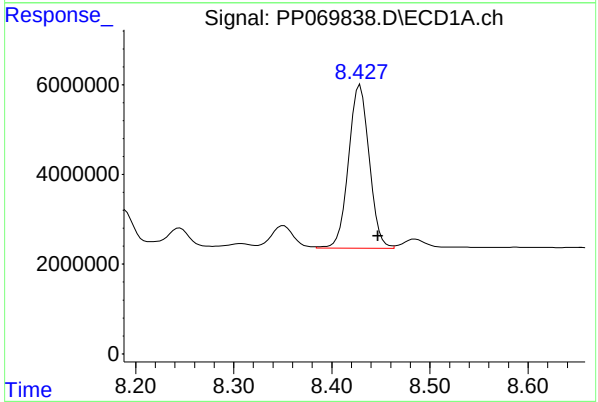
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



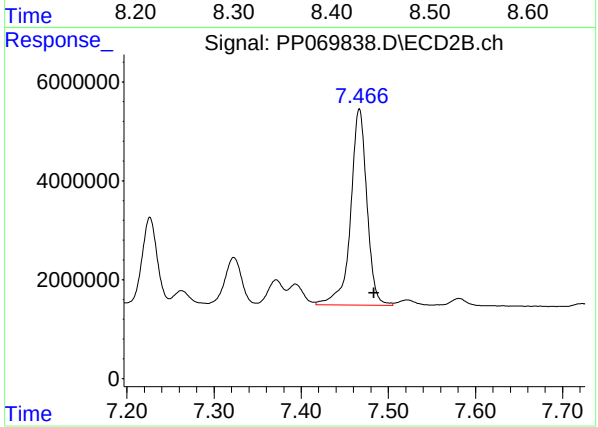
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: -0.016 min
Response: 20621812
Conc: 443.79 ng/ml



#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: -0.018 min
Response: 53272391
Conc: 406.89 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: -0.017 min
Response: 51483230
Conc: 463.21 ng/ml

Raw Data: **PP069926.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725MS	SDG No.:	Q1382
Lab Sample ID:	Q1382-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.9 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069926.D	1	02/19/25 08:10	02/20/25 19:29	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	164		3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	81.4		3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	149		3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.5		44 - 130		117%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		60 - 125		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

Sample Results: **PP069926.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:29
Operator : YP\AJ
Sample : Q1382-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:36:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	33629889	20288718	23.493m	22.731m
2)	SA Decachlor...	10.253	8.888	21547045	23047245	19.716	20.606
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.918	23217357	14786935	501.098m	453.378m
4)	L1 AR-1016-2	5.700	4.938	31031839	19428697	457.176	432.148m
5)	L1 AR-1016-3	5.762	5.115	18501299	10714317	434.337	430.571
6)	L1 AR-1016-4	5.859	5.157	16045459	8598289	458.436	425.736
7)	L1 AR-1016-5	6.151	5.373	13516005	10999445	408.851m	410.061
26)	L6 AR-1254-1	6.528	5.726	15292731	9532786	264.289	173.148 #
27)	L6 AR-1254-2	6.743	5.874	13545309	9349294	168.806	193.292
28)	L6 AR-1254-3	7.107	6.295	7175054	13176959	85.125	173.618m#
29)	L6 AR-1254-4	7.391	6.538	4665944	5848522	68.428	114.118 #
30)	L6 AR-1254-5	7.805	6.926	36478796	28516446	536.089	428.429
31)	L7 AR-1260-1	7.272	6.410	24628615	21297328	421.461	441.583
32)	L7 AR-1260-2	7.526	6.598	32176412	27340226	413.510	445.980
33)	L7 AR-1260-3	7.885	6.752	21891119	23647764	350.150	393.105m
34)	L7 AR-1260-4	8.107	7.225	24930859	17720548	377.873m	381.352
35)	L7 AR-1260-5	8.429	7.466	47460590	43506199	362.500	391.436

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:29
Operator : YP\AJ
Sample : Q1382-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

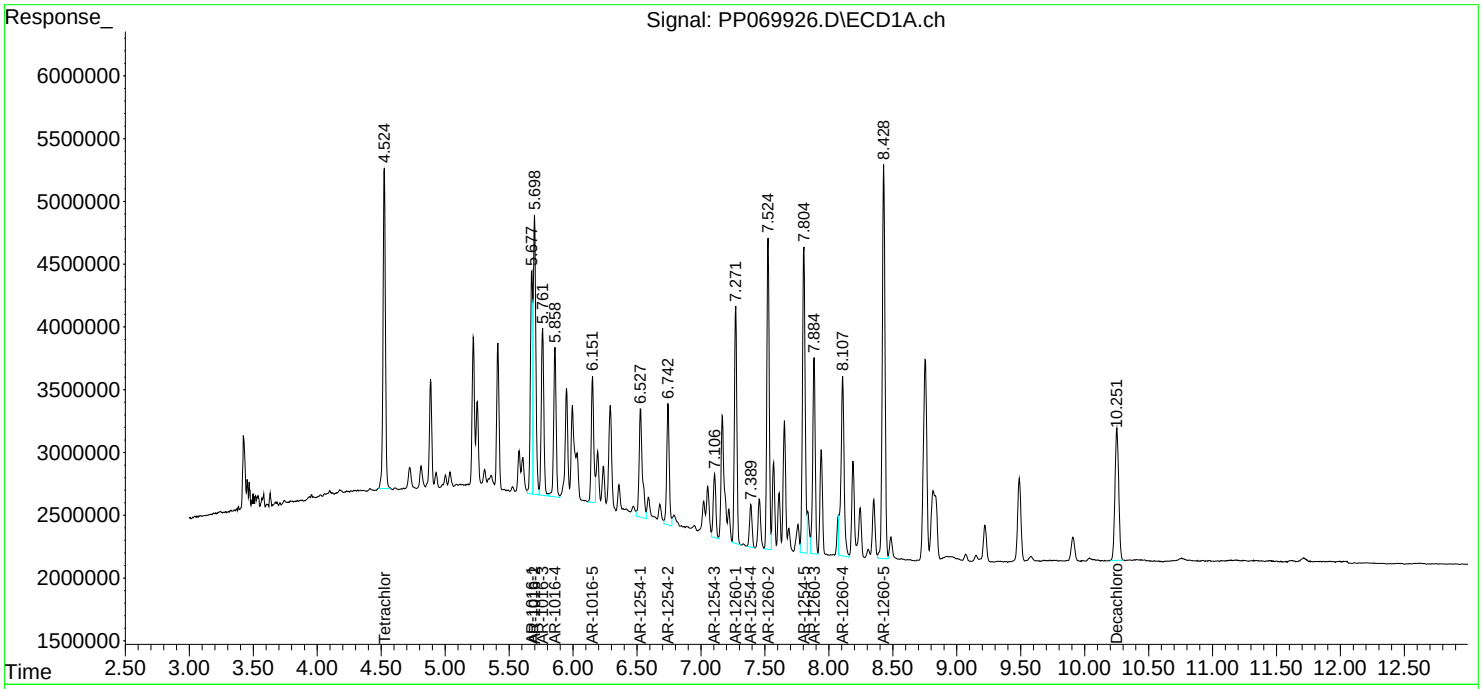
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

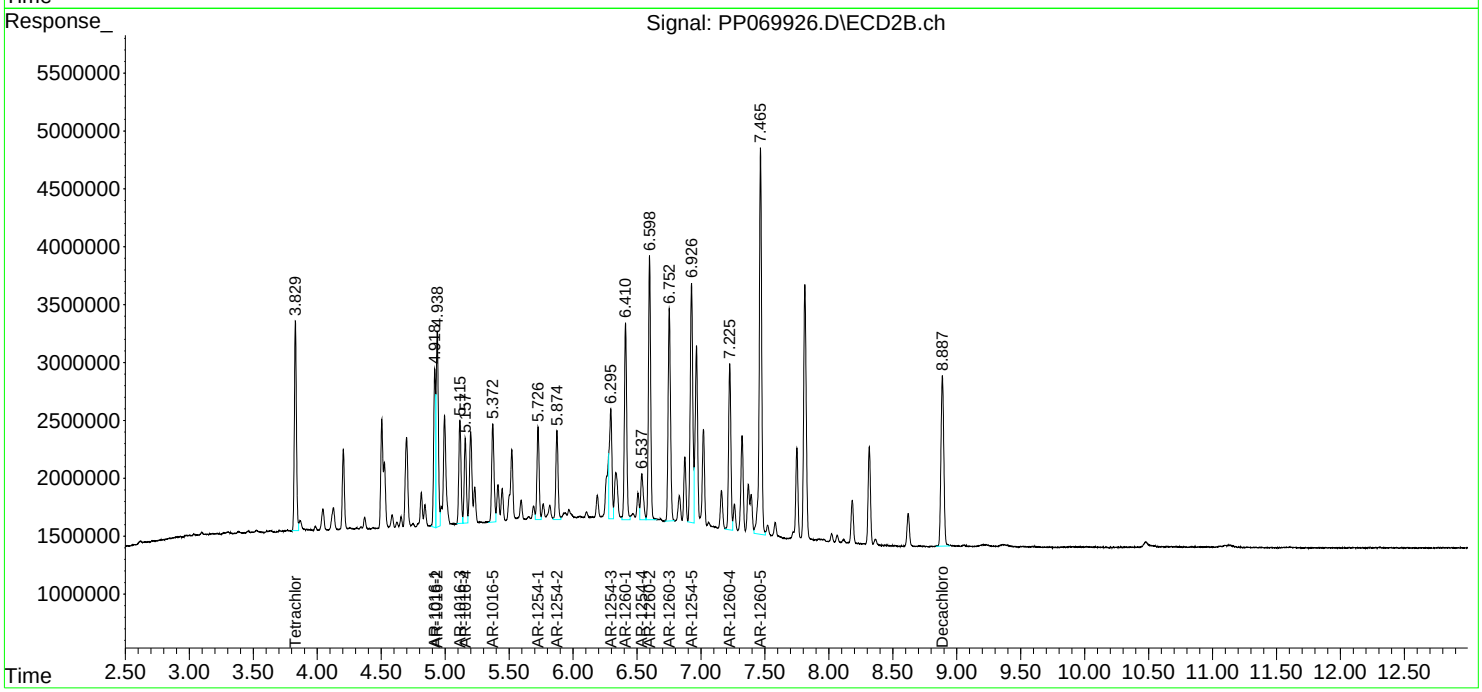
Manual Integrations APPROVED

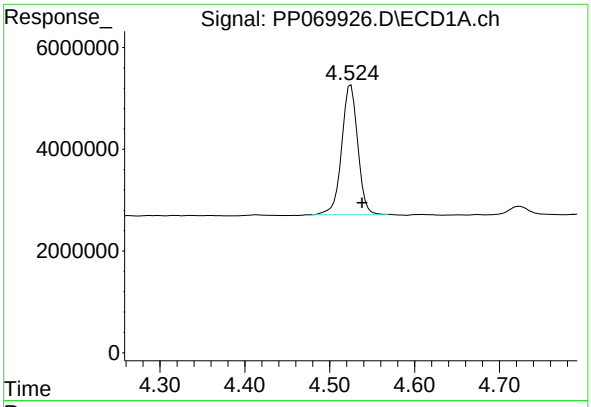
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:36:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-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.: -0.014 min
Response: 33629889
Conc: 23.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

Manual Integrations APPROVED

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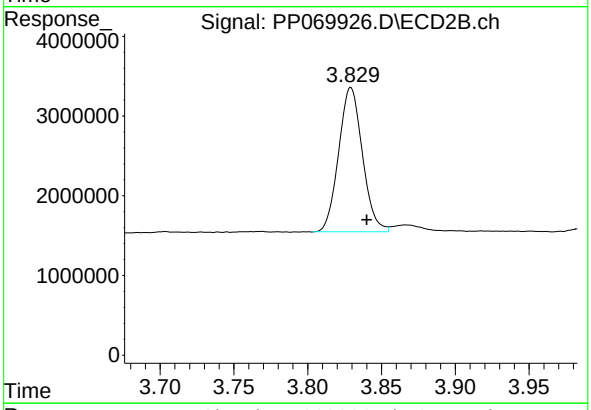
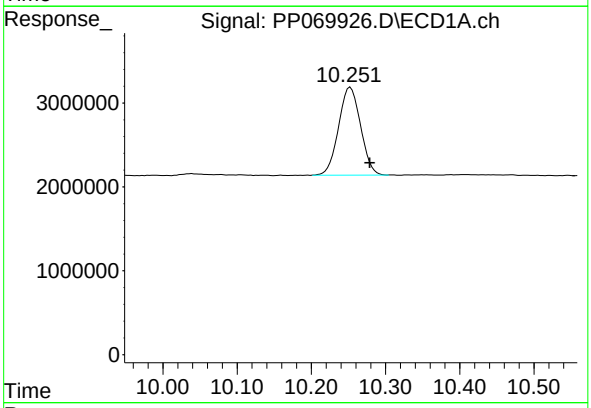


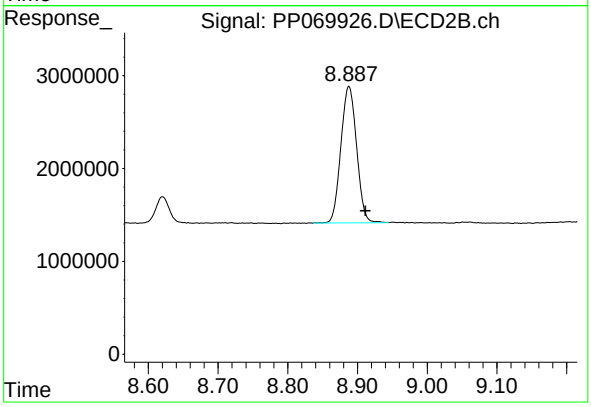
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 20288718
Conc: 22.73 ng/ml m



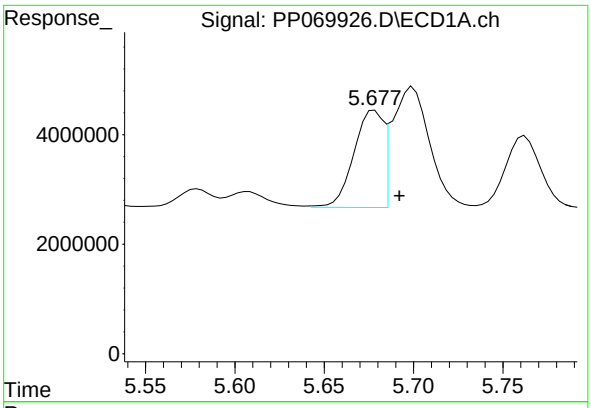
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 21547045
Conc: 19.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 23047245
Conc: 20.61 ng/ml



#3 AR-1016-1

R.T.: 5.677 min
Delta R.T.: -0.015 min
Response: 23217357
Conc: 501.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
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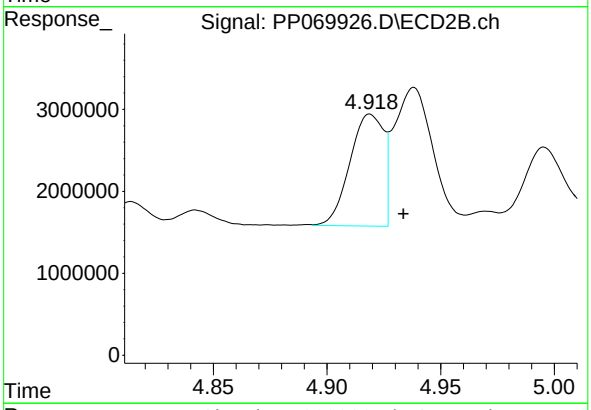
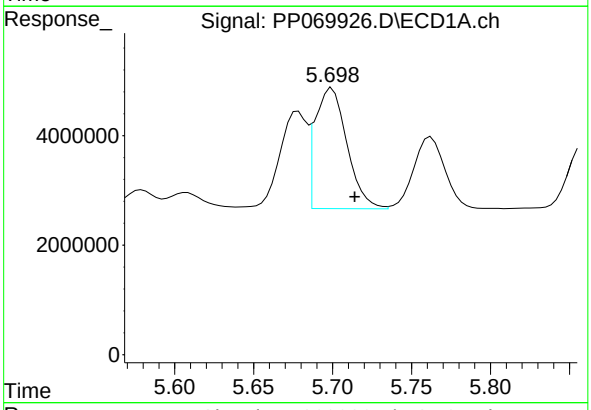


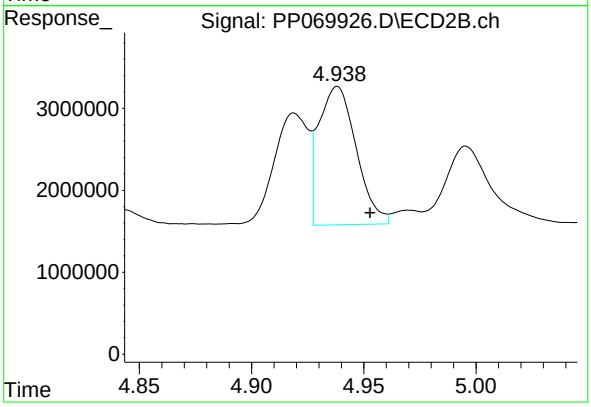
#3 AR-1016-1

R.T.: 4.918 min
Delta R.T.: -0.015 min
Response: 14786935
Conc: 453.38 ng/ml m



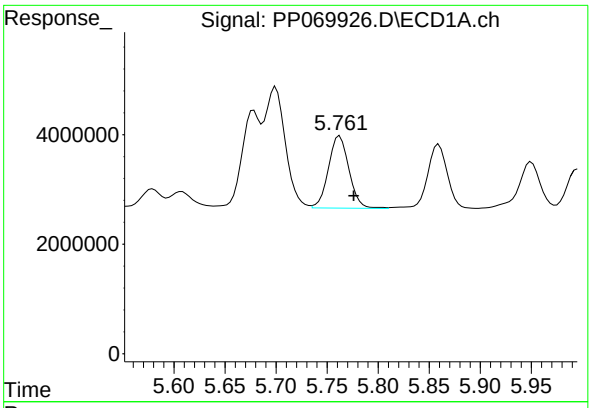
#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: -0.014 min
Response: 31031839
Conc: 457.18 ng/ml



#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: -0.015 min
Response: 19428697
Conc: 432.15 ng/ml m



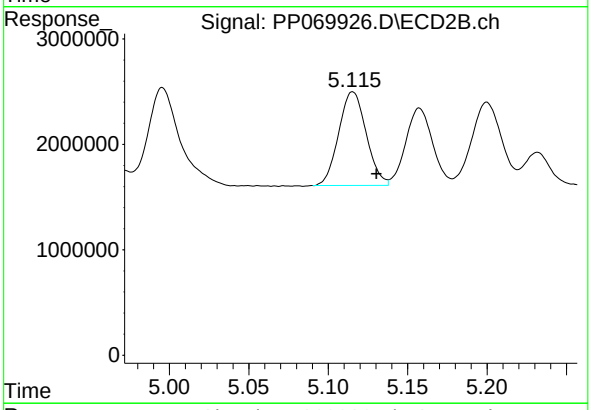
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: -0.014 min
Response: 18501299
Conc: 434.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

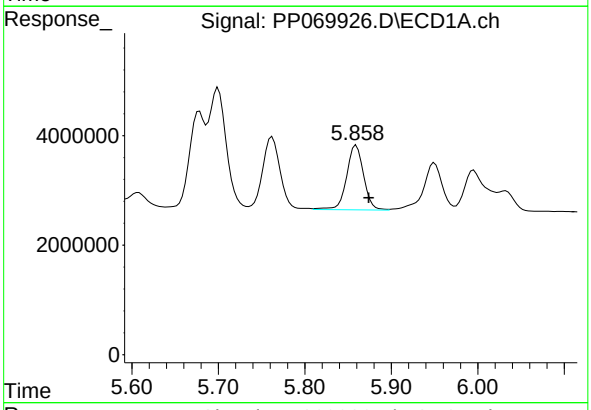
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



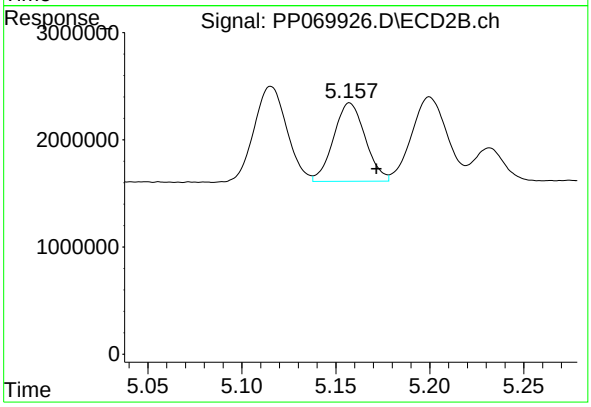
#5 AR-1016-3

R.T.: 5.115 min
Delta R.T.: -0.015 min
Response: 10714317
Conc: 430.57 ng/ml



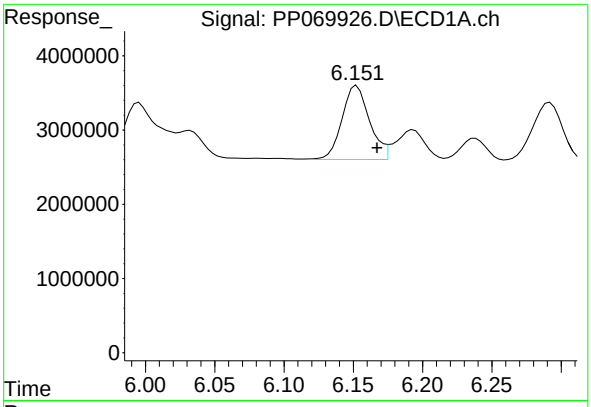
#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: -0.015 min
Response: 16045459
Conc: 458.44 ng/ml



#6 AR-1016-4

R.T.: 5.157 min
Delta R.T.: -0.014 min
Response: 8598289
Conc: 425.74 ng/ml



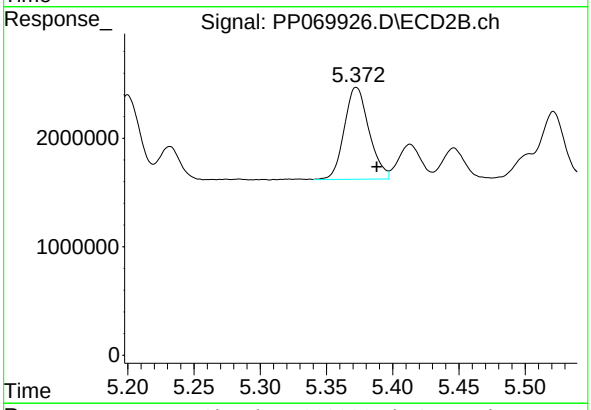
#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: -0.016 min
Response: 13516005
Conc: 408.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

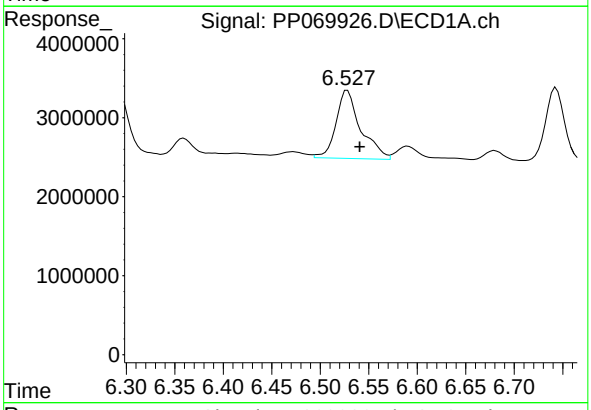
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



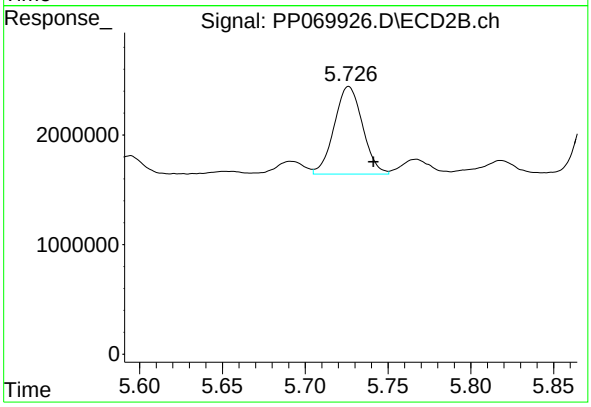
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: -0.015 min
Response: 10999445
Conc: 410.06 ng/ml



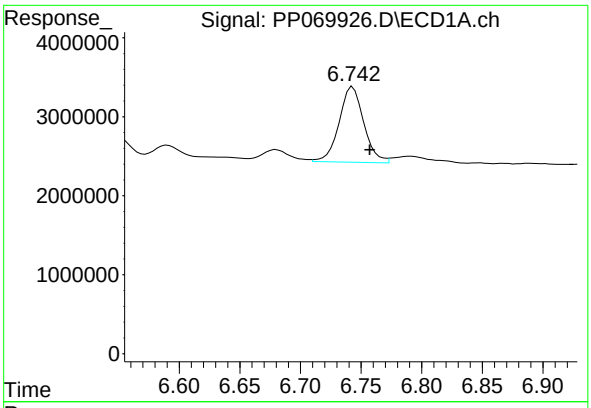
#26 AR-1254-1

R.T.: 6.528 min
Delta R.T.: -0.013 min
Response: 15292731
Conc: 264.29 ng/ml



#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.015 min
Response: 9532786
Conc: 173.15 ng/ml



#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.014 min
Response: 13545309
Conc: 168.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

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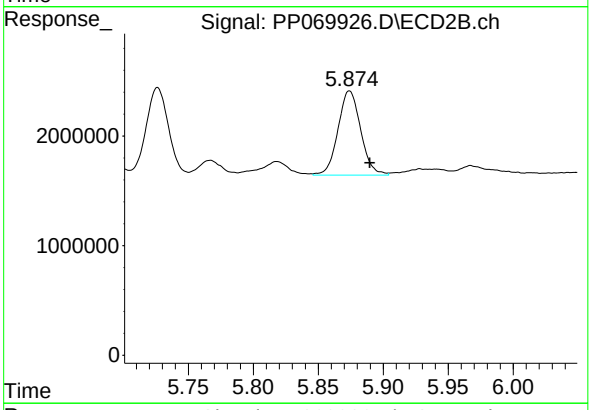
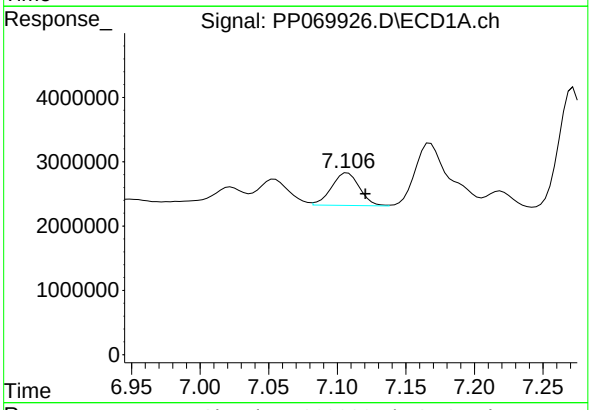
Supervised By :Ankita Jodhani 02/21/2025



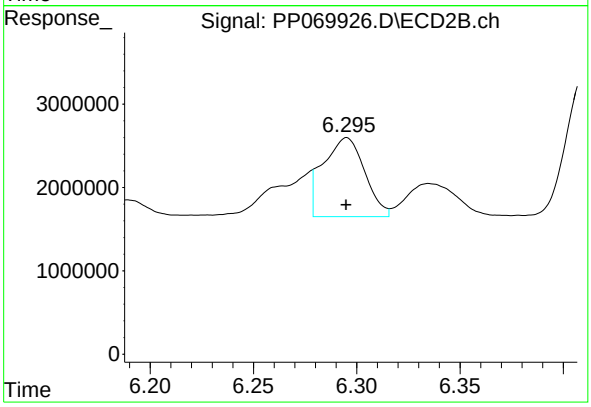
#27 AR-1254-2

R.T.: 5.874 min
Delta R.T.: -0.016 min
Response: 9349294
Conc: 193.29 ng/ml



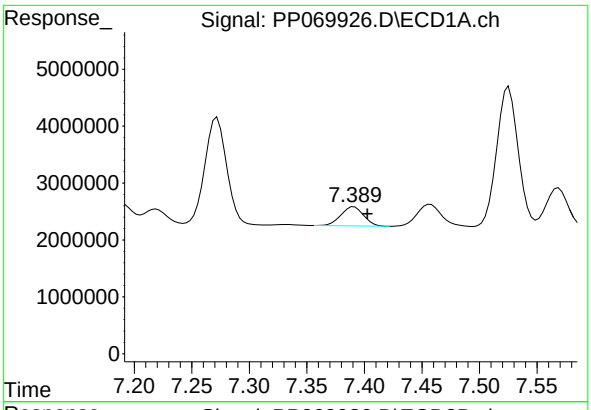
#28 AR-1254-3

R.T.: 7.107 min
Delta R.T.: -0.013 min
Response: 7175054
Conc: 85.13 ng/ml



#28 AR-1254-3

R.T.: 6.295 min
Delta R.T.: 0.000 min
Response: 13176959
Conc: 173.62 ng/ml m



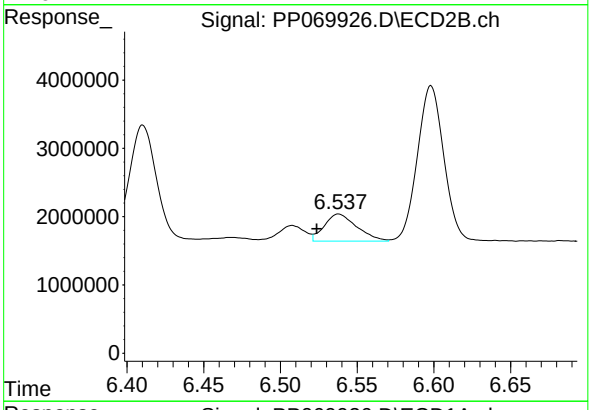
#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: -0.012 min
Response: 4665944
Conc: 68.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

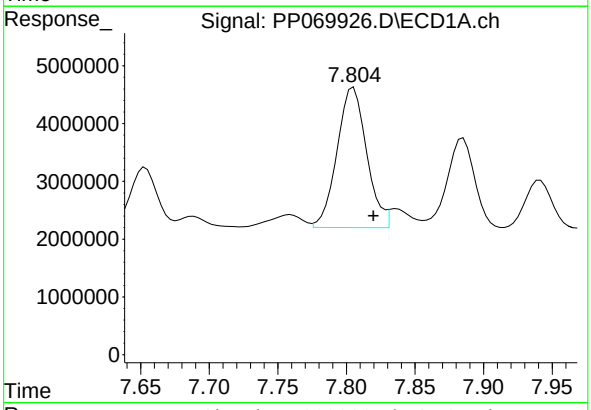
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



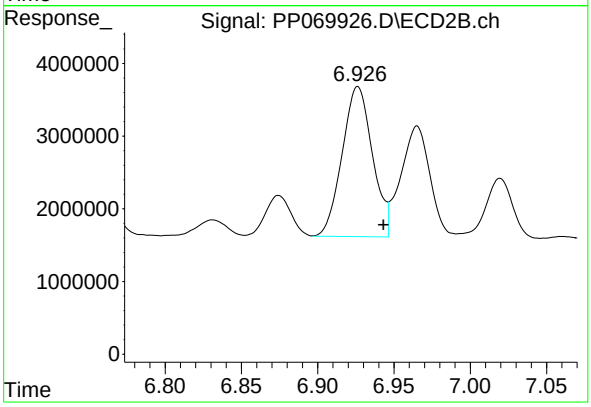
#29 AR-1254-4

R.T.: 6.538 min
Delta R.T.: 0.014 min
Response: 5848522
Conc: 114.12 ng/ml



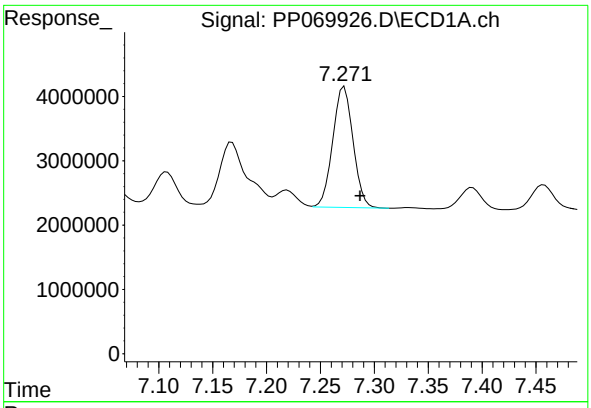
#30 AR-1254-5

R.T.: 7.805 min
Delta R.T.: -0.014 min
Response: 36478796
Conc: 536.09 ng/ml



#30 AR-1254-5

R.T.: 6.926 min
Delta R.T.: -0.017 min
Response: 28516446
Conc: 428.43 ng/ml



#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: -0.015 min
Response: 24628615
Conc: 421.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

Manual Integrations APPROVED

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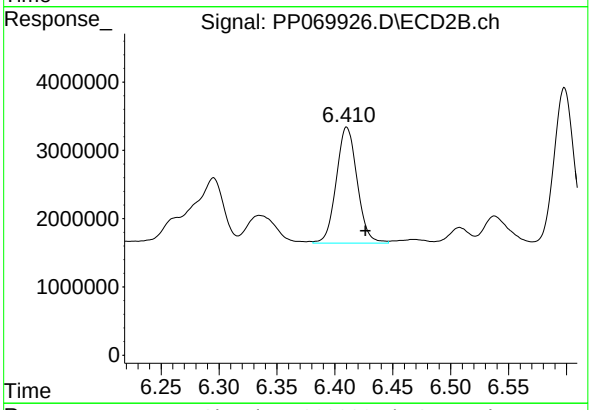
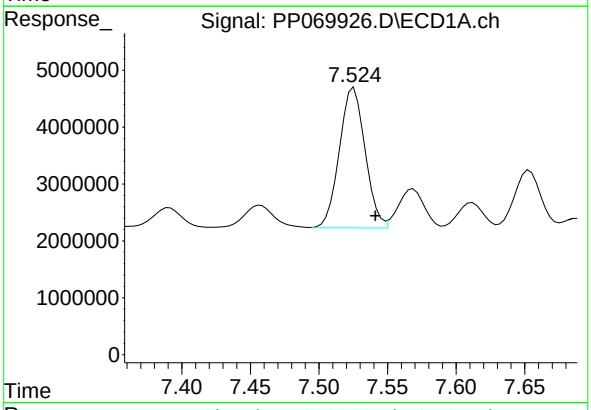
Supervised By :Ankita Jodhani 02/21/2025



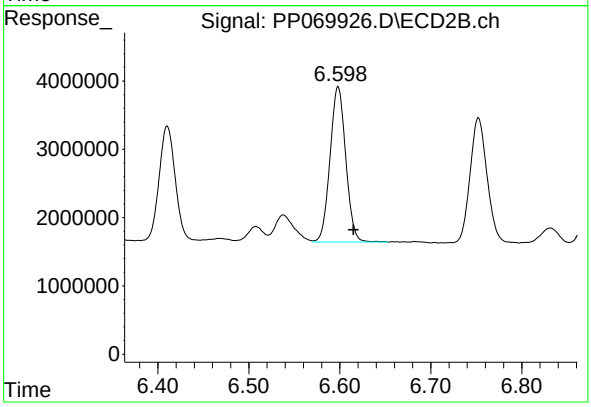
#31 AR-1260-1

R.T.: 6.410 min
Delta R.T.: -0.016 min
Response: 21297328
Conc: 441.58 ng/ml



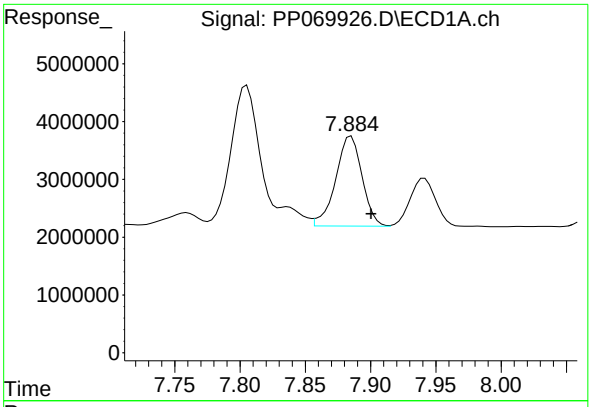
#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: -0.016 min
Response: 32176412
Conc: 413.51 ng/ml



#32 AR-1260-2

R.T.: 6.598 min
Delta R.T.: -0.017 min
Response: 27340226
Conc: 445.98 ng/ml



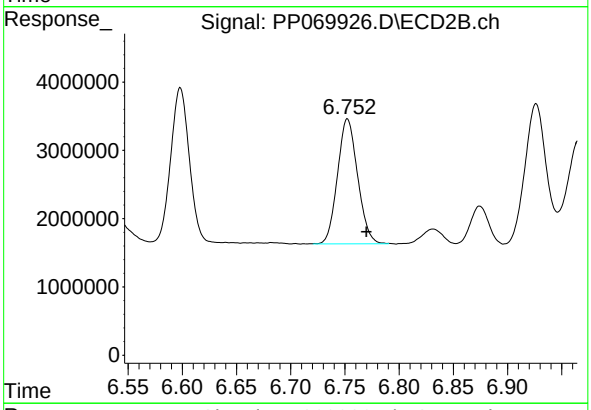
#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: -0.015 min
Response: 21891119
Conc: 350.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

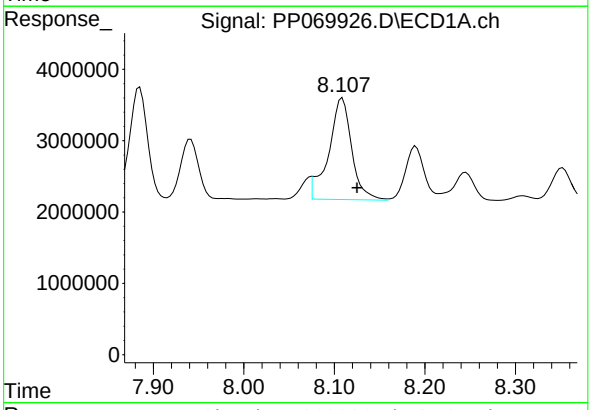
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



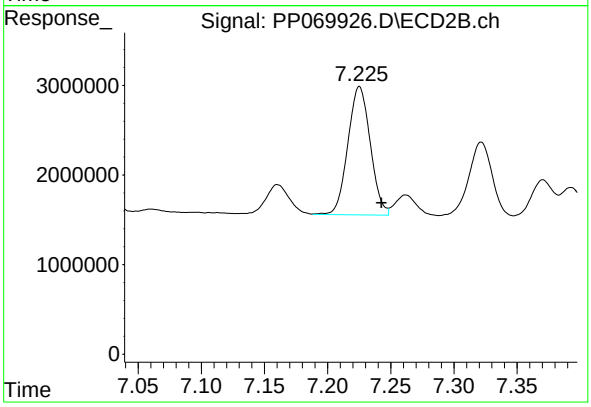
#33 AR-1260-3

R.T.: 6.752 min
Delta R.T.: -0.018 min
Response: 23647764
Conc: 393.10 ng/ml m



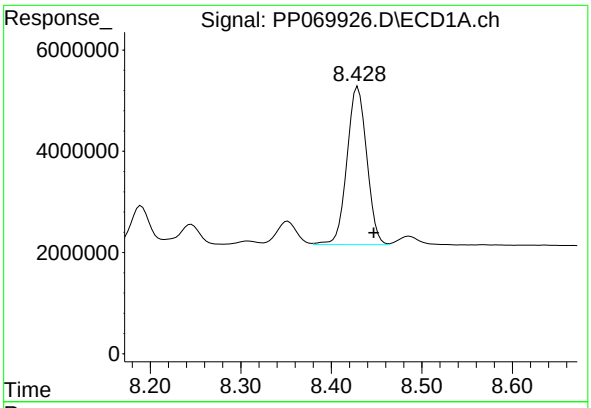
#34 AR-1260-4

R.T.: 8.107 min
Delta R.T.: -0.018 min
Response: 24930859
Conc: 377.87 ng/ml m



#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: -0.017 min
Response: 17720548
Conc: 381.35 ng/ml



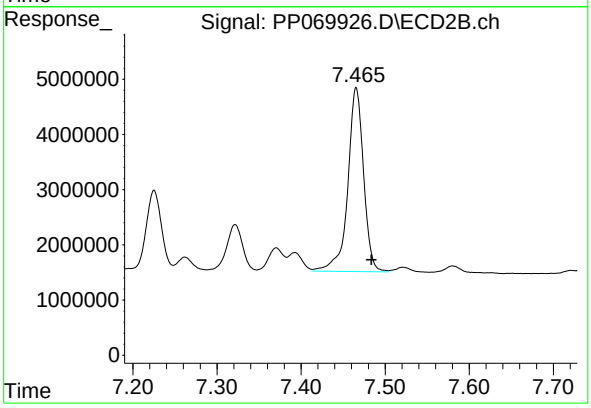
#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: -0.017 min
Response: 47460590
Conc: 362.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: -0.018 min
Response: 43506199
Conc: 391.44 ng/ml

Raw Data: **PP069927.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725MSD	SDG No.:	Q1382
Lab Sample ID:	Q1382-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.9 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069927.D	1	02/19/25 08:10	02/20/25 19:46	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	174		3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	78.1		3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	149		3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.4		44 - 130		122%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		60 - 125		101%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:46
Operator : YP\AJ
Sample : Q1382-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:38:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.830	34924768	20845328	24.398m	23.355m
2)	SA Decachlor...	10.251	8.889	21981994	22476473	20.113	20.095
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.920	25694394	14110000	554.559m	432.623m
4)	L1 AR-1016-2	5.698	4.938	31864648	19566950	469.446	435.223m
5)	L1 AR-1016-3	5.761	5.116	19321920	10932269	453.602	439.330
6)	L1 AR-1016-4	5.858	5.158	17118159	8812914	489.084	436.363
7)	L1 AR-1016-5	6.150	5.373	14315948	11187609	433.048m	417.076
26)	L6 AR-1254-1	6.525	5.727	12253522	9600001	211.765m	174.369
27)	L6 AR-1254-2	6.742	5.875	12975448	9703511	161.704	200.615
28)	L6 AR-1254-3	7.106	6.296	7428042	13141341	88.126	173.149m#
29)	L6 AR-1254-4	7.389	6.509	5109038	2812878	74.926	54.886 #
30)	L6 AR-1254-5	7.803	6.927	36927611	28699914	542.685m	431.186
31)	L7 AR-1260-1	7.271	6.412	26227603	21834754	448.824	452.726
32)	L7 AR-1260-2	7.524	6.599	32832842	26848926	421.946	437.966
33)	L7 AR-1260-3	7.883	6.753	22173479	23796308	354.666	395.574m
34)	L7 AR-1260-4	8.106	7.227	24878430	17612644	377.079m	379.030
35)	L7 AR-1260-5	8.428	7.467	48329219	44103270	369.134	396.808

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022025\
Data File : PP069927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:46
Operator : YP\AJ
Sample : Q1382-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
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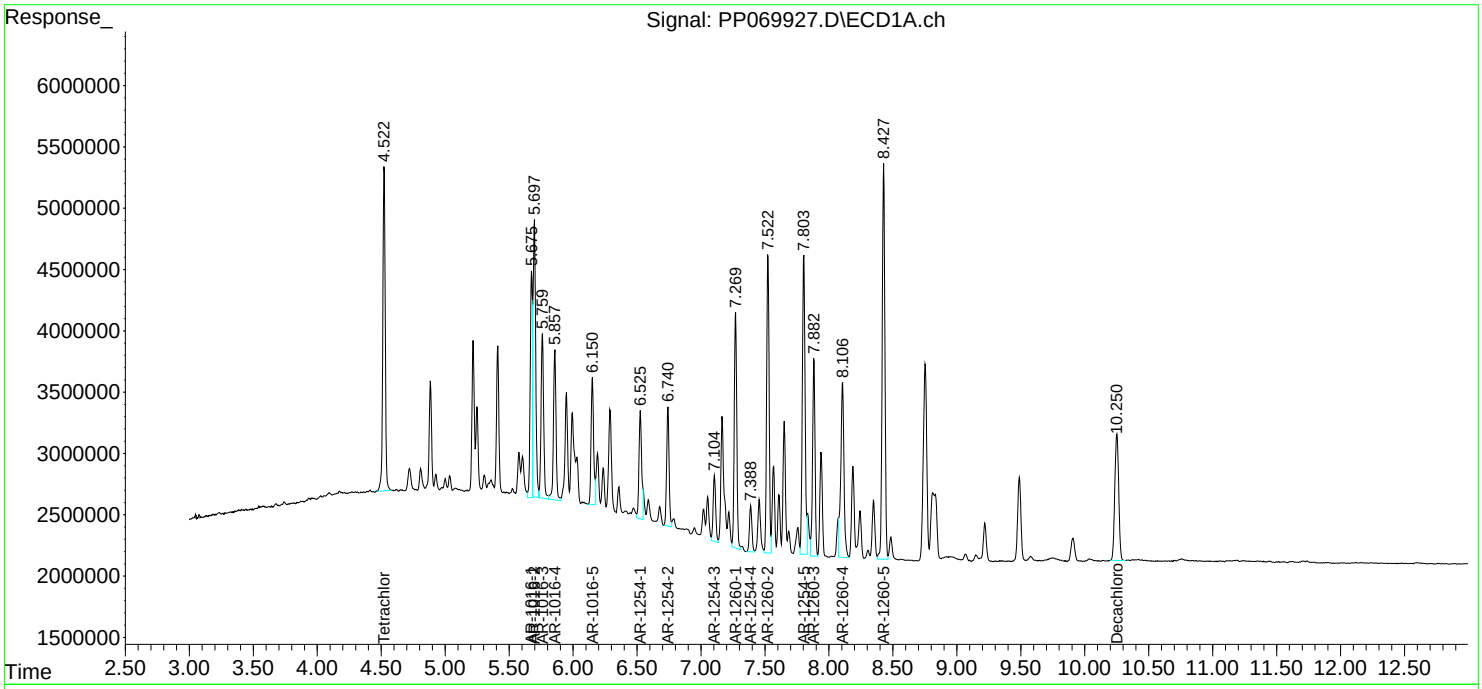
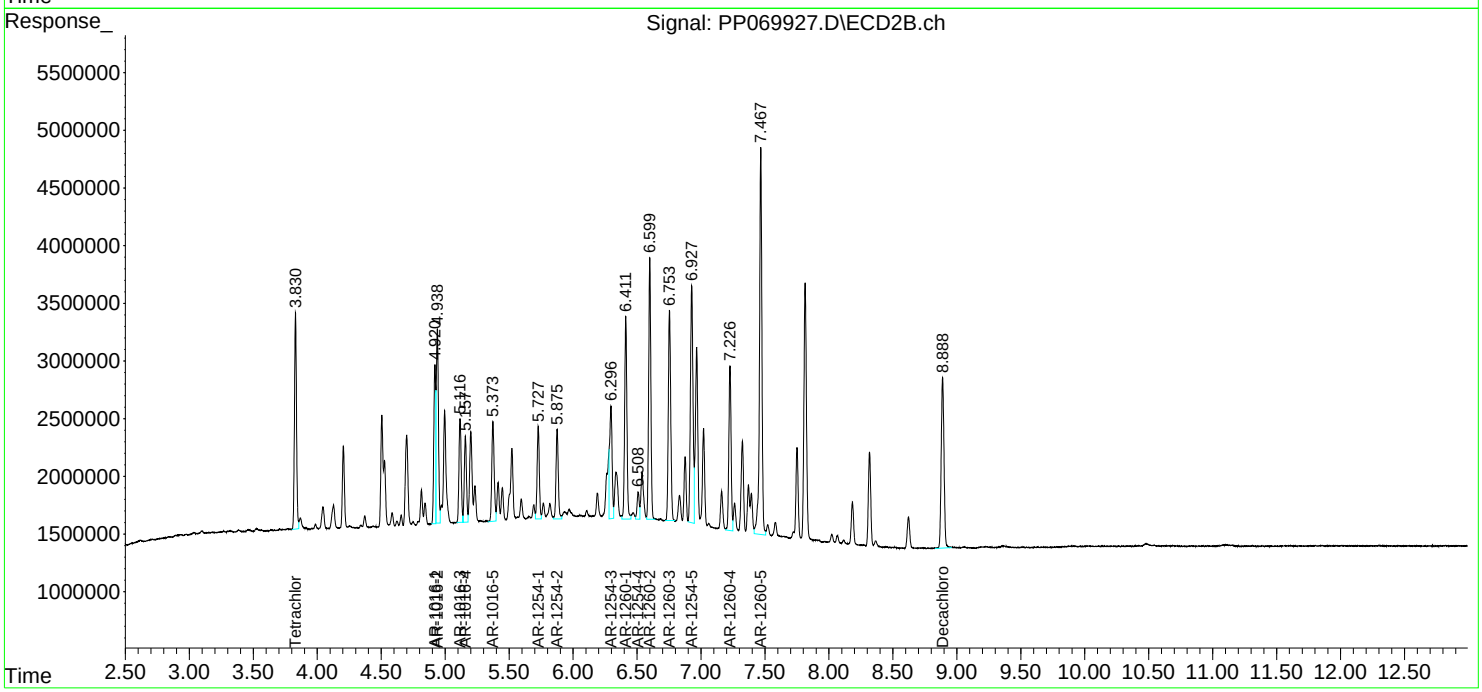
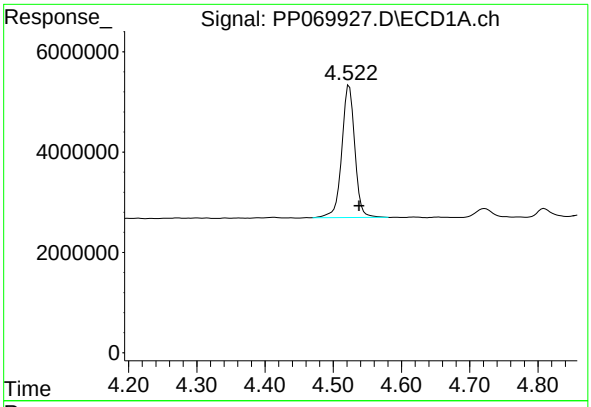
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:38:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-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.: -0.016 min
Response: 34924768
Conc: 24.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
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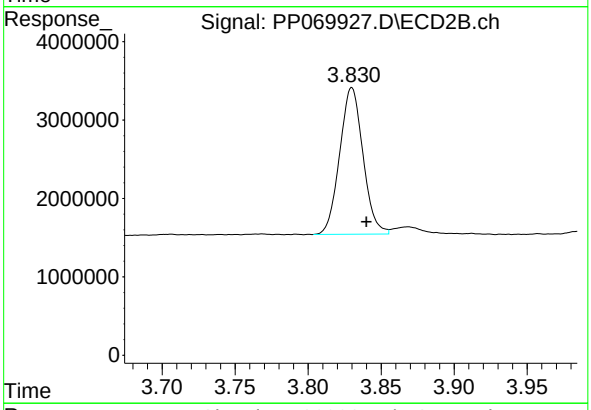
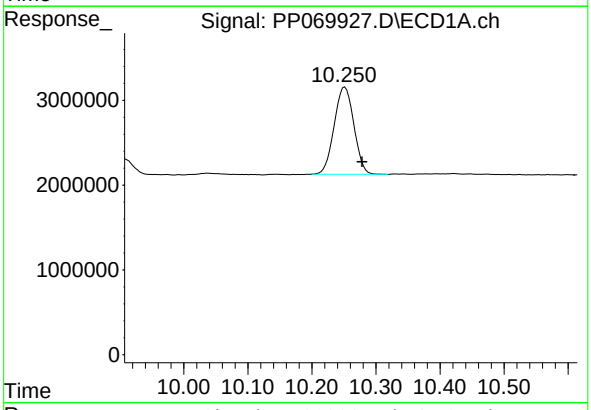


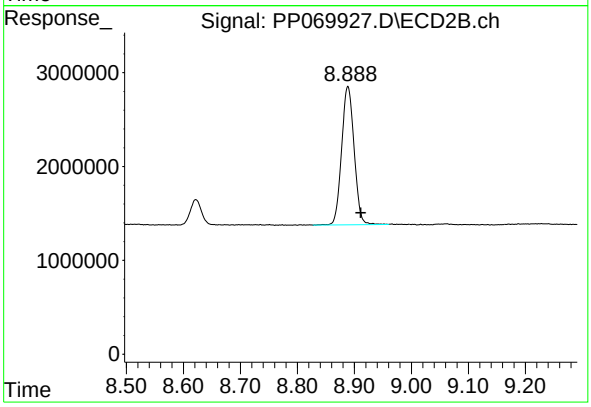
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 20845328
Conc: 23.36 ng/ml m



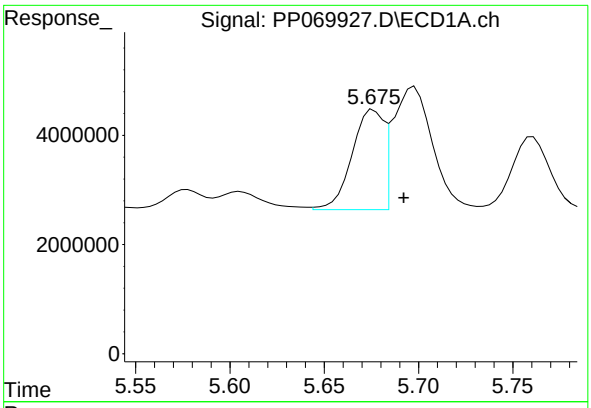
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.027 min
Response: 21981994
Conc: 20.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 22476473
Conc: 20.10 ng/ml



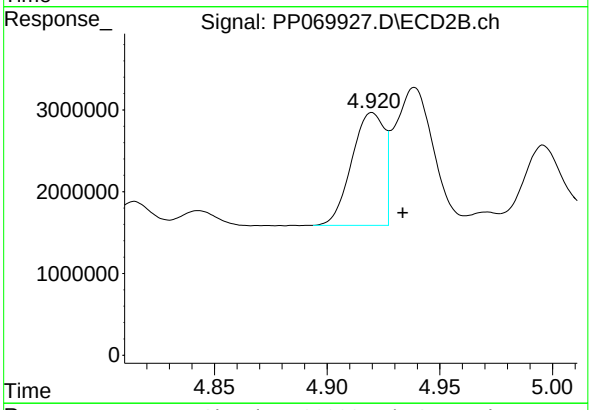
#3 AR-1016-1

R.T.: 5.675 min
Delta R.T.: -0.017 min
Response: 25694394
Conc: 554.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

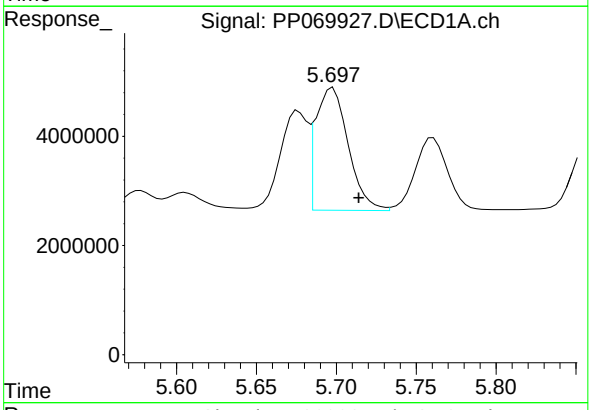
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



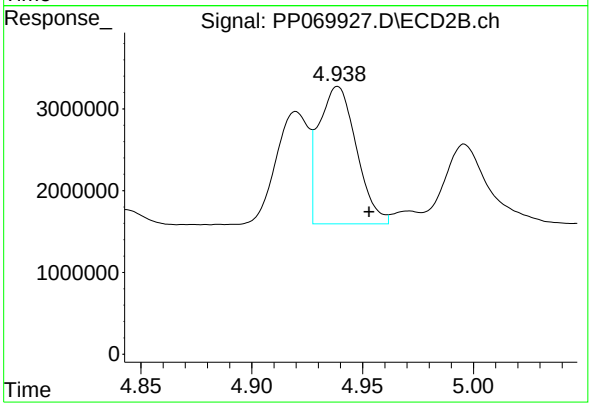
#3 AR-1016-1

R.T.: 4.920 min
Delta R.T.: -0.014 min
Response: 14110000
Conc: 432.62 ng/ml m



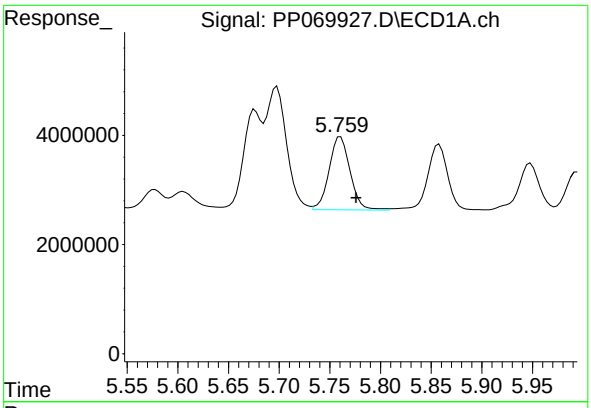
#4 AR-1016-2

R.T.: 5.698 min
Delta R.T.: -0.016 min
Response: 31864648
Conc: 469.45 ng/ml



#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: -0.014 min
Response: 19566950
Conc: 435.22 ng/ml m



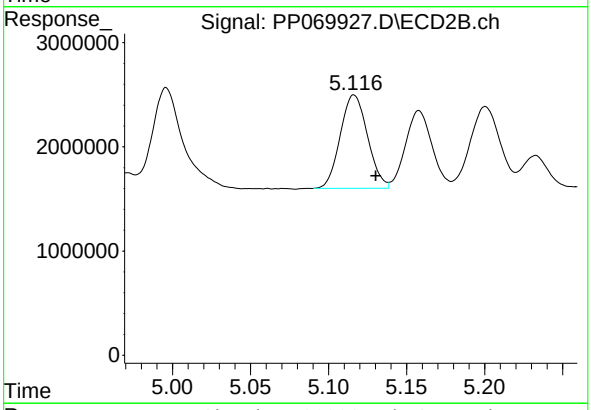
#5 AR-1016-3

R.T.: 5.761 min
Delta R.T.: -0.015 min
Response: 19321920
Conc: 453.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

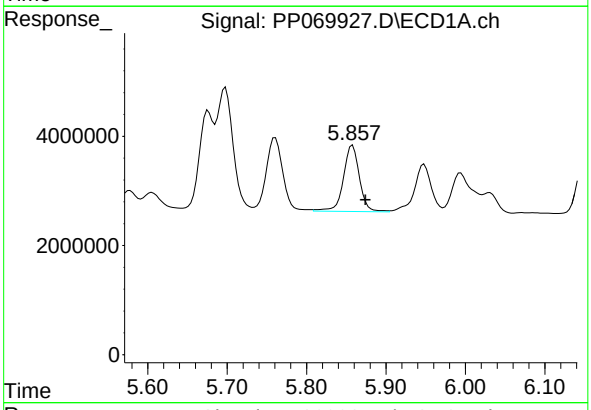
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



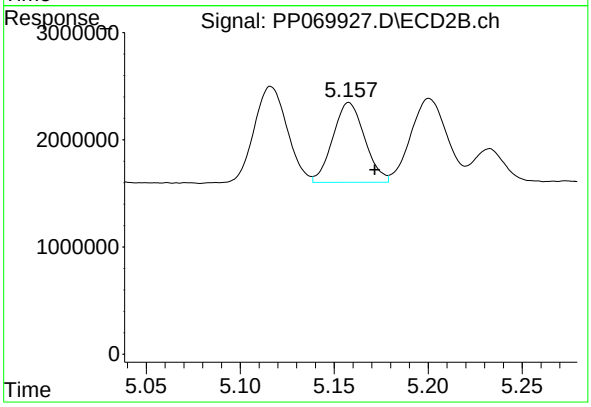
#5 AR-1016-3

R.T.: 5.116 min
Delta R.T.: -0.014 min
Response: 10932269
Conc: 439.33 ng/ml



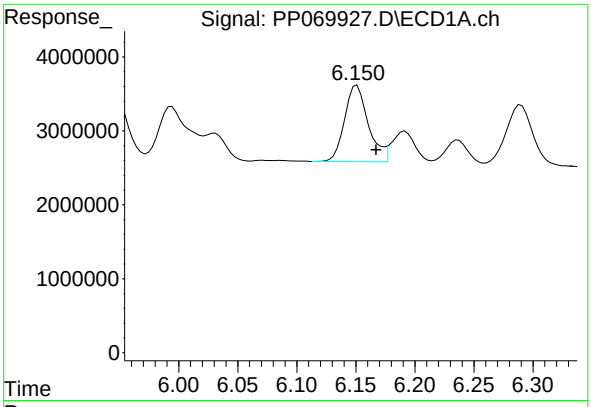
#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: -0.016 min
Response: 17118159
Conc: 489.08 ng/ml



#6 AR-1016-4

R.T.: 5.158 min
Delta R.T.: -0.014 min
Response: 8812914
Conc: 436.36 ng/ml



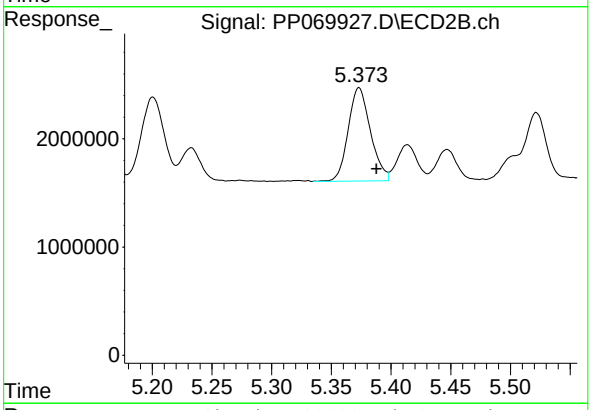
#7 AR-1016-5

R.T.: 6.150 min
Delta R.T.: -0.017 min
Response: 14315948
Conc: 433.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

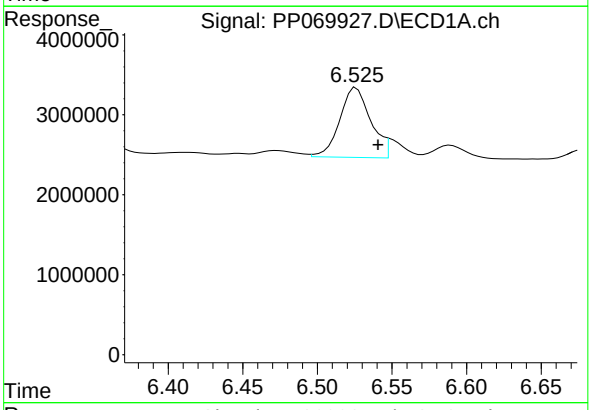
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



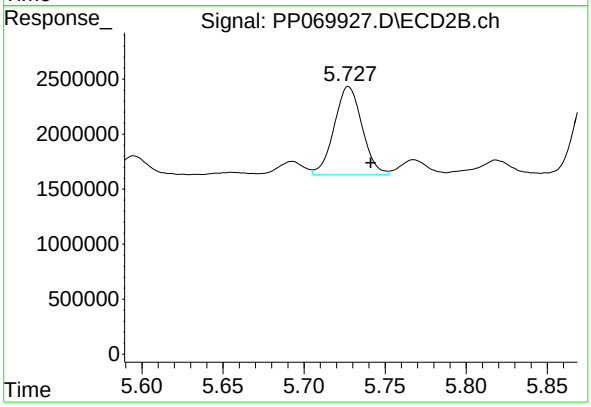
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: -0.015 min
Response: 11187609
Conc: 417.08 ng/ml



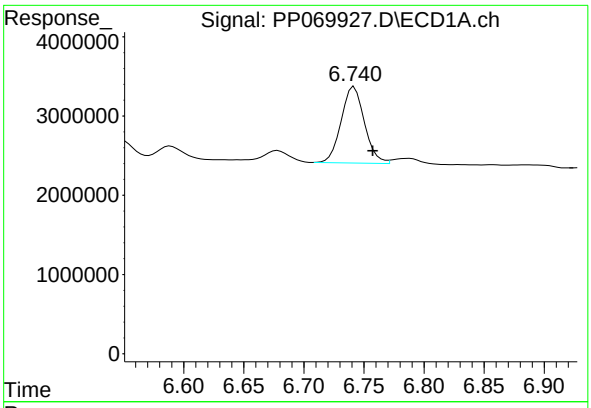
#26 AR-1254-1

R.T.: 6.525 min
Delta R.T.: -0.016 min
Response: 12253522
Conc: 211.77 ng/ml m



#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: -0.014 min
Response: 9600001
Conc: 174.37 ng/ml



#27 AR-1254-2

R.T.: 6.742 min
Delta R.T.: -0.015 min
Response: 12975448
Conc: 161.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations APPROVED

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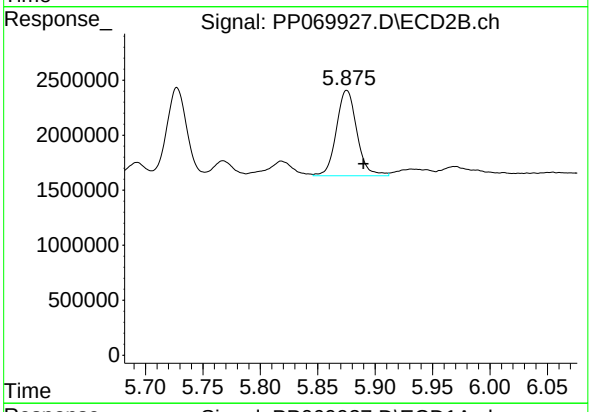
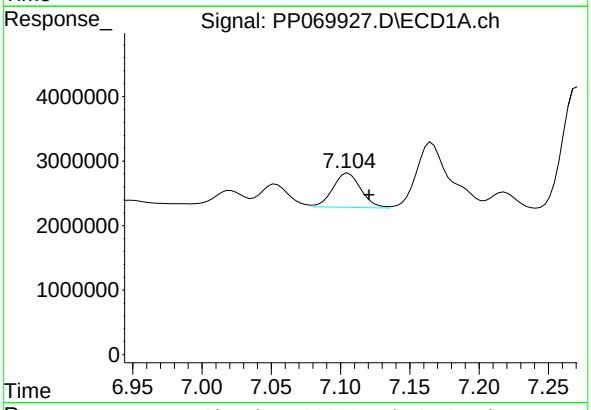
Supervised By :Ankita Jodhani 02/21/2025



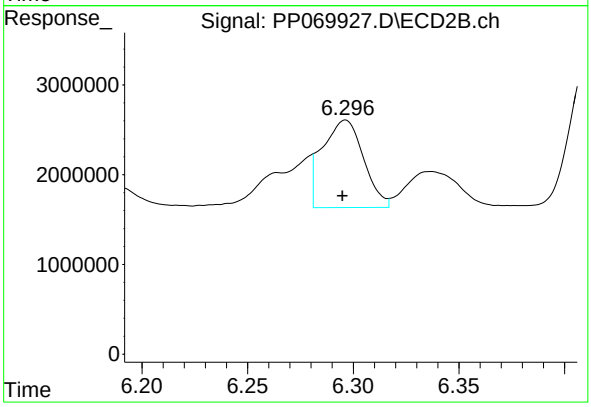
#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: -0.014 min
Response: 9703511
Conc: 200.62 ng/ml



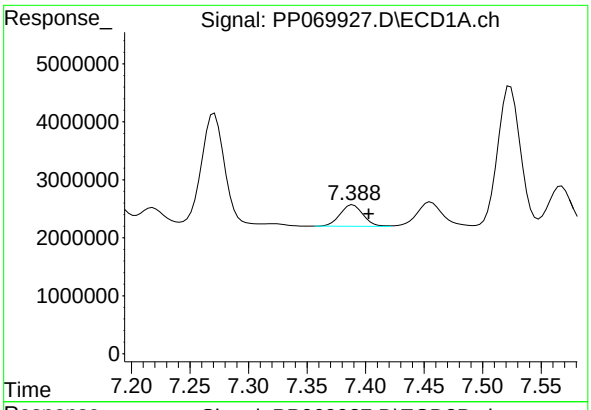
#28 AR-1254-3

R.T.: 7.106 min
Delta R.T.: -0.015 min
Response: 7428042
Conc: 88.13 ng/ml



#28 AR-1254-3

R.T.: 6.296 min
Delta R.T.: 0.001 min
Response: 13141341
Conc: 173.15 ng/ml m



#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.013 min
Response: 5109038
Conc: 74.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
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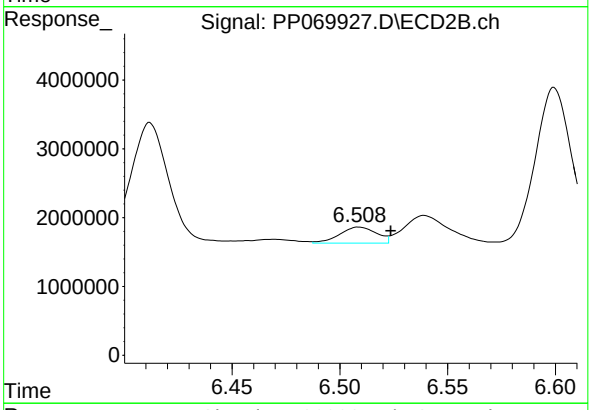
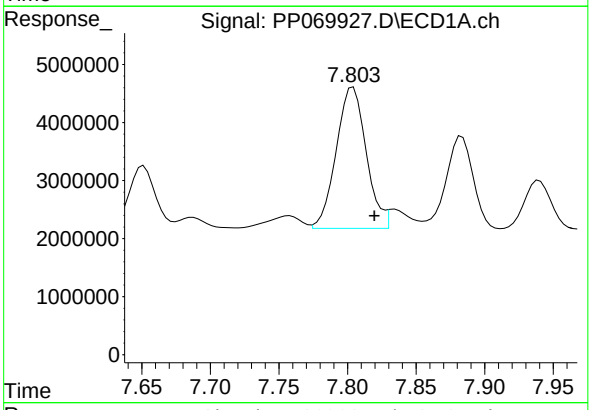


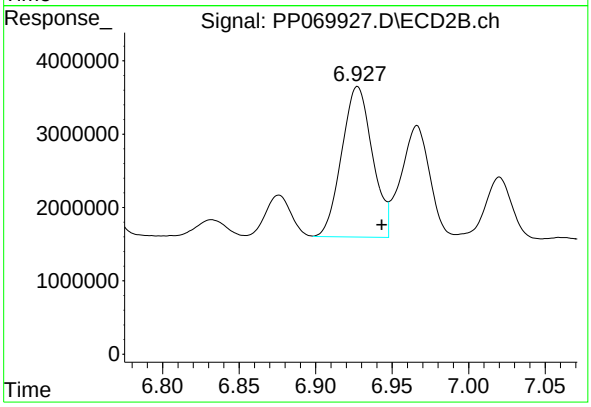
#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: -0.015 min
Response: 2812878
Conc: 54.89 ng/ml



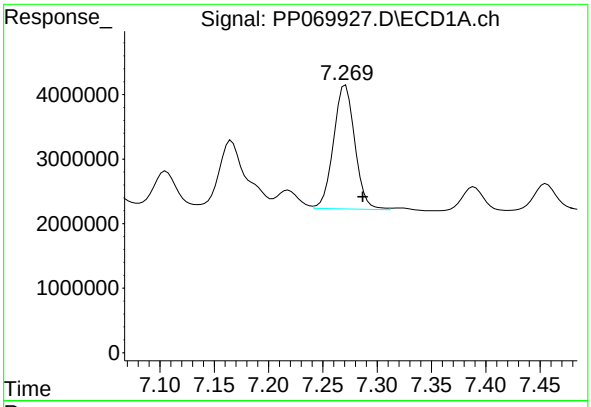
#30 AR-1254-5

R.T.: 7.803 min
Delta R.T.: -0.017 min
Response: 36927611
Conc: 542.68 ng/ml m



#30 AR-1254-5

R.T.: 6.927 min
Delta R.T.: -0.016 min
Response: 28699914
Conc: 431.19 ng/ml



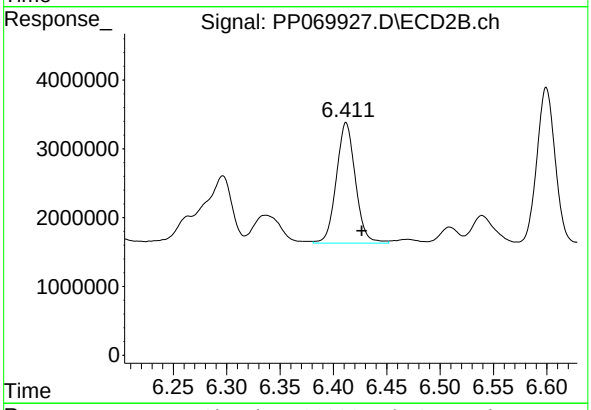
#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: -0.016 min
Response: 26227603
Conc: 448.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

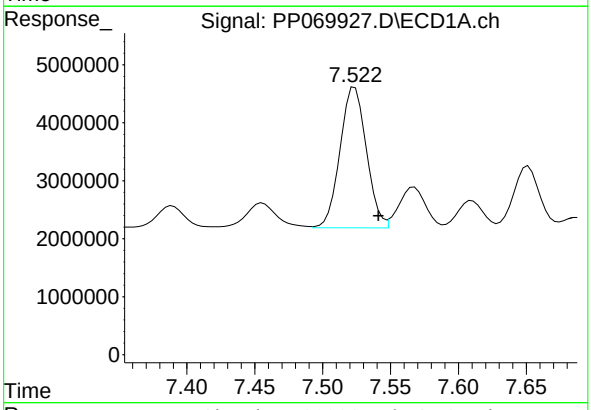
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



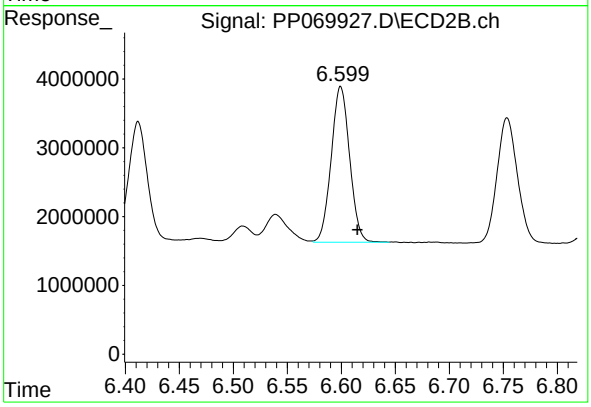
#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: -0.015 min
Response: 21834754
Conc: 452.73 ng/ml



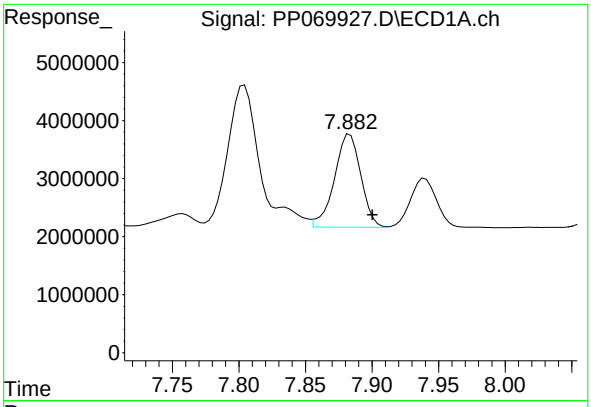
#32 AR-1260-2

R.T.: 7.524 min
Delta R.T.: -0.017 min
Response: 32832842
Conc: 421.95 ng/ml



#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: -0.016 min
Response: 26848926
Conc: 437.97 ng/ml



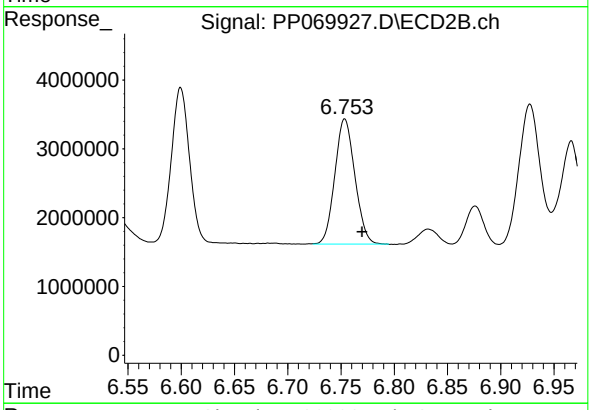
#33 AR-1260-3

R.T.: 7.883 min
Delta R.T.: -0.017 min
Response: 22173479
Conc: 354.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

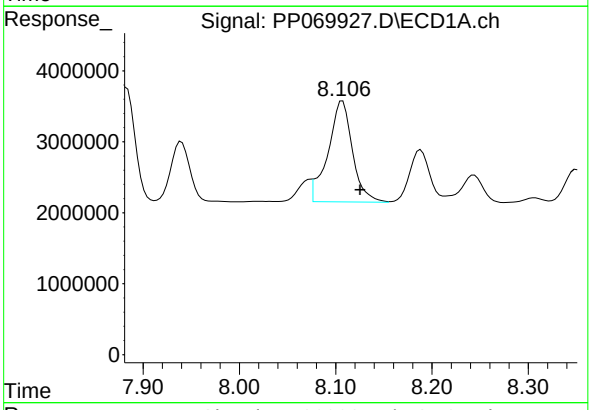
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



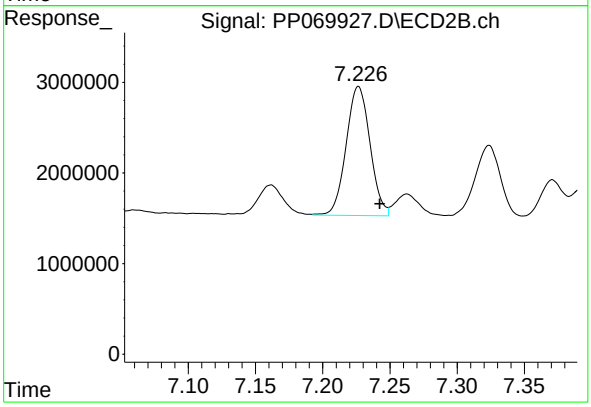
#33 AR-1260-3

R.T.: 6.753 min
Delta R.T.: -0.017 min
Response: 23796308
Conc: 395.57 ng/ml m



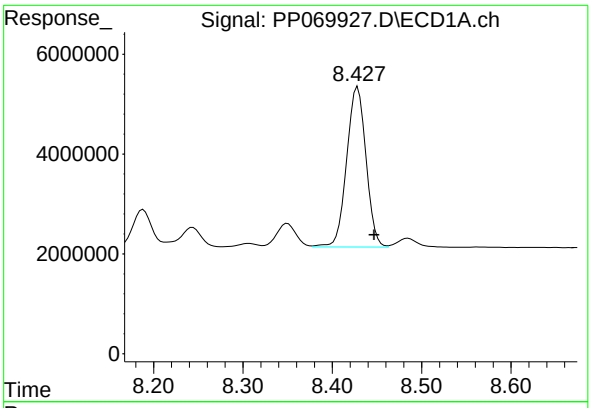
#34 AR-1260-4

R.T.: 8.106 min
Delta R.T.: -0.019 min
Response: 24878430
Conc: 377.08 ng/ml m



#34 AR-1260-4

R.T.: 7.227 min
Delta R.T.: -0.016 min
Response: 17612644
Conc: 379.03 ng/ml



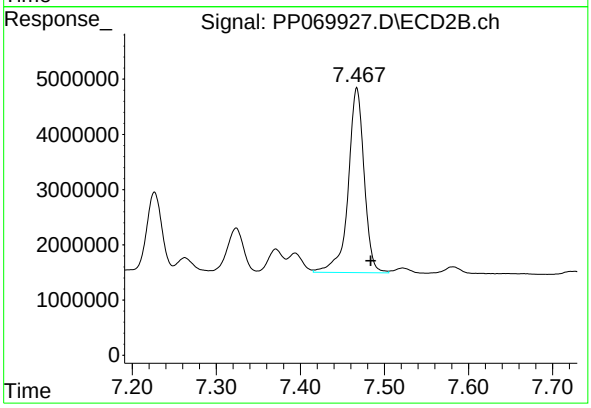
#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: -0.018 min
Response: 48329219
Conc: 369.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: -0.016 min
Response: 44103270
Conc: 396.81 ng/ml

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Manual Integration Report

Sequence:	PP012825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PP069265.D	Tetrachloro-m-xylene #2	yogesh	1/29/2025 8:01:08 AM	Ankita	1/29/2025 12:56:48	Peak Integrated by Software
AR1248ICC250	PP069280.D	AR-1248-4	yogesh	1/29/2025 8:01:09 AM	Ankita	1/29/2025 12:56:49	Peak Integrated by Software
AR1248ICC250	PP069280.D	AR-1248-5	yogesh	1/29/2025 8:01:09 AM	Ankita	1/29/2025 12:56:49	Peak Integrated by Software
AR1254ICC050	PP069286.D	AR-1254-1	yogesh	1/29/2025 8:01:10 AM	Ankita	1/29/2025 12:56:50	Peak Integrated by Software
AR1254ICC050	PP069286.D	Tetrachloro-m-xylene	yogesh	1/29/2025 8:01:10 AM	Ankita	1/29/2025 12:56:50	Peak Integrated by Software
AR1268ICC050	PP069292.D	Tetrachloro-m-xylene	yogesh	1/29/2025 8:01:12 AM	Ankita	1/29/2025 12:56:52	Peak Integrated by Software
AR1268ICC050	PP069292.D	Tetrachloro-m-xylene #2	yogesh	1/29/2025 8:01:12 AM	Ankita	1/29/2025 12:56:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069827.D	AR-1016-5 #2	yogesh	2/20/2025 8:11:01 AM	Ankita	2/20/2025 12:54:11	Peak Integrated by Software
AR1660CCC500	PP069827.D	AR-1260-3 #2	yogesh	2/20/2025 8:11:01 AM	Ankita	2/20/2025 12:54:11	Peak Integrated by Software
AR1660CCC500	PP069827.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:01 AM	Ankita	2/20/2025 12:54:11	Peak Integrated by Software
AR1242CCC500	PP069828.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:03 AM	Ankita	2/20/2025 12:54:13	Peak Integrated by Software
AR1248CCC500	PP069829.D	AR-1248-3 #2	yogesh	2/20/2025 8:11:07 AM	Ankita	2/20/2025 12:54:15	Peak Integrated by Software
AR1248CCC500	PP069829.D	AR-1248-5 #2	yogesh	2/20/2025 8:11:07 AM	Ankita	2/20/2025 12:54:15	Peak Integrated by Software
AR1248CCC500	PP069829.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:07 AM	Ankita	2/20/2025 12:54:15	Peak Integrated by Software
AR1254CCC500	PP069830.D	AR-1254-4 #2	yogesh	2/20/2025 8:11:09 AM	Ankita	2/20/2025 12:54:16	Peak Integrated by Software
AR1254CCC500	PP069830.D	AR-1254-5	yogesh	2/20/2025 8:11:09 AM	Ankita	2/20/2025 12:54:16	Peak Integrated by Software
AR1254CCC500	PP069830.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:09 AM	Ankita	2/20/2025 12:54:16	Peak Integrated by Software
I.BLK	PP069831.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:11 AM	Ankita	2/20/2025 12:54:18	Peak Integrated by Software
PB166770BL	PP069837.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:22 AM	Ankita	2/20/2025 12:54:29	Peak Integrated by Software
PB166770BS	PP069838.D	AR-1016-5	yogesh	2/20/2025 8:11:24 AM	Ankita	2/20/2025 12:54:31	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166770BS	PP069838.D	AR-1260-3 #2	yogesh	2/20/2025 8:11:24 AM	Ankita	2/20/2025 12:54:31	Peak Integrated by Software
PB166770BS	PP069838.D	AR-1260-4	yogesh	2/20/2025 8:11:24 AM	Ankita	2/20/2025 12:54:31	Peak Integrated by Software
PB166770BS	PP069838.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:11:24 AM	Ankita	2/20/2025 12:54:31	Peak Integrated by Software
PB166770BS	PP069838.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:24 AM	Ankita	2/20/2025 12:54:31	Peak Integrated by Software
Q1382-01	PP069839.D	AR-1254-1 #2	yogesh	2/20/2025 8:11:25 AM	Ankita	2/20/2025 12:54:34	Peak Integrated by Software
Q1382-01	PP069839.D	AR-1254-2 #2	yogesh	2/20/2025 8:11:25 AM	Ankita	2/20/2025 12:54:34	Peak Integrated by Software
Q1382-01	PP069839.D	AR-1254-3 #2	yogesh	2/20/2025 8:11:25 AM	Ankita	2/20/2025 12:54:34	Peak Integrated by Software
Q1382-01	PP069839.D	AR-1254-4 #2	yogesh	2/20/2025 8:11:25 AM	Ankita	2/20/2025 12:54:34	Peak Integrated by Software
Q1382-01	PP069839.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:25 AM	Ankita	2/20/2025 12:54:34	Peak Integrated by Software
AR1660CCC500	PP069842.D	AR-1016-2 #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	AR-1016-5 #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	AR-1260-3 #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069842.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1242CCC500	PP069843.D	AR-1242-5	yogesh	2/20/2025 8:11:33 AM	Ankita	2/20/2025 12:54:40	Peak Integrated by Software
AR1242CCC500	PP069843.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:11:33 AM	Ankita	2/20/2025 12:54:40	Peak Integrated by Software
AR1242CCC500	PP069843.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:33 AM	Ankita	2/20/2025 12:54:40	Peak Integrated by Software
AR1248CCC500	PP069844.D	AR-1248-3	yogesh	2/20/2025 8:11:35 AM	Ankita	2/20/2025 12:54:42	Peak Integrated by Software
AR1248CCC500	PP069844.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:35 AM	Ankita	2/20/2025 12:54:42	Peak Integrated by Software
AR1254CCC500	PP069845.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:37 AM	Ankita	2/20/2025 12:54:43	Peak Integrated by Software
I.BLK	PP069846.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:12:51 AM	Ankita	2/20/2025 12:54:45	Peak Integrated by Software
Q1382-03	PP069847.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:12:53 AM	Ankita	2/20/2025 12:54:47	Peak Integrated by Software
Q1382-05	PP069848.D	AR-1254-1	yogesh	2/20/2025 8:12:55 AM	Ankita	2/20/2025 12:54:48	Peak Integrated by Software
Q1382-05	PP069848.D	AR-1254-1 #2	yogesh	2/20/2025 8:12:55 AM	Ankita	2/20/2025 12:54:48	Peak Integrated by Software
Q1382-05	PP069848.D	AR-1254-2 #2	yogesh	2/20/2025 8:12:55 AM	Ankita	2/20/2025 12:54:48	Peak Integrated by Software
Q1382-05	PP069848.D	AR-1254-3 #2	yogesh	2/20/2025 8:12:55 AM	Ankita	2/20/2025 12:54:48	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1382-05	PP069848.D	AR-1254-5	yogesh	2/20/2025 8:12:55 AM	Ankita	2/20/2025 12:54:48	Peak Integrated by Software
Q1382-07	PP069849.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:12:56 AM	Ankita	2/20/2025 12:54:50	Peak Integrated by Software
Q1382-11	PP069851.D	AR-1254-1	yogesh	2/20/2025 8:13:00 AM	Ankita	2/20/2025 12:55:21	Peak Integrated by Software
Q1382-11	PP069851.D	AR-1254-3 #2	yogesh	2/20/2025 8:13:00 AM	Ankita	2/20/2025 12:55:21	Peak Integrated by Software
Q1382-11	PP069851.D	AR-1254-5	yogesh	2/20/2025 8:13:00 AM	Ankita	2/20/2025 12:55:21	Peak Integrated by Software
Q1382-13	PP069852.D	AR-1254-3 #2	yogesh	2/20/2025 8:13:02 AM	Ankita	2/20/2025 12:55:22	Peak Integrated by Software
Q1382-13	PP069852.D	AR-1254-4 #2	yogesh	2/20/2025 8:13:02 AM	Ankita	2/20/2025 12:55:22	Peak Integrated by Software
Q1382-13	PP069852.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:02 AM	Ankita	2/20/2025 12:55:22	Peak Integrated by Software
Q1382-15	PP069853.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:03 AM	Ankita	2/20/2025 12:55:24	Peak Integrated by Software
Q1382-17	PP069854.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:06 AM	Ankita	2/20/2025 12:55:26	Peak Integrated by Software
Q1382-19	PP069855.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:08 AM	Ankita	2/20/2025 12:55:27	Peak Integrated by Software
AR1660CCC500	PP069857.D	AR-1016-1	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1660CCC500	PP069857.D	AR-1016-1 #2	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069857.D	AR-1260-3 #2	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1660CCC500	PP069857.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1242CCC500	PP069858.D	AR-1242-1	yogesh	2/20/2025 8:14:39 AM	Ankita	2/20/2025 12:55:33	Peak Integrated by Software
AR1242CCC500	PP069858.D	AR-1242-1 #2	yogesh	2/20/2025 8:14:39 AM	Ankita	2/20/2025 12:55:33	Peak Integrated by Software
AR1242CCC500	PP069858.D	AR-1242-5	yogesh	2/20/2025 8:14:39 AM	Ankita	2/20/2025 12:55:33	Peak Integrated by Software
AR1248CCC500	PP069859.D	AR-1248-1	yogesh	2/20/2025 8:13:15 AM	Ankita	2/20/2025 12:55:34	Peak Integrated by Software
AR1248CCC500	PP069859.D	AR-1248-1 #2	yogesh	2/20/2025 8:13:15 AM	Ankita	2/20/2025 12:55:34	Peak Integrated by Software
AR1248CCC500	PP069859.D	AR-1248-3	yogesh	2/20/2025 8:13:15 AM	Ankita	2/20/2025 12:55:34	Peak Integrated by Software
AR1254CCC500	PP069860.D	AR-1254-1	yogesh	2/20/2025 8:13:17 AM	Ankita	2/20/2025 12:55:36	Peak Integrated by Software
AR1254CCC500	PP069860.D	AR-1254-5	yogesh	2/20/2025 8:13:17 AM	Ankita	2/20/2025 12:55:36	Peak Integrated by Software
I.BLK	PP069861.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:18 AM	Ankita	2/20/2025 12:55:38	Peak Integrated by Software
AR1660CCC500	PP069872.D	AR-1016-1	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC500	PP069872.D	AR-1016-1 #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP069872.D	AR-1016-5 #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	AR-1260-3 #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1242CCC50 0	PP069873.D	AR-1242-1	yogesh	2/20/2025 8:14:47 AM	Ankita	2/20/2025 12:56:33	Peak Integrated by Software
AR1242CCC50 0	PP069873.D	AR-1242-1 #2	yogesh	2/20/2025 8:14:47 AM	Ankita	2/20/2025 12:56:33	Peak Integrated by Software
AR1242CCC50 0	PP069873.D	AR-1242-5 #2	yogesh	2/20/2025 8:14:47 AM	Ankita	2/20/2025 12:56:33	Peak Integrated by Software
AR1248CCC50 0	PP069874.D	AR-1248-1	yogesh	2/20/2025 8:14:49 AM	Ankita	2/20/2025 12:56:35	Peak Integrated by Software
AR1248CCC50 0	PP069874.D	AR-1248-1 #2	yogesh	2/20/2025 8:14:49 AM	Ankita	2/20/2025 12:56:35	Peak Integrated by Software
AR1248CCC50 0	PP069874.D	AR-1248-3	yogesh	2/20/2025 8:14:49 AM	Ankita	2/20/2025 12:56:35	Peak Integrated by Software
AR1254CCC50 0	PP069875.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:14:52 AM	Ankita	2/20/2025 12:56:36	Peak Integrated by Software
I.BLK	PP069876.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:14:55 AM	Ankita	2/20/2025 12:56:38	Peak Integrated by Software
AR1660CCC50 0	PP069885.D	AR-1016-1	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069885.D	AR-1016-1 #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1016-5	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1016-5 #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1260-3 #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1242CCC500	PP069886.D	AR-1242-1	yogesh	2/20/2025 8:15:11 AM	Ankita	2/20/2025 12:57:05	Peak Integrated by Software
AR1242CCC500	PP069886.D	AR-1242-1 #2	yogesh	2/20/2025 8:15:11 AM	Ankita	2/20/2025 12:57:05	Peak Integrated by Software
AR1242CCC500	PP069886.D	AR-1242-5	yogesh	2/20/2025 8:15:11 AM	Ankita	2/20/2025 12:57:05	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-1	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-1 #2	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-3	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-4 #2	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP069888.D	AR-1254-1	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-2	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-3	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-4	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-5	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
I.BLK	PP069889.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:15:17 AM	Ankita	2/20/2025 12:57:09	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1016-2 #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1016-5	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1016-5 #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1260-3 #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	Tetrachloro-m-xylene	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP069899.D	AR-1254-2	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-3	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-4	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-4 #2	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP069902.D	AR-1016-2 #2	yogesh	2/21/2025 8:08:56 AM	Ankita	2/21/2025 11:05:45	Peak Integrated by Software
AR1660CCC50 0	PP069902.D	AR-1016-5	yogesh	2/21/2025 8:08:56 AM	Ankita	2/21/2025 11:05:45	Peak Integrated by Software
AR1660CCC50 0	PP069902.D	AR-1016-5 #2	yogesh	2/21/2025 8:08:56 AM	Ankita	2/21/2025 11:05:45	Peak Integrated by Software
AR1660CCC50 0	PP069902.D	AR-1260-3 #2	yogesh	2/21/2025 8:08:56 AM	Ankita	2/21/2025 11:05:45	Peak Integrated by Software
AR1660CCC50 0	PP069902.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:08:56 AM	Ankita	2/21/2025 11:05:45	Peak Integrated by Software
AR1660CCC50 0	PP069902.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:08:56 AM	Ankita	2/21/2025 11:05:45	Peak Integrated by Software
AR1242CCC50 0	PP069903.D	AR-1242-2 #2	yogesh	2/21/2025 8:08:58 AM	Ankita	2/21/2025 11:05:47	Peak Integrated by Software
AR1242CCC50 0	PP069903.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:08:58 AM	Ankita	2/21/2025 11:05:47	Peak Integrated by Software
AR1242CCC50 0	PP069903.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:08:58 AM	Ankita	2/21/2025 11:05:47	Peak Integrated by Software
AR1248CCC50 0	PP069904.D	AR-1248-3	yogesh	2/21/2025 8:09:00 AM	Ankita	2/21/2025 11:05:48	Peak Integrated by Software
AR1248CCC50 0	PP069904.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:09:00 AM	Ankita	2/21/2025 11:05:48	Peak Integrated by Software
AR1254CCC50 0	PP069905.D	AR-1254-4 #2	yogesh	2/21/2025 8:09:01 AM	Ankita	2/21/2025 11:05:50	Peak Integrated by Software
AR1254CCC50 0	PP069905.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:09:01 AM	Ankita	2/21/2025 11:05:50	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP069906.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:09:03 AM	Ankita	2/21/2025 11:05:51	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	AR-1016-1	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	AR-1016-1 #2	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	AR-1016-5	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	AR-1016-5 #2	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	AR-1260-3 #2	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1660CCC50 0	PP069917.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:43:53 AM	Ankita	2/21/2025 11:06:08	Peak Integrated by Software
AR1242CCC50 0	PP069918.D	AR-1242-1	yogesh	2/21/2025 8:43:55 AM	Ankita	2/21/2025 11:06:09	Peak Integrated by Software
AR1242CCC50 0	PP069918.D	AR-1242-1 #2	yogesh	2/21/2025 8:43:55 AM	Ankita	2/21/2025 11:06:09	Peak Integrated by Software
AR1242CCC50 0	PP069918.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:43:55 AM	Ankita	2/21/2025 11:06:09	Peak Integrated by Software
AR1242CCC50 0	PP069918.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:43:55 AM	Ankita	2/21/2025 11:06:09	Peak Integrated by Software
AR1248CCC50 0	PP069919.D	AR-1248-1	yogesh	2/21/2025 8:43:58 AM	Ankita	2/21/2025 11:07:20	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP069919.D	AR-1248-1 #2	yogesh	2/21/2025 8:43:58 AM	Ankita	2/21/2025 11:07:20	Peak Integrated by Software
AR1254CCC500	PP069920.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:44:06 AM	Ankita	2/21/2025 11:07:22	Peak Integrated by Software
I.BLK	PP069921.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:44:08 AM	Ankita	2/21/2025 11:07:23	Peak Integrated by Software
Q1382-01MS	PP069926.D	AR-1016-5	yogesh	2/21/2025 8:46:10 AM	Ankita	2/21/2025 11:07:33	Peak Integrated by Software
Q1382-01MS	PP069926.D	AR-1260-3 #2	yogesh	2/21/2025 8:46:10 AM	Ankita	2/21/2025 11:07:33	Peak Integrated by Software
Q1382-01MS	PP069926.D	AR-1260-4	yogesh	2/21/2025 8:46:10 AM	Ankita	2/21/2025 11:07:33	Peak Integrated by Software
Q1382-01MS	PP069926.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:46:10 AM	Ankita	2/21/2025 11:07:33	Peak Integrated by Software
Q1382-01MS	PP069926.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:46:10 AM	Ankita	2/21/2025 11:07:33	Peak Integrated by Software
Q1382-01MSD	PP069927.D	AR-1016-5	yogesh	2/21/2025 8:46:12 AM	Ankita	2/21/2025 11:07:35	Peak Integrated by Software
Q1382-01MSD	PP069927.D	AR-1260-3 #2	yogesh	2/21/2025 8:46:12 AM	Ankita	2/21/2025 11:07:35	Peak Integrated by Software
Q1382-01MSD	PP069927.D	AR-1260-4	yogesh	2/21/2025 8:46:12 AM	Ankita	2/21/2025 11:07:35	Peak Integrated by Software
Q1382-01MSD	PP069927.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:46:12 AM	Ankita	2/21/2025 11:07:35	Peak Integrated by Software
Q1382-01MSD	PP069927.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:46:12 AM	Ankita	2/21/2025 11:07:35	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1382-03RE	PP069928.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:46:23 AM	Ankita	2/21/2025 11:07:37	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-1	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-1 #2	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-2	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-2 #2	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-3	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-3 #2	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-4	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-4 #2	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	AR-1254-5	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-05RE	PP069929.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 11:05:58 AM	Ankita	2/21/2025 11:07:38	Peak Integrated by Software
Q1382-07RE	PP069930.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:46:46 AM	Ankita	2/21/2025 11:07:40	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-1	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1382-11RE	PP069931.D	AR-1254-1 #2	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-2	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-2 #2	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-3	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-3 #2	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-4	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-4 #2	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	AR-1254-5	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
Q1382-11RE	PP069931.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 11:06:00 AM	Ankita	2/21/2025 11:07:42	Peak Integrated by Software
AR1660CCC500	PP069932.D	AR-1016-1	yogesh	2/21/2025 8:47:45 AM	Ankita	2/21/2025 11:07:43	Peak Integrated by Software
AR1660CCC500	PP069932.D	AR-1016-1 #2	yogesh	2/21/2025 8:47:45 AM	Ankita	2/21/2025 11:07:43	Peak Integrated by Software
AR1660CCC500	PP069932.D	AR-1260-3 #2	yogesh	2/21/2025 8:47:45 AM	Ankita	2/21/2025 11:07:43	Peak Integrated by Software
AR1660CCC500	PP069932.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:47:45 AM	Ankita	2/21/2025 11:07:43	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP069933.D	AR-1242-1	yogesh	2/21/2025 8:47:47 AM	Ankita	2/21/2025 11:07:45	Peak Integrated by Software
AR1242CCC500	PP069933.D	AR-1242-1 #2	yogesh	2/21/2025 8:47:47 AM	Ankita	2/21/2025 11:07:45	Peak Integrated by Software
AR1248CCC500	PP069934.D	AR-1248-1	yogesh	2/21/2025 8:47:49 AM	Ankita	2/21/2025 11:07:47	Peak Integrated by Software
AR1248CCC500	PP069934.D	AR-1248-1 #2	yogesh	2/21/2025 8:47:49 AM	Ankita	2/21/2025 11:07:47	Peak Integrated by Software
AR1248CCC500	PP069934.D	AR-1248-3	yogesh	2/21/2025 8:47:49 AM	Ankita	2/21/2025 11:07:47	Peak Integrated by Software
AR1254CCC500	PP069935.D	AR-1254-1	yogesh	2/21/2025 8:48:02 AM	Ankita	2/21/2025 11:07:49	Peak Integrated by Software
I.BLK	PP069936.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:48:03 AM	Ankita	2/21/2025 11:07:50	Peak Integrated by Software
Q1382-19RE	PP069937.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:48:05 AM	Ankita	2/21/2025 11:08:15	Peak Integrated by Software
Q1382-09	PP069945.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:48:56 AM	Ankita	2/21/2025 11:08:30	Peak Integrated by Software
AR1660CCC500	PP069947.D	AR-1016-1	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1660CCC500	PP069947.D	AR-1016-1 #2	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1660CCC500	PP069947.D	AR-1016-5	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1660CCC500	PP069947.D	AR-1016-5 #2	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069947.D	AR-1260-1	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1660CCC500	PP069947.D	AR-1260-3 #2	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1660CCC500	PP069947.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1660CCC500	PP069947.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:48:59 AM	Ankita	2/21/2025 11:08:34	Peak Integrated by Software
AR1242CCC500	PP069948.D	AR-1242-1	yogesh	2/21/2025 8:49:01 AM	Ankita	2/21/2025 11:08:36	Peak Integrated by Software
AR1242CCC500	PP069948.D	AR-1242-1 #2	yogesh	2/21/2025 8:49:01 AM	Ankita	2/21/2025 11:08:36	Peak Integrated by Software
AR1242CCC500	PP069948.D	AR-1242-5	yogesh	2/21/2025 8:49:01 AM	Ankita	2/21/2025 11:08:36	Peak Integrated by Software
AR1248CCC500	PP069949.D	AR-1248-1	yogesh	2/21/2025 8:49:03 AM	Ankita	2/21/2025 11:08:37	Peak Integrated by Software
AR1248CCC500	PP069949.D	AR-1248-1 #2	yogesh	2/21/2025 8:49:03 AM	Ankita	2/21/2025 11:08:37	Peak Integrated by Software
AR1248CCC500	PP069949.D	AR-1248-3	yogesh	2/21/2025 8:49:03 AM	Ankita	2/21/2025 11:08:37	Peak Integrated by Software
AR1248CCC500	PP069949.D	AR-1248-3 #2	yogesh	2/21/2025 8:49:03 AM	Ankita	2/21/2025 11:08:37	Peak Integrated by Software
AR1254CCC500	PP069950.D	AR-1254-1	yogesh	2/21/2025 8:49:04 AM	Ankita	2/21/2025 11:08:39	Peak Integrated by Software
AR1254CCC500	PP069950.D	AR-1254-4 #2	yogesh	2/21/2025 8:49:04 AM	Ankita	2/21/2025 11:08:39	Peak Integrated by Software

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Sequence:	PP022025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP069950.D	AR-1254-5	yogesh	2/21/2025 8:49:04 AM	Ankita	2/21/2025 11:08:39	Peak Integrated by Software
I.BLK	PP069951.D	Tetrachloro-m-xylene #2	yogesh	2/21/2025 8:49:06 AM	Ankita	2/21/2025 11:08:40	Peak Integrated by Software

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

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	PP069263.D	28 Jan 2025 09:05	YP\AJ	Ok
2	I.BLK	PP069264.D	28 Jan 2025 09:21	YP\AJ	Ok
3	AR1660ICC1000	PP069265.D	28 Jan 2025 09:37	YP\AJ	Ok,M
4	AR1660ICC750	PP069266.D	28 Jan 2025 09:54	YP\AJ	Ok
5	AR1660ICC500	PP069267.D	28 Jan 2025 10:10	YP\AJ	Ok
6	AR1660ICC250	PP069268.D	28 Jan 2025 10:26	YP\AJ	Ok
7	AR1660ICC050	PP069269.D	28 Jan 2025 11:15	YP\AJ	Ok
8	AR1221ICC500	PP069270.D	28 Jan 2025 11:32	YP\AJ	Ok
9	AR1232ICC500	PP069271.D	28 Jan 2025 11:48	YP\AJ	Ok
10	AR1242ICC1000	PP069272.D	28 Jan 2025 12:04	YP\AJ	Ok
11	AR1242ICC750	PP069273.D	28 Jan 2025 12:21	YP\AJ	Ok
12	AR1242ICC500	PP069274.D	28 Jan 2025 12:37	YP\AJ	Ok
13	AR1242ICC250	PP069275.D	28 Jan 2025 12:53	YP\AJ	Ok
14	AR1242ICC050	PP069276.D	28 Jan 2025 13:09	YP\AJ	Ok
15	AR1248ICC1000	PP069277.D	28 Jan 2025 13:26	YP\AJ	Ok
16	AR1248ICC750	PP069278.D	28 Jan 2025 13:42	YP\AJ	Ok
17	AR1248ICC500	PP069279.D	28 Jan 2025 13:58	YP\AJ	Ok
18	AR1248ICC250	PP069280.D	28 Jan 2025 14:15	YP\AJ	Ok,M
19	AR1248ICC050	PP069281.D	28 Jan 2025 14:31	YP\AJ	Ok
20	AR1254ICC1000	PP069282.D	28 Jan 2025 14:47	YP\AJ	Ok
21	AR1254ICC750	PP069283.D	28 Jan 2025 15:04	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

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	AR1254ICC500	PP069284.D	28 Jan 2025 15:20	YP\AJ	Ok
23	AR1254ICC250	PP069285.D	28 Jan 2025 15:36	YP\AJ	Ok
24	AR1254ICC050	PP069286.D	28 Jan 2025 15:53	YP\AJ	Ok,M
25	AR1262ICC500	PP069287.D	28 Jan 2025 16:09	YP\AJ	Ok
26	AR1268ICC1000	PP069288.D	28 Jan 2025 16:25	YP\AJ	Ok
27	AR1268ICC750	PP069289.D	28 Jan 2025 16:42	YP\AJ	Ok
28	AR1268ICC500	PP069290.D	28 Jan 2025 16:58	YP\AJ	Ok
29	AR1268ICC250	PP069291.D	28 Jan 2025 17:14	YP\AJ	Ok
30	AR1268ICC050	PP069292.D	28 Jan 2025 17:30	YP\AJ	Ok,M
31	PP012825ICV500	PP069293.D	28 Jan 2025 17:47	YP\AJ	Ok
32	AR1242ICV500	PP069294.D	28 Jan 2025 18:03	YP\AJ	Ok
33	AR1248ICV500	PP069295.D	28 Jan 2025 18:19	YP\AJ	Ok
34	AR1254ICV500	PP069296.D	28 Jan 2025 18:36	YP\AJ	Ok
35	AR1268ICV500	PP069297.D	28 Jan 2025 18:52	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	PP069826.D	19 Feb 2025 08:10	YP\AJ	Ok
2	AR1660CCC500	PP069827.D	19 Feb 2025 08:26	YP\AJ	Ok,M
3	AR1242CCC500	PP069828.D	19 Feb 2025 08:47	YP\AJ	Ok,M
4	AR1248CCC500	PP069829.D	19 Feb 2025 09:03	YP\AJ	Ok,M
5	AR1254CCC500	PP069830.D	19 Feb 2025 09:19	YP\AJ	Ok,M
6	I.BLK	PP069831.D	19 Feb 2025 10:11	YP\AJ	Ok,M
7	PB166749BL	PP069832.D	19 Feb 2025 10:28	YP\AJ	Ok,M
8	PB166750BL	PP069833.D	19 Feb 2025 10:44	YP\AJ	Ok,M
9	Q1373-02DL2	PP069834.D	19 Feb 2025 11:01	YP\AJ	Ok,M
10	Q1379-01	PP069835.D	19 Feb 2025 11:17	YP\AJ	Ok,M
11	Q1378-03	PP069836.D	19 Feb 2025 11:33	YP\AJ	Ok,M
12	PB166770BL	PP069837.D	19 Feb 2025 13:00	YP\AJ	Ok,M
13	PB166770BS	PP069838.D	19 Feb 2025 13:16	YP\AJ	Ok,M
14	Q1382-01	PP069839.D	19 Feb 2025 13:32	YP\AJ	Ok,M
15	Q1382-01MS	PP069840.D	19 Feb 2025 13:48	YP\AJ	Not Ok
16	Q1382-01MSD	PP069841.D	19 Feb 2025 14:05	YP\AJ	Not Ok
17	AR1660CCC500	PP069842.D	19 Feb 2025 15:10	YP\AJ	Ok,M
18	AR1242CCC500	PP069843.D	19 Feb 2025 15:42	YP\AJ	Ok,M
19	AR1248CCC500	PP069844.D	19 Feb 2025 15:58	YP\AJ	Ok,M
20	AR1254CCC500	PP069845.D	19 Feb 2025 16:15	YP\AJ	Ok,M
21	I.BLK	PP069846.D	19 Feb 2025 16:31	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	Q1382-03	PP069847.D	19 Feb 2025 16:47	YP\AJ	ReRun
23	Q1382-05	PP069848.D	19 Feb 2025 17:03	YP\AJ	ReRun
24	Q1382-07	PP069849.D	19 Feb 2025 17:19	YP\AJ	ReRun
25	Q1382-09	PP069850.D	19 Feb 2025 17:36	YP\AJ	Not Ok
26	Q1382-11	PP069851.D	19 Feb 2025 17:52	YP\AJ	ReRun
27	Q1382-13	PP069852.D	19 Feb 2025 18:08	YP\AJ	Ok,M
28	Q1382-15	PP069853.D	19 Feb 2025 18:24	YP\AJ	Ok,M
29	Q1382-17	PP069854.D	19 Feb 2025 18:40	YP\AJ	Ok,M
30	Q1382-19	PP069855.D	19 Feb 2025 18:57	YP\AJ	ReRun
31	Q1384-01	PP069856.D	19 Feb 2025 19:13	YP\AJ	Ok
32	AR1660CCC500	PP069857.D	19 Feb 2025 20:18	YP\AJ	Ok,M
33	AR1242CCC500	PP069858.D	19 Feb 2025 20:50	YP\AJ	Ok,M
34	AR1248CCC500	PP069859.D	19 Feb 2025 21:07	YP\AJ	Ok,M
35	AR1254CCC500	PP069860.D	19 Feb 2025 21:23	YP\AJ	Ok,M
36	I.BLK	PP069861.D	19 Feb 2025 21:39	YP\AJ	Ok,M
37	PB166774BL	PP069862.D	19 Feb 2025 21:55	YP\AJ	Ok,M
38	PB166774BS	PP069863.D	19 Feb 2025 22:11	YP\AJ	Ok,M
39	Q1385-01	PP069864.D	19 Feb 2025 22:28	YP\AJ	Ok,M
40	Q1383-01	PP069865.D	19 Feb 2025 22:44	YP\AJ	Ok,M
41	Q1383-01MS	PP069866.D	19 Feb 2025 23:00	YP\AJ	Ok,M
42	Q1383-01MSD	PP069867.D	19 Feb 2025 23:16	YP\AJ	Ok,M
43	Q1383-03	PP069868.D	19 Feb 2025 23:33	YP\AJ	ReRun
44	Q1383-05	PP069869.D	19 Feb 2025 23:49	YP\AJ	ReRun

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	Q1383-07	PP069870.D	20 Feb 2025 00:05	YP\AJ	ReRun
46	Q1383-09	PP069871.D	20 Feb 2025 00:21	YP\AJ	ReRun
47	AR1660CCC500	PP069872.D	20 Feb 2025 01:26	YP\AJ	Ok,M
48	AR1242CCC500	PP069873.D	20 Feb 2025 01:58	YP\AJ	Ok,M
49	AR1248CCC500	PP069874.D	20 Feb 2025 02:15	YP\AJ	Ok,M
50	AR1254CCC500	PP069875.D	20 Feb 2025 02:31	YP\AJ	Ok,M
51	I.BLK	PP069876.D	20 Feb 2025 02:47	YP\AJ	Ok,M
52	Q1383-11	PP069877.D	20 Feb 2025 03:03	YP\AJ	Not Ok
53	Q1383-13	PP069878.D	20 Feb 2025 03:20	YP\AJ	ReRun
54	Q1383-15	PP069879.D	20 Feb 2025 03:36	YP\AJ	Ok,M
55	Q1383-17	PP069880.D	20 Feb 2025 03:52	YP\AJ	ReRun
56	Q1383-19	PP069881.D	20 Feb 2025 04:08	YP\AJ	Ok,M
57	Q1383-21	PP069882.D	20 Feb 2025 04:24	YP\AJ	ReRun
58	Q1377-01	PP069883.D	20 Feb 2025 04:41	YP\AJ	Ok,M
59	Q1378-03	PP069884.D	20 Feb 2025 04:57	YP\AJ	Not Ok
60	AR1660CCC500	PP069885.D	20 Feb 2025 06:02	YP\AJ	Ok,M
61	AR1242CCC500	PP069886.D	20 Feb 2025 06:34	YP\AJ	Ok,M
62	AR1248CCC500	PP069887.D	20 Feb 2025 06:50	YP\AJ	Ok,M
63	AR1254CCC500	PP069888.D	20 Feb 2025 07:07	YP\AJ	Ok,M
64	I.BLK	PP069889.D	20 Feb 2025 07:23	YP\AJ	Ok,M
65	PB166785BL	PP069890.D	20 Feb 2025 07:39	YP\AJ	Ok,M
66	PB166785BS	PP069891.D	20 Feb 2025 07:55	YP\AJ	Ok,M
67	Q1389-01	PP069892.D	20 Feb 2025 08:12	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	

68	Q1389-02	PP069893.D	20 Feb 2025 08:28	YP\AJ	Ok,M
69	Q1389-03	PP069894.D	20 Feb 2025 08:44	YP\AJ	Ok,M
70	Q1389-04	PP069895.D	20 Feb 2025 09:00	YP\AJ	Ok,M
71	Q1391-01	PP069896.D	20 Feb 2025 09:16	YP\AJ	Ok,M
72	Q1391-02	PP069897.D	20 Feb 2025 09:33	YP\AJ	Ok,M
73	AR1660CCC500	PP069898.D	20 Feb 2025 10:38	YP\AJ	Ok,M
74	AR1254CCC500	PP069899.D	20 Feb 2025 10:54	YP\AJ	Ok,M
75	I.BLK	PP069900.D	20 Feb 2025 11:10	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022025

Review By	yogesh	Review On	2/21/2025 8:09:18 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:08:57 AM		
SubDirectory	PP022025	HP Acquire Method		HP Processing Method	PP012825

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	PP069901.D	20 Feb 2025 12:21	YP\AJ	Ok
2	AR1660CCC500	PP069902.D	20 Feb 2025 12:37	YP\AJ	Ok,M
3	AR1242CCC500	PP069903.D	20 Feb 2025 12:53	YP\AJ	Ok,M
4	AR1248CCC500	PP069904.D	20 Feb 2025 13:10	YP\AJ	Ok,M
5	AR1254CCC500	PP069905.D	20 Feb 2025 13:26	YP\AJ	Ok,M
6	I.BLK	PP069906.D	20 Feb 2025 13:42	YP\AJ	Ok,M
7	Q1392-01	PP069907.D	20 Feb 2025 13:59	YP\AJ	Ok,M
8	Q1393-05	PP069908.D	20 Feb 2025 14:15	YP\AJ	Ok,M
9	Q1390-01	PP069909.D	20 Feb 2025 14:31	YP\AJ	Ok,M
10	PB166799BL	PP069910.D	20 Feb 2025 14:48	YP\AJ	Ok,M
11	PB166799BS	PP069911.D	20 Feb 2025 15:04	YP\AJ	Ok,M
12	PB166799BSD	PP069912.D	20 Feb 2025 15:20	YP\AJ	Ok,M
13	PB166797BL	PP069913.D	20 Feb 2025 15:37	YP\AJ	Ok,M
14	PB166797BS	PP069914.D	20 Feb 2025 15:53	YP\AJ	Ok,M
15	Q1393-01	PP069915.D	20 Feb 2025 16:09	YP\AJ	Ok,M
16	Q1393-03	PP069916.D	20 Feb 2025 16:25	YP\AJ	Ok,M
17	AR1660CCC500	PP069917.D	20 Feb 2025 17:03	YP\AJ	Ok,M
18	AR1242CCC500	PP069918.D	20 Feb 2025 17:19	YP\AJ	Ok,M
19	AR1248CCC500	PP069919.D	20 Feb 2025 17:36	YP\AJ	Ok,M
20	AR1254CCC500	PP069920.D	20 Feb 2025 17:52	YP\AJ	Ok,M
21	I.BLK	PP069921.D	20 Feb 2025 18:08	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022025

Review By	yogesh	Review On	2/21/2025 8:09:18 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:08:57 AM		
SubDirectory	PP022025	HP Acquire Method		HP Processing Method	PP012825

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	Q1390-02	PP069922.D	20 Feb 2025 18:24	YP\AJ	Ok,M
23	Q1388-01	PP069923.D	20 Feb 2025 18:41	YP\AJ	Ok,M
24	Q1388-01MS	PP069924.D	20 Feb 2025 18:57	YP\AJ	Ok,M
25	Q1388-01MSD	PP069925.D	20 Feb 2025 19:13	YP\AJ	Ok,M
26	Q1382-01MS	PP069926.D	20 Feb 2025 19:29	YP\AJ	Ok,M
27	Q1382-01MSD	PP069927.D	20 Feb 2025 19:46	YP\AJ	Ok,M
28	Q1382-03RE	PP069928.D	20 Feb 2025 20:02	YP\AJ	Confirms
29	Q1382-05RE	PP069929.D	20 Feb 2025 20:18	YP\AJ	Confirms
30	Q1382-07RE	PP069930.D	20 Feb 2025 20:34	YP\AJ	Confirms
31	Q1382-11RE	PP069931.D	20 Feb 2025 20:50	YP\AJ	Confirms
32	AR1660CCC500	PP069932.D	20 Feb 2025 21:28	YP\AJ	Ok,M
33	AR1242CCC500	PP069933.D	20 Feb 2025 21:45	YP\AJ	Ok,M
34	AR1248CCC500	PP069934.D	20 Feb 2025 22:01	YP\AJ	Ok,M
35	AR1254CCC500	PP069935.D	20 Feb 2025 22:17	YP\AJ	Ok,M
36	I.BLK	PP069936.D	20 Feb 2025 22:33	YP\AJ	Ok,M
37	Q1382-19RE	PP069937.D	20 Feb 2025 22:49	YP\AJ	Confirms
38	Q1383-03RE	PP069938.D	20 Feb 2025 23:06	YP\AJ	Not Ok
39	Q1383-05RE	PP069939.D	20 Feb 2025 23:22	YP\AJ	Not Ok
40	Q1383-07RE	PP069940.D	20 Feb 2025 23:38	YP\AJ	Not Ok
41	Q1383-09RE	PP069941.D	20 Feb 2025 23:54	YP\AJ	Confirms
42	Q1383-13RE	PP069942.D	21 Feb 2025 00:10	YP\AJ	Confirms
43	Q1383-17RE	PP069943.D	21 Feb 2025 00:27	YP\AJ	Confirms
44	Q1383-21RE	PP069944.D	21 Feb 2025 00:43	YP\AJ	Confirms

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022025

Review By	yogesh	Review On	2/21/2025 8:09:18 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:08:57 AM		
SubDirectory	PP022025	HP Acquire Method		HP Processing Method	PP012825

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	Q1382-09	PP069945.D	21 Feb 2025 00:59	YP\AJ	Ok,M
46	Q1383-11	PP069946.D	21 Feb 2025 01:15	YP\AJ	Ok,M
47	AR1660CCC500	PP069947.D	21 Feb 2025 01:53	YP\AJ	Ok,M
48	AR1242CCC500	PP069948.D	21 Feb 2025 02:09	YP\AJ	Ok,M
49	AR1248CCC500	PP069949.D	21 Feb 2025 02:26	YP\AJ	Ok,M
50	AR1254CCC500	PP069950.D	21 Feb 2025 02:42	YP\AJ	Ok,M
51	I.BLK	PP069951.D	21 Feb 2025 02:58	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

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	PP069263.D	28 Jan 2025 09:05		YP\AJ	Ok
2	I.BLK	I.BLK	PP069264.D	28 Jan 2025 09:21		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP069265.D	28 Jan 2025 09:37		YP\AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PP069266.D	28 Jan 2025 09:54		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP069267.D	28 Jan 2025 10:10		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP069268.D	28 Jan 2025 10:26		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP069269.D	28 Jan 2025 11:15		YP\AJ	Ok
8	AR1221ICC500	AR1221ICC500	PP069270.D	28 Jan 2025 11:32		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP069271.D	28 Jan 2025 11:48		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP069272.D	28 Jan 2025 12:04		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP069273.D	28 Jan 2025 12:21		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP069274.D	28 Jan 2025 12:37		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP069275.D	28 Jan 2025 12:53		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP069276.D	28 Jan 2025 13:09		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP069277.D	28 Jan 2025 13:26		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP069278.D	28 Jan 2025 13:42		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP069279.D	28 Jan 2025 13:58		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP069280.D	28 Jan 2025 14:15		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

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	AR1248ICC050	AR1248ICC050	PP069281.D	28 Jan 2025 14:31		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP069282.D	28 Jan 2025 14:47		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP069283.D	28 Jan 2025 15:04		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PP069284.D	28 Jan 2025 15:20		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP069285.D	28 Jan 2025 15:36		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP069286.D	28 Jan 2025 15:53		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP069287.D	28 Jan 2025 16:09		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP069288.D	28 Jan 2025 16:25		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP069289.D	28 Jan 2025 16:42		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP069290.D	28 Jan 2025 16:58		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP069291.D	28 Jan 2025 17:14		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP069292.D	28 Jan 2025 17:30		YP\AJ	Ok,M
31	PP012825ICV500	ICVPP012825	PP069293.D	28 Jan 2025 17:47		YP\AJ	Ok
32	AR1242ICV500	ICVPP012825AR1242	PP069294.D	28 Jan 2025 18:03		YP\AJ	Ok
33	AR1248ICV500	ICVPP012825AR1248	PP069295.D	28 Jan 2025 18:19		YP\AJ	Ok
34	AR1254ICV500	ICVPP012825AR1254	PP069296.D	28 Jan 2025 18:36		YP\AJ	Ok
35	AR1268ICV500	ICVPP012825AR1268	PP069297.D	28 Jan 2025 18:52		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	PP069826.D	19 Feb 2025 08:10		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP069827.D	19 Feb 2025 08:26		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP069828.D	19 Feb 2025 08:47		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP069829.D	19 Feb 2025 09:03		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP069830.D	19 Feb 2025 09:19		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP069831.D	19 Feb 2025 10:11		YP\AJ	Ok,M
7	PB166749BL	PB166749BL	PP069832.D	19 Feb 2025 10:28		YP\AJ	Ok,M
8	PB166750BL	PB166750BL	PP069833.D	19 Feb 2025 10:44		YP\AJ	Ok,M
9	Q1373-02DL2	VDR25992DL2	PP069834.D	19 Feb 2025 11:01	AR1254 Hit	YP\AJ	Ok,M
10	Q1379-01	1A-1B-1C-GRAY-CAUL	PP069835.D	19 Feb 2025 11:17	TCMX high in 1st column	YP\AJ	Ok,M
11	Q1378-03	3A-3B-3C 1985 BUILD	PP069836.D	19 Feb 2025 11:33	DCB high in 2nd column,	YP\AJ	Ok,M
12	PB166770BL	PB166770BL	PP069837.D	19 Feb 2025 13:00		YP\AJ	Ok,M
13	PB166770BS	PB166770BS	PP069838.D	19 Feb 2025 13:16		YP\AJ	Ok,M
14	Q1382-01	OU4-PCS-TC-01-02172	PP069839.D	19 Feb 2025 13:32		YP\AJ	Ok,M
15	Q1382-01MS	OU4-PCS-TC-01-02172	PP069840.D	19 Feb 2025 13:48	DCB high in 2nd column, TCMX high in both column	YP\AJ	Not Ok
16	Q1382-01MSD	OU4-PCS-TC-01-02172	PP069841.D	19 Feb 2025 14:05	will be reanalzyed with MSD	YP\AJ	Not Ok
17	AR1660CCC500	AR1660CCC500	PP069842.D	19 Feb 2025 15:10		YP\AJ	Ok,M

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Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	

18	AR1242CCC500	AR1242CCC500	PP069843.D	19 Feb 2025 15:42		YP\AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PP069844.D	19 Feb 2025 15:58		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP069845.D	19 Feb 2025 16:15		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP069846.D	19 Feb 2025 16:31		YP\AJ	Ok,M
22	Q1382-03	OU4-PCS-TC-02-02172	PP069847.D	19 Feb 2025 16:47	TCMX high in both column	YP\AJ	ReRun
23	Q1382-05	OU4-PCS-TC-03-02172	PP069848.D	19 Feb 2025 17:03	AR1254 Hit, TCMX high in both column	YP\AJ	ReRun
24	Q1382-07	OU4-PCS-TC-04-02172	PP069849.D	19 Feb 2025 17:19	TCMX high in both column	YP\AJ	ReRun
25	Q1382-09	OU4-PCS-TC-05-02172	PP069850.D	19 Feb 2025 17:36	TCMX high in both column, DCB high in 1st column	YP\AJ	Not Ok
26	Q1382-11	OU4-PCS-TC-06-02172	PP069851.D	19 Feb 2025 17:52	AR1254 Hit, TCMX high in both column,	YP\AJ	ReRun
27	Q1382-13	OU4-PCS-TC-07-02172	PP069852.D	19 Feb 2025 18:08	AR1254 Hit, TCMX high in 1st column	YP\AJ	Ok,M
28	Q1382-15	OU4-PCS-TC-08-02172	PP069853.D	19 Feb 2025 18:24		YP\AJ	Ok,M
29	Q1382-17	OU4-PCS-TC-09-02172	PP069854.D	19 Feb 2025 18:40		YP\AJ	Ok,M
30	Q1382-19	OU4-PCS-TC-10-02172	PP069855.D	19 Feb 2025 18:57	TCMX high in both column	YP\AJ	ReRun
31	Q1384-01	OR-03-021823025	PP069856.D	19 Feb 2025 19:13		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP069857.D	19 Feb 2025 20:18		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP069858.D	19 Feb 2025 20:50		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP069859.D	19 Feb 2025 21:07		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP069860.D	19 Feb 2025 21:23		YP\AJ	Ok,M

Alliance TECHNICAL GROUP
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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	

36	I.BLK	I.BLK	PP069861.D	19 Feb 2025 21:39		YP\AJ	Ok,M
37	PB166774BL	PB166774BL	PP069862.D	19 Feb 2025 21:55		YP\AJ	Ok,M
38	PB166774BS	PB166774BS	PP069863.D	19 Feb 2025 22:11		YP\AJ	Ok,M
39	Q1385-01	ST-1	PP069864.D	19 Feb 2025 22:28		YP\AJ	Ok,M
40	Q1383-01	OU4-PCS-TC-11-02172	PP069865.D	19 Feb 2025 22:44	AR1254 Hit	YP\AJ	Ok,M
41	Q1383-01MS	OU4-PCS-TC-11-02172	PP069866.D	19 Feb 2025 23:00		YP\AJ	Ok,M
42	Q1383-01MSD	OU4-PCS-TC-11-02172	PP069867.D	19 Feb 2025 23:16	TCMX High in 1st column	YP\AJ	Ok,M
43	Q1383-03	OU4-PCS-TC-12-02172	PP069868.D	19 Feb 2025 23:33	AR1254 Hit, TCMX high in both column,	YP\AJ	ReRun
44	Q1383-05	OU4-PCS-TC-13-02172	PP069869.D	19 Feb 2025 23:49	TCMX high in both column	YP\AJ	ReRun
45	Q1383-07	OU4-PCS-TC-14-02172	PP069870.D	20 Feb 2025 00:05	AR1254 Hit, TCMX high in both column	YP\AJ	ReRun
46	Q1383-09	OU4-PCS-TC-15-02172	PP069871.D	20 Feb 2025 00:21	AR1254 Hit, TCMX high in both column	YP\AJ	ReRun
47	AR1660CCC500	AR1660CCC500	PP069872.D	20 Feb 2025 01:26		YP\AJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP069873.D	20 Feb 2025 01:58		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP069874.D	20 Feb 2025 02:15		YP\AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP069875.D	20 Feb 2025 02:31		YP\AJ	Ok,M
51	I.BLK	I.BLK	PP069876.D	20 Feb 2025 02:47		YP\AJ	Ok,M
52	Q1383-11	OU4-PCS-TC-16-02172	PP069877.D	20 Feb 2025 03:03	TCMX high in both column, DCB High in 1st column	YP\AJ	Not Ok
53	Q1383-13	OU4-PCS-TC-17-02172	PP069878.D	20 Feb 2025 03:20	TCMX high in both column	YP\AJ	ReRun

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	

54	Q1383-15	OU4-PCS-TC-18-02172	PP069879.D	20 Feb 2025 03:36		YP\AJ	Ok,M
55	Q1383-17	OU4-PCS-TC-19-02172	PP069880.D	20 Feb 2025 03:52	TCMX high in both column	YP\AJ	ReRun
56	Q1383-19	OU4-PCS-TC-20-02172	PP069881.D	20 Feb 2025 04:08		YP\AJ	Ok,M
57	Q1383-21	OU4-CF-15-021725	PP069882.D	20 Feb 2025 04:24	TCMX high in both column	YP\AJ	ReRun
58	Q1377-01	K-1311	PP069883.D	20 Feb 2025 04:41	TCMX high in one column	YP\AJ	Ok,M
59	Q1378-03	3A-3B-3C 1985 BUILD	PP069884.D	20 Feb 2025 04:57	already analyzed	YP\AJ	Not Ok
60	AR1660CCC500	AR1660CCC500	PP069885.D	20 Feb 2025 06:02		YP\AJ	Ok,M
61	AR1242CCC500	AR1242CCC500	PP069886.D	20 Feb 2025 06:34		YP\AJ	Ok,M
62	AR1248CCC500	AR1248CCC500	PP069887.D	20 Feb 2025 06:50		YP\AJ	Ok,M
63	AR1254CCC500	AR1254CCC500	PP069888.D	20 Feb 2025 07:07		YP\AJ	Ok,M
64	I.BLK	I.BLK	PP069889.D	20 Feb 2025 07:23		YP\AJ	Ok,M
65	PB166785BL	PB166785BL	PP069890.D	20 Feb 2025 07:39		YP\AJ	Ok,M
66	PB166785BS	PB166785BS	PP069891.D	20 Feb 2025 07:55		YP\AJ	Ok,M
67	Q1389-01	BC271336-1-1	PP069892.D	20 Feb 2025 08:12	AR1254 Hit	YP\AJ	Ok,M
68	Q1389-02	BC271336-1-2	PP069893.D	20 Feb 2025 08:28	AR1254 Hit	YP\AJ	Ok,M
69	Q1389-03	BC271336-2-1	PP069894.D	20 Feb 2025 08:44		YP\AJ	Ok,M
70	Q1389-04	BC271336-2-2	PP069895.D	20 Feb 2025 09:00		YP\AJ	Ok,M
71	Q1391-01	HIH385R-1-1	PP069896.D	20 Feb 2025 09:16	AR1254 Hit	YP\AJ	Ok,M
72	Q1391-02	HIH385R-1-2	PP069897.D	20 Feb 2025 09:33		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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	

73	AR1660CCC500	AR1660CCC500	PP069898.D	20 Feb 2025 10:38		YP\AJ	Ok,M
74	AR1254CCC500	AR1254CCC500	PP069899.D	20 Feb 2025 10:54		YP\AJ	Ok,M
75	I.BLK	I.BLK	PP069900.D	20 Feb 2025 11:10		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022025

Review By	yogesh	Review On	2/21/2025 8:09:18 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:08:57 AM		
SubDirectory	PP022025	HP Acquire Method		HP Processing Method	PP012825

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	PP069901.D	20 Feb 2025 12:21		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP069902.D	20 Feb 2025 12:37		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP069903.D	20 Feb 2025 12:53		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP069904.D	20 Feb 2025 13:10		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP069905.D	20 Feb 2025 13:26		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP069906.D	20 Feb 2025 13:42		YP\AJ	Ok,M
7	Q1392-01	435	PP069907.D	20 Feb 2025 13:59		YP\AJ	Ok,M
8	Q1393-05	PURGE-WATER-COMP	PP069908.D	20 Feb 2025 14:15		YP\AJ	Ok,M
9	Q1390-01	3771	PP069909.D	20 Feb 2025 14:31		YP\AJ	Ok,M
10	PB166799BL	PB166799BL	PP069910.D	20 Feb 2025 14:48		YP\AJ	Ok,M
11	PB166799BS	PB166799BS	PP069911.D	20 Feb 2025 15:04		YP\AJ	Ok,M
12	PB166799BSD	PB166799BSD	PP069912.D	20 Feb 2025 15:20		YP\AJ	Ok,M
13	PB166797BL	PB166797BL	PP069913.D	20 Feb 2025 15:37		YP\AJ	Ok,M
14	PB166797BS	PB166797BS	PP069914.D	20 Feb 2025 15:53		YP\AJ	Ok,M
15	Q1393-01	SOIL-COMP	PP069915.D	20 Feb 2025 16:09	AR1254 HIT	YP\AJ	Ok,M
16	Q1393-03	OD-281	PP069916.D	20 Feb 2025 16:25	AR1260 Hit	YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP069917.D	20 Feb 2025 17:03		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP069918.D	20 Feb 2025 17:19		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022025

Review By	yogesh	Review On	2/21/2025 8:09:18 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:08:57 AM		
SubDirectory	PP022025	HP Acquire Method		HP Processing Method	PP012825

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	AR1248CCC500	AR1248CCC500	PP069919.D	20 Feb 2025 17:36		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP069920.D	20 Feb 2025 17:52		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP069921.D	20 Feb 2025 18:08		YP\AJ	Ok,M
22	Q1390-02	3772	PP069922.D	20 Feb 2025 18:24		YP\AJ	Ok,M
23	Q1388-01	72-12016	PP069923.D	20 Feb 2025 18:41		YP\AJ	Ok,M
24	Q1388-01MS	72-12016MS	PP069924.D	20 Feb 2025 18:57		YP\AJ	Ok,M
25	Q1388-01MSD	72-12016MSD	PP069925.D	20 Feb 2025 19:13		YP\AJ	Ok,M
26	Q1382-01MS	OU4-PCS-TC-01-02172	PP069926.D	20 Feb 2025 19:29		YP\AJ	Ok,M
27	Q1382-01MSD	OU4-PCS-TC-01-02172	PP069927.D	20 Feb 2025 19:46		YP\AJ	Ok,M
28	Q1382-03RE	OU4-PCS-TC-02-02172	PP069928.D	20 Feb 2025 20:02	TCMX high in both column	YP\AJ	Confirms
29	Q1382-05RE	OU4-PCS-TC-03-02172	PP069929.D	20 Feb 2025 20:18	AR1254 Hit, TCMX high in both column	YP\AJ	Confirms
30	Q1382-07RE	OU4-PCS-TC-04-02172	PP069930.D	20 Feb 2025 20:34	TCMX high in both column	YP\AJ	Confirms
31	Q1382-11RE	OU4-PCS-TC-06-02172	PP069931.D	20 Feb 2025 20:50	AR1254 Hit, TCMX high in both column,	YP\AJ	Confirms
32	AR1660CCC500	AR1660CCC500	PP069932.D	20 Feb 2025 21:28		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP069933.D	20 Feb 2025 21:45		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP069934.D	20 Feb 2025 22:01		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP069935.D	20 Feb 2025 22:17		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP069936.D	20 Feb 2025 22:33		YP\AJ	Ok,M
37	Q1382-19RE	OU4-PCS-TC-10-02172	PP069937.D	20 Feb 2025 22:49	TCMX high in both column	YP\AJ	Confirms

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022025

Review By	yogesh	Review On	2/21/2025 8:09:18 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:08:57 AM		
SubDirectory	PP022025	HP Acquire Method		HP Processing Method	PP012825

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	Q1383-03RE	OU4-PCS-TC-12-02172	PP069938.D	20 Feb 2025 23:06	AR1254 Hit, DCB &TCMX high in both column	YP\AJ	Not Ok
39	Q1383-05RE	OU4-PCS-TC-13-02172	PP069939.D	20 Feb 2025 23:22	surrogate fail	YP\AJ	Not Ok
40	Q1383-07RE	OU4-PCS-TC-14-02172	PP069940.D	20 Feb 2025 23:38	AR1254 Hit, surrogate fail	YP\AJ	Not Ok
41	Q1383-09RE	OU4-PCS-TC-15-02172	PP069941.D	20 Feb 2025 23:54	TCMX high in both column , AR1254 HIT	YP\AJ	Confirms
42	Q1383-13RE	OU4-PCS-TC-17-02172	PP069942.D	21 Feb 2025 00:10	TCMX high in both column	YP\AJ	Confirms
43	Q1383-17RE	OU4-PCS-TC-19-02172	PP069943.D	21 Feb 2025 00:27	TCMX high in both column	YP\AJ	Confirms
44	Q1383-21RE	OU4-CF-15-021725RE	PP069944.D	21 Feb 2025 00:43	TCMX high in both column	YP\AJ	Confirms
45	Q1382-09	OU4-PCS-TC-05-02172	PP069945.D	21 Feb 2025 00:59		YP\AJ	Ok,M
46	Q1383-11	OU4-PCS-TC-16-02172	PP069946.D	21 Feb 2025 01:15		YP\AJ	Ok,M
47	AR1660CCC500	AR1660CCC500	PP069947.D	21 Feb 2025 01:53		YP\AJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP069948.D	21 Feb 2025 02:09		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP069949.D	21 Feb 2025 02:26		YP\AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP069950.D	21 Feb 2025 02:42		YP\AJ	Ok,M
51	I.BLK	I.BLK	PP069951.D	21 Feb 2025 02:58		YP\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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
Q1380-06	BP-VPB-192-GW-725-727	1	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-07	Q1380-06MS	2	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-08	Q1380-06MSD	3	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1382-01	OU4-PCS-TC-01-021725	4	1.15	8.56	9.71	9.02	91.9	
Q1382-03	OU4-PCS-TC-02-021725	5	1.15	8.59	9.74	9.03	91.7	
Q1382-05	OU4-PCS-TC-03-021725	6	1.15	8.56	9.71	9.06	92.4	
Q1382-07	OU4-PCS-TC-04-021725	7	1.16	8.80	9.96	9.3	92.5	
Q1382-09	OU4-PCS-TC-05-021725	8	1.16	8.65	9.81	9.12	92.0	
Q1382-11	OU4-PCS-TC-06-021725	9	1.12	8.76	9.88	9.2	92.2	
Q1382-13	OU4-PCS-TC-07-021725	10	1.11	8.67	9.78	9.1	92.2	
Q1382-15	OU4-PCS-TC-08-021725	11	1.19	8.61	9.8	9.16	92.6	
Q1382-17	OU4-PCS-TC-09-021725	12	1.14	8.66	9.8	9.16	92.6	
Q1382-19	OU4-PCS-TC-10-021725	13	1.14	8.84	9.98	9.4	93.4	
Q1383-01	OU4-PCS-TC-11-021725	14	1.17	8.74	9.91	9.26	92.6	
Q1383-03	OU4-PCS-TC-12-021725	15	1.15	8.73	9.88	9.2	92.2	
Q1383-05	OU4-PCS-TC-13-021725	16	1.12	8.76	9.88	9.22	92.5	
Q1383-07	OU4-PCS-TC-14-021725	17	1.18	8.58	9.76	9.08	92.1	
Q1383-09	OU4-PCS-TC-15-021725	18	1.13	8.77	9.9	9.24	92.5	
Q1383-11	OU4-PCS-TC-16-021725	19	1.16	8.61	9.77	9.09	92.1	
Q1383-13	OU4-PCS-TC-17-021725	20	1.19	8.58	9.77	9.03	91.4	
Q1383-15	OU4-PCS-TC-18-021725	21	1.15	8.60	9.75	9.05	91.9	
Q1383-17	OU4-PCS-TC-19-021725	22	1.15	8.84	9.99	9.29	92.1	
Q1383-19	OU4-PCS-TC-20-021725	23	1.13	8.67	9.8	9.12	92.2	
Q1383-21	OU4-CF-15-021725	24	1.16	8.50	9.66	9.02	92.5	
Q1384-01	OR-03-021823025	25	1.15	8.81	9.96	8.96	88.6	
Q1384-02	OR-03-021823025-E2	26	1.17	8.82	9.99	9.04	89.2	
Q1385-01	ST-1	27	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1385-02	ST-1-E2	28	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 134739

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1380-06	BP-VPB-192-GW-725-727	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-07	Q1380-06MS	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-08	Q1380-06MSD	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1382-01	OU4-PCS-TC-01-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-03	OU4-PCS-TC-02-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-05	OU4-PCS-TC-03-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-07	OU4-PCS-TC-04-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-09	OU4-PCS-TC-05-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-11	OU4-PCS-TC-06-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-13	OU4-PCS-TC-07-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-15	OU4-PCS-TC-08-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-17	OU4-PCS-TC-09-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-19	OU4-PCS-TC-10-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-01	OU4-PCS-TC-11-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-03	OU4-PCS-TC-12-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-05	OU4-PCS-TC-13-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-07	OU4-PCS-TC-14-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-09	OU4-PCS-TC-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-11	OU4-PCS-TC-16-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-13	OU4-PCS-TC-17-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-15	OU4-PCS-TC-18-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: TB [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 02/18/25 17:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VB1347 39

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-17	OU4-PCS-TC-19-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-19	OU4-PCS-TC-20-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-21	OU4-CF-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1384-01	OR-03-021823025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1384-02	OR-03-021823025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1385-01	ST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO
Q1385-02	ST-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO

Date/Time 02/18/25 15:00
Raw Sample Received by: JWC
Raw Sample Relinquished by:

Date/Time 02/18/25 17:00
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166770

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	02/19/2025
Matrix :	Solid			**Extraction Start Time :**	08:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/19/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24093
Surrogate	1.0ML	200 PPB	PP24123
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 /9:1	N/A	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2565
Hexane	N/A	E3877
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	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/19/25	RP (Ext. Lab)	Pest/PCB Lab
11:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166770

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 02/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166770BL	ABLK770	PCB	30.01	N/A	ritesh	Evelyn	10			U2-1
PB166770BS	ALCS770	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1382-01	OU4-PCS-TC-01-021725	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q1382-01MS	OU4-PCS-TC-01-021725MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q1382-01MSD	OU4-PCS-TC-01-021725MSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
Q1382-03	OU4-PCS-TC-02-021725	PCB	30.10	N/A	ritesh	Evelyn	10	E		6
Q1382-05	OU4-PCS-TC-03-021725	PCB	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q1382-07	OU4-PCS-TC-04-021725	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q1382-09	OU4-PCS-TC-05-021725	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q1382-11	OU4-PCS-TC-06-021725	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1382-13	OU4-PCS-TC-07-021725	PCB	30.03	N/A	ritesh	Evelyn	10	E		5
Q1382-15	OU4-PCS-TC-08-021725	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q1382-17	OU4-PCS-TC-09-021725	PCB	30.02	N/A	ritesh	Evelyn	10	E		U4-1
Q1382-19	OU4-PCS-TC-10-021725	PCB	30.07	N/A	ritesh	Evelyn	10	E		2
Q1384-01	OR-03-021823025	PCB	30.05	N/A	ritesh	Evelyn	10	D		3
Q1385-01	ST-1	PCB	30.01	N/A	ritesh	Evelyn	10	D	Concrete	4

* **Extracts relinquished on the same date as received.**

2/19/25

8:10
166770

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q1382p **WorkList ID :** 187759 **Department :** Extraction **Date :** 02-19-2025 08:01:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1382-01	OU4-PCS-TC-01-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-03	OU4-PCS-TC-02-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-05	OU4-PCS-TC-03-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-07	OU4-PCS-TC-04-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-09	OU4-PCS-TC-05-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-11	OU4-PCS-TC-06-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-13	OU4-PCS-TC-07-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-15	OU4-PCS-TC-08-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-17	OU4-PCS-TC-09-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1382-19	OU4-PCS-TC-10-021725	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1384-01	OR-03-021823025	Solid	PCB	Cool 4 deg C	NOBI03	H31	02/17/2025	8082A
Q1385-01	ST-1	Solid	PCB	Cool 4 deg C	PSEG05	N41	02/18/2025	8082A
					PSEG03	H21	02/18/2025	8082A

Date/Time 02/19/25 8:05

Raw Sample Received by: RJ (Ext Tech)

Raw Sample Relinquished by:

Date/Time 02/19/25 8:30

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Ext Tech)

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Prep Standard - Chemical Standard Summary

Order ID : Q1382

Test : PCB

Prepbatch ID : PB166770,

Sequence ID/Qc Batch ID: PP021925,PP022025,

Standard ID :

EP2565,EP2583,EP2589,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,PP24093,PP24123,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3843,E3846,E3872,E3873,E3877,M5173,P10483,P10500,P 11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W 3112,

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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	EP2583	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3872 + 8000.00000ml of E3873 = 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	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

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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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

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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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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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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	PP24093	12/20/2024	04/03/2025	Ankita Jodhani	None	None	Yogesh Patel 01/16/2025

FROM 0.50000ml of P12947 + 99.50000ml of E3843 = 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
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani 01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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)	235898	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-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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

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

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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.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

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	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

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

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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

Acetone
CMOS

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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

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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 12/5/24

E 3843

J Croak

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 12/13/24

E 3846

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 1/29/25

E3872

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 1/29/25

E 3873

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

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	02/23/2024
Lot Number	235898		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Feb/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	73
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	0.670
EVAPORATION RESIDUE	ppm	<= 1	0.3
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.64
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.16
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.06
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.002
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.380
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.

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
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0163157

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,007.0 µg/mL	+/- 5.8683	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.9082	µg/mL	Unstressed
	Purity ----%			+/- 41.6868	µg/mL	Stressed
2	Aroclor 1260		1,008.0 µg/mL	+/- 5.8741	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.9399	µg/mL	Unstressed
	Purity ----%			+/- 41.7282	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10476
&
P10480

AR
02/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

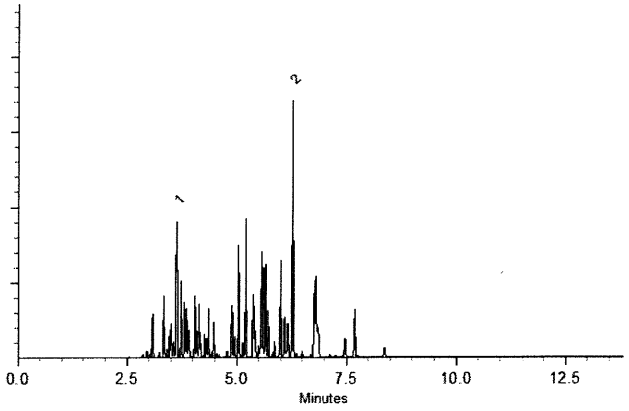
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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)

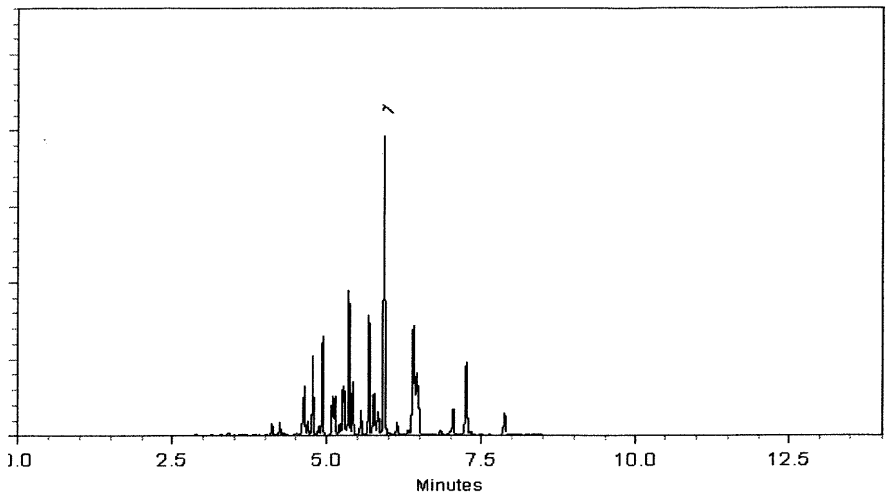
Carrier Gas:
helium-constant pressure 20 psi.

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 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.

P11533 + P11537

AJ 02/21/22

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1248 Standard	**Lot Number:**	0006626997
Product Number:	PP-342-1	**Lot Issue Date:**	17-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2025

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508 ↓ P11512 AJ 12/21/22

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

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

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ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

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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. : 32007 **Lot No.:** A0175456

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11578 ↓ P 11582 (S)

AR 04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

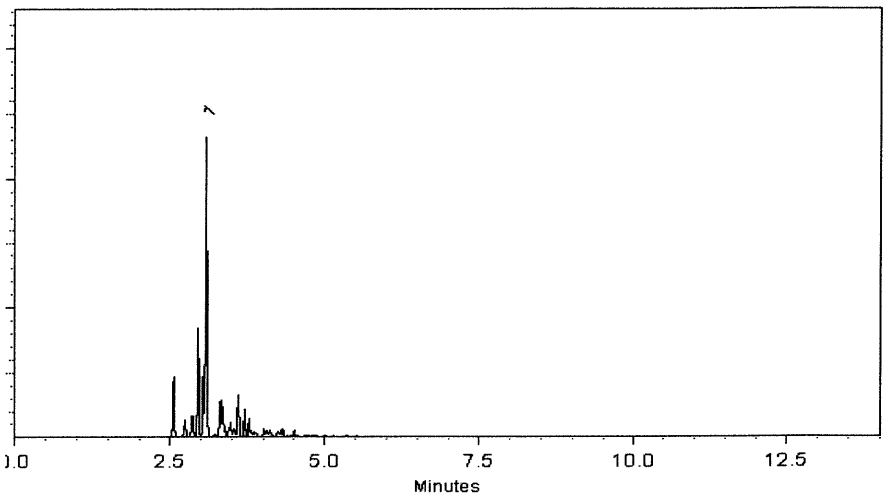
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - 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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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)

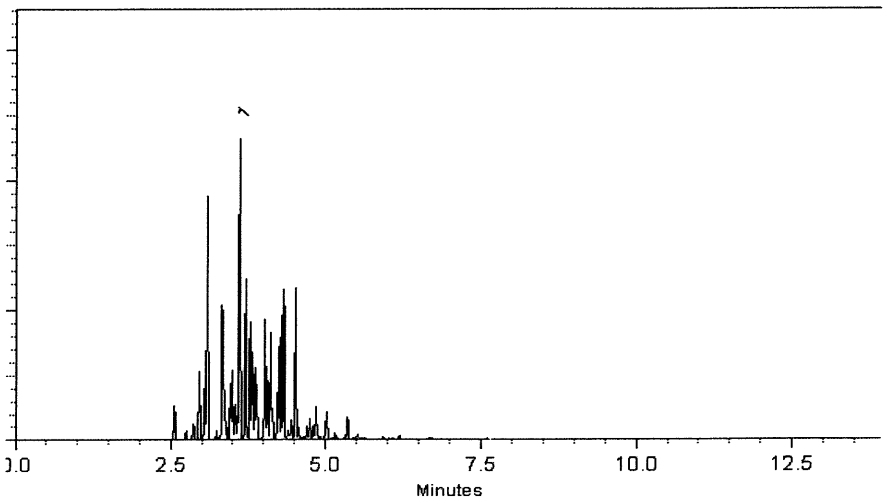
Carrier Gas:
helium-constant pressure 20 psi.

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437	µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284	µg/mL	Unstressed
	Purity ----%		+/- 41.4406	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588 ↓ P11592 | 5

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

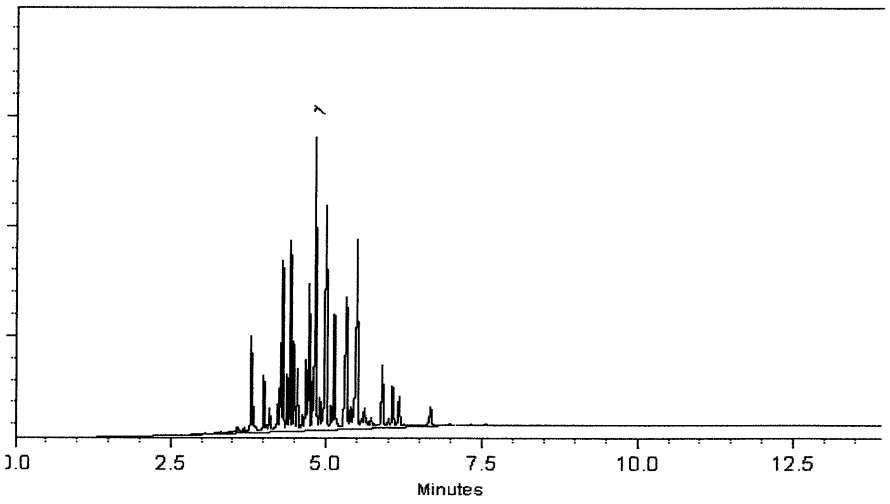
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11588 | (5)
1
P11592

AR
04/30/22

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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)

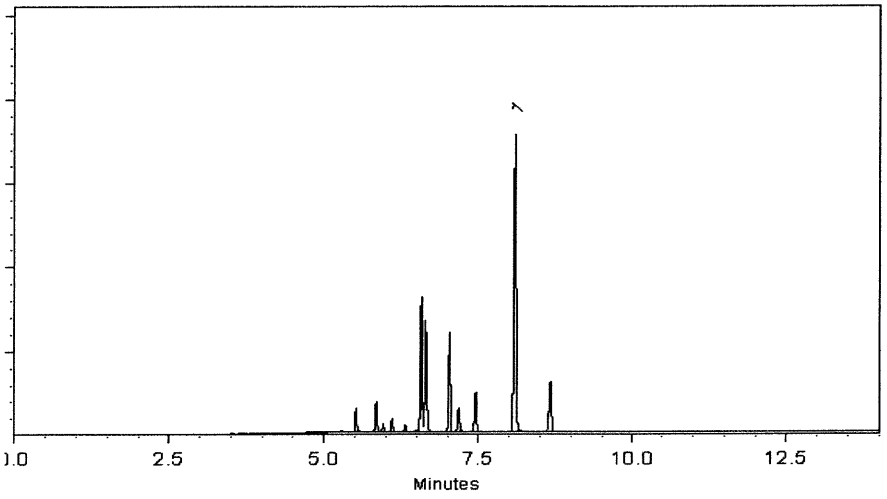
Carrier Gas:
helium-constant pressure 20 psi.

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(
Aceton

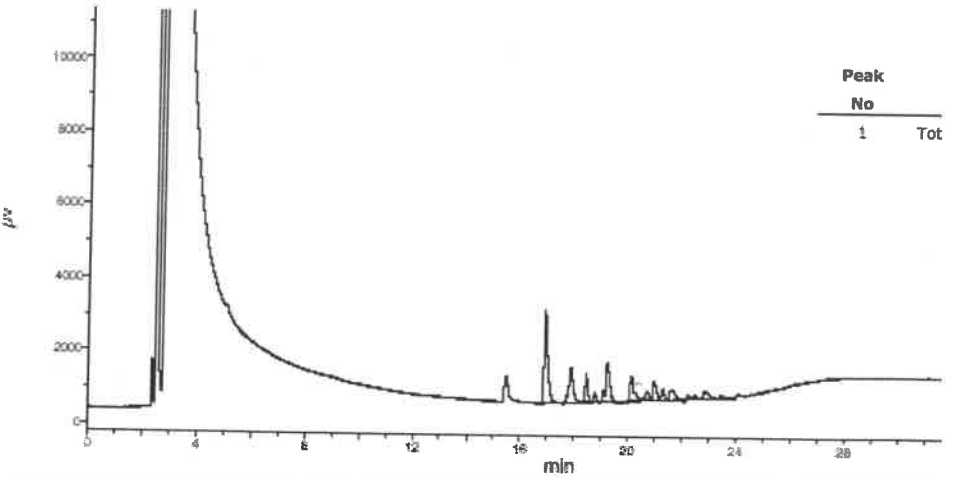
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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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
↓
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.)

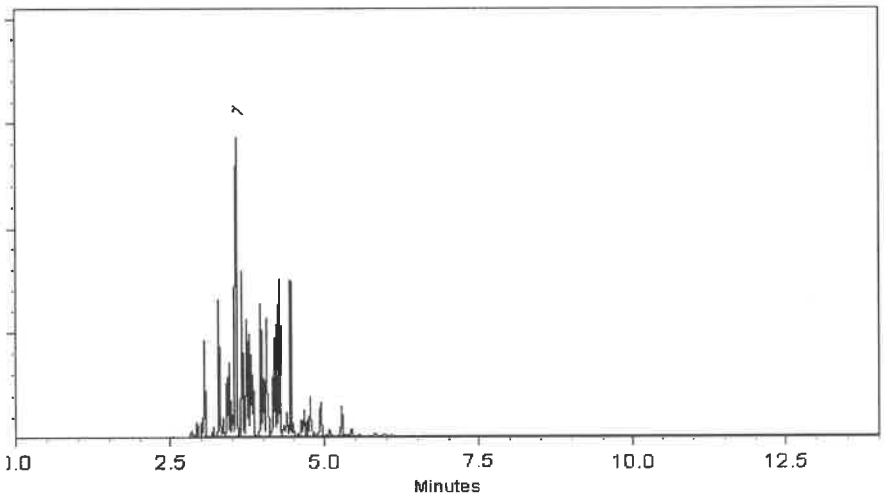
Inj. Temp:
250°C

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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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.)

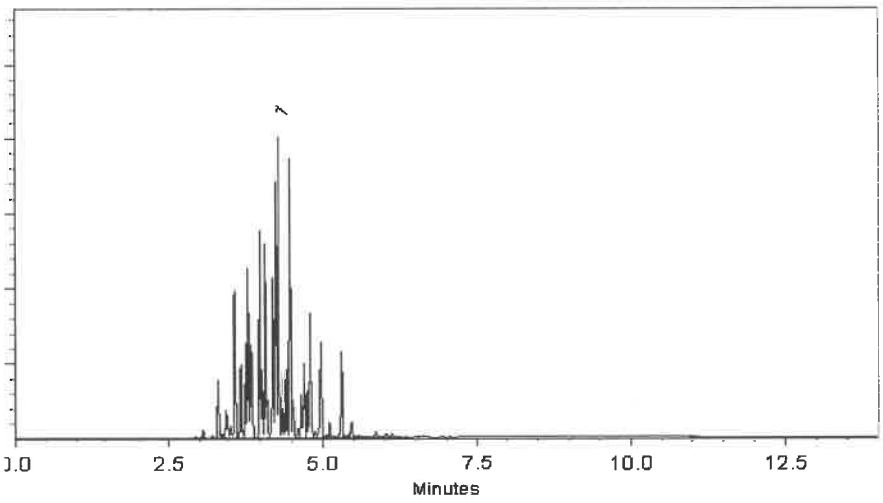
Inj. Temp:
250°C

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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Certificate #FM 80397

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AR-1539 Certificate Number
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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

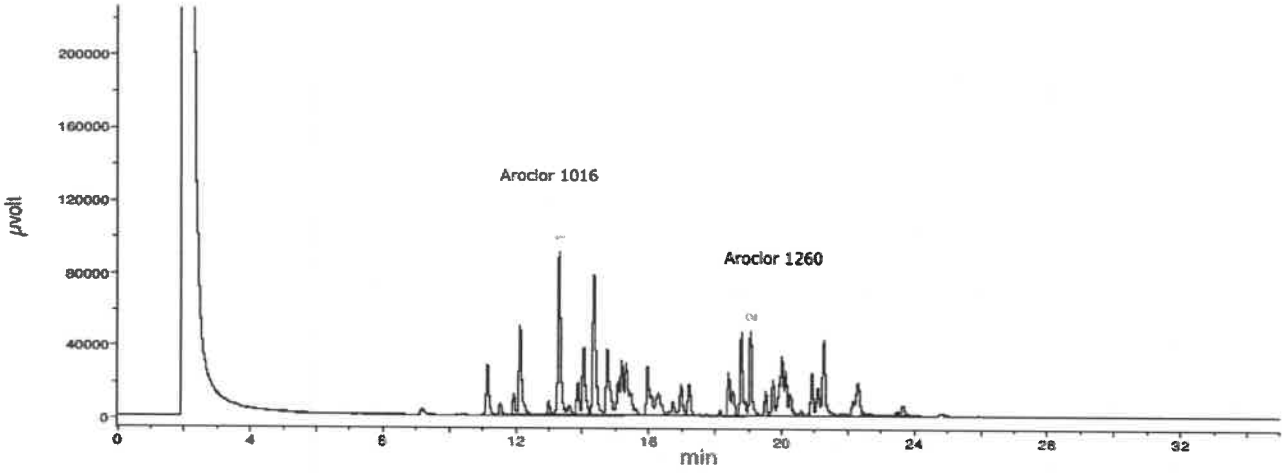
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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Certified Reference Material CRM

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y.P. 12/20/23

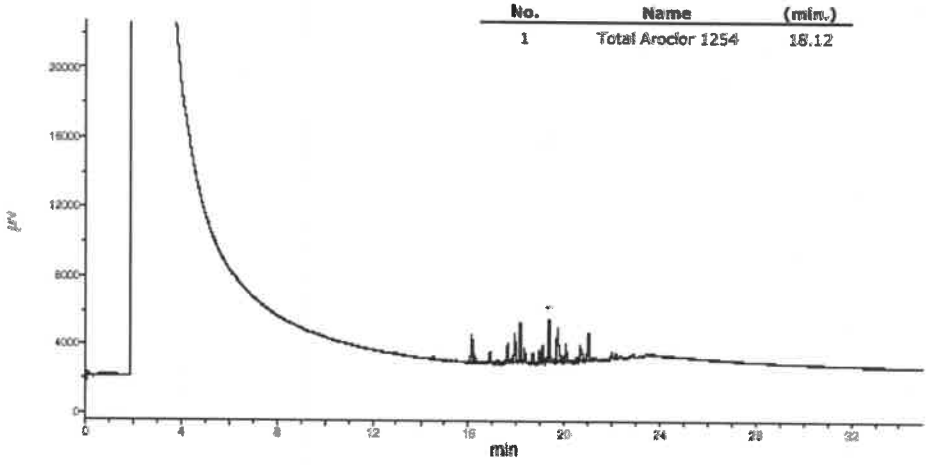
Note: Aroclor 1254 is a mix of isomers.

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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 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 ± 0.005 Flask Uncertainty

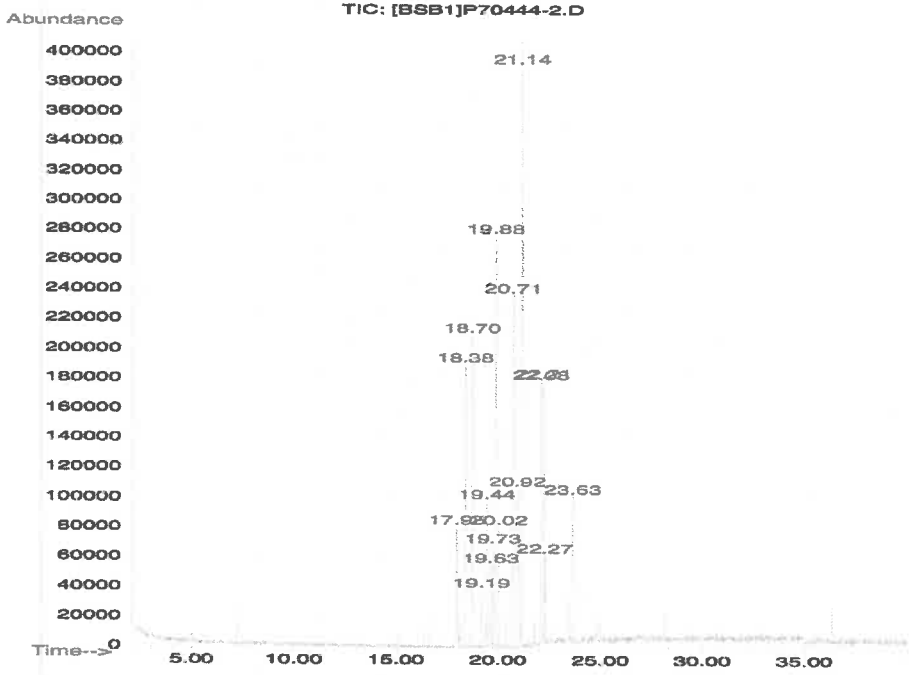
5E-05 Balance Uncertainty

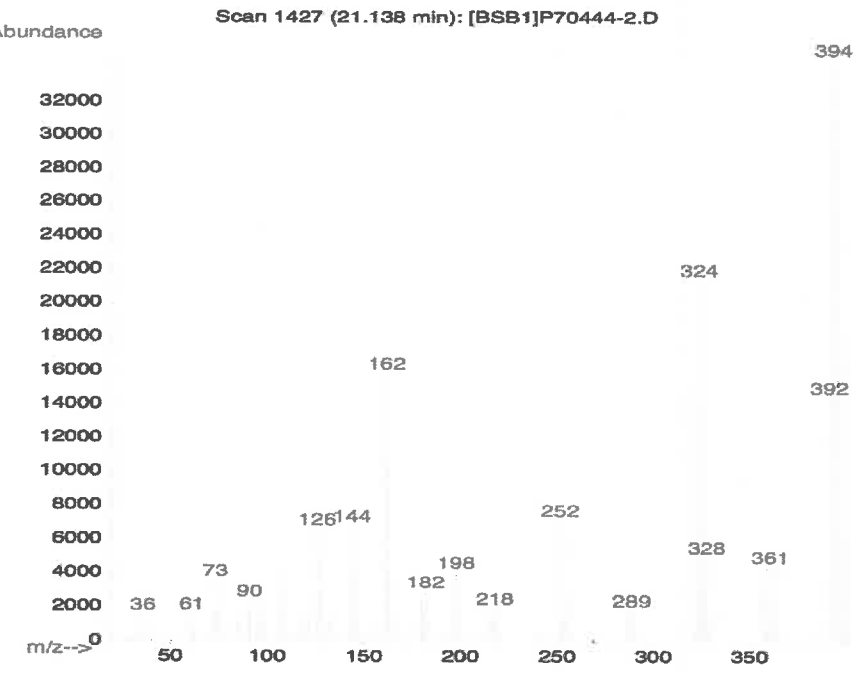
Formulated By: Prashant Chauhan	112322 DATE
Reviewed By: Pedro L. Rentas	112322 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P. 12/21/23





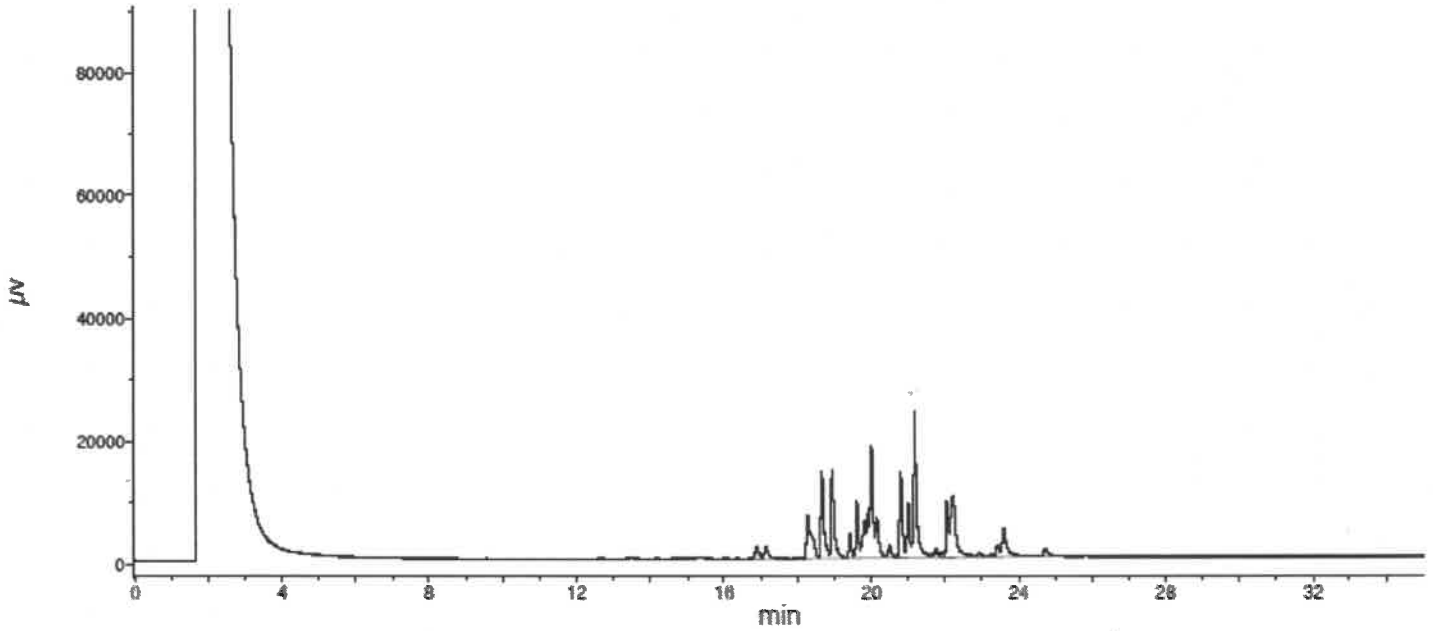
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 → P13357 (10)

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

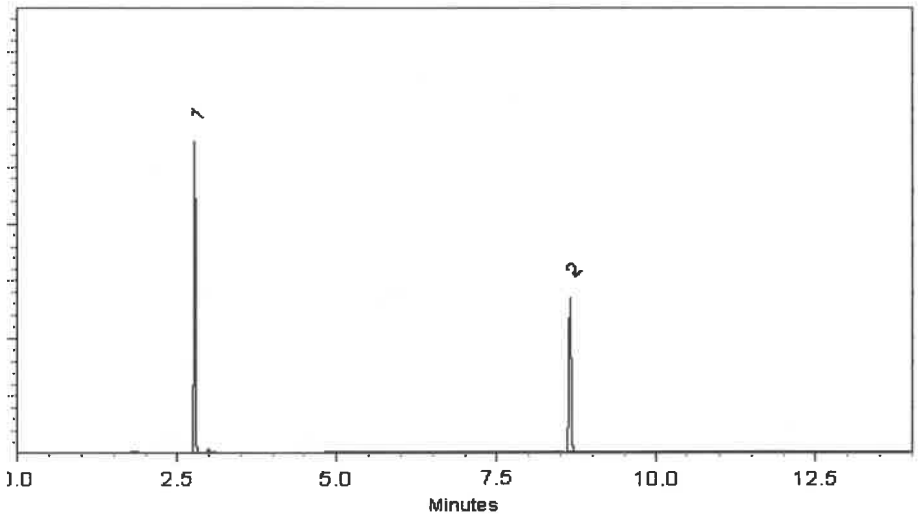
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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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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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

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Quality Confirmation Test

Column:
30m x .25mm x .2um
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Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

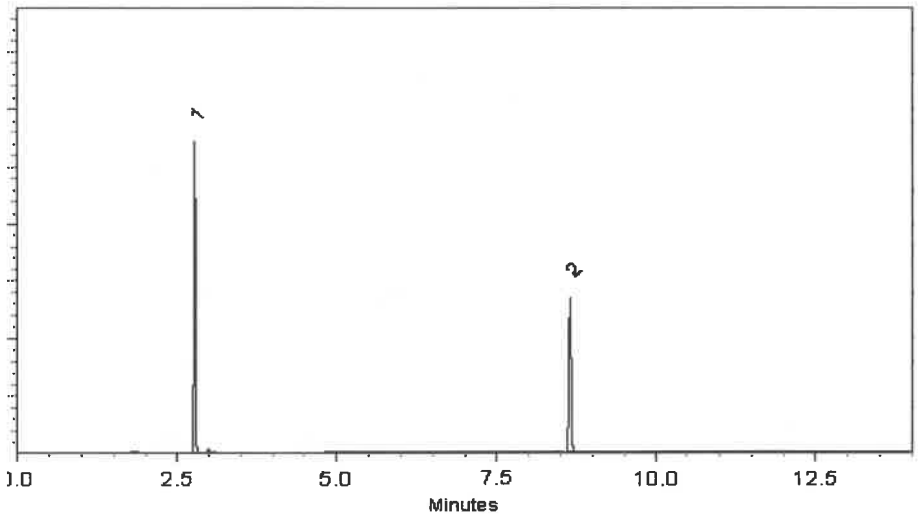
Inj. Temp:
250°C

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)

↓

P13357

04/25/2025

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Mar-2032

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3	±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
↓
P133f3

AJ
05106124

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois

QMS Representative

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

SHIPPING DOCUMENTS

Q1382

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page __1__ of __2__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-PCS-TC-01-021725	2/17/25	8:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-02-021725	2/17/25	8:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-03-021725	2/17/25	8:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-04-021725	2/17/25	8:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-05-021725	2/17/25	8:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-06-021725	2/17/25	8:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-07-021725	2/17/25	9:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-08-021725	2/17/25	9:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-09-021725	2/17/25	9:10	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-10-021725	2/17/25	9:15	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 2/17/25 1200
Received by: (signature)	Date/Time: 2-18-25 1025
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:
If Cont 1
3.1°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1382 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 2/18/2025 10:57:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 2/18/2025 10:25:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1382-01	OU4-PCS-TC-01-021725	Solid	02/17/2025	08:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-03	OU4-PCS-TC-02-021725	Solid	02/17/2025	08:35					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-05	OU4-PCS-TC-03-021725	Solid	02/17/2025	08:40					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-07	OU4-PCS-TC-04-021725	Solid	02/17/2025	08:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-09	OU4-PCS-TC-05-021725	Solid	02/17/2025	08:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-11	OU4-PCS-TC-06-021725	Solid	02/17/2025	08:55					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-13	OU4-PCS-TC-07-021725	Solid	02/17/2025	09:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-15	OU4-PCS-TC-08-021725	Solid	02/17/2025	09:05					

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

LOGIN REPORT/SAMPLE TRANSFER

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Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

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Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-17	OU4-PCS-TC-09-021725	Solid	02/17/2025	09:10					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-19	OU4-PCS-TC-10-021725	Solid	02/17/2025	09:15					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By : _____
Date / Time : 2-18-25 1245

Received By : _____
Date / Time : 02/18/25

Storage Area : **VOA Refridgerator Room**

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:37
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: Jan 28 10:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.537	3.841	143.0E6	93147739	96.885	101.139
2)	SA Decachlor...	10.279	8.911	106.9E6	108.2E6	95.517	98.966
	Target Compounds						
3)	L1 AR-1016-1	5.691	4.934	44563885	31633685	950.609	971.631
4)	L1 AR-1016-2	5.712	4.953	66115347	44031797	966.786	967.963
5)	L1 AR-1016-3	5.775	5.131	39869399	24261336	946.084	973.363
6)	L1 AR-1016-4	5.872	5.172	33707176	19438184	957.224	961.363
7)	L1 AR-1016-5	6.166	5.388	32090736	25297814	955.618	965.361
31)	L7 AR-1260-1	7.286	6.428	55810838	45562804	952.907	961.155
32)	L7 AR-1260-2	7.540	6.616	71849008	56383179	954.186	948.637
33)	L7 AR-1260-3	7.899	6.771	59639386	52562549	962.013	960.087
34)	L7 AR-1260-4	8.124	7.244	61734973	44924385	955.078	971.004
35)	L7 AR-1260-5	8.445	7.484	125.1E6	110.5E6	959.591	990.648

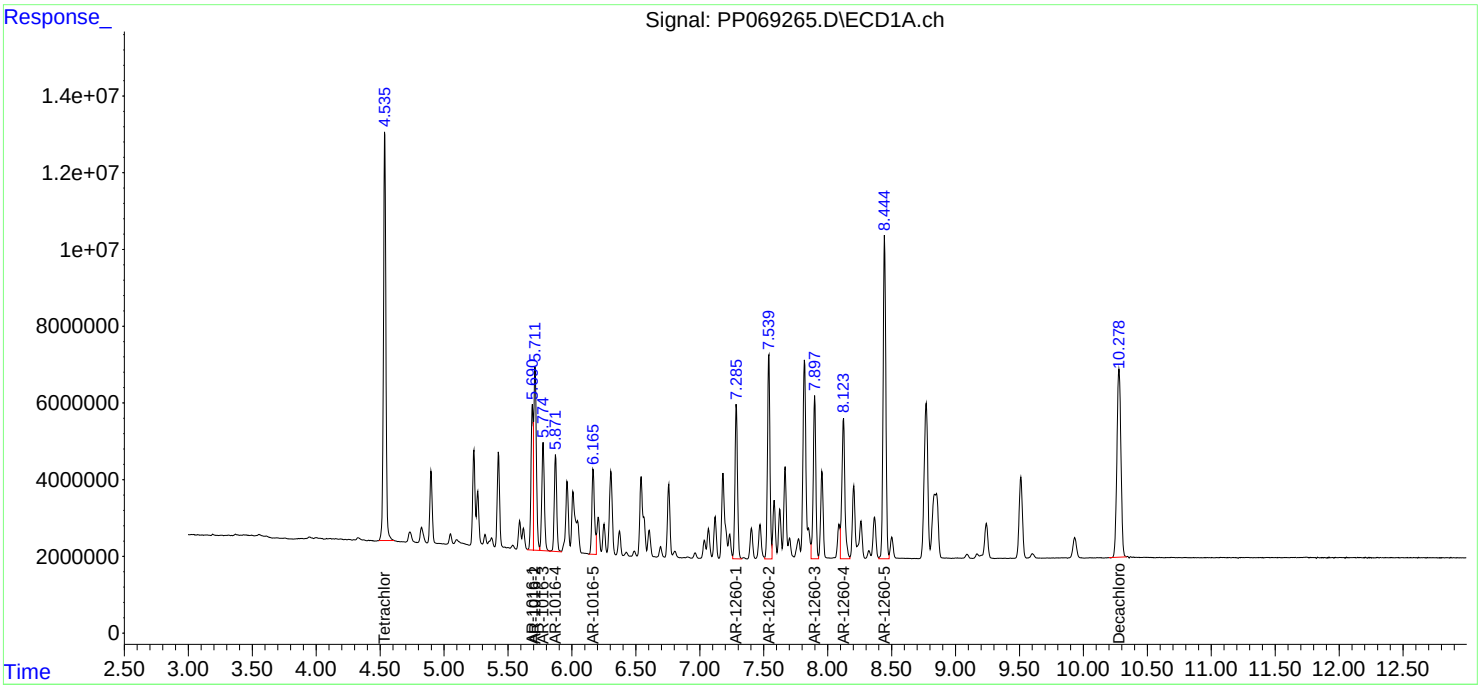
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

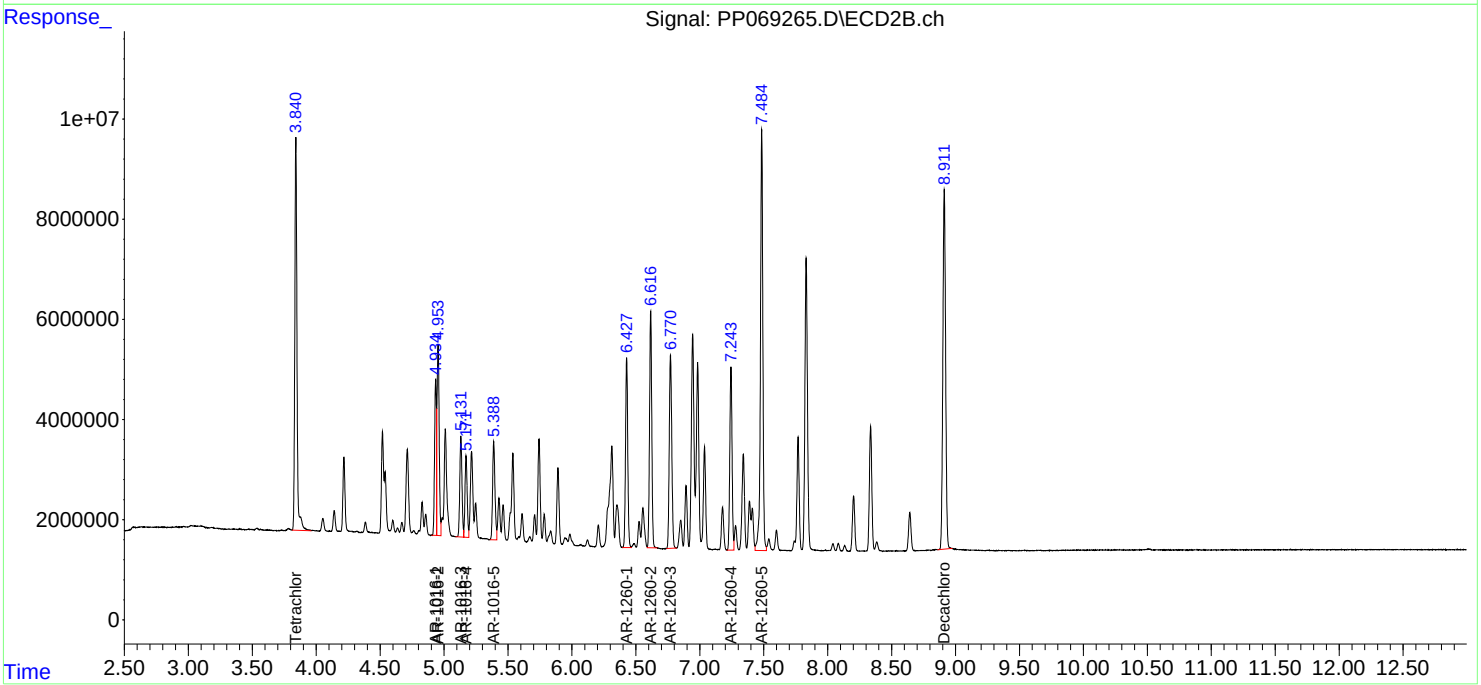
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:37
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

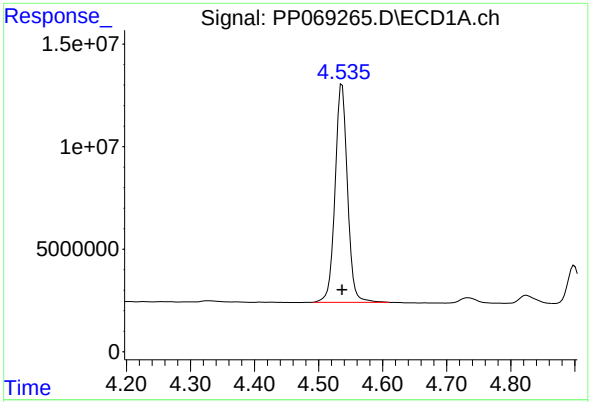
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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



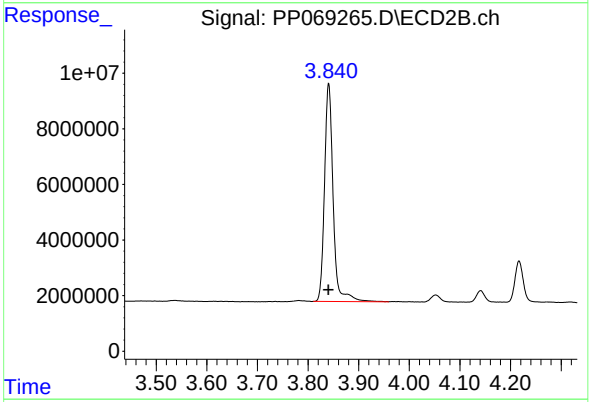




#1 Tetrachloro-m-xylene

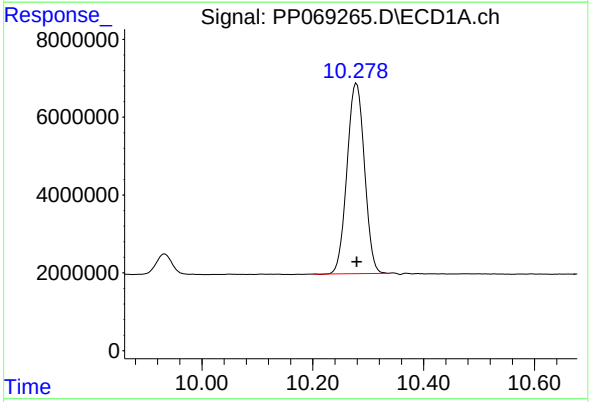
R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 143047326
Conc: 96.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



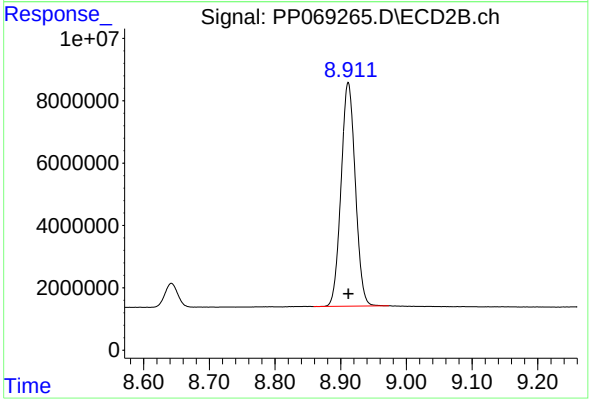
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 93147739
Conc: 101.14 ng/ml



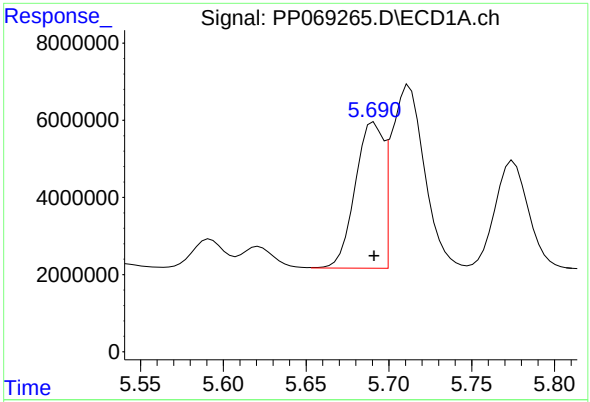
#2 Decachlorobiphenyl

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 106916616
Conc: 95.52 ng/ml



#2 Decachlorobiphenyl

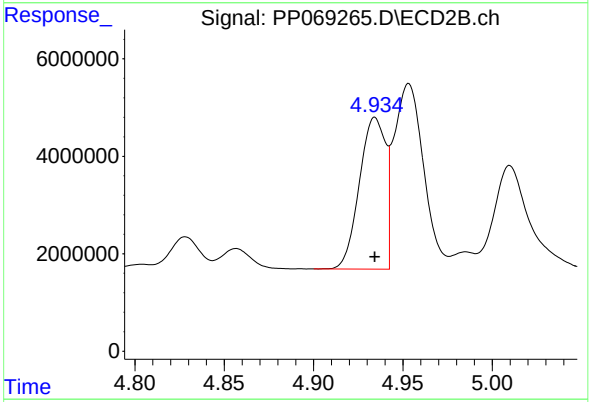
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 108164874
Conc: 98.97 ng/ml



#3 AR-1016-1

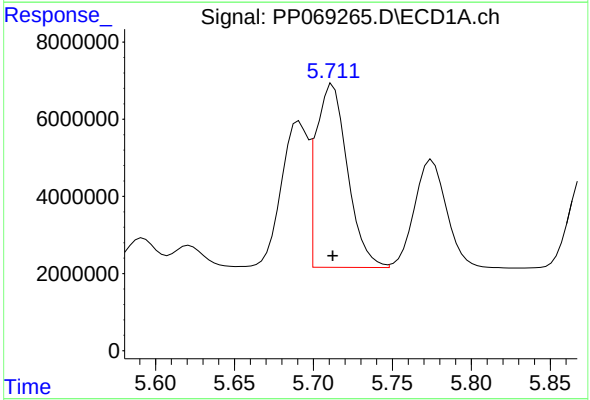
R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 44563885
Conc: 950.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



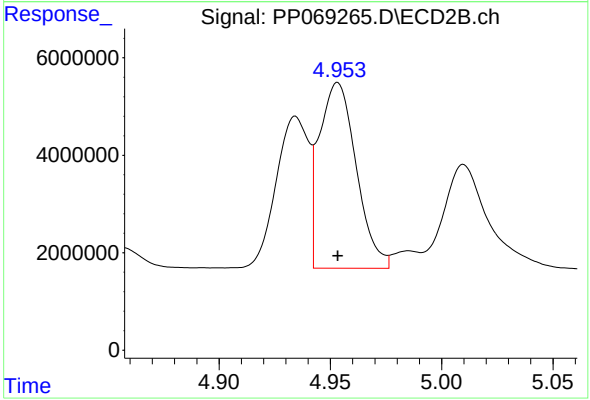
#3 AR-1016-1

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 31633685
Conc: 971.63 ng/ml



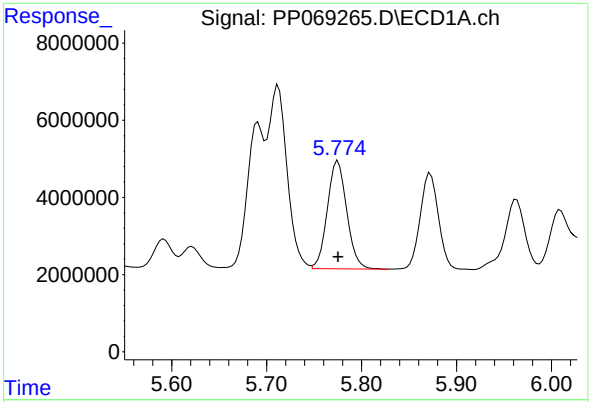
#4 AR-1016-2

R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 66115347
Conc: 966.79 ng/ml



#4 AR-1016-2

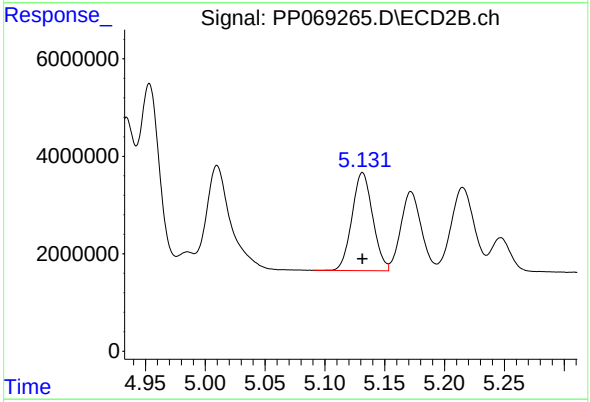
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 44031797
Conc: 967.96 ng/ml



#5 AR-1016-3

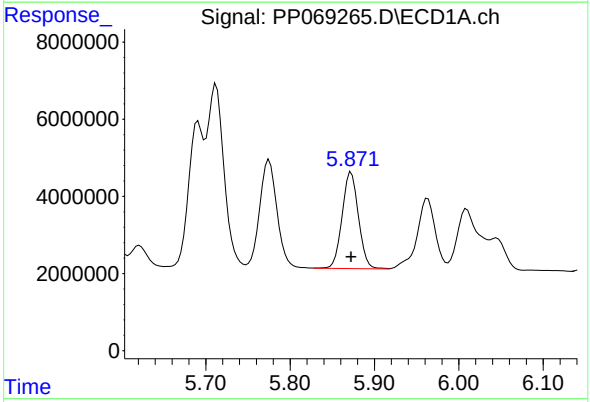
R.T.: 5.775 min
Delta R.T.: 0.000 min
Response: 39869399
Conc: 946.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



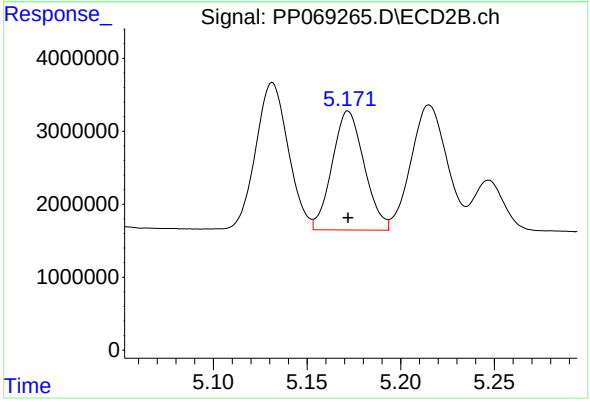
#5 AR-1016-3

R.T.: 5.131 min
Delta R.T.: 0.000 min
Response: 24261336
Conc: 973.36 ng/ml



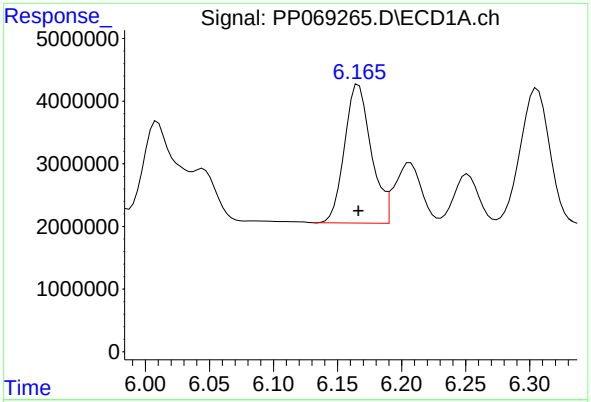
#6 AR-1016-4

R.T.: 5.872 min
Delta R.T.: 0.000 min
Response: 33707176
Conc: 957.22 ng/ml



#6 AR-1016-4

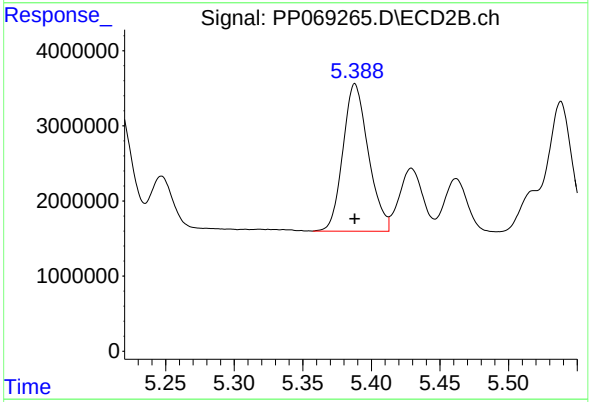
R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 19438184
Conc: 961.36 ng/ml



#7 AR-1016-5

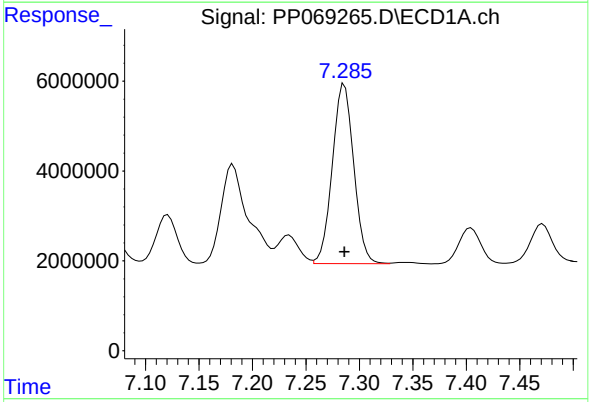
R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 32090736
Conc: 955.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



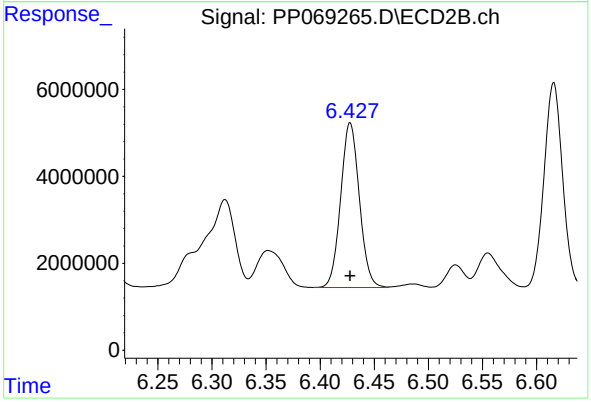
#7 AR-1016-5

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 25297814
Conc: 965.36 ng/ml



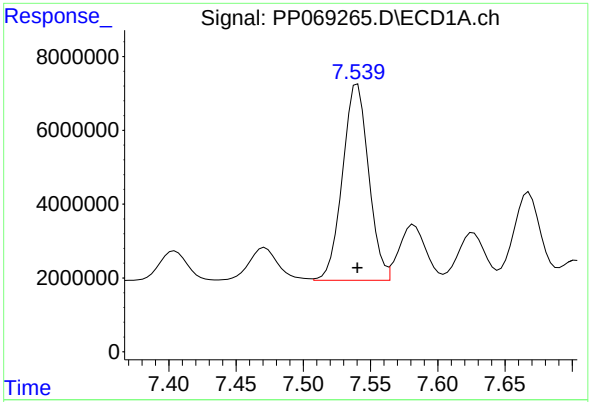
#31 AR-1260-1

R.T.: 7.286 min
Delta R.T.: 0.000 min
Response: 55810838
Conc: 952.91 ng/ml



#31 AR-1260-1

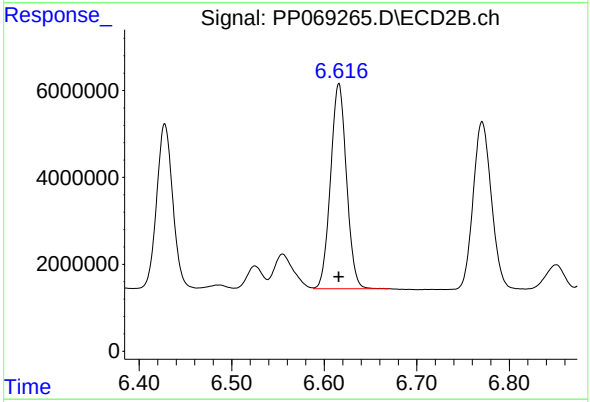
R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 45562804
Conc: 961.15 ng/ml



#32 AR-1260-2

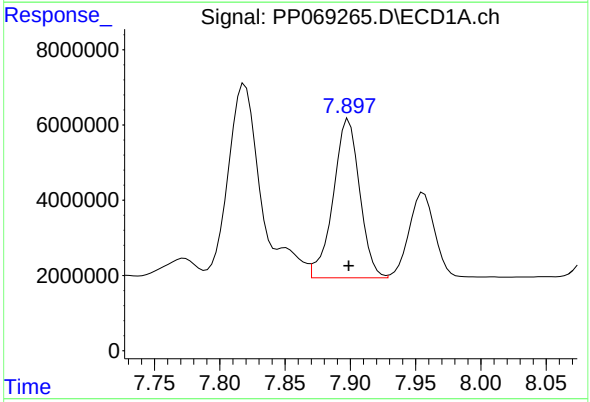
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 71849008
Conc: 954.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



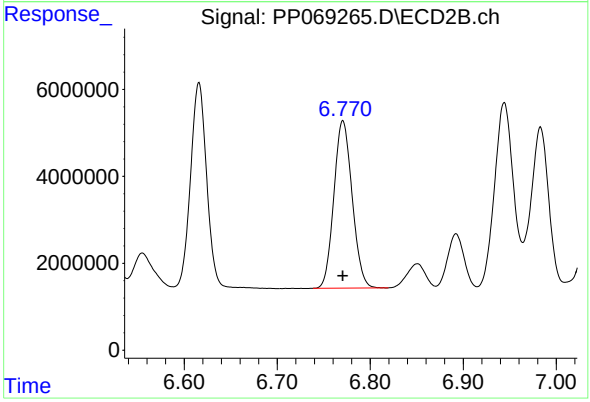
#32 AR-1260-2

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 56383179
Conc: 948.64 ng/ml



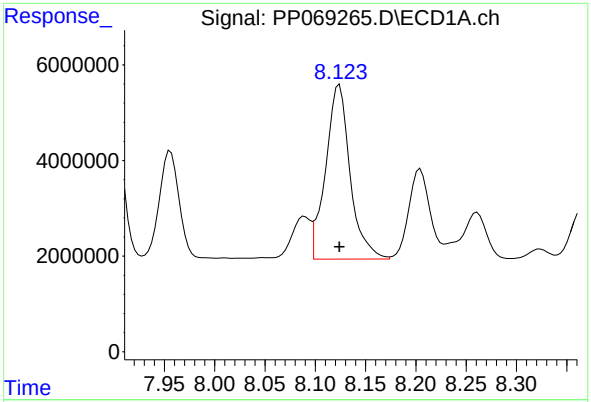
#33 AR-1260-3

R.T.: 7.899 min
Delta R.T.: 0.000 min
Response: 59639386
Conc: 962.01 ng/ml



#33 AR-1260-3

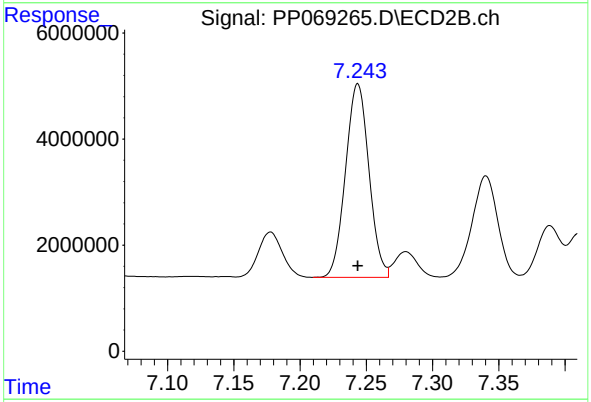
R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 52562549
Conc: 960.09 ng/ml



#34 AR-1260-4

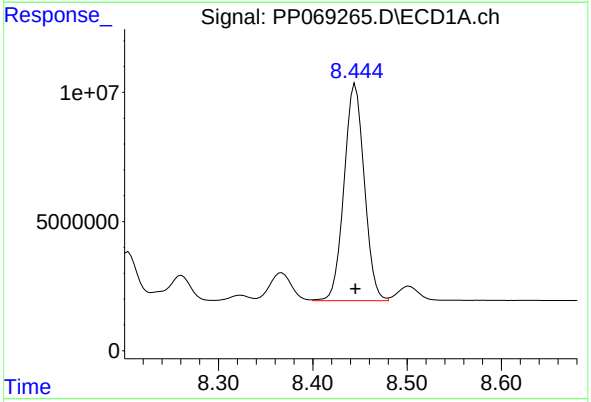
R.T.: 8.124 min
Delta R.T.: 0.000 min
Response: 61734973
Conc: 955.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



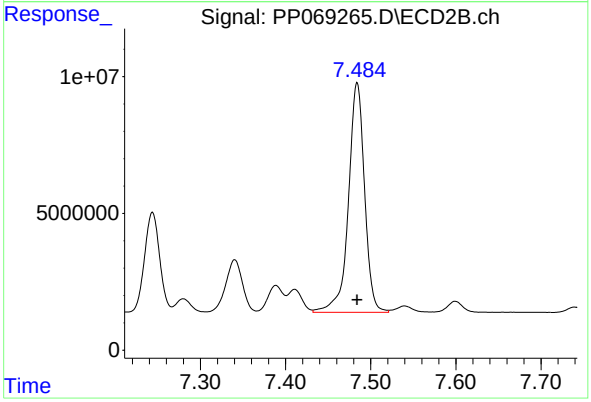
#34 AR-1260-4

R.T.: 7.244 min
Delta R.T.: 0.000 min
Response: 44924385
Conc: 971.00 ng/ml



#35 AR-1260-5

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 125094433
Conc: 959.59 ng/ml



#35 AR-1260-5

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 110513786
Conc: 990.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:15
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:47:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.535	3.840	38900473	25359775	26.336	26.416
2)	SA Decachlor...	10.277	8.911	29432874	30058024	26.677	28.164
	Target Compounds						
21)	L5 AR-1248-1	5.689	4.933	9122332	6315546	281.174	278.735
22)	L5 AR-1248-2	5.962	5.171	11494735	8502337	270.029	282.333
23)	L5 AR-1248-3	6.165	5.214	12315718	8710002	263.285	279.197
24)	L5 AR-1248-4	6.564	5.387	16222923	10295186	288.362	277.163
25)	L5 AR-1248-5	6.603	5.783	16372924	10509480	304.616	277.028

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

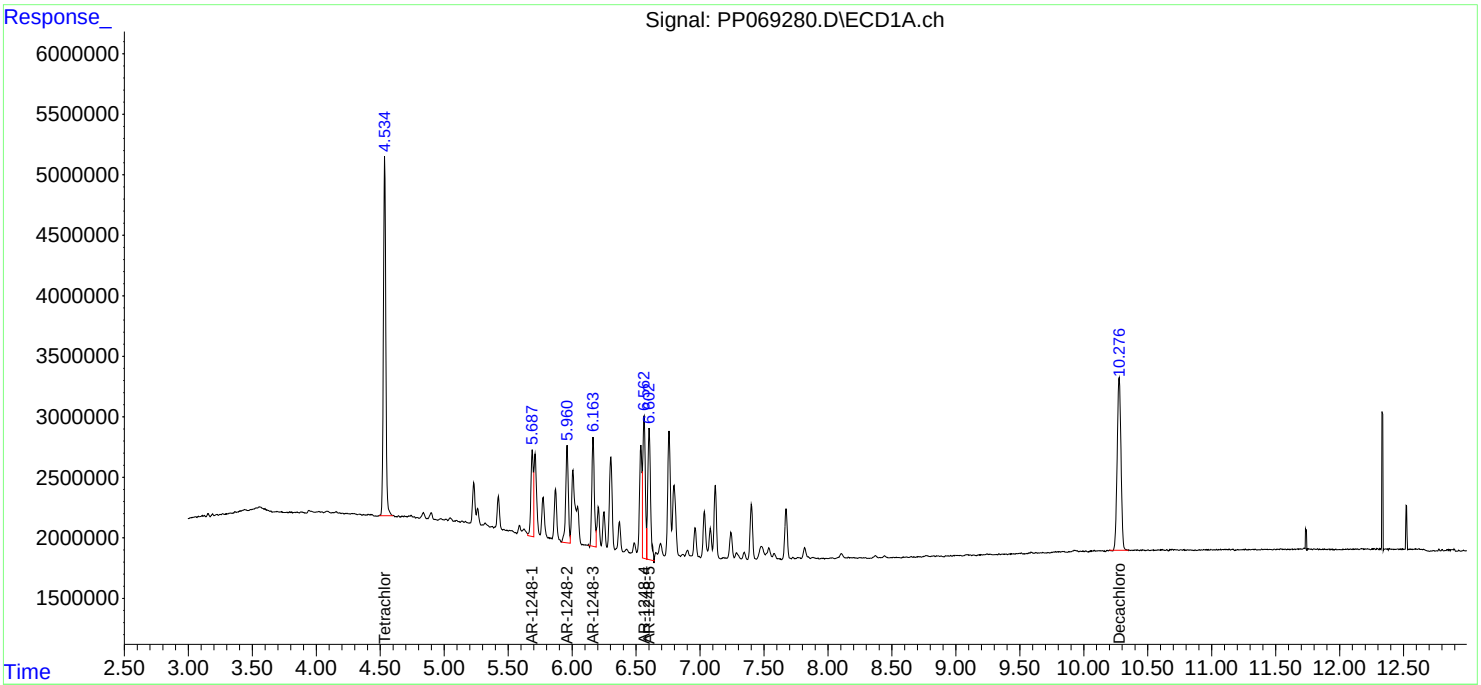
Quantitation Report (Not Reviewed)

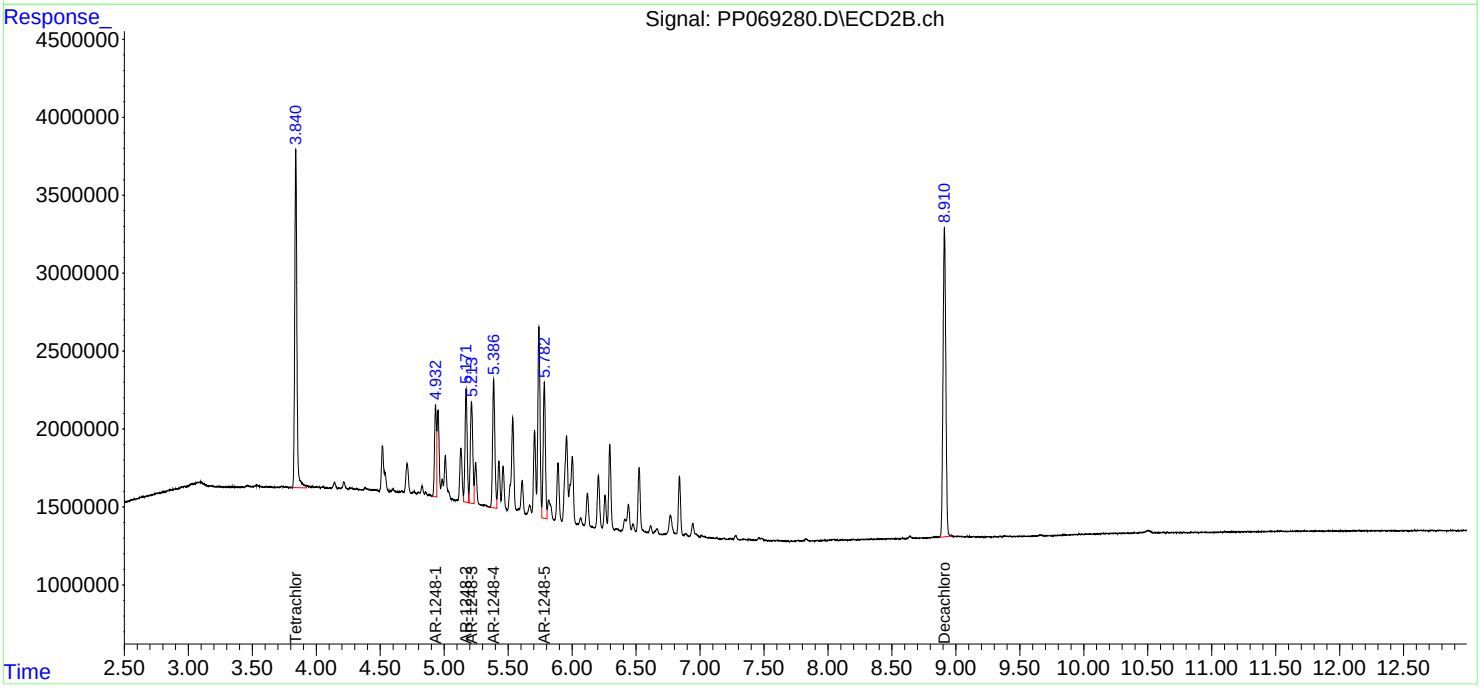
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:15
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

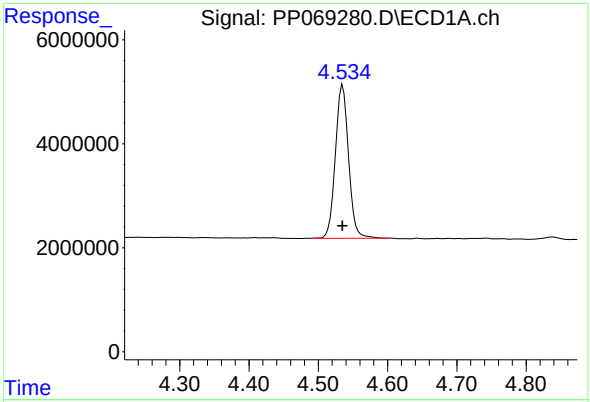
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:47:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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



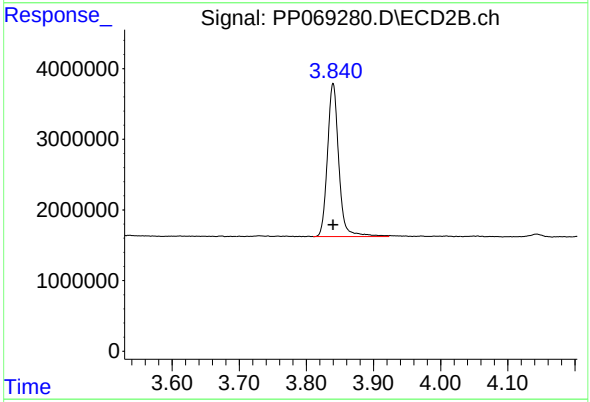




#1 Tetrachloro-m-xylene

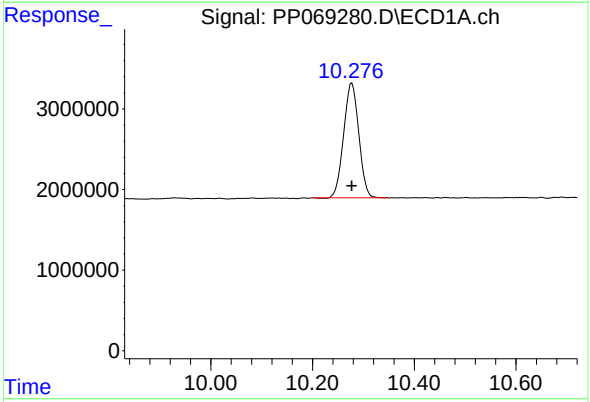
R.T.: 4.535 min
Delta R.T.: 0.000 min
Response: 38900473
Conc: 26.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



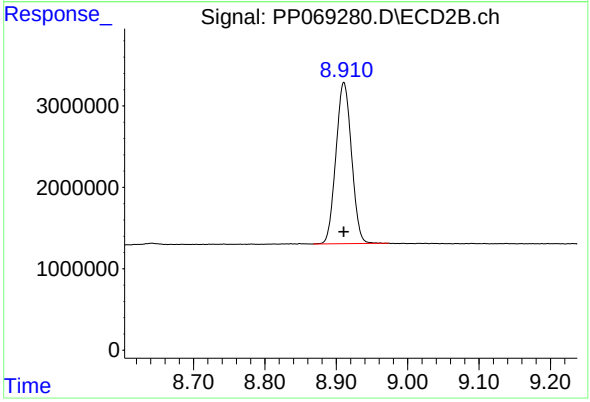
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 25359775
Conc: 26.42 ng/ml



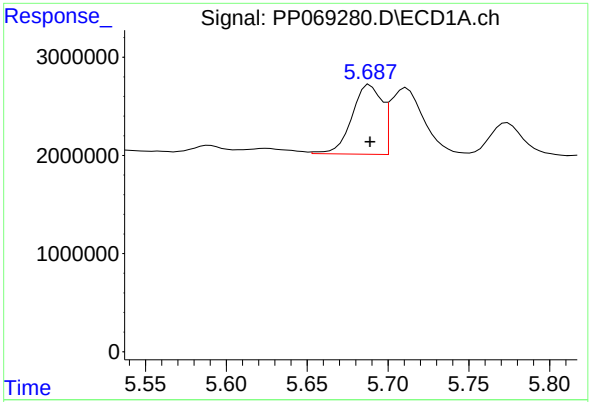
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 29432874
Conc: 26.68 ng/ml



#2 Decachlorobiphenyl

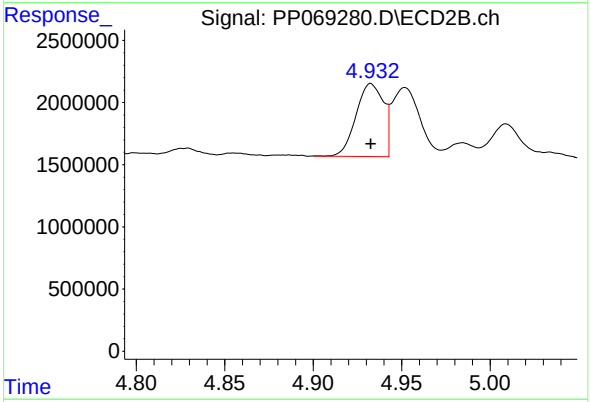
R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 30058024
Conc: 28.16 ng/ml



#21 AR-1248-1

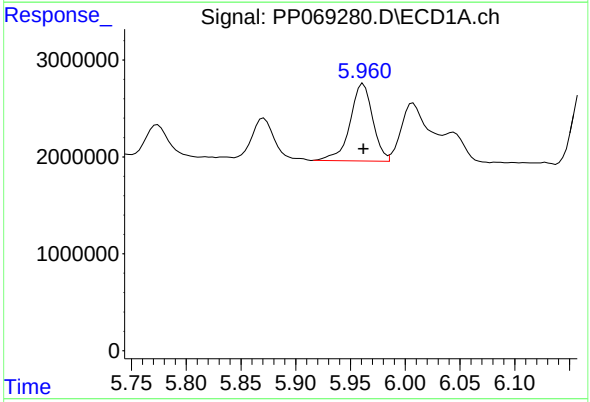
R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 9122332
Conc: 281.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



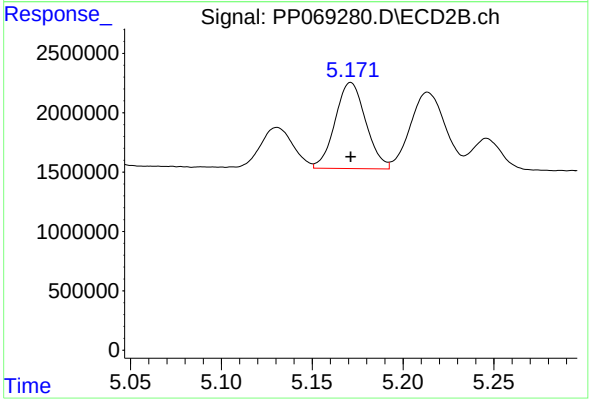
#21 AR-1248-1

R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 6315546
Conc: 278.73 ng/ml



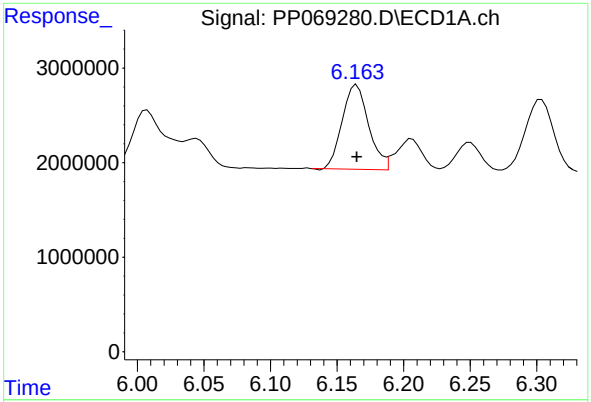
#22 AR-1248-2

R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 11494735
Conc: 270.03 ng/ml



#22 AR-1248-2

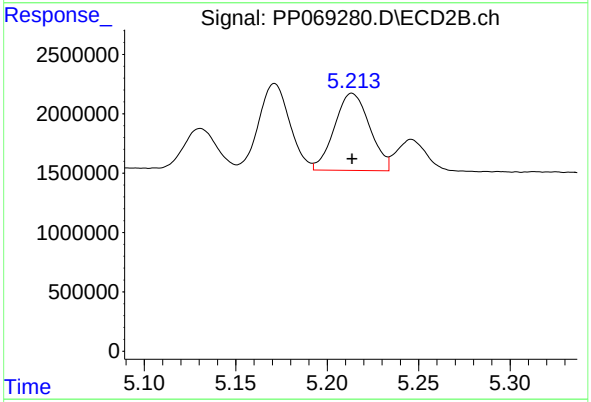
R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 8502337
Conc: 282.33 ng/ml



#23 AR-1248-3

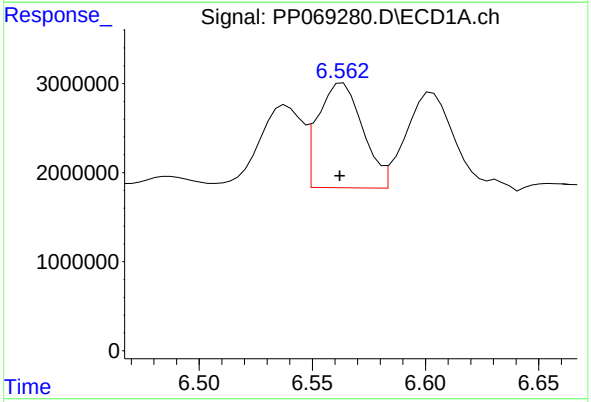
R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 12315718
Conc: 263.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



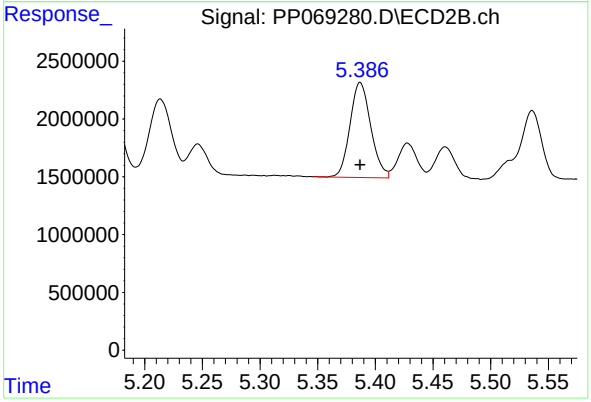
#23 AR-1248-3

R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 8710002
Conc: 279.20 ng/ml



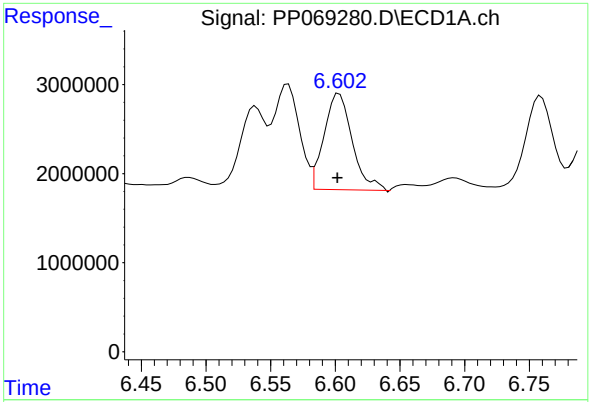
#24 AR-1248-4

R.T.: 6.564 min
Delta R.T.: 0.001 min
Response: 16222923
Conc: 288.36 ng/ml



#24 AR-1248-4

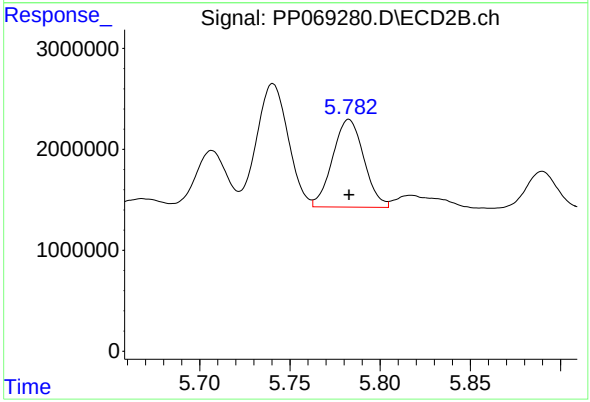
R.T.: 5.387 min
Delta R.T.: 0.000 min
Response: 10295186
Conc: 277.16 ng/ml



#25 AR-1248-5

R.T.: 6.603 min
Delta R.T.: 0.001 min
Response: 16372924
Conc: 304.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 10509480
Conc: 277.03 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:53
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:04:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:04:22 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...	4.538	3.841	5786281	4091392	4.049	4.382
2)	SA Decachlor...	10.277	8.912	4792685	5691534	4.413	4.993
	Target Compounds						
26)	L6 AR-1254-1	6.544	5.742	3716378	2628819	65.303	47.748 #
27)	L6 AR-1254-2	6.759	5.891	3901432	2408006	48.621	49.784
28)	L6 AR-1254-3	7.122	6.297	4219753	3542972	50.063	46.682
29)	L6 AR-1254-4	7.405	6.525	3314077	2474657	48.602	48.286
30)	L6 AR-1254-5	7.823	6.944	3170800	2933240	46.598	44.069

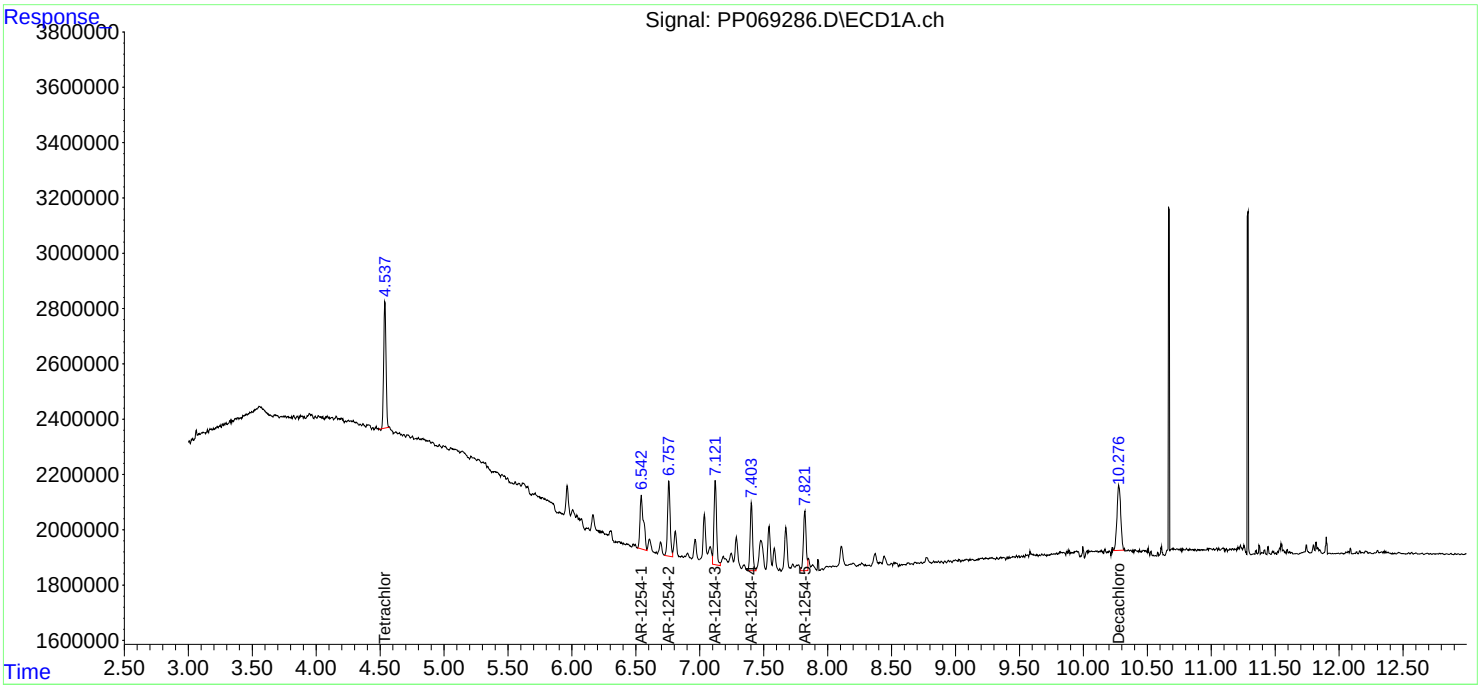
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

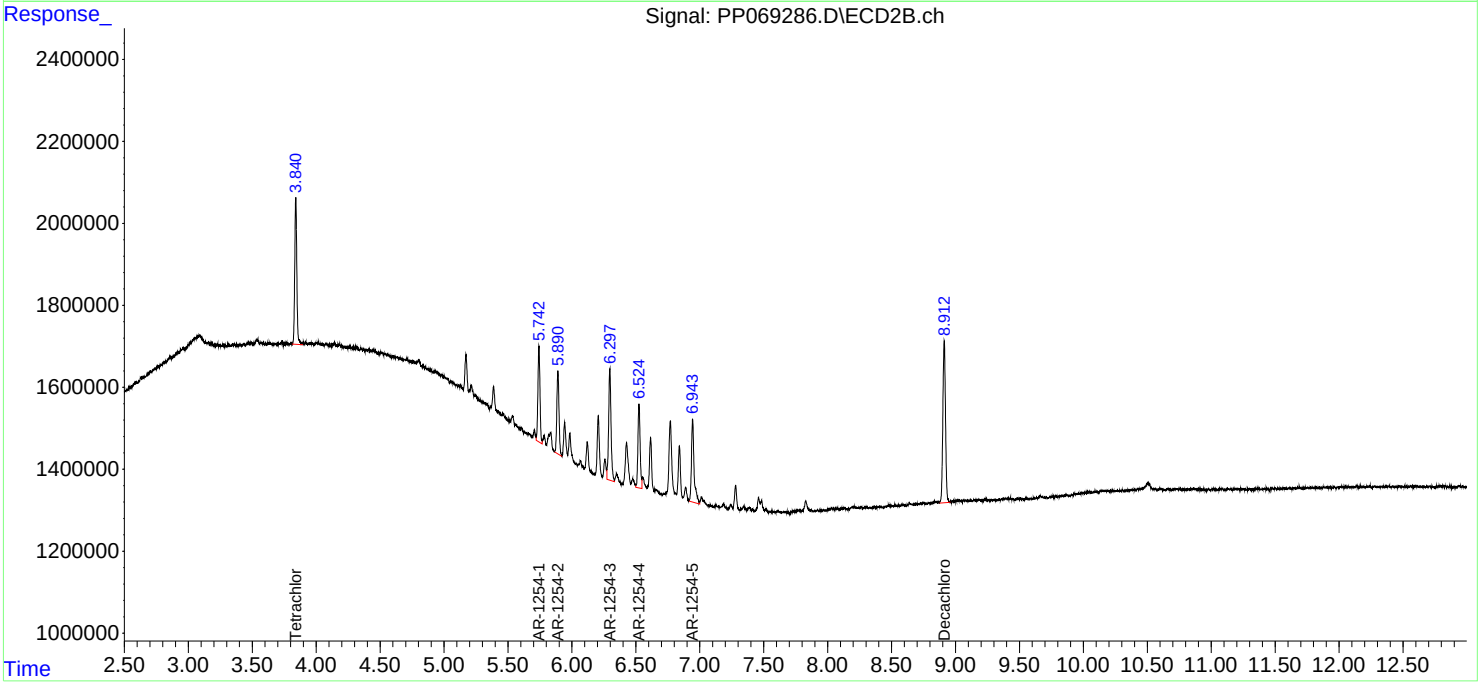
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:53
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

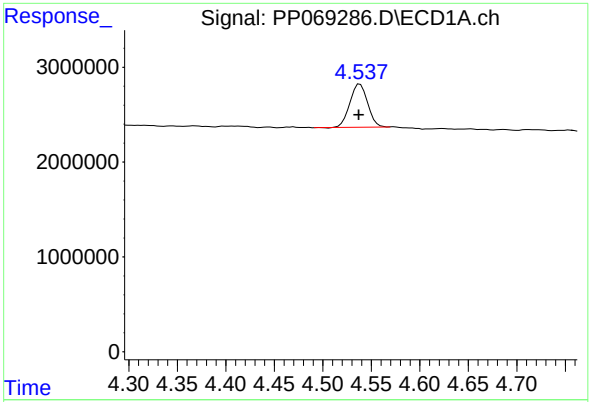
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:04:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:04:22 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



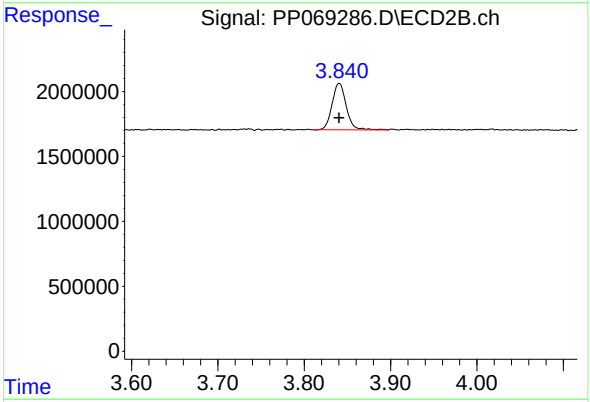




#1 Tetrachloro-m-xylene

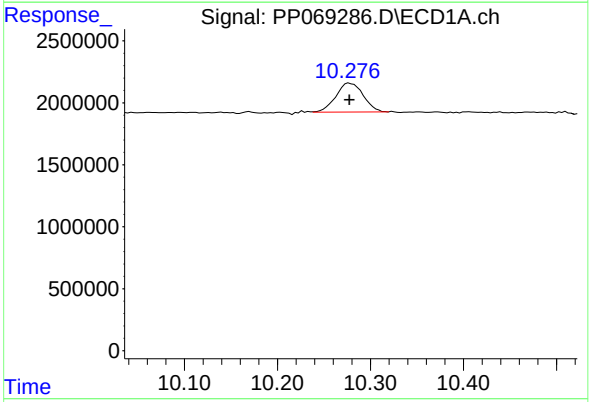
R.T.: 4.538 min
Delta R.T.: 0.001 min
Response: 5786281
Conc: 4.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



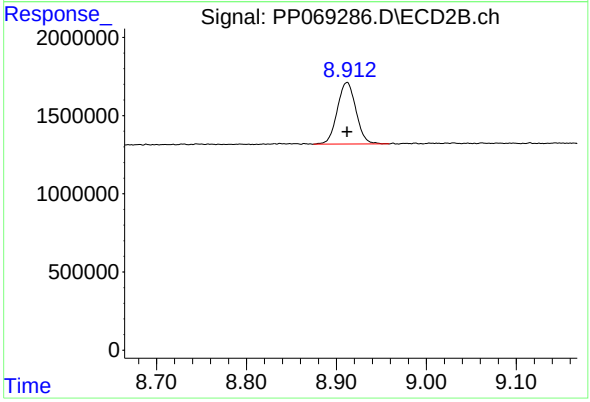
#1 Tetrachloro-m-xylene

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 4091392
Conc: 4.38 ng/ml



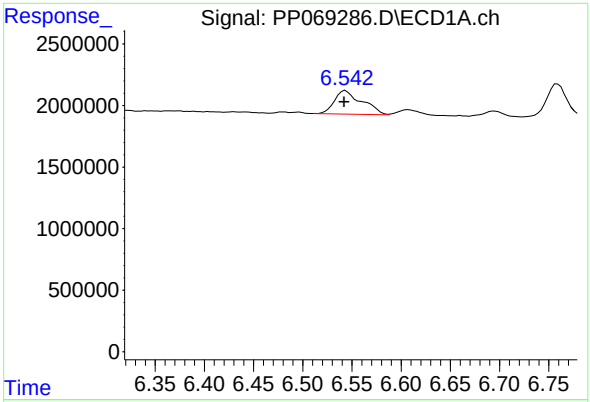
#2 Decachlorobiphenyl

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 4792685
Conc: 4.41 ng/ml



#2 Decachlorobiphenyl

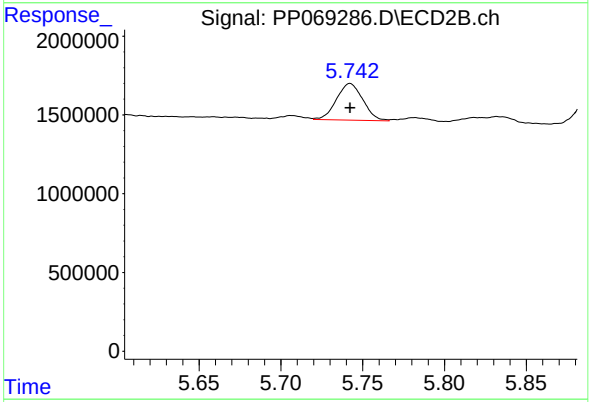
R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 5691534
Conc: 4.99 ng/ml



#26 AR-1254-1

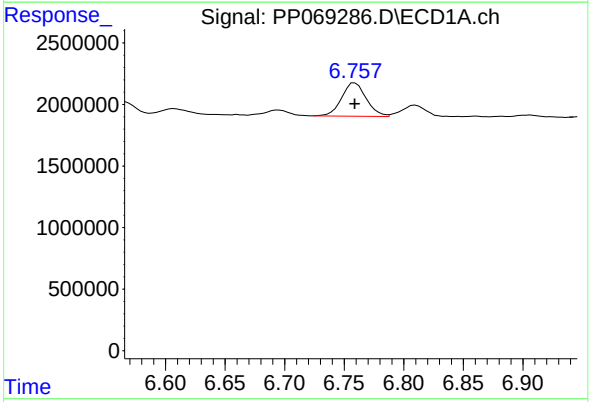
R.T.: 6.544 min
Delta R.T.: 0.001 min
Response: 3716378
Conc: 65.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



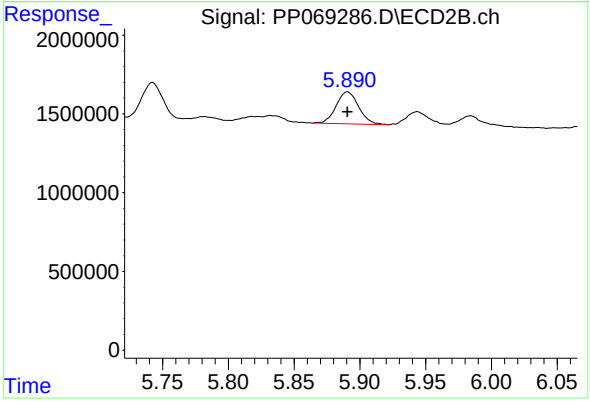
#26 AR-1254-1

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 2628819
Conc: 47.75 ng/ml



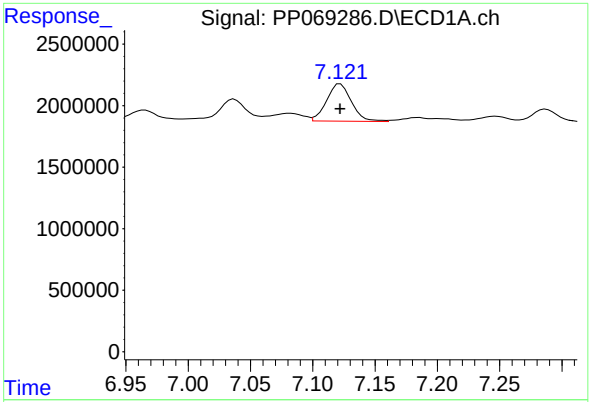
#27 AR-1254-2

R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 3901432
Conc: 48.62 ng/ml



#27 AR-1254-2

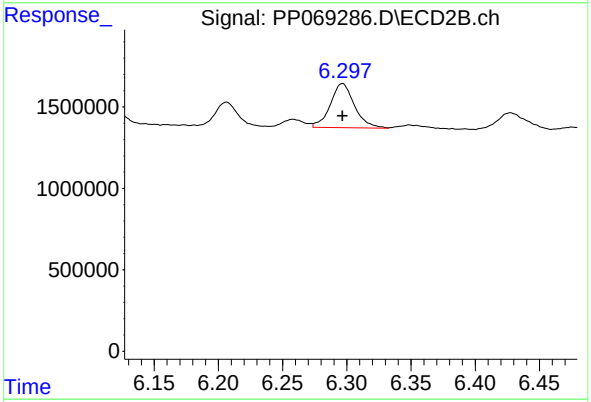
R.T.: 5.891 min
Delta R.T.: 0.000 min
Response: 2408006
Conc: 49.78 ng/ml



#28 AR-1254-3

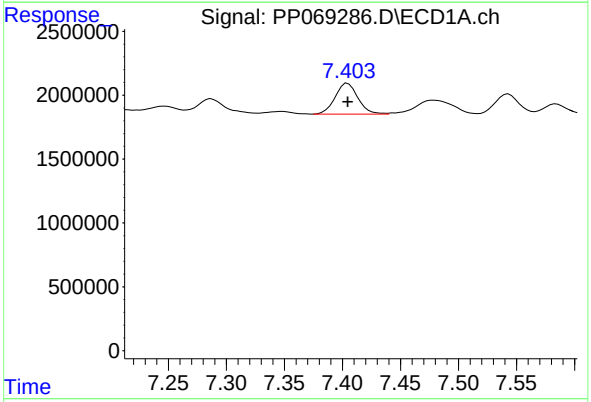
R.T.: 7.122 min
Delta R.T.: 0.000 min
Response: 4219753
Conc: 50.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



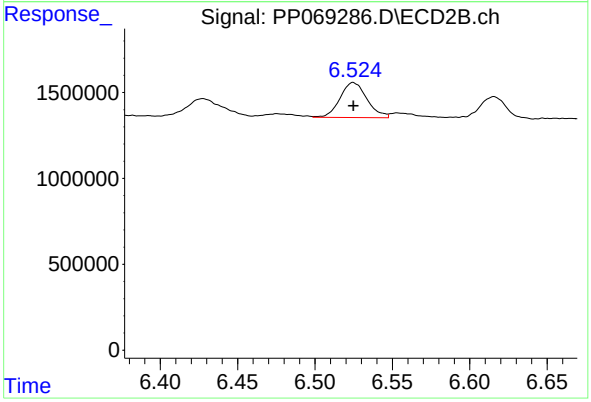
#28 AR-1254-3

R.T.: 6.297 min
Delta R.T.: 0.000 min
Response: 3542972
Conc: 46.68 ng/ml



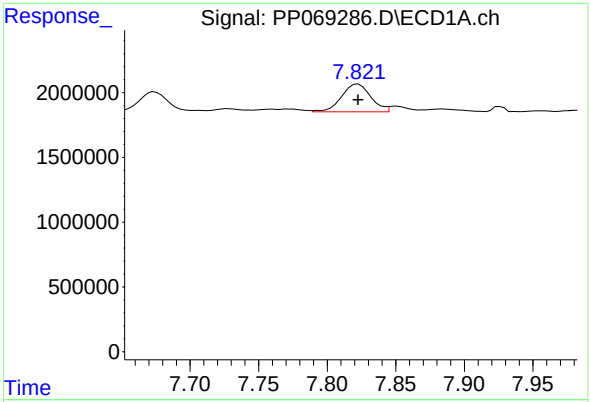
#29 AR-1254-4

R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 3314077
Conc: 48.60 ng/ml



#29 AR-1254-4

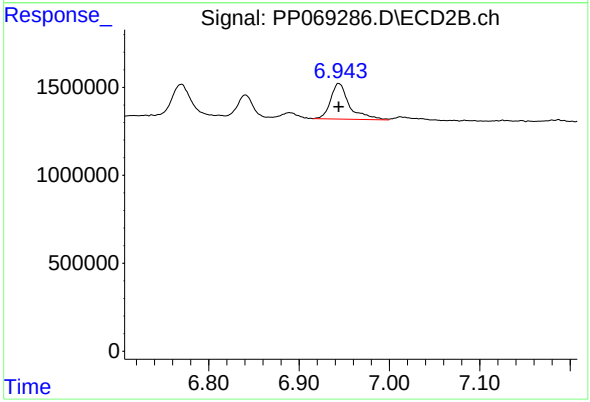
R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 2474657
Conc: 48.29 ng/ml



#30 AR-1254-5

R.T.: 7.823 min
Delta R.T.: 0.000 min
Response: 3170800
Conc: 46.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 2933240
Conc: 44.07 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:30
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:46:12 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...	4.539	3.840	4546635	2843700	3.290	3.181
2)	SA Decachlor...	10.278	8.910	5979560	6573940	3.419	3.771
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.767	6295775	5422252	35.654	37.363
42)	L9 AR-1268-2	8.857	7.832	5727609	4780082	36.395	35.990
43)	L9 AR-1268-3	9.093	8.039	4626946	4204668	34.600	36.968
44)	L9 AR-1268-4	9.511	8.335	1957538	1726940	33.336	33.161
45)	L9 AR-1268-5	9.933	8.641	13066763	12717604	34.305	35.705

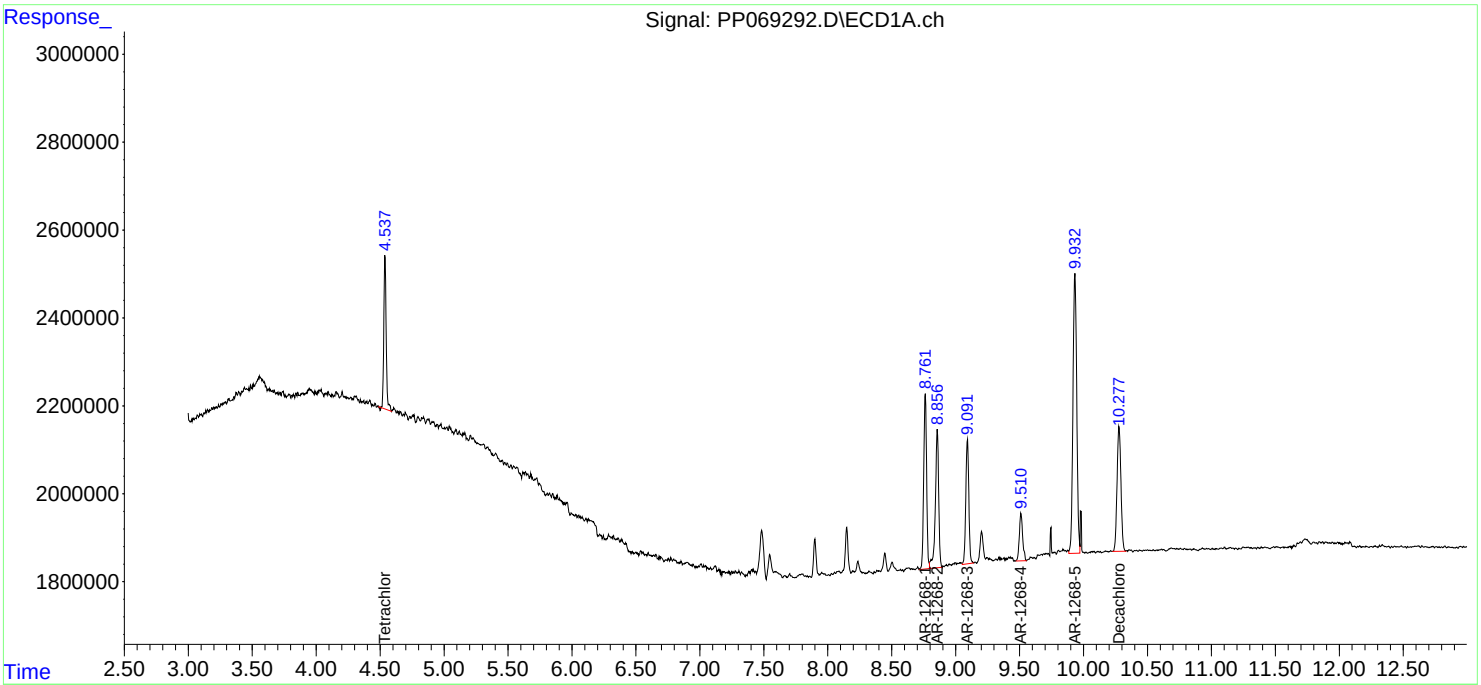
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

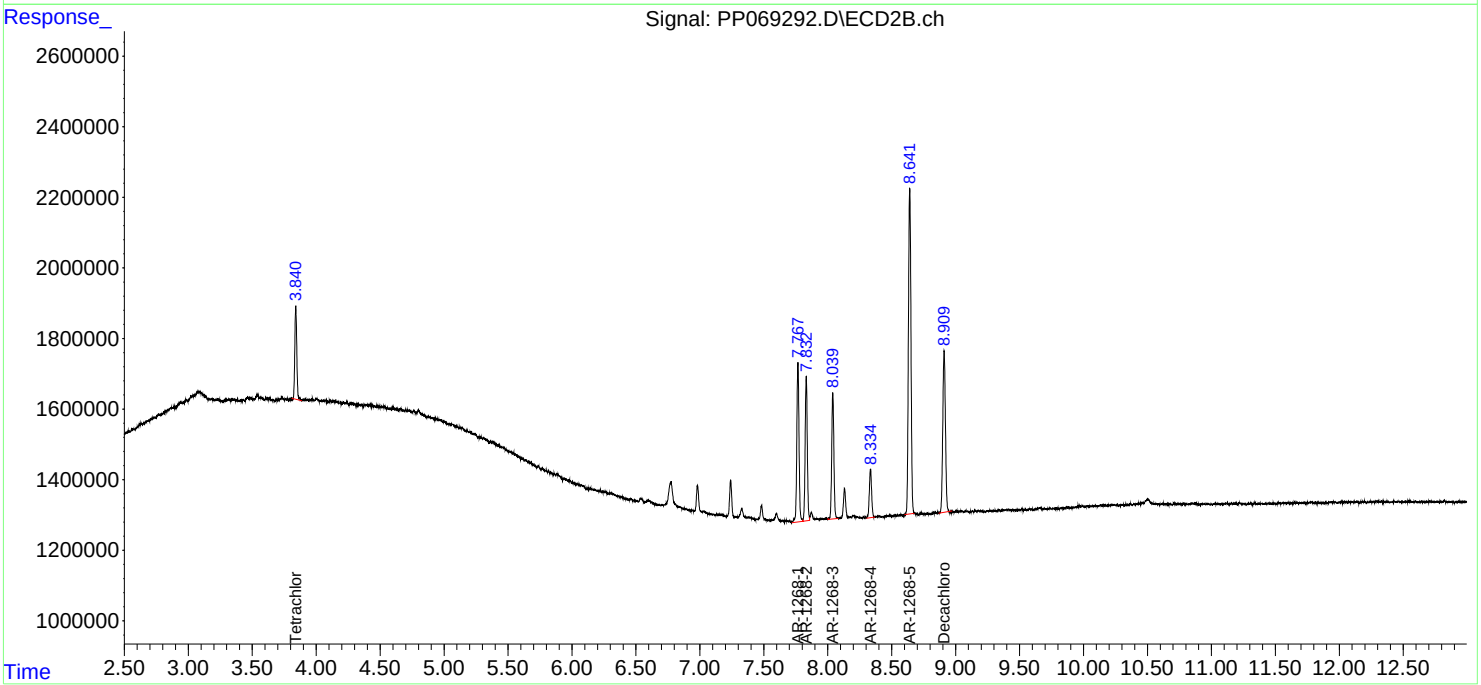
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:30
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

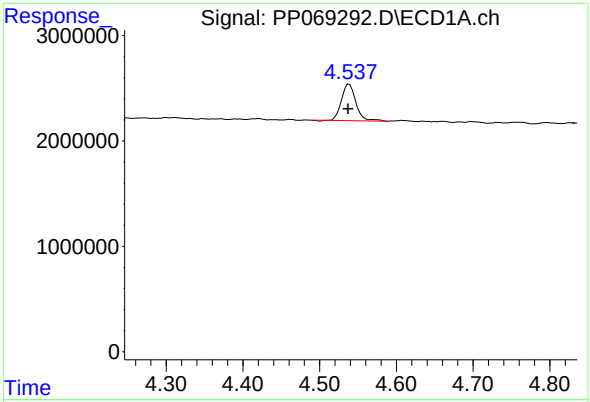
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:46:12 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



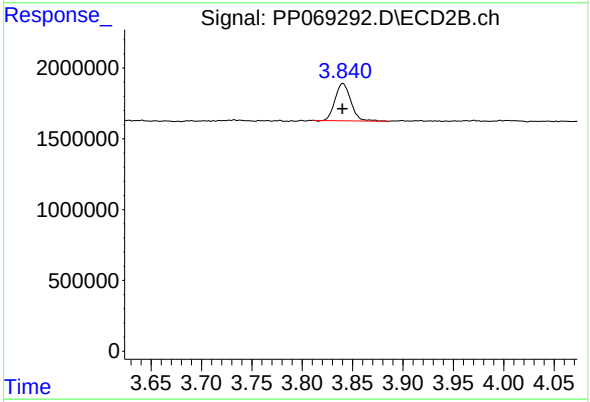




#1 Tetrachloro-m-xylene

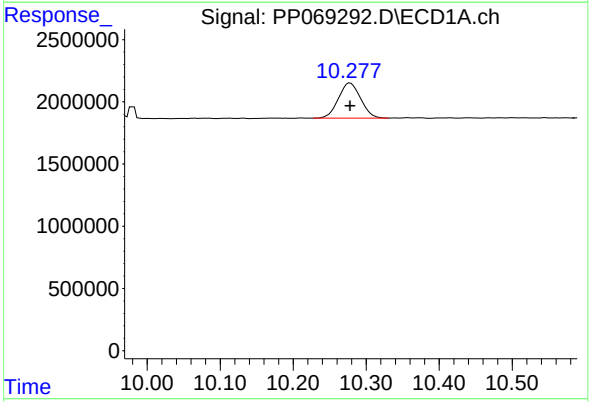
R.T.: 4.539 min
Delta R.T.: 0.002 min
Response: 4546635
Conc: 3.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



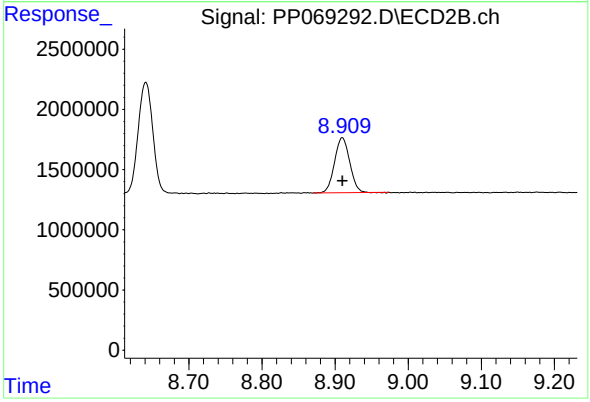
#1 Tetrachloro-m-xylene

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 2843700
Conc: 3.18 ng/ml



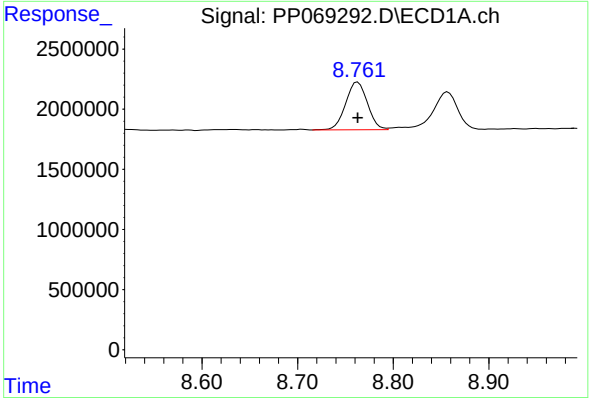
#2 Decachlorobiphenyl

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 5979560
Conc: 3.42 ng/ml



#2 Decachlorobiphenyl

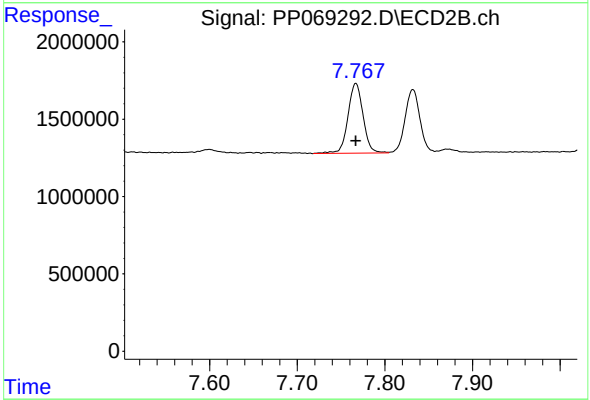
R.T.: 8.910 min
Delta R.T.: 0.000 min
Response: 6573940
Conc: 3.77 ng/ml



#41 AR-1268-1

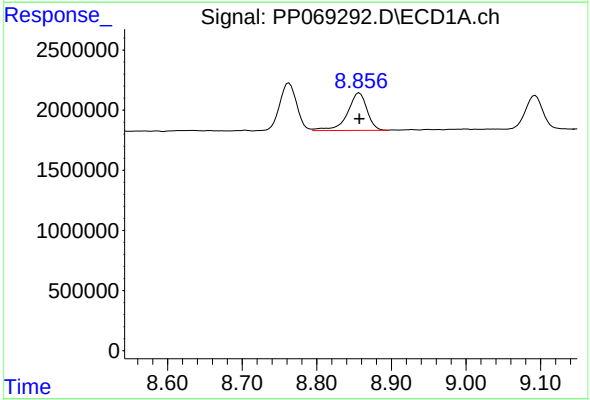
R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 6295775
Conc: 35.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



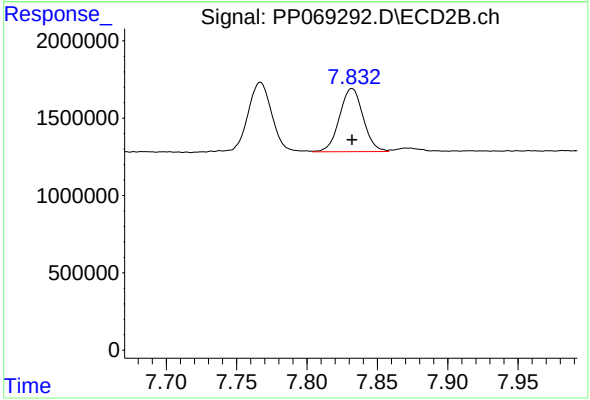
#41 AR-1268-1

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 5422252
Conc: 37.36 ng/ml



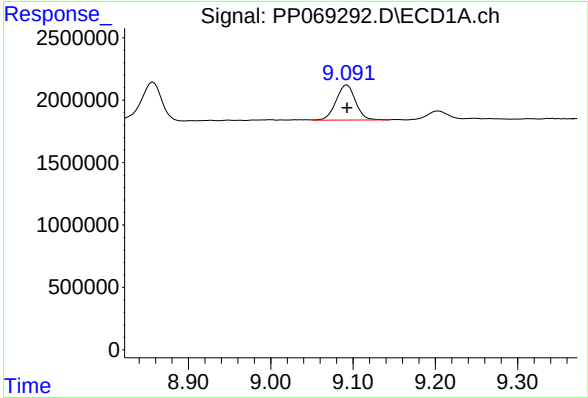
#42 AR-1268-2

R.T.: 8.857 min
Delta R.T.: 0.000 min
Response: 5727609
Conc: 36.40 ng/ml



#42 AR-1268-2

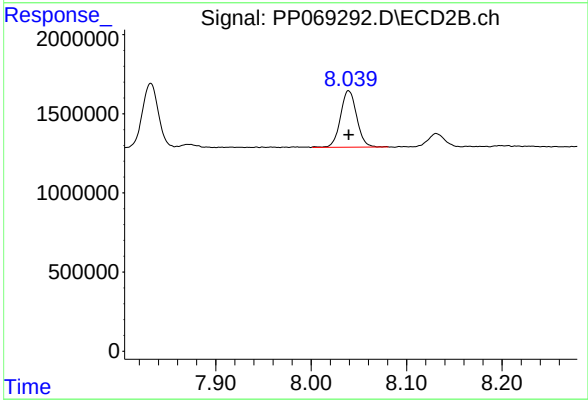
R.T.: 7.832 min
Delta R.T.: 0.000 min
Response: 4780082
Conc: 35.99 ng/ml



#43 AR-1268-3

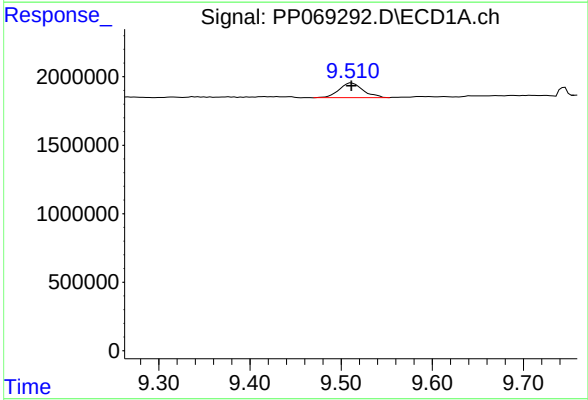
R.T.: 9.093 min
Delta R.T.: 0.000 min
Response: 4626946
Conc: 34.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



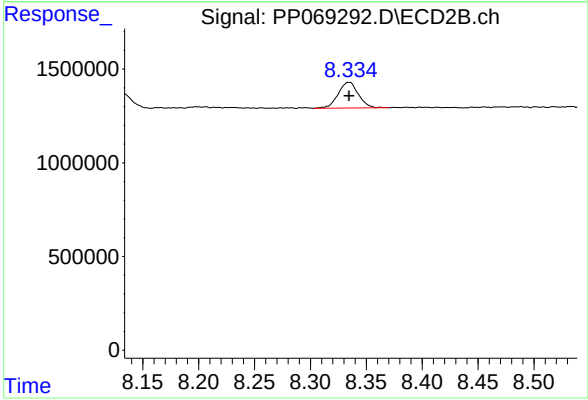
#43 AR-1268-3

R.T.: 8.039 min
Delta R.T.: 0.000 min
Response: 4204668
Conc: 36.97 ng/ml



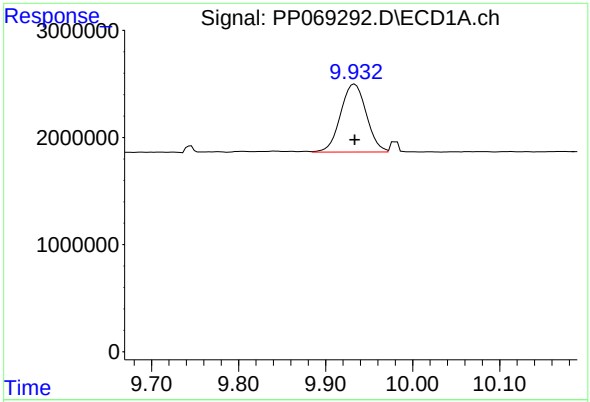
#44 AR-1268-4

R.T.: 9.511 min
Delta R.T.: 0.000 min
Response: 1957538
Conc: 33.34 ng/ml



#44 AR-1268-4

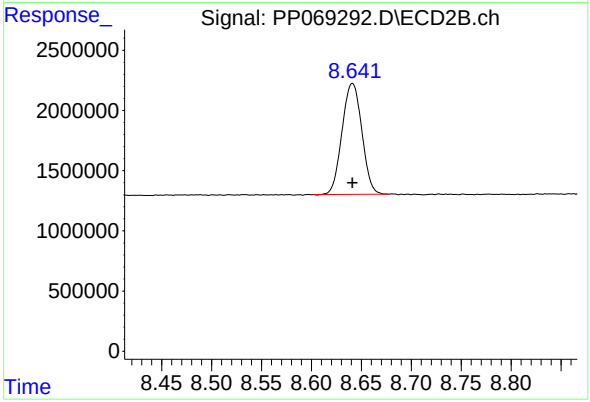
R.T.: 8.335 min
Delta R.T.: 0.000 min
Response: 1726940
Conc: 33.16 ng/ml



#45 AR-1268-5

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 13066763
Conc: 34.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 12717604
Conc: 35.71 ng/ml