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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

LAB CHRONICLE

OrderID:	Q1572	**OrderDate:**	3/14/2025 11:03:00 AM
Client:	Tetra Tech, EMI	**Project:**	R36884 - PCB
Contact:	Ava Heiss	**Location:**	I31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1572-01	**C0AC9**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-01DL	**C0AC9DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-01DL2	**C0AC9DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-02	**C0O14**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-02DL	**C0O14DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-02DL2	**C0O14DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-03	**C0O15**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-03DL	**C0O15DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-03DL2	**C0O15DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-04	**C0O16**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-04DL	**C0O16DL**	**SOIL**			**03/12/25**			**03/14/25**

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

LAB CHRONICLE

			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-04DL2	**C0O16DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-05	**C0O17**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-05DL	**C0O17DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-05DL2	**C0O17DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-06	**C0O18**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-06DL	**C0O18DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-06DL2	**C0O18DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/18/25	
Q1572-07	**C0O19**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-07DL	**C0O19DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-08	**C0O20**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-08DL	**C0O20DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-09	**C0O21**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/15/25	
Q1572-09DL	**C0O21DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	

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

LAB CHRONICLE

Q1572-10	**C0O22**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-10DL	**C0O22DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-11	**C0O23**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-11DL	**C0O23DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-12	**C0O24**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-12DL	**C0O24DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/17/25	
Q1572-12DL 2	**C0O24DL2**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/18/25	
Q1572-13	**C0O25**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-14	**C0O26**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-15	**C0O27**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	
Q1572-16	**C0O28**	**SOIL**			**03/12/25**			**03/14/25**
			PCB Group1	8082A		03/14/25	03/14/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1572 **Order ID:** Q1572

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0AC9								
Q1572-01	C0AC9	SOIL	Aroclor-1248	8700	E	8.50	24.3	ug/kg
Q1572-01	C0AC9	SOIL	Aroclor-1260	1100	E	4.60	24.3	ug/kg
			Total Concentration:	**9,800.000**				
Client ID : C0AC9DL								
Q1572-01DL	C0AC9DL	SOIL	Aroclor-1248	12000	ED	84.8	243	ug/kg
Q1572-01DL	C0AC9DL	SOIL	Aroclor-1260	1800	D	46.2	243	ug/kg
			Total Concentration:	**13,800.000**				
Client ID : C0AC9DL2								
Q1572-01DL2	C0AC9DL2	SOIL	Aroclor-1248	16000	D	424	1200	ug/kg
Q1572-01DL2	C0AC9DL2	SOIL	Aroclor-1260	2300	D	231	1200	ug/kg
			Total Concentration:	**18,300.000**				
Client ID : C0O14								
Q1572-02	C0O14	SOIL	Aroclor-1248	8200	E	7.50	21.6	ug/kg
Q1572-02	C0O14	SOIL	Aroclor-1260	1100	E	4.10	21.6	ug/kg
			Total Concentration:	**9,300.000**				
Client ID : C0O14DL								
Q1572-02DL	C0O14DL	SOIL	Aroclor-1248	12000	ED	75.4	216	ug/kg
Q1572-02DL	C0O14DL	SOIL	Aroclor-1260	1800	D	41.1	216	ug/kg
			Total Concentration:	**13,800.000**				
Client ID : C0O14DL2								
Q1572-02DL2	C0O14DL2	SOIL	Aroclor-1248	15000	D	377	1100	ug/kg
Q1572-02DL2	C0O14DL2	SOIL	Aroclor-1260	2500	DP	206	1100	ug/kg
			Total Concentration:	**17,500.000**				
Client ID : C0O15								
Q1572-03	C0O15	SOIL	Aroclor-1248	5600	E	7.40	21.2	ug/kg
Q1572-03	C0O15	SOIL	Aroclor-1260	1100	E	4.00	21.2	ug/kg

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

Hit Summary Sheet
SW-846

SDG No.: Q1572 **Order ID:** Q1572

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	**6,700.000**				
Client ID :	**C0O15DL**							
Q1572-03DL	C0O15DL	SOIL	Aroclor-1248	6500	ED	36.9	106	ug/kg
Q1572-03DL	C0O15DL	SOIL	Aroclor-1260	1300	D	20.1	106	ug/kg
			Total Concentration:	**7,800.000**				
Client ID :	**C0O15DL2**							
Q1572-03DL2	C0O15DL2	SOIL	Aroclor-1248	9300	D	184	529	ug/kg
Q1572-03DL2	C0O15DL2	SOIL	Aroclor-1260	1800	D	101	529	ug/kg
			Total Concentration:	**11,100.000**				
Client ID :	**C0O16**							
Q1572-04	C0O16	SOIL	Aroclor-1248	9000	E	8.60	24.8	ug/kg
Q1572-04	C0O16	SOIL	Aroclor-1260	1200	E	4.70	24.8	ug/kg
			Total Concentration:	**10,200.000**				
Client ID :	**C0O16DL**							
Q1572-04DL	C0O16DL	SOIL	Aroclor-1248	11000	ED	43.2	124	ug/kg
Q1572-04DL	C0O16DL	SOIL	Aroclor-1260	1500	D	23.6	124	ug/kg
			Total Concentration:	**12,500.000**				
Client ID :	**C0O16DL2**							
Q1572-04DL2	C0O16DL2	SOIL	Aroclor-1248	8400	DP	432	1200	ug/kg
Q1572-04DL2	C0O16DL2	SOIL	Aroclor-1260	2500	D	236	1200	ug/kg
			Total Concentration:	**10,900.000**				
Client ID :	**C0O17**							
Q1572-05	C0O17	SOIL	Aroclor-1248	16000	E	7.90	22.8	ug/kg
Q1572-05	C0O17	SOIL	Aroclor-1260	1200	E	4.30	22.8	ug/kg
			Total Concentration:	**17,200.000**				

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

Hit Summary Sheet
SW-846

SDG No.: Q1572 **Order ID:** Q1572

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0O17DL								
Q1572-05DL	C0O17DL	SOIL	Aroclor-1248	22000	ED	79.2	228	ug/kg
Q1572-05DL	C0O17DL	SOIL	Aroclor-1260	1900	D	43.2	228	ug/kg
			Total Concentration:	**23,900.000**				
Client ID : C0O17DL2								
Q1572-05DL2	C0O17DL2	SOIL	Aroclor-1248	28000	D	792	2300	ug/kg
Q1572-05DL2	C0O17DL2	SOIL	Aroclor-1260	2500	DP	432	2300	ug/kg
			Total PCBs					
			Total Concentration:	**30,500.000**				
Client ID : C0O18								
Q1572-06	C0O18	SOIL	Aroclor-1248	14000	E	7.80	22.3	ug/kg
Q1572-06	C0O18	SOIL	Aroclor-1260	951	E	4.20	22.3	ug/kg
Q1572-06	C0O18	SOIL	Total PCBs	15000	E	12.0	22.3	ug/kg
			Total Concentration:	**29,951.000**				
Client ID : C0O18DL								
Q1572-06DL	C0O18DL	SOIL	Aroclor-1248	17000	ED	38.9	112	ug/kg
Q1572-06DL	C0O18DL	SOIL	Aroclor-1260	1200	D	21.2	112	ug/kg
			Total Concentration:	**18,200.000**				
Client ID : C0O18DL2								
Q1572-06DL2	C0O18DL2	SOIL	Aroclor-1248	13000	D	778	2200	ug/kg
Q1572-06DL2	C0O18DL2	SOIL	Aroclor-1260	2000	JDP	425	2200	ug/kg
			Total Concentration:	**15,000.000**				
Client ID : C0O19								
Q1572-07	C0O19	SOIL	Aroclor-1248	2600	E	8.60	24.6	ug/kg
Q1572-07	C0O19	SOIL	Aroclor-1260	308		4.70	24.6	ug/kg
			Total PCBs					
			Total Concentration:	**2,908.000**				
Client ID : C0O19DL								
Q1572-07DL	C0O19DL	SOIL	Aroclor-1248	3700	D	85.6	246	ug/kg
Q1572-07DL	C0O19DL	SOIL	Aroclor-1260	482	DP	46.7	246	ug/kg

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

Hit Summary Sheet
SW-846

SDG No.: Q1572 **Order ID:** Q1572

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	**4,182.000**				
Client ID :	**C0O20**							
Q1572-08	C0O20	SOIL	Aroclor-1248	2700	E	7.90	22.7	ug/kg
			Total Concentration:	**2,700.000**				
Client ID :	**C0O20DL**							
Q1572-08DL	C0O20DL	SOIL	Aroclor-1248	3700	D	79.0	227	ug/kg
			Total Concentration:	**3,700.000**				
Client ID :	**C0O21**							
Q1572-09	C0O21	SOIL	Aroclor-1248	9500	E	8.80	25.3	ug/kg
			Total Concentration:	**9,500.000**				
Client ID :	**C0O21DL**							
Q1572-09DL	C0O21DL	SOIL	Aroclor-1248	8300	D	441	1300	ug/kg
			Total Concentration:	**8,300.000**				
Client ID :	**C0O22**							
Q1572-10	C0O22	SOIL	Aroclor-1248	25000	E	9.00	25.8	ug/kg
			Total Concentration:	**25,000.000**				
Client ID :	**C0O22DL**							
Q1572-10DL	C0O22DL	SOIL	Aroclor-1248	41000	D	897	2600	ug/kg
			Total Concentration:	**41,000.000**				
Client ID :	**C0O23**							
Q1572-11	C0O23	SOIL	Aroclor-1248	1600	E	7.10	20.3	ug/kg
			Total Concentration:	**1,600.000**				
Client ID :	**C0O23DL**							

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

Hit Summary Sheet
SW-846

SDG No.: Q1572 **Order ID:** Q1572

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1572-11DL	C0O23DL	SOIL	Aroclor-1248	2000	D	70.6	203	ug/kg
			Total Concentration:	**2,000.000**				
Client ID :	**C0O24**							
Q1572-12	C0O24	SOIL	Aroclor-1248	69000	EP	7.90	22.7	ug/kg
Q1572-12	C0O24	SOIL	Aroclor-1260	5400	E	4.30	22.7	ug/kg
			Total Concentration:	**74,400.000**				
Client ID :	**C0O24DL**							
Q1572-12DL	C0O24DL	SOIL	Aroclor-1248	120000	ED	395	1100	ug/kg
Q1572-12DL	C0O24DL	SOIL	Aroclor-1260	8300	D	215	1100	ug/kg
Q1572-12DL	C0O24DL	SOIL	Total PCBs	130000	D	610	1100	ug/kg
			Total Concentration:	**258,300.000**				
Client ID :	**C0O24DL2**							
Q1572-12DL2	C0O24DL2	SOIL	Aroclor-1248	160000	D	3900	11000	ug/kg
Q1572-12DL2	C0O24DL2	SOIL	Aroclor-1260	12000	D	2200	11000	ug/kg
			Total Concentration:	**172,000.000**				
Client ID :	**C0O28**							
Q1572-16	C0O28	SOIL	Aroclor-1248	71.4		7.10	20.5	ug/kg
Q1572-16	C0O28	SOIL	Aroclor-1260	26.9		3.90	20.5	ug/kg
			Total Concentration:	**98.300**				

QC
SUMMARY

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

Surrogate Summary

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109425.D	PIBLK-PO109425.D	Tetrachloro-m-xylene	1	20	25.3	126		60	140
		Decachlorobiphenyl	1	20	25.3	126		60	140
		Tetrachloro-m-xylene	2	20	24.1	121		60	140
		Decachlorobiphenyl	2	20	25.5	127		60	140
I.BLK-PO109894.D	PIBLK-PO109894.D	Tetrachloro-m-xylene	1	20	20.7	103		60	140
		Decachlorobiphenyl	1	20	18.6	93		60	140
		Tetrachloro-m-xylene	2	20	21.0	105		60	140
		Decachlorobiphenyl	2	20	18.6	93		60	140
Q1572-10	C0O22	Tetrachloro-m-xylene	1	20	11.6	58		32	144
		Decachlorobiphenyl	1	20	373	1865	*	32	175
		Tetrachloro-m-xylene	2	20	11.9	60		32	144
		Decachlorobiphenyl	2	20	291	1454	*	32	175
Q1572-11	C0O23	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	44.3	222	*	32	175
		Tetrachloro-m-xylene	2	20	18.7	94		32	144
		Decachlorobiphenyl	2	20	42.3	211	*	32	175
Q1572-12	C0O24	Tetrachloro-m-xylene	1	20	14.2	71		32	144
		Decachlorobiphenyl	1	20	49.8	249	*	32	175
		Tetrachloro-m-xylene	2	20	15.0	75		32	144
		Decachlorobiphenyl	2	20	69.7	349	*	32	175
Q1572-13	C0O25	Tetrachloro-m-xylene	1	20	18.7	93		32	144
		Decachlorobiphenyl	1	20	18.4	92		32	175
		Tetrachloro-m-xylene	2	20	18.7	94		32	144
		Decachlorobiphenyl	2	20	18.7	94		32	175
Q1572-14	C0O26	Tetrachloro-m-xylene	1	20	20.4	102		32	144
		Decachlorobiphenyl	1	20	22.3	112		32	175
		Tetrachloro-m-xylene	2	20	20.7	104		32	144
		Decachlorobiphenyl	2	20	22.7	114		32	175
Q1572-15	C0O27	Tetrachloro-m-xylene	1	20	19.6	98		32	144
		Decachlorobiphenyl	1	20	12.5	62		32	175
		Tetrachloro-m-xylene	2	20	19.8	99		32	144
		Decachlorobiphenyl	2	20	12.7	63		32	175
Q1572-16	C0O28	Tetrachloro-m-xylene	1	20	20.6	103		32	144
		Decachlorobiphenyl	1	20	12.6	63		32	175
		Tetrachloro-m-xylene	2	20	21.0	105		32	144
		Decachlorobiphenyl	2	20	12.8	64		32	175
I.BLK-PO109908.D	PIBLK-PO109908.D	Tetrachloro-m-xylene	1	20	20.8	104		60	140
		Decachlorobiphenyl	1	20	18.3	92		60	140
		Tetrachloro-m-xylene	2	20	21.1	106		60	140
		Decachlorobiphenyl	2	20	18.8	94		60	140
I.BLK-PO109927.D	PIBLK-PO109927.D	Tetrachloro-m-xylene	1	20	20.0	100		60	140

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

Surrogate Summary

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109927.D	PIBLK-PO109927.D	Decachlorobiphenyl	1	20	17.1	86		60	140
		Tetrachloro-m-xylene	2	20	20.4	102		60	140
		Decachlorobiphenyl	2	20	17.4	87		60	140
Q1572-10DL	C0O22DL	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
Q1572-11DL	C0O23DL	Tetrachloro-m-xylene	1	20	21.4	107		32	144
		Decachlorobiphenyl	1	20	52.4	262	*	32	175
		Tetrachloro-m-xylene	2	20	22.1	111		32	144
		Decachlorobiphenyl	2	20	54.3	272	*	32	175
Q1572-12DL	C0O24DL	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
I.BLK-PO109939.D	PIBLK-PO109939.D	Tetrachloro-m-xylene	1	20	20.4	102		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	20.5	103		60	140
		Decachlorobiphenyl	2	20	16.5	83		60	140
I.BLK-PO109965.D	PIBLK-PO109965.D	Tetrachloro-m-xylene	1	20	20.9	104		16	158
		Decachlorobiphenyl	1	20	17.9	90		10	173
		Tetrachloro-m-xylene	2	20	20.6	103		16	158
		Decachlorobiphenyl	2	20	15.5	77		10	173
Q1572-12DL2	C0O24DL2	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
I.BLK-PO109969.D	PIBLK-PO109969.D	Tetrachloro-m-xylene	1	20	20.3	101		16	158
		Decachlorobiphenyl	1	20	17.6	88		10	173
		Tetrachloro-m-xylene	2	20	20.1	100		16	158
		Decachlorobiphenyl	2	20	16.5	82		10	173
I.BLK-PP070418.D	PIBLK-PP070418.D	Tetrachloro-m-xylene	1	20	22.0	110		60	140
		Decachlorobiphenyl	1	20	23.1	116		60	140
		Tetrachloro-m-xylene	2	20	23.0	115		60	140
		Decachlorobiphenyl	2	20	23.5	117		60	140
I.BLK-PP070547.D	PIBLK-PP070547.D	Tetrachloro-m-xylene	1	20	19.5	97		60	140
		Decachlorobiphenyl	1	20	20.3	101		60	140
		Tetrachloro-m-xylene	2	20	20.5	102		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140
PB167143BL	PB167143BL	Tetrachloro-m-xylene	1	20	20.4	102		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175

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

Surrogate Summary

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB167143BL	PB167143BL	Tetrachloro-m-xylene	2	20	21.4	107		32	144
		Decachlorobiphenyl	2	20	21.0	105		32	175
PB167143BS	PB167143BS	Tetrachloro-m-xylene	1	20	21.4	107		32	144
		Decachlorobiphenyl	1	20	21.8	109		32	175
		Tetrachloro-m-xylene	2	20	21.7	108		32	144
		Decachlorobiphenyl	2	20	20.0	100		32	175
Q1572-01	C0AC9	Tetrachloro-m-xylene	1	20	17.6	88		32	144
		Decachlorobiphenyl	1	20	16.6	83		32	175
		Tetrachloro-m-xylene	2	20	18.1	90		32	144
		Decachlorobiphenyl	2	20	49.9	250	*	32	175
Q1572-02	C0O14	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	22.6	113		32	175
		Tetrachloro-m-xylene	2	20	20.6	103		32	144
		Decachlorobiphenyl	2	20	31.7	159		32	175
Q1572-03	C0O15	Tetrachloro-m-xylene	1	20	18.0	90		32	144
		Decachlorobiphenyl	1	20	18.9	95		32	175
		Tetrachloro-m-xylene	2	20	19.5	97		32	144
		Decachlorobiphenyl	2	20	24.6	123		32	175
Q1572-04	C0O16	Tetrachloro-m-xylene	1	20	17.5	88		32	144
		Decachlorobiphenyl	1	20	17.6	88		32	175
		Tetrachloro-m-xylene	2	20	17.7	88		32	144
		Decachlorobiphenyl	2	20	45.9	229	*	32	175
Q1572-05	C0O17	Tetrachloro-m-xylene	1	20	16.9	84		32	144
		Decachlorobiphenyl	1	20	26.0	130		32	175
		Tetrachloro-m-xylene	2	20	17.4	87		32	144
		Decachlorobiphenyl	2	20	59.0	295	*	32	175
Q1572-07	C0O19	Tetrachloro-m-xylene	1	20	16.1	81		32	144
		Decachlorobiphenyl	1	20	10.3	52		32	175
		Tetrachloro-m-xylene	2	20	17.5	88		32	144
		Decachlorobiphenyl	2	20	28.4	142		32	175
I.BLK-PP070562.D	PIBLK-PP070562.D	Tetrachloro-m-xylene	1	20	20.1	100		60	140
		Decachlorobiphenyl	1	20	20.9	104		60	140
		Tetrachloro-m-xylene	2	20	21.2	106		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
Q1572-06	C0O18	Tetrachloro-m-xylene	1	20	15.8	79		32	144
		Decachlorobiphenyl	1	20	14.7	73		32	175
		Tetrachloro-m-xylene	2	20	15.7	78		32	144
		Decachlorobiphenyl	2	20	24.5	122		32	175
Q1572-06MS	C0O18MS	Tetrachloro-m-xylene	1	20	20.3	101		32	144
		Decachlorobiphenyl	1	20	21.8	109		32	175
		Tetrachloro-m-xylene	2	20	19.0	95		32	144

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

Surrogate Summary

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1572-06MS	C0O18MS	Decachlorobiphenyl	2	20	34.0	170		32	175
Q1572-06MSD	C0O18MSD	Tetrachloro-m-xylene	1	20	20.8	104		32	144
		Decachlorobiphenyl	1	20	22.3	112		32	175
		Tetrachloro-m-xylene	2	20	19.6	98		32	144
		Decachlorobiphenyl	2	20	33.2	166		32	175
Q1572-08	C0O20	Tetrachloro-m-xylene	1	20	17.5	87		32	144
		Decachlorobiphenyl	1	20	24.6	123		32	175
		Tetrachloro-m-xylene	2	20	18.7	94		32	144
		Decachlorobiphenyl	2	20	46.4	232	*	32	175
Q1572-09	C0O21	Tetrachloro-m-xylene	1	20	14.1	70		32	144
		Decachlorobiphenyl	1	20	33.1	165		32	175
		Tetrachloro-m-xylene	2	20	14.0	70		32	144
		Decachlorobiphenyl	2	20	31.0	155		32	175
I.BLK-PP070572.D	PIBLK-PP070572.D	Tetrachloro-m-xylene	1	20	20.2	101		60	140
		Decachlorobiphenyl	1	20	21.0	105		60	140
		Tetrachloro-m-xylene	2	20	21.1	105		60	140
		Decachlorobiphenyl	2	20	20.5	102		60	140
I.BLK-PP070578.D	PIBLK-PP070578.D	Tetrachloro-m-xylene	1	20	19.5	98		60	140
		Decachlorobiphenyl	1	20	21.3	106		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140
Q1572-01DL	C0AC9DL	Tetrachloro-m-xylene	1	20	25.9	130		32	144
		Decachlorobiphenyl	1	20	23.2	116		32	175
		Tetrachloro-m-xylene	2	20	27.2	136		32	144
		Decachlorobiphenyl	2	20	69.3	347	*	32	175
Q1572-01DL2	C0AC9DL2	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
Q1572-02DL	C0O14DL	Tetrachloro-m-xylene	1	20	30.0	150	*	32	144
		Decachlorobiphenyl	1	20	31.4	157		32	175
		Tetrachloro-m-xylene	2	20	33.3	167	*	32	144
		Decachlorobiphenyl	2	20	46.4	232	*	32	175
Q1572-02DL2	C0O14DL2	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
Q1572-03DL	C0O15DL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	22.6	113		32	175
		Tetrachloro-m-xylene	2	20	25.5	128		32	144
		Decachlorobiphenyl	2	20	28.9	145		32	175

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

Surrogate Summary

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1572-03DL2	C0O15DL2	Tetrachloro-m-xylene	1	20	25.5	128		32	144
		Decachlorobiphenyl	1	20	24.5	123		32	175
		Tetrachloro-m-xylene	2	20	31.8	159	*	32	144
		Decachlorobiphenyl	2	20	38.0	190	*	32	175
Q1572-04DL	C0O16DL	Tetrachloro-m-xylene	1	20	20.1	100		32	144
		Decachlorobiphenyl	1	20	19.4	97		32	175
		Tetrachloro-m-xylene	2	20	23.2	116		32	144
		Decachlorobiphenyl	2	20	54.0	270	*	32	175
Q1572-04DL2	C0O16DL2	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
Q1572-05DL	C0O17DL	Tetrachloro-m-xylene	1	20	24.1	121		32	144
		Decachlorobiphenyl	1	20	30.6	153		32	175
		Tetrachloro-m-xylene	2	20	27.3	137		32	144
		Decachlorobiphenyl	2	20	96.6	483	*	32	175
Q1572-05DL2	C0O17DL2	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
I.BLK-PP070593.D	PIBLK-PP070593.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	21.1	106		60	140
		Tetrachloro-m-xylene	2	20	21.4	107		60	140
		Decachlorobiphenyl	2	20	19.8	99		60	140
Q1572-07DL	C0O19DL	Tetrachloro-m-xylene	1	20	19.6	98		32	144
		Decachlorobiphenyl	1	20	12.2	61		32	175
		Tetrachloro-m-xylene	2	20	21.0	105		32	144
		Decachlorobiphenyl	2	20	32.5	163		32	175
Q1572-06DL	C0O18DL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	18.6	93		32	175
		Tetrachloro-m-xylene	2	20	15.7	78		32	144
		Decachlorobiphenyl	2	20	35.5	178	*	32	175
Q1572-08DL	C0O20DL	Tetrachloro-m-xylene	1	20	24.8	124		32	144
		Decachlorobiphenyl	1	20	29.6	148		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	62.1	311	*	32	175
Q1572-09DL	C0O21DL	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
I.BLK-PP070608.D	PIBLK-PP070608.D	Tetrachloro-m-xylene	1	20	19.7	99		60	140

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

Surrogate Summary

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP070608.D	PIBLK-PP070608.D	Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	20.3	101		60	140
I.BLK-PP070642.D	PIBLK-PP070642.D	Tetrachloro-m-xylene	1	20	19.7	99		60	140
		Decachlorobiphenyl	1	20	21.1	106		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
Q1572-06DL2	C0O18DL2	Tetrachloro-m-xylene	1	20	0	0	*	32	144
		Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
I.BLK-PP070651.D	PIBLK-PP070651.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	20.6	103		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A **DataFile :** PP070564.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:	**C0O18MS**											
Q1572-06MS	AR1016	218.8	0	16000	ug/kg	7313	*			55	146	
	AR1260	218.8	951	1300	ug/kg	160	*			31	146	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A **DataFile :** PP070565.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:	**C0O18MSD**											
Q1572-06MSD	AR1016	218.6	0	17000	ug/kg	7777	*	6		55	146	20
	AR1260	218.6	951	1400	ug/kg	205	*	25	*	31	146	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1572

Client: Tetra Tech, EMI

Analytical Method: 8082A **Datafile :** PP070549.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167143BS	AR1016	166.5	152	ug/kg	91				71	120	
	AR1260	166.5	145	ug/kg	87				65	130	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167143BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: PB167143BL Lab File ID: PP070548.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 03/14/2025

Date Analyzed (1): 03/14/2025 Date Analyzed (2): 03/14/2025

Time Analyzed (1): 22:36 Time Analyzed (2): 22:36

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
C0O22	Q1572-10	PO109896.D	03/14/2025	03/14/2025
C0O23	Q1572-11	PO109897.D	03/14/2025	03/14/2025
C0O24	Q1572-12	PO109898.D	03/14/2025	03/14/2025
C0O25	Q1572-13	PO109899.D	03/14/2025	03/14/2025
C0O26	Q1572-14	PO109900.D	03/14/2025	03/14/2025
C0O27	Q1572-15	PO109901.D	03/14/2025	03/14/2025
C0O28	Q1572-16	PO109902.D	03/14/2025	03/14/2025
PB167143BS	PB167143BS	PP070549.D	03/14/2025	03/14/2025
C0AC9	Q1572-01	PP070552.D	03/14/2025	03/14/2025
C0O14	Q1572-02	PP070553.D	03/14/2025	03/14/2025
C0O15	Q1572-03	PP070554.D	03/15/2025	03/15/2025
C0O16	Q1572-04	PP070555.D	03/15/2025	03/15/2025
C0O17	Q1572-05	PP070556.D	03/15/2025	03/15/2025
C0O19	Q1572-07	PP070557.D	03/15/2025	03/15/2025
C0O18	Q1572-06	PP070563.D	03/15/2025	03/15/2025
C0O18MS	Q1572-06MS	PP070564.D	03/15/2025	03/15/2025
C0O18MSD	Q1572-06MSD	PP070565.D	03/15/2025	03/15/2025
C0O20	Q1572-08	PP070566.D	03/15/2025	03/15/2025
C0O21	Q1572-09	PP070567.D	03/15/2025	03/15/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PP070552.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC9	SDG No.:	Q1572
Lab Sample ID:	Q1572-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	69.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070552.D	1	03/14/25 12:25	03/14/25 23:41	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	24.3	U	5.70	24.3	ug/kg
11104-28-2	Aroclor-1221	24.3	U	5.80	24.3	ug/kg
11141-16-5	Aroclor-1232	24.3	U	5.30	24.3	ug/kg
53469-21-9	Aroclor-1242	24.3	U	5.70	24.3	ug/kg
12672-29-6	Aroclor-1248	8700	E	8.50	24.3	ug/kg
11097-69-1	Aroclor-1254	24.3	U	4.60	24.3	ug/kg
37324-23-5	Aroclor-1262	24.3	U	7.20	24.3	ug/kg
11100-14-4	Aroclor-1268	24.3	U	5.20	24.3	ug/kg
11096-82-5	Aroclor-1260	1100	E	4.60	24.3	ug/kg
Total PCBs	Total PCBs	9900	E	13.1	24.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		32 - 144	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	49.9	*	32 - 175	250%	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: **PP070552.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 23:41
Operator : YP\AJ
Sample : Q1572-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC9

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 05:13:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.522	3.825	27420522	18088301	17.629	18.047	
2)	SA Decachlor...	10.241	8.864	17581384	48852072	16.550	49.933	#
	Target Compounds							
21)	L5 AR-1248-1	5.674	4.913	370.8E6	254.2E6	10854.851	10829.313	
22)	L5 AR-1248-2	5.946	5.150	864.8E6	554.4E6	20373.090	17711.917	
23)	L5 AR-1248-3	6.147	5.192	967.5E6	551.9E6	20964.065m	17397.069	
24)	L5 AR-1248-4	6.547	5.365	1141.9E6	688.1E6	19691.063	17656.371	
25)	L5 AR-1248-5	6.586	5.759	1057.9E6	692.8E6	19704.778	18190.520	
31)	L7 AR-1260-1	7.267	6.412	157.1E6	254.9E6	2674.203	5120.996	#
32)	L7 AR-1260-2	7.519	6.589	305.2E6	113.5E6	3720.274	1717.820	#
33)	L7 AR-1260-3	7.878	6.742	108.3E6	116.2E6	1647.651	2031.619	
34)	L7 AR-1260-4	8.101	7.215	140.3E6	77113385	2146.850	1507.195	#
35)	L7 AR-1260-5	8.423	7.455	226.6E6	200.2E6	1658.041	1554.804	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 23:41
Operator : YP\AJ
Sample : Q1572-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

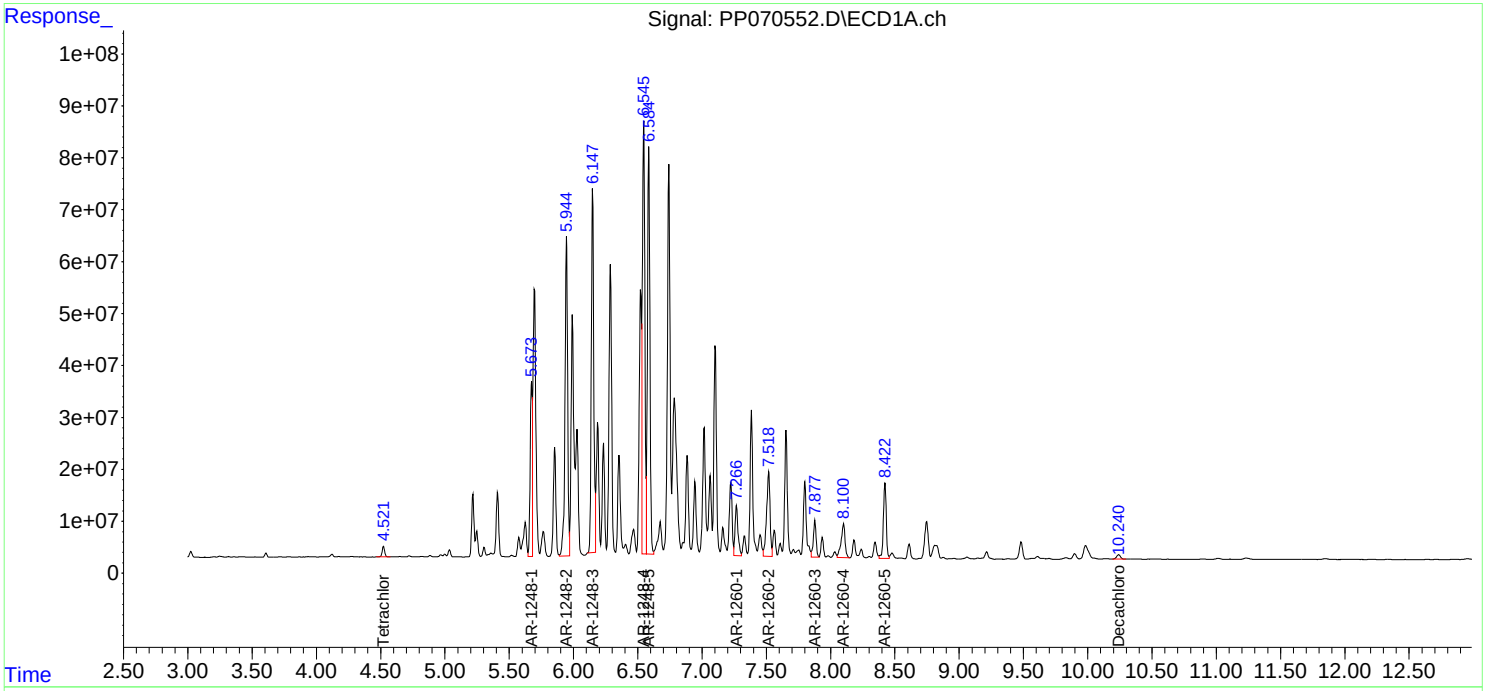
Instrument :
ECD_P
ClientSampleId :
C0AC9

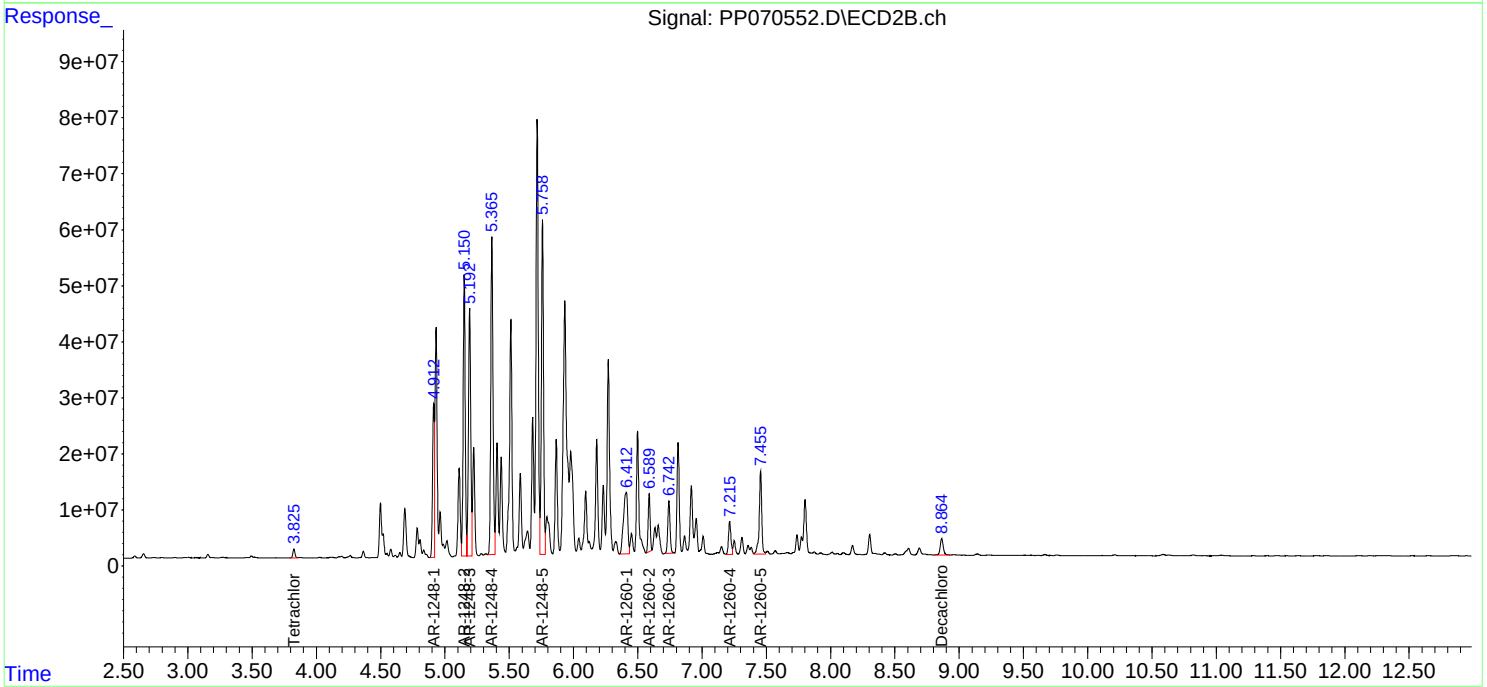
Manual Integrations APPROVED

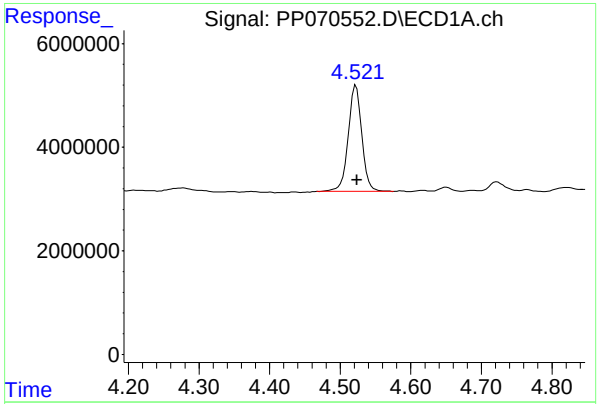
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 05:13:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







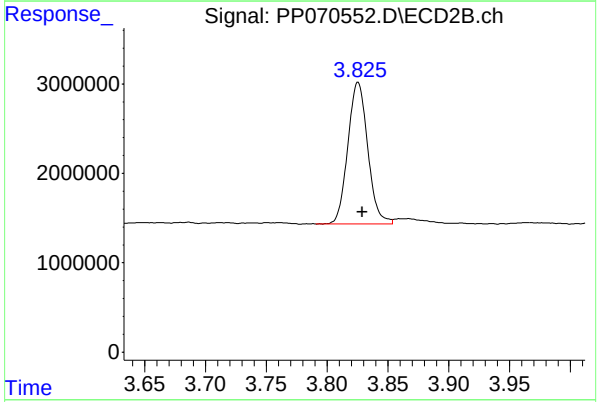
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 mi
Response: 27420522
Conc: 17.63 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC9

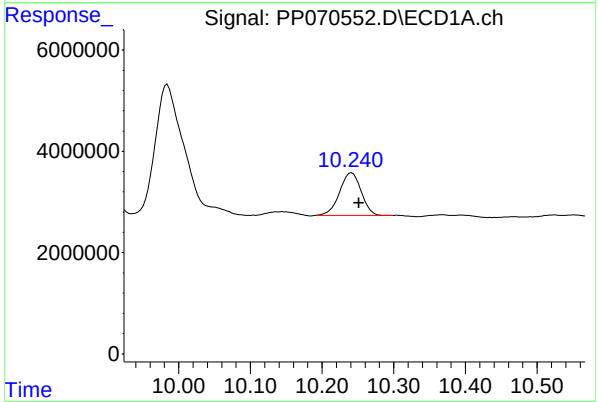
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



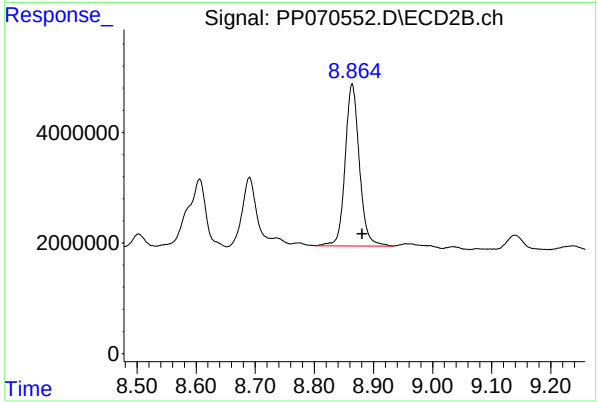
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 18088301
Conc: 18.05 ng/ml



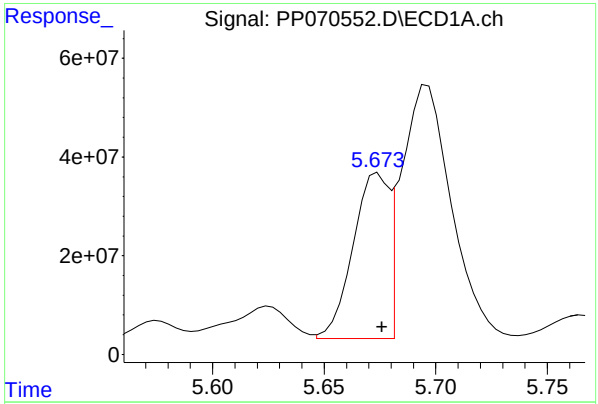
#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.010 min
Response: 17581384
Conc: 16.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.864 min
Delta R.T.: -0.017 min
Response: 48852072
Conc: 49.93 ng/ml



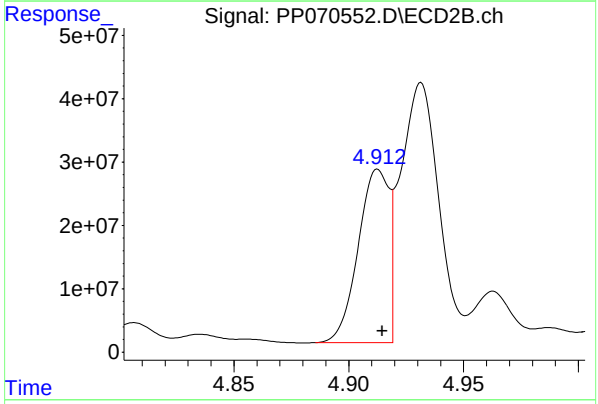
#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 370757829
Conc: 10854.85 ng/

Instrument :
ECD_P
ClientSampleId :
C0AC9

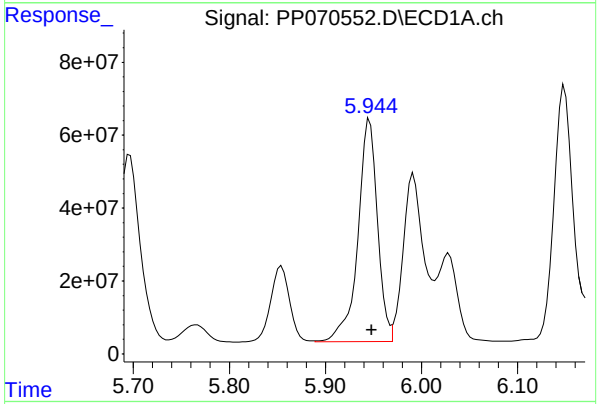
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



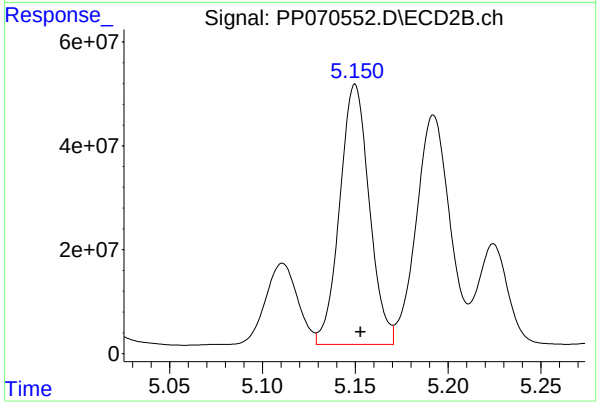
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 254223899
Conc: 10829.31 ng/ml



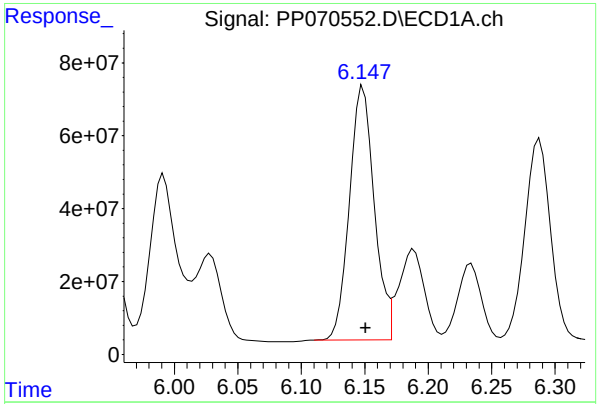
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 864781969
Conc: 20373.09 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 554444055
Conc: 17711.92 ng/ml



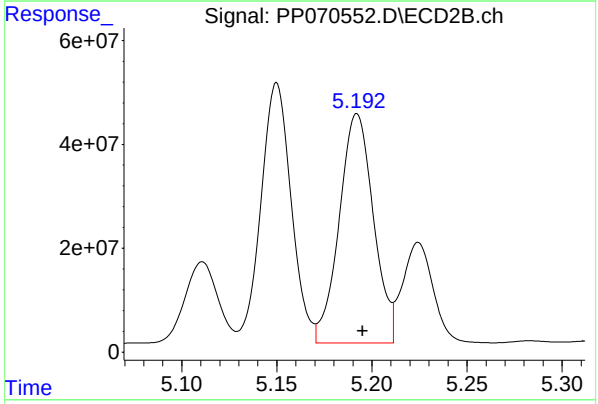
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.003 min
Response: 967463118
Conc: 20964.06 ng/

Instrument :
ECD_P
ClientSampleId :
C0AC9

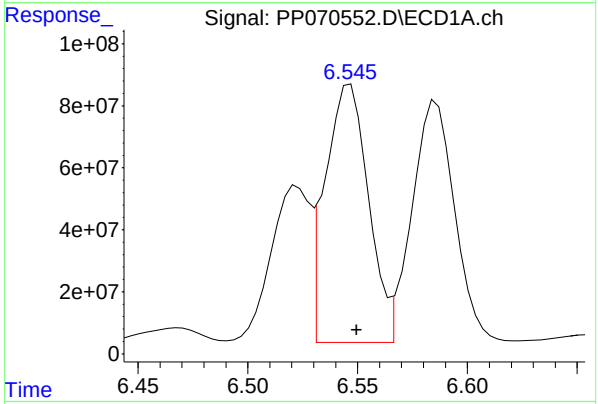
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



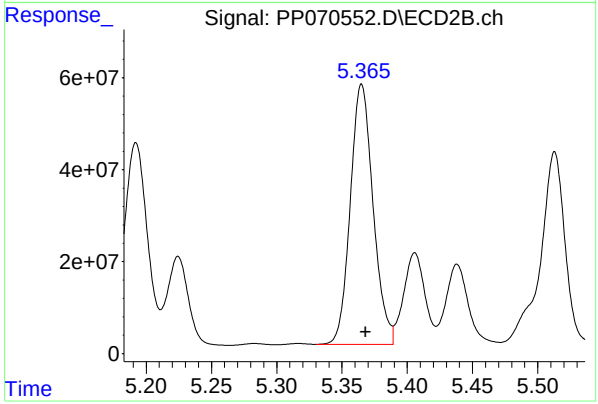
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 551862408
Conc: 17397.07 ng/ml



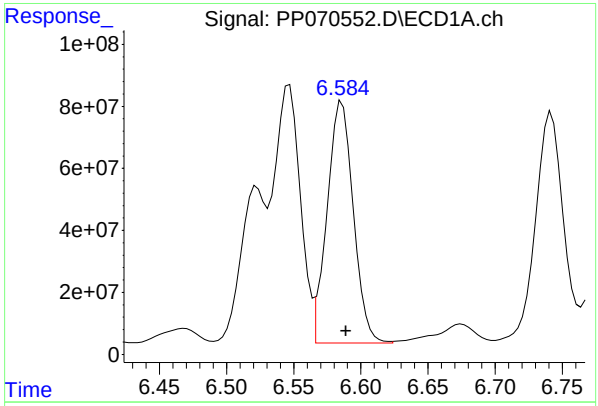
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.003 min
Response: 1141909536
Conc: 19691.06 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 688124749
Conc: 17656.37 ng/ml



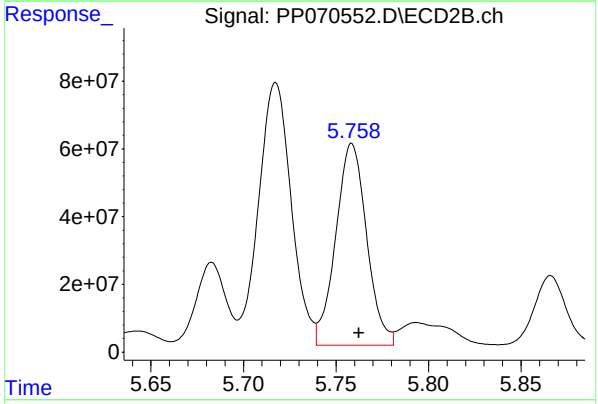
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 mi
Response: 1057897434
Conc: 19704.78 ng/

Instrument :
ECD_P
ClientSampleId :
C0AC9

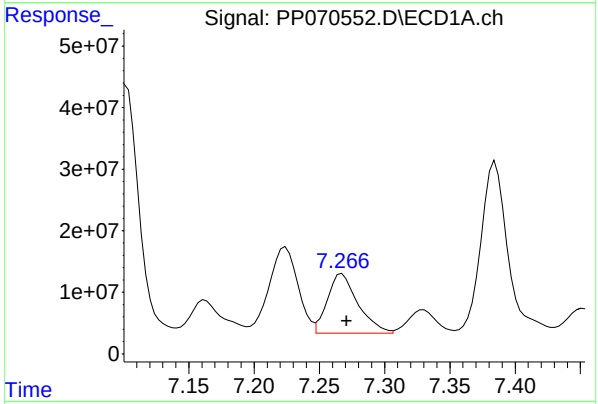
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



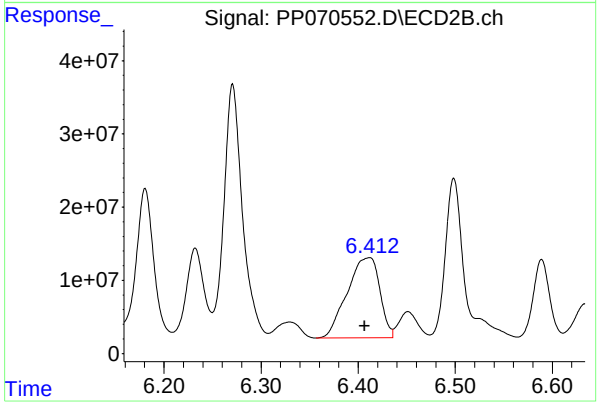
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 692816493
Conc: 18190.52 ng/ml



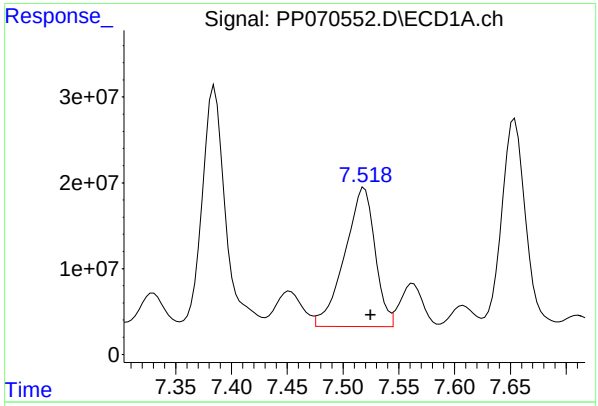
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.003 min
Response: 157077882
Conc: 2674.20 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: 0.005 min
Response: 254945606
Conc: 5121.00 ng/ml



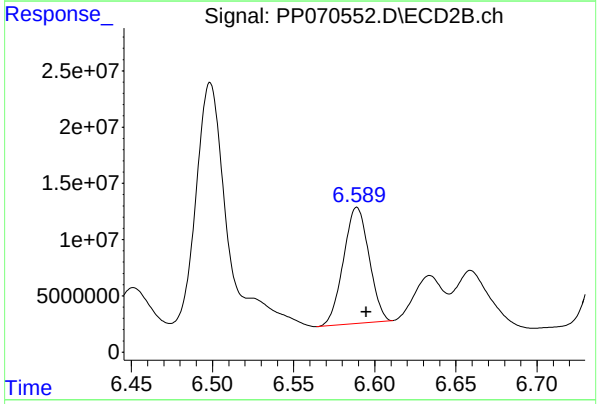
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 mi
Response: 305222447
Conc: 3720.27 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC9

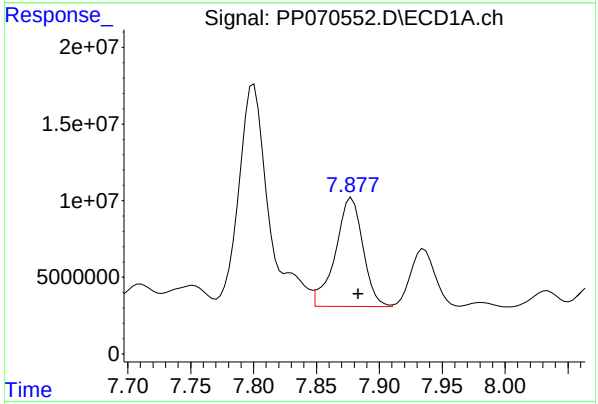
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



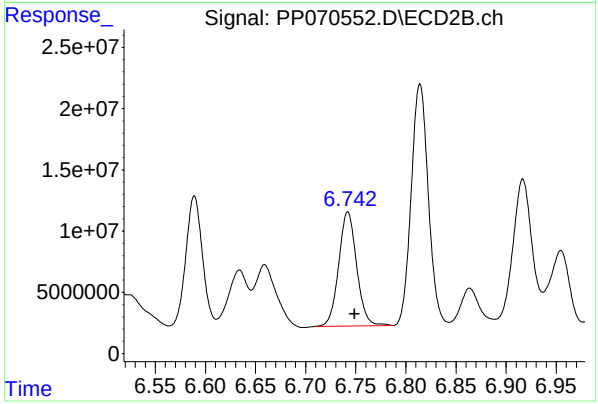
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 113526394
Conc: 1717.82 ng/ml



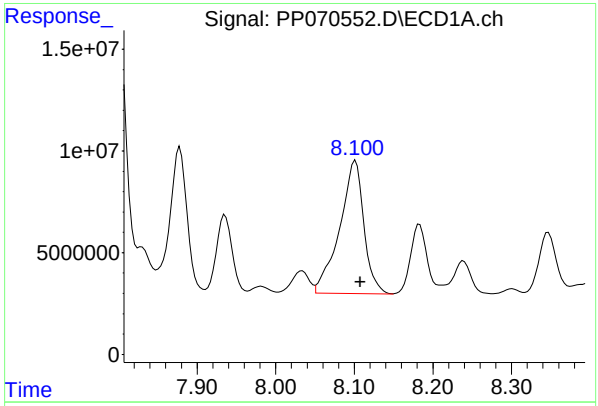
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 108345724
Conc: 1647.65 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 116203196
Conc: 2031.62 ng/ml



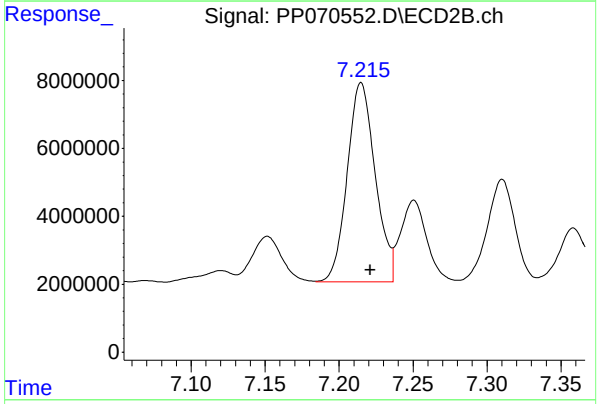
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.006 mi
Response: 140281122
Conc: 2146.85 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC9

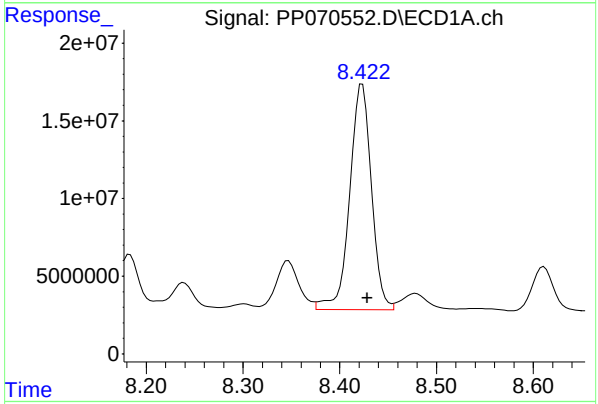
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



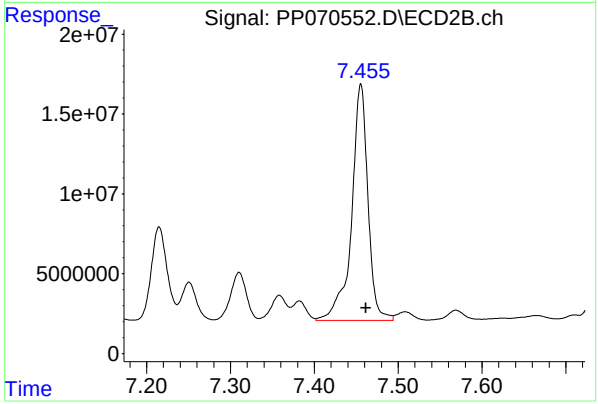
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 77113385
Conc: 1507.19 ng/ml



#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 min
Response: 226617111
Conc: 1658.04 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 200235854
Conc: 1554.80 ng/ml

Raw Data: **PP070579.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC9DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-01DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	69.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070579.D	10	03/14/25 12:25	03/17/25 10:30	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	243	UD	56.6	243	ug/kg
11104-28-2	Aroclor-1221	243	UD	57.7	243	ug/kg
11141-16-5	Aroclor-1232	243	UD	53.3	243	ug/kg
53469-21-9	Aroclor-1242	243	UD	57.4	243	ug/kg
12672-29-6	Aroclor-1248	12000	ED	84.8	243	ug/kg
11097-69-1	Aroclor-1254	243	UD	46.0	243	ug/kg
37324-23-5	Aroclor-1262	243	UD	71.9	243	ug/kg
11100-14-4	Aroclor-1268	243	UD	51.5	243	ug/kg
11096-82-5	Aroclor-1260	1800	D	46.2	243	ug/kg
Total PCBs	Total PCBs	14000	D	131	243	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.2		32 - 144	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	69.3	*	32 - 175	347%	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: **PP070579.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:30
Operator : YP\AJ
Sample : Q1572-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:33:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.524	3.826	4034953	2726384	2.594	2.720m	
2)	SA Decachlor...	10.246	8.866	2469430	6778717	2.325	6.929	#
	Target Compounds							
21)	L5 AR-1248-1	5.677	4.914	52263753	39285232	1530.150	1673.454	
22)	L5 AR-1248-2	5.948	5.151	123.4E6	84529385	2905.966	2700.322	
23)	L5 AR-1248-3	6.150	5.193	131.6E6	83515364	2852.593	2632.762	
24)	L5 AR-1248-4	6.550	5.366	155.5E6	104.0E6	2681.672	2669.172	
25)	L5 AR-1248-5	6.589	5.761	145.6E6	101.8E6	2712.599	2674.101	
31)	L7 AR-1260-1	7.270	6.413	22615423	41197934	385.021	827.527	#
32)	L7 AR-1260-2	7.522	6.590	42270666	18234393	515.226	275.913	#
33)	L7 AR-1260-3	7.882	6.743	15149722	18620535	230.387	325.549	#
34)	L7 AR-1260-4	8.105	7.217	19899144	11950440	304.535	233.573	
35)	L7 AR-1260-5	8.428	7.456	31484537	29402369	230.356	228.305	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:30
Operator : YP\AJ
Sample : Q1572-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

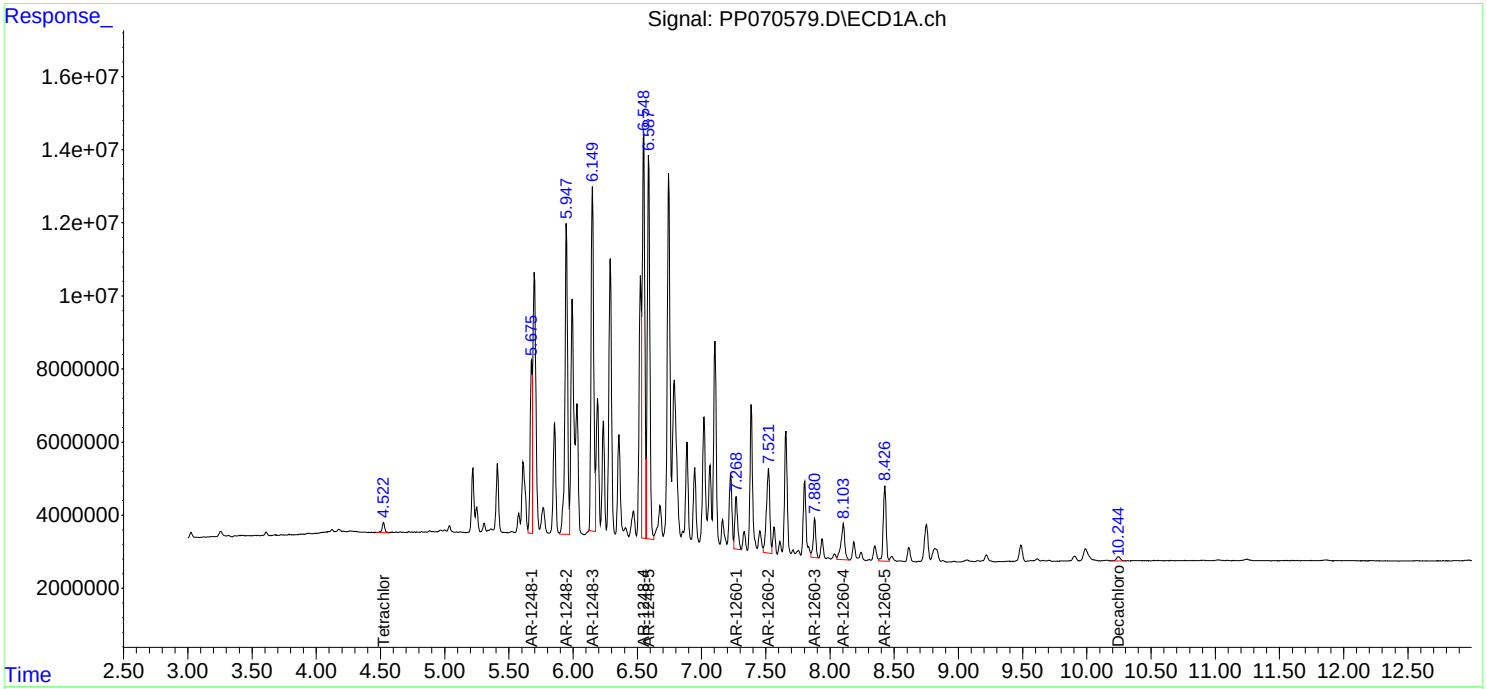
Instrument :
ECD_P
ClientSampleId :
C0AC9DL

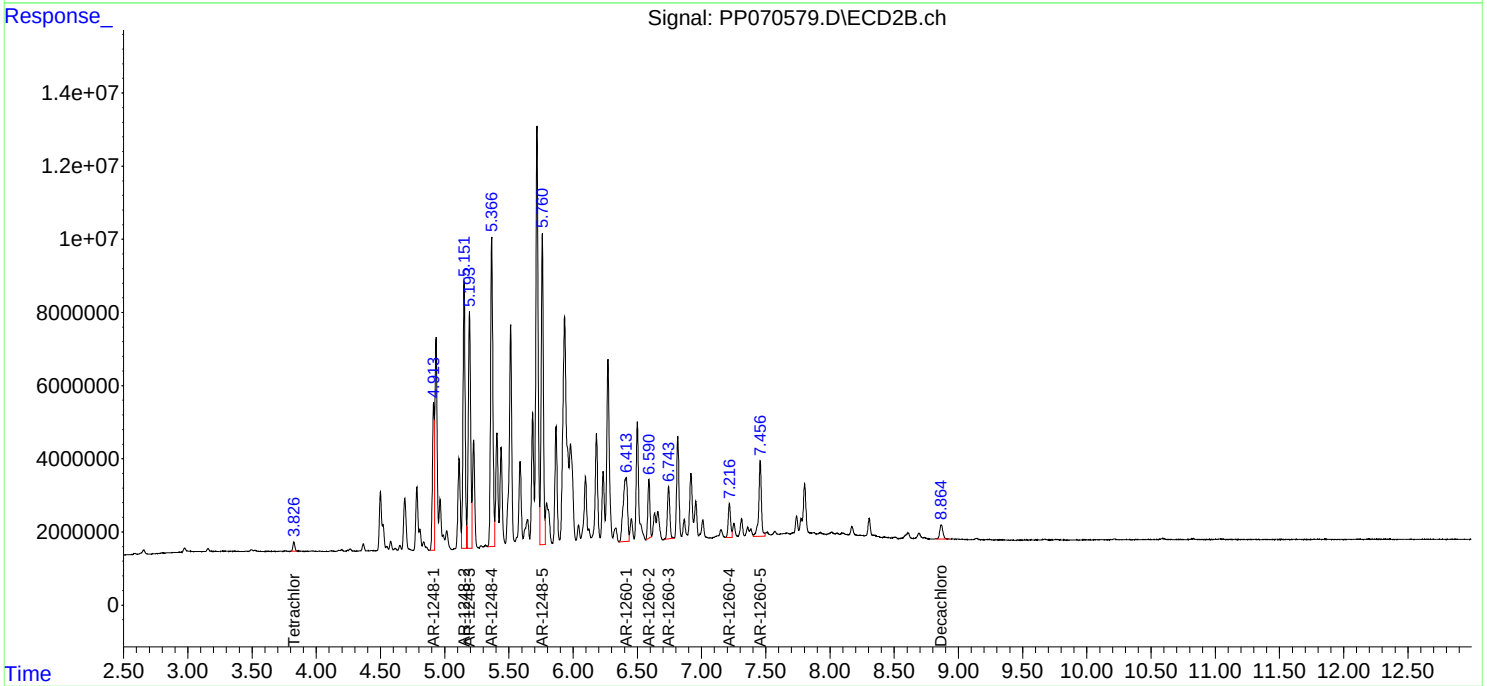
Manual Integrations APPROVED

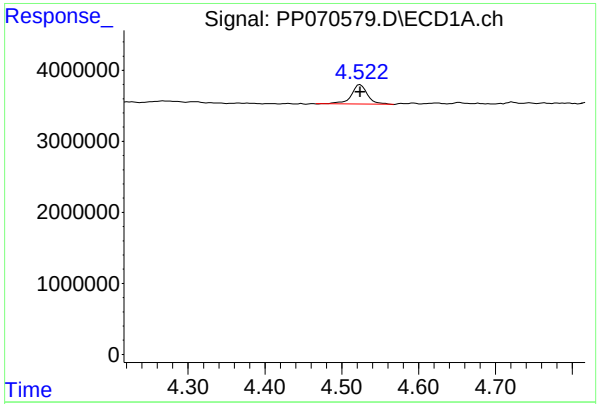
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:33:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







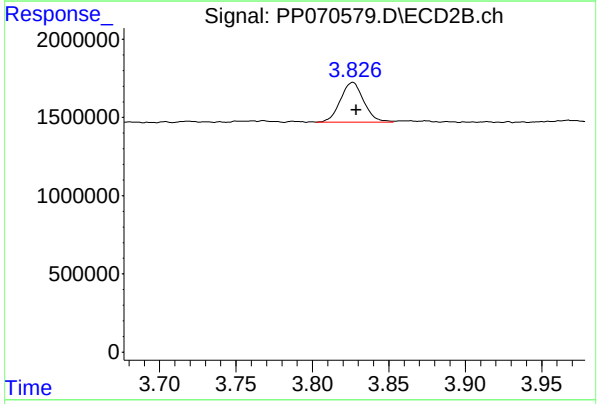
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.000 mi
Response: 4034953
Conc: 2.59 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

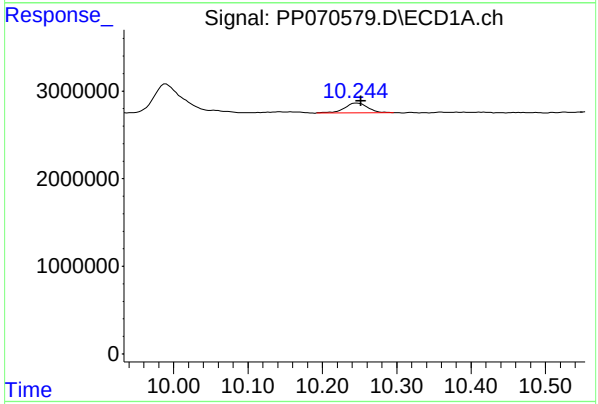
Manual Integrations
APPROVED

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



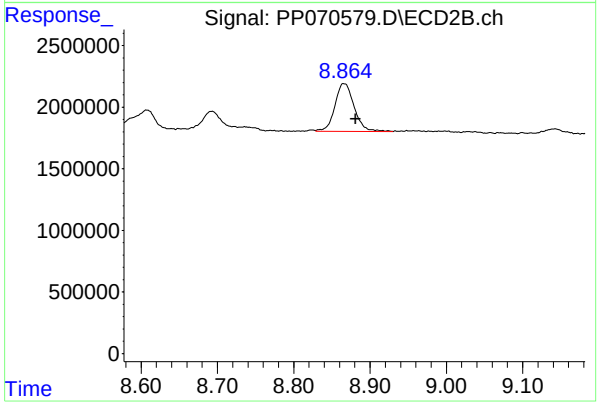
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 2726384
Conc: 2.72 ng/ml m



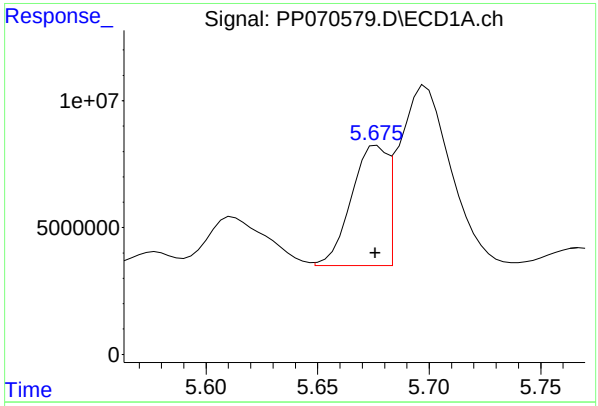
#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: -0.006 min
Response: 2469430
Conc: 2.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.866 min
Delta R.T.: -0.015 min
Response: 6778717
Conc: 6.93 ng/ml



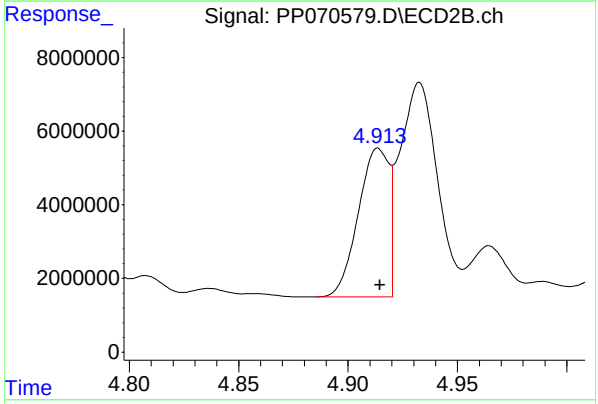
#21 AR-1248-1

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 52263753
Conc: 1530.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

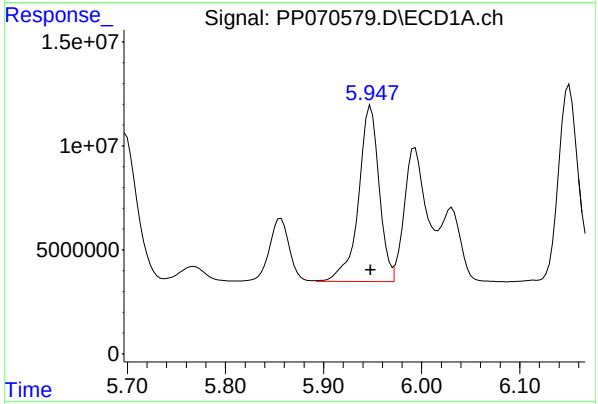
Manual Integrations
APPROVED

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



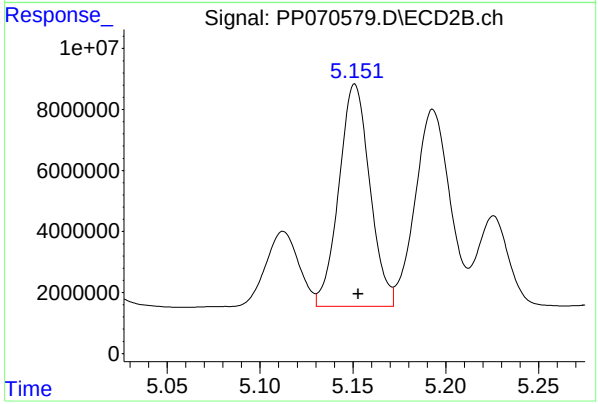
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 39285232
Conc: 1673.45 ng/ml



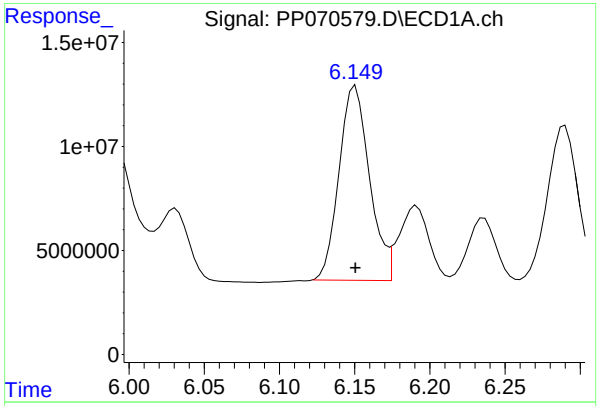
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 123350328
Conc: 2905.97 ng/ml



#22 AR-1248-2

R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 84529385
Conc: 2700.32 ng/ml



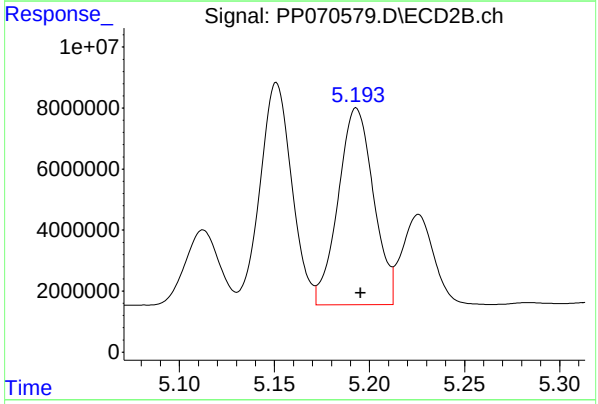
#23 AR-1248-3

R.T.: 6.150 min
Delta R.T.: 0.000 min
Response: 131643303
Conc: 2852.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

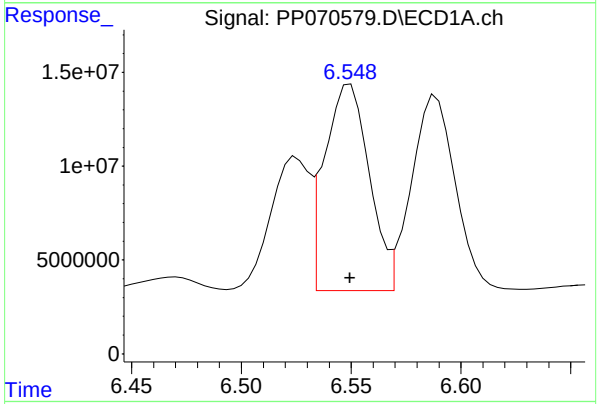
Manual Integrations APPROVED

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



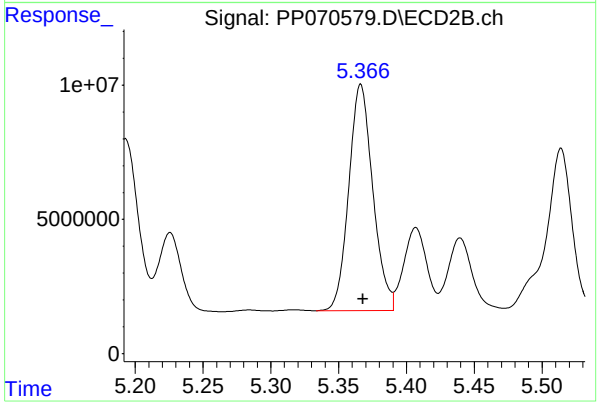
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 83515364
Conc: 2632.76 ng/ml



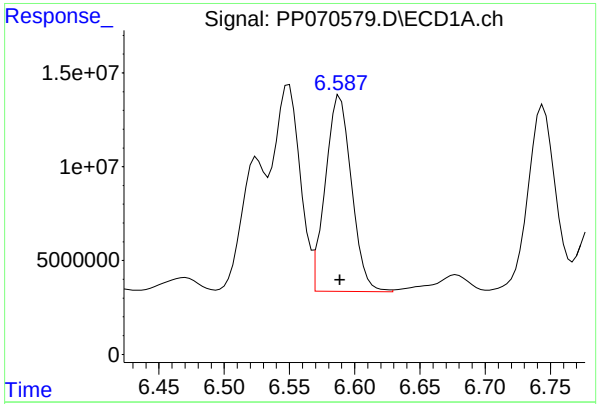
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 155513519
Conc: 2681.67 ng/ml



#24 AR-1248-4

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 104026113
Conc: 2669.17 ng/ml



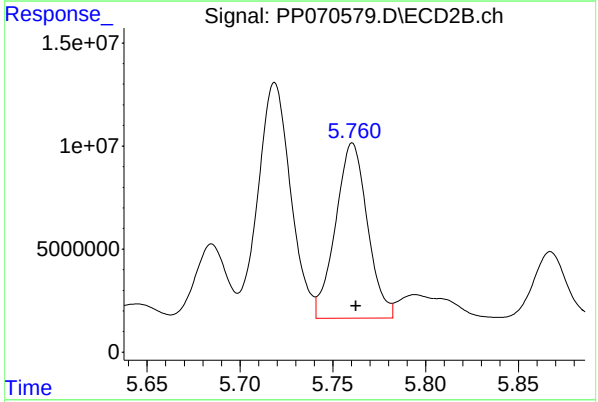
#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 mi
Response: 145632283
Conc: 2712.60 ng/m

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

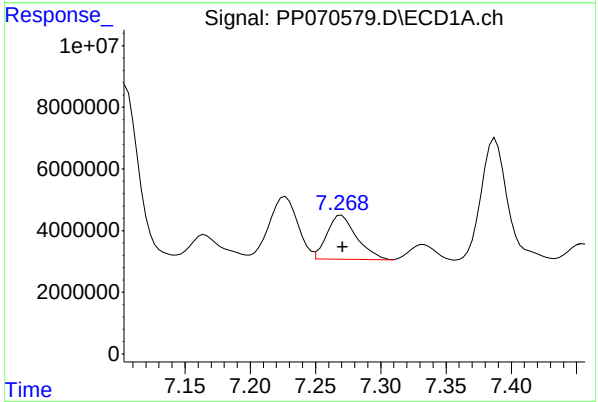
Manual Integrations APPROVED

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



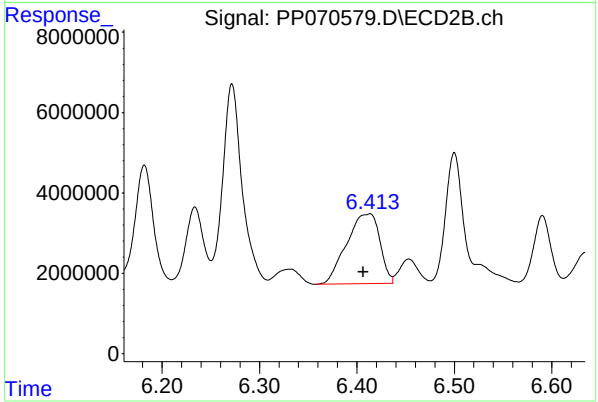
#25 AR-1248-5

R.T.: 5.761 min
Delta R.T.: -0.002 min
Response: 101847644
Conc: 2674.10 ng/ml



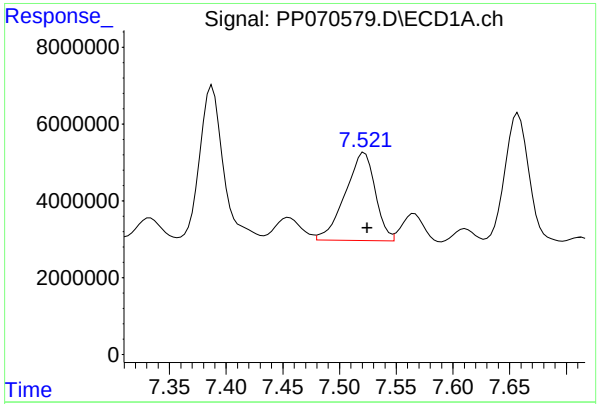
#31 AR-1260-1

R.T.: 7.270 min
Delta R.T.: -0.001 min
Response: 22615423
Conc: 385.02 ng/ml



#31 AR-1260-1

R.T.: 6.413 min
Delta R.T.: 0.007 min
Response: 41197934
Conc: 827.53 ng/ml



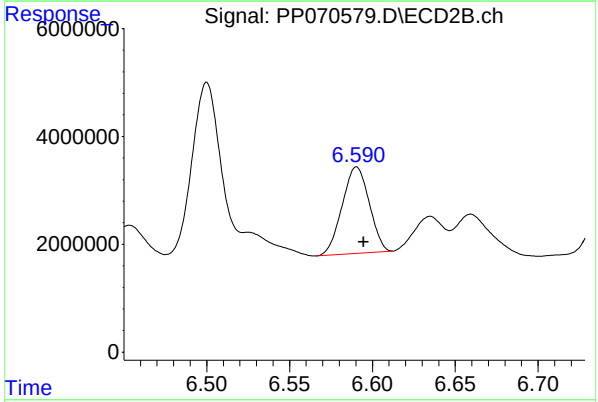
#32 AR-1260-2

R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 42270666
Conc: 515.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

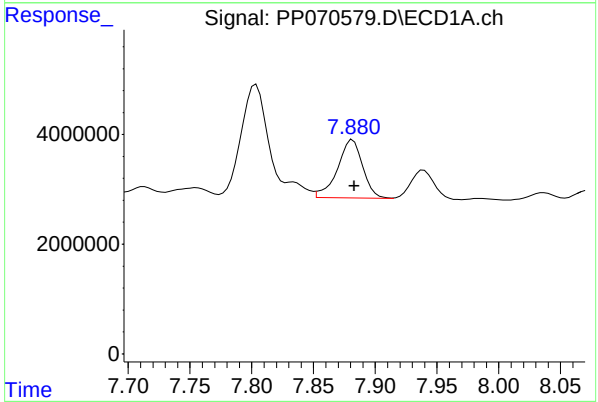
Manual Integrations
APPROVED

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



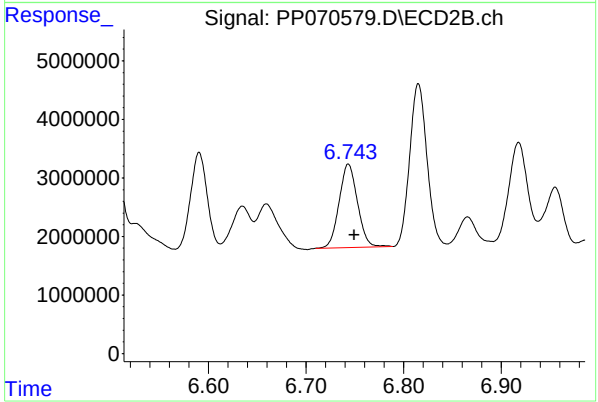
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.004 min
Response: 18234393
Conc: 275.91 ng/ml



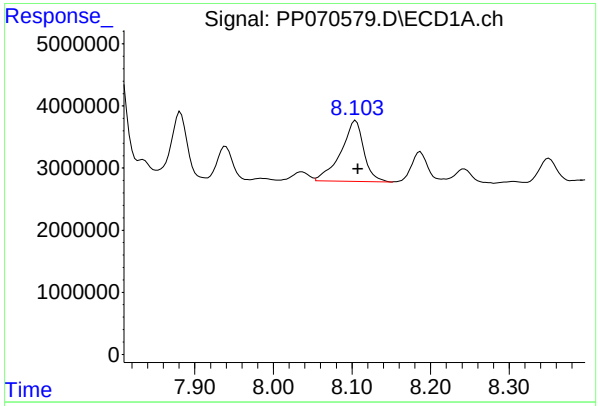
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.001 min
Response: 15149722
Conc: 230.39 ng/ml



#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 18620535
Conc: 325.55 ng/ml



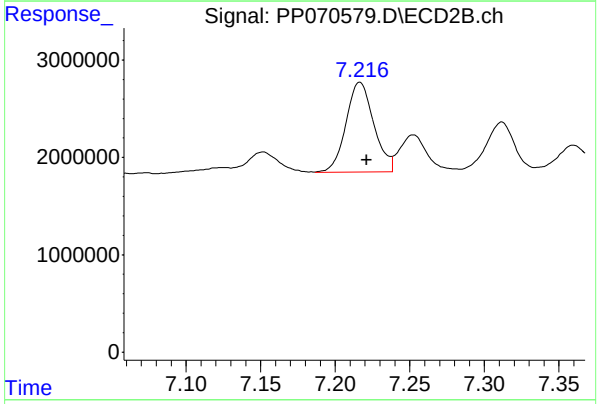
#34 AR-1260-4

R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 19899144
Conc: 304.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL

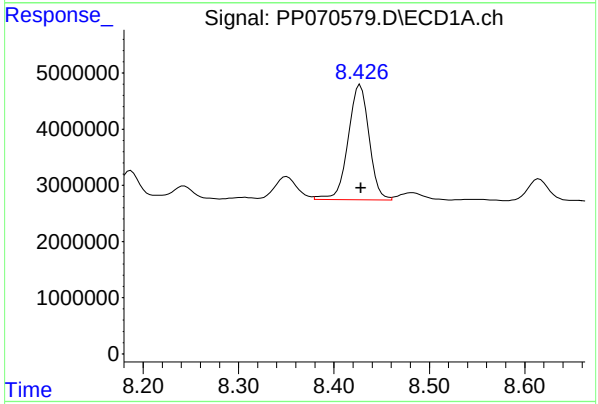
Manual Integrations APPROVED

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



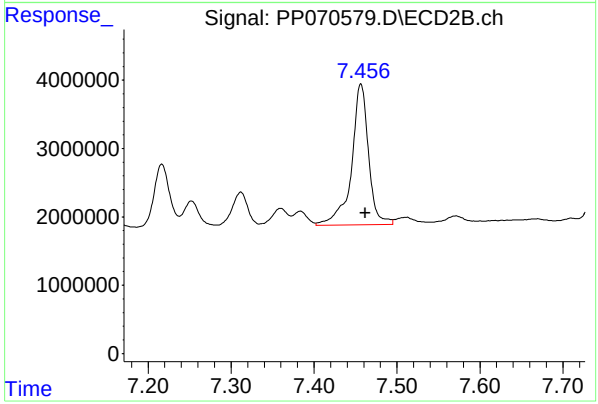
#34 AR-1260-4

R.T.: 7.217 min
Delta R.T.: -0.005 min
Response: 11950440
Conc: 233.57 ng/ml



#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 31484537
Conc: 230.36 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.005 min
Response: 29402369
Conc: 228.31 ng/ml

Raw Data: **PP070580.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0AC9DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-01DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	69.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070580.D	50	03/14/25 12:25	03/17/25 10:46	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	1200	UD	283	1200	ug/kg
11104-28-2	Aroclor-1221	1200	UD	289	1200	ug/kg
11141-16-5	Aroclor-1232	1200	UD	266	1200	ug/kg
53469-21-9	Aroclor-1242	1200	UD	287	1200	ug/kg
12672-29-6	Aroclor-1248	16000	D	424	1200	ug/kg
11097-69-1	Aroclor-1254	1200	UD	230	1200	ug/kg
37324-23-5	Aroclor-1262	1200	UD	359	1200	ug/kg
11100-14-4	Aroclor-1268	1200	UD	258	1200	ug/kg
11096-82-5	Aroclor-1260	2300	D	231	1200	ug/kg
Total PCBs	Total PCBs	18000	D	655	1200	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:46
Operator : YP\AJ
Sample : Q1572-01DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
	Target Compounds							
21)	L5 AR-1248-1	5.677	4.913	13010983	10579238	380.929	450.650	
22)	L5 AR-1248-2	5.948	5.150	30488987	22976822	718.279	734.003	
23)	L5 AR-1248-3	6.151	5.193	32259976	22582971	699.045	711.912	
24)	L5 AR-1248-4	6.550	5.366	38201436	27645315	658.745	709.342	
25)	L5 AR-1248-5	6.589	5.759	36183299	26346083	673.963	691.740	
31)	L7 AR-1260-1	7.270	6.412	5013842	10236688	85.359	205.620	#
32)	L7 AR-1260-2	7.523	6.589	9684448	4552041	118.041	68.879	#
33)	L7 AR-1260-3	7.882	6.743	3214203	4822735	48.880	84.317	#
34)	L7 AR-1260-4	8.106	7.216	4463033	3108448	68.302	60.755	
35)	L7 AR-1260-5	8.427	7.456	6890087	7600202	50.411	59.015	

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

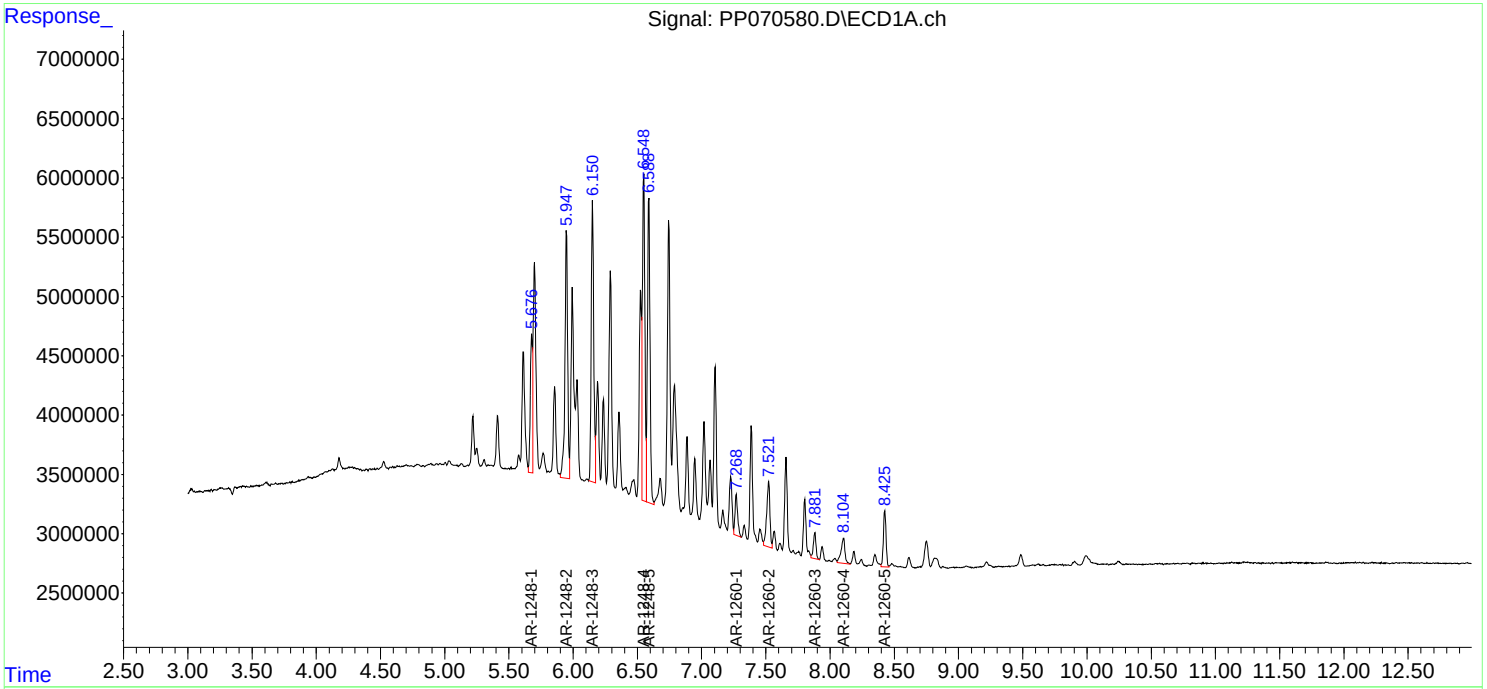
Sample Results: **PP070580.D**

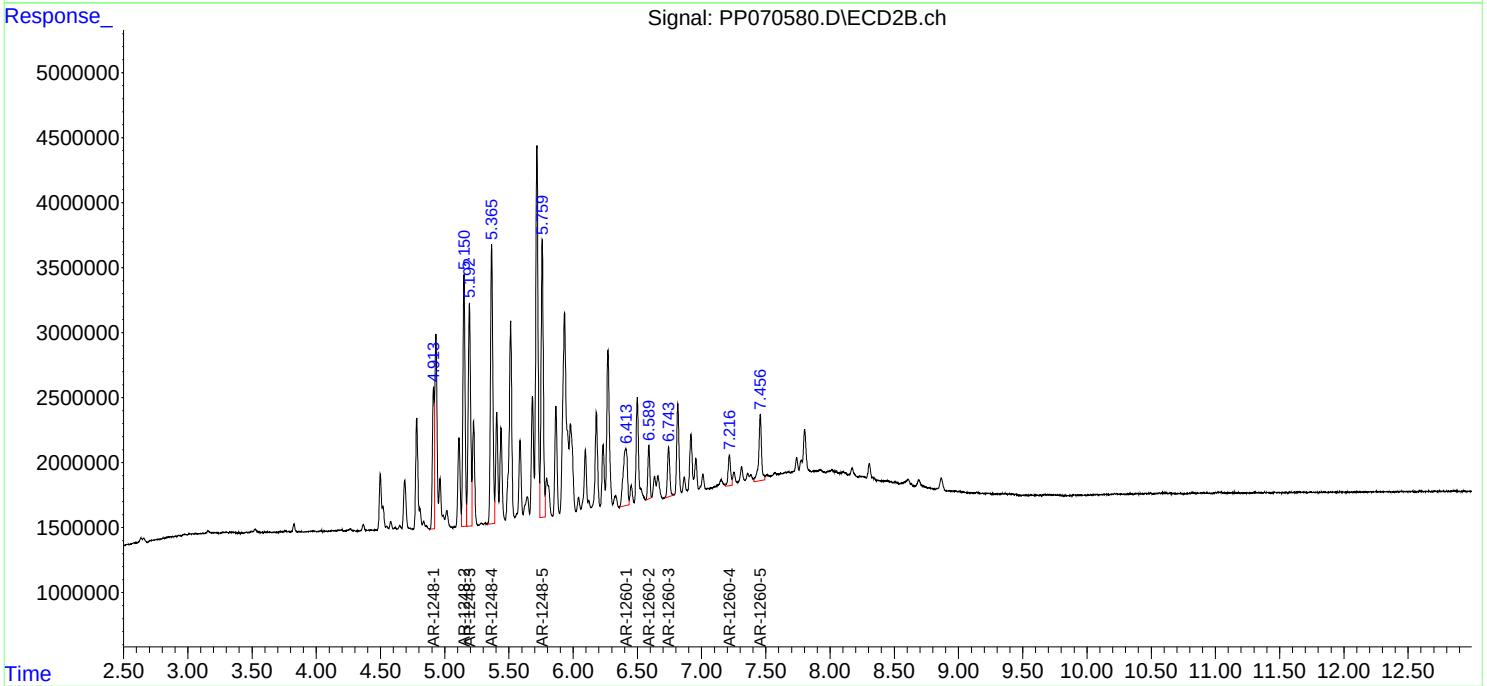
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:46
Operator : YP\AJ
Sample : Q1572-01DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

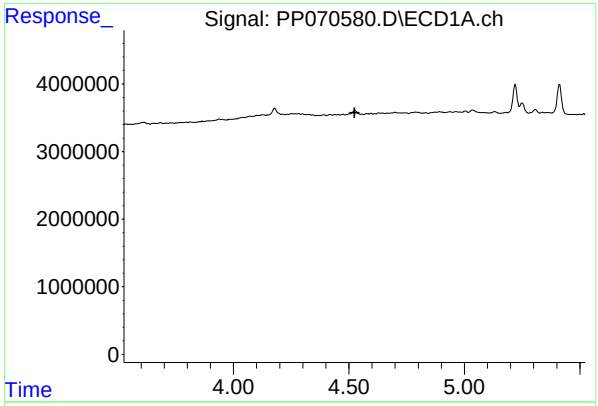
Instrument :
ECD_P
ClientSampleId :
C0AC9DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



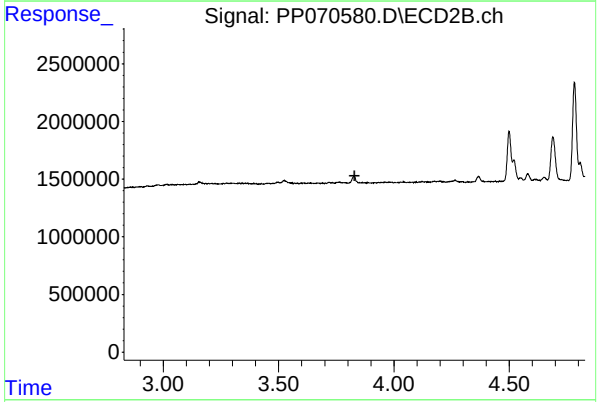




#1 Tetrachloro-m-xylene

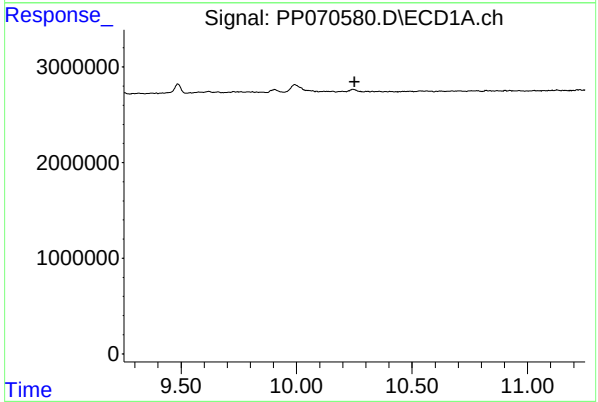
R.T.: 0.000 min
Exp R.T. : 4.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2



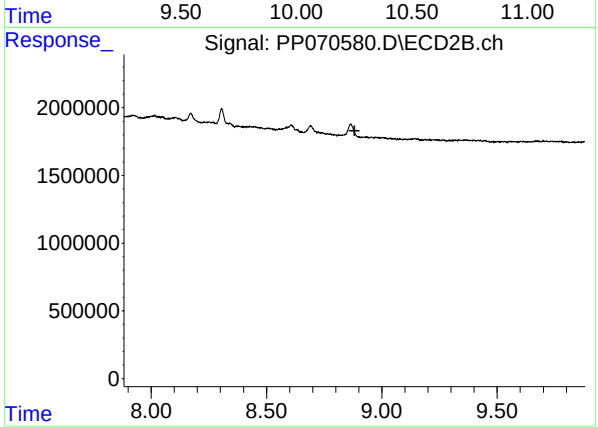
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.829 min
Response: 0
Conc: N.D.



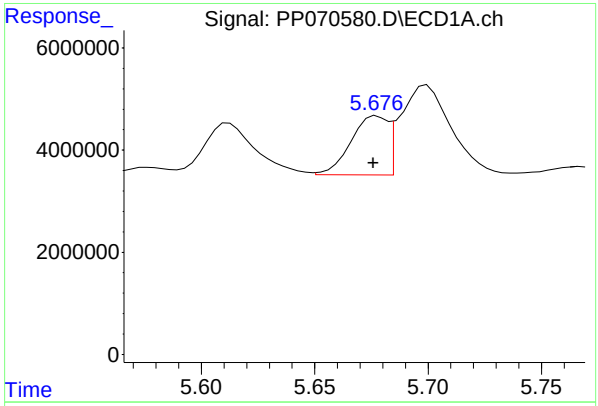
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.252 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

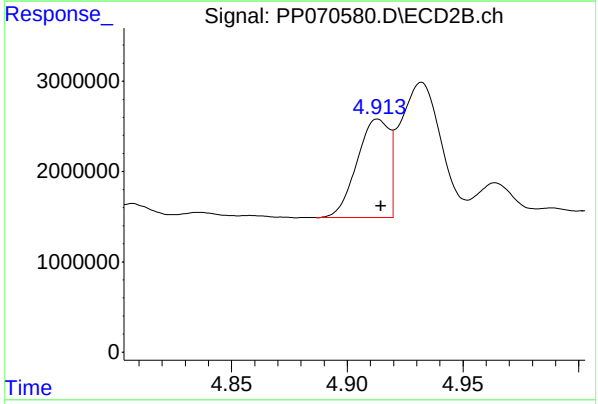
R.T.: 0.000 min
Exp R.T. : 8.881 min
Response: 0
Conc: N.D.



#21 AR-1248-1

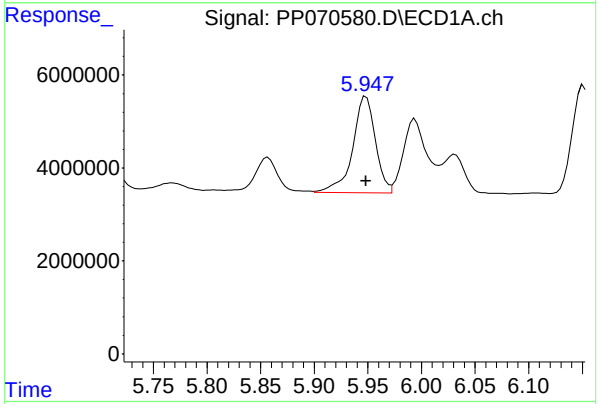
R.T.: 5.677 min
Delta R.T.: 0.001 min
Response: 13010983
Conc: 380.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2



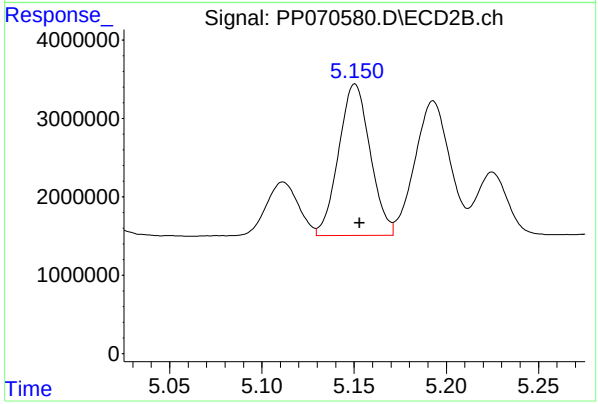
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 10579238
Conc: 450.65 ng/ml



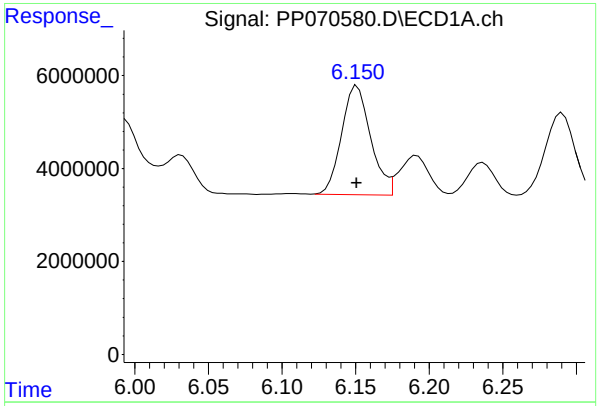
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 30488987
Conc: 718.28 ng/ml



#22 AR-1248-2

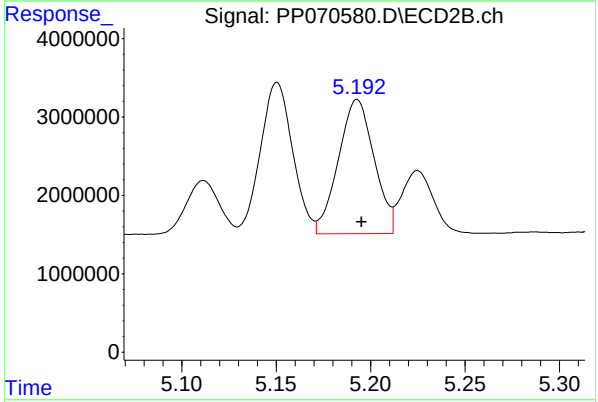
R.T.: 5.150 min
Delta R.T.: -0.002 min
Response: 22976822
Conc: 734.00 ng/ml



#23 AR-1248-3

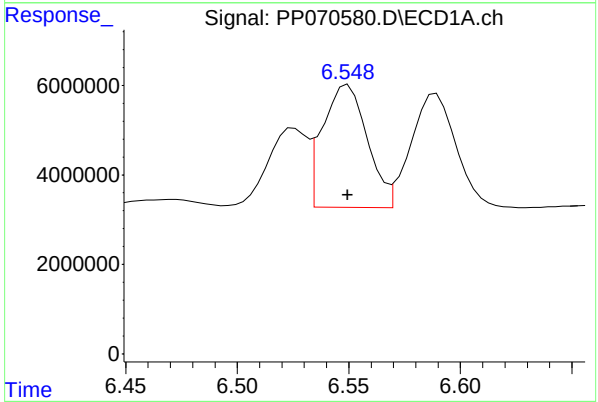
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 32259976
Conc: 699.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2



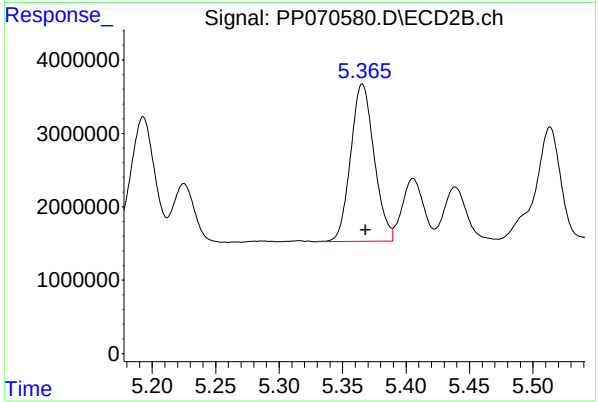
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 22582971
Conc: 711.91 ng/ml



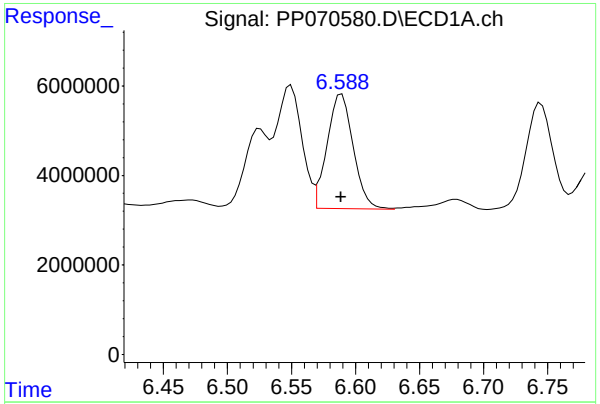
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 38201436
Conc: 658.74 ng/ml



#24 AR-1248-4

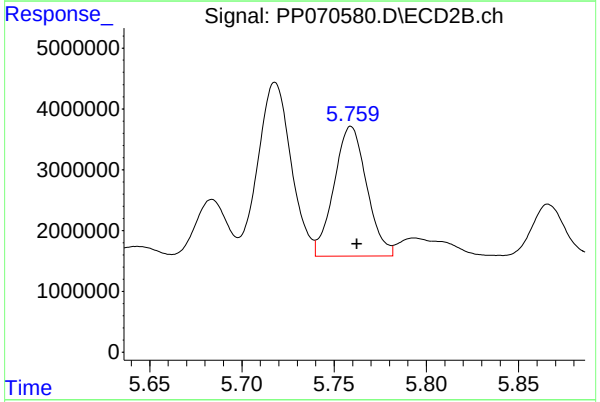
R.T.: 5.366 min
Delta R.T.: -0.003 min
Response: 27645315
Conc: 709.34 ng/ml



#25 AR-1248-5

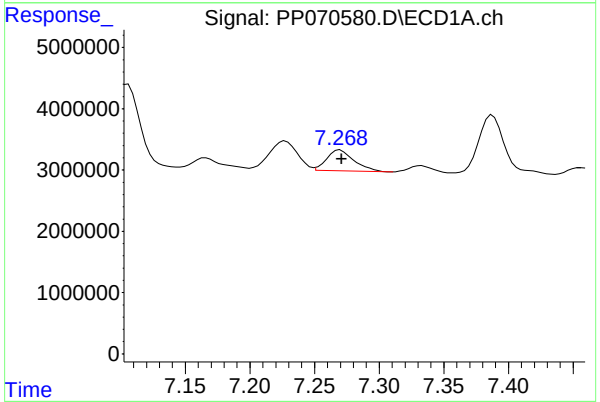
R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 36183299
Conc: 673.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2



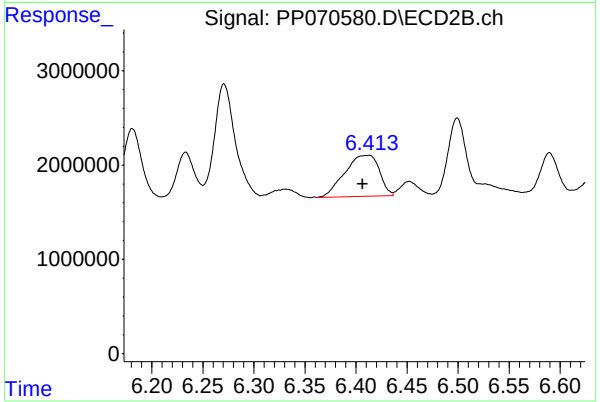
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.003 min
Response: 26346083
Conc: 691.74 ng/ml



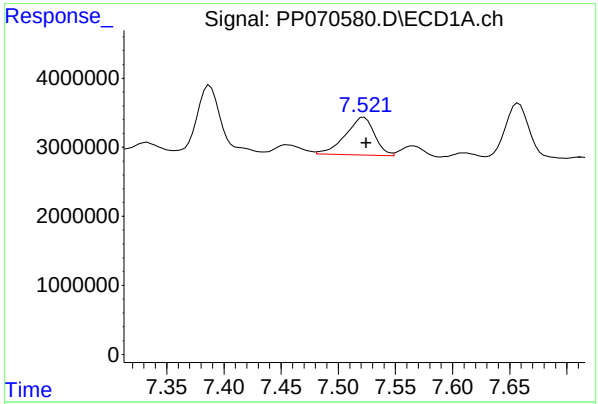
#31 AR-1260-1

R.T.: 7.270 min
Delta R.T.: -0.001 min
Response: 5013842
Conc: 85.36 ng/ml



#31 AR-1260-1

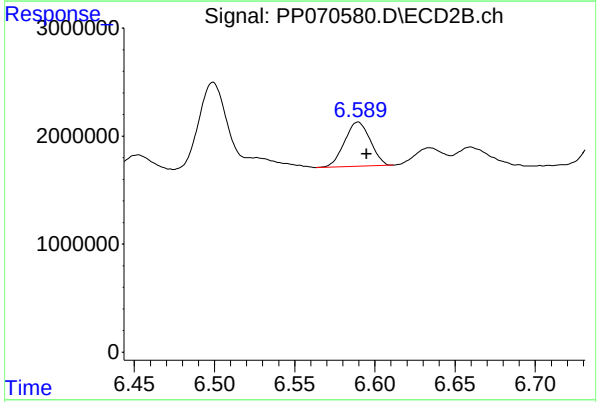
R.T.: 6.412 min
Delta R.T.: 0.006 min
Response: 10236688
Conc: 205.62 ng/ml



#32 AR-1260-2

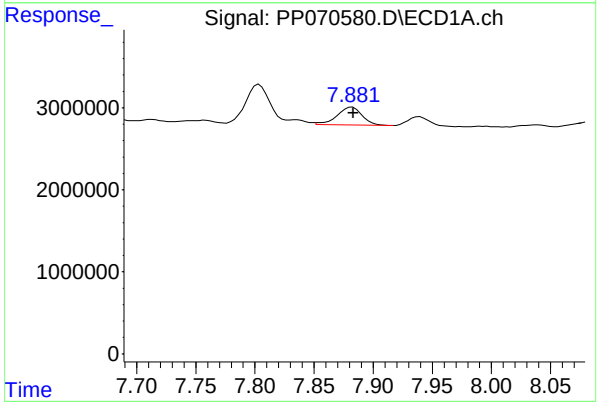
R.T.: 7.523 min
Delta R.T.: -0.002 min
Response: 9684448
Conc: 118.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2



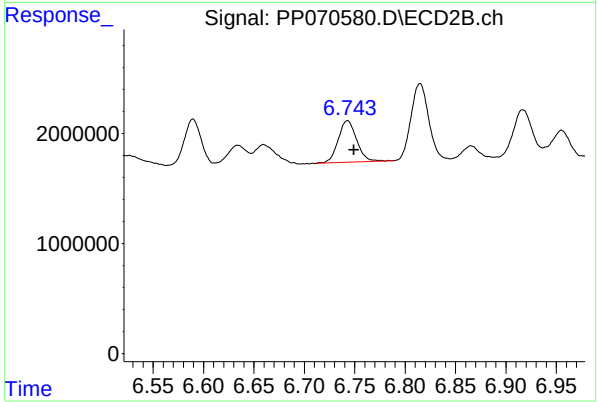
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 4552041
Conc: 68.88 ng/ml



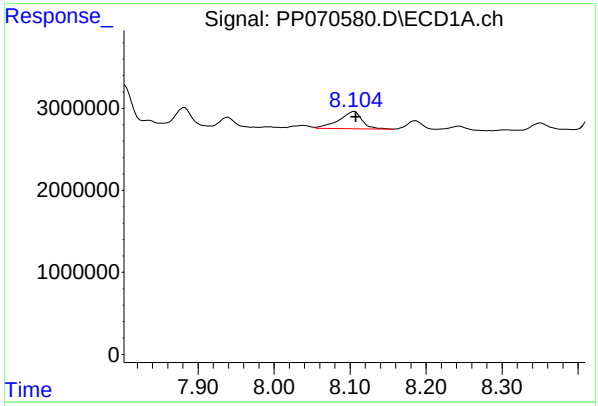
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 3214203
Conc: 48.88 ng/ml



#33 AR-1260-3

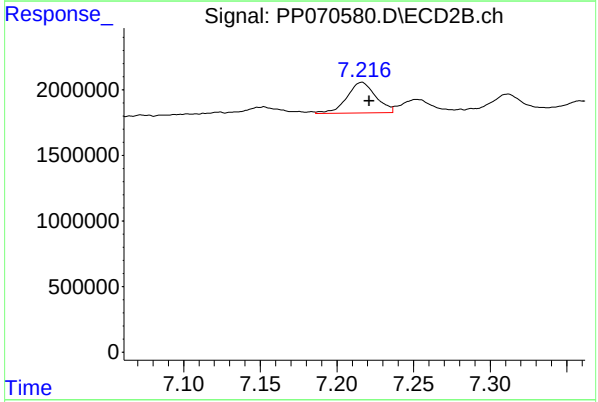
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 4822735
Conc: 84.32 ng/ml



#34 AR-1260-4

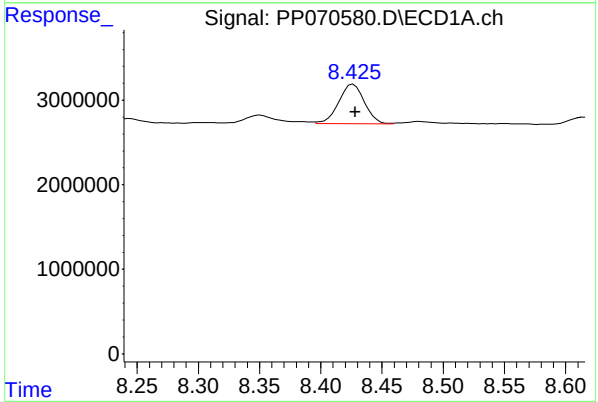
R.T.: 8.106 min
Delta R.T.: -0.002 min
Response: 4463033
Conc: 68.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0AC9DL2



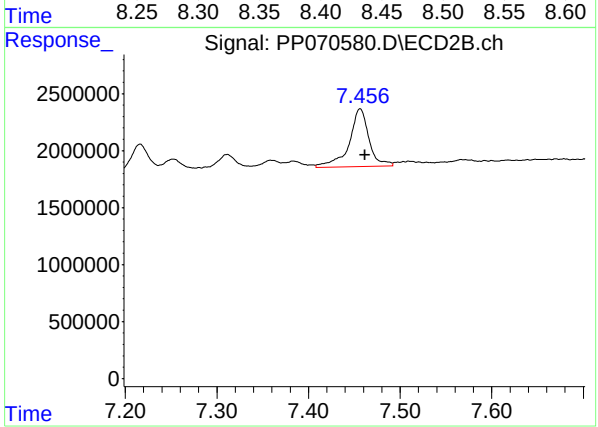
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 3108448
Conc: 60.76 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.002 min
Response: 6890087
Conc: 50.41 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.005 min
Response: 7600202
Conc: 59.01 ng/ml

Raw Data: **PP070553.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O14	SDG No.:	Q1572
Lab Sample ID:	Q1572-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070553.D	1	03/14/25 12:25	03/14/25 23:57	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	21.6	U	5.00	21.6	ug/kg
11104-28-2	Aroclor-1221	21.6	U	5.10	21.6	ug/kg
11141-16-5	Aroclor-1232	21.6	U	4.70	21.6	ug/kg
53469-21-9	Aroclor-1242	21.6	U	5.10	21.6	ug/kg
12672-29-6	Aroclor-1248	8200	E	7.50	21.6	ug/kg
11097-69-1	Aroclor-1254	21.6	U	4.10	21.6	ug/kg
37324-23-5	Aroclor-1262	21.6	U	6.40	21.6	ug/kg
11100-14-4	Aroclor-1268	21.6	U	4.60	21.6	ug/kg
11096-82-5	Aroclor-1260	1100	E	4.10	21.6	ug/kg
Total PCBs	Total PCBs	9200	E	11.6	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	31.7		32 - 175	159%	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: **PP070553.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 23:57
Operator : YP\AJ
Sample : Q1572-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O14

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:00:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.825	30836448	20650588	19.826	20.604
2)	SA Decachlor...	10.239	8.872	24055790	31013354	22.644	31.699 #
	Target Compounds						
21)	L5 AR-1248-1	5.673	4.912	404.8E6	280.7E6	11851.673	11955.256
22)	L5 AR-1248-2	5.944	5.149	824.1E6	534.6E6	19414.047	17078.911
23)	L5 AR-1248-3	6.145	5.192	958.2E6	571.6E6	20762.312m	18018.649
24)	L5 AR-1248-4	6.545	5.365	1256.0E6	697.7E6	21657.592	17902.300
25)	L5 AR-1248-5	6.584	5.758	1215.0E6	803.0E6	22630.435	21083.570
31)	L7 AR-1260-1	7.266	6.412	164.6E6	171.5E6	2802.209	3444.902m
32)	L7 AR-1260-2	7.517	6.589	292.5E6	129.2E6	3565.261	1954.399 #
33)	L7 AR-1260-3	7.877	6.742	126.7E6	131.0E6	1926.471	2290.495
34)	L7 AR-1260-4	8.099	7.214	160.6E6	84070012	2458.082	1643.163 #
35)	L7 AR-1260-5	8.422	7.455	257.9E6	234.3E6	1886.664	1819.387

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 23:57
Operator : YP\AJ
Sample : Q1572-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

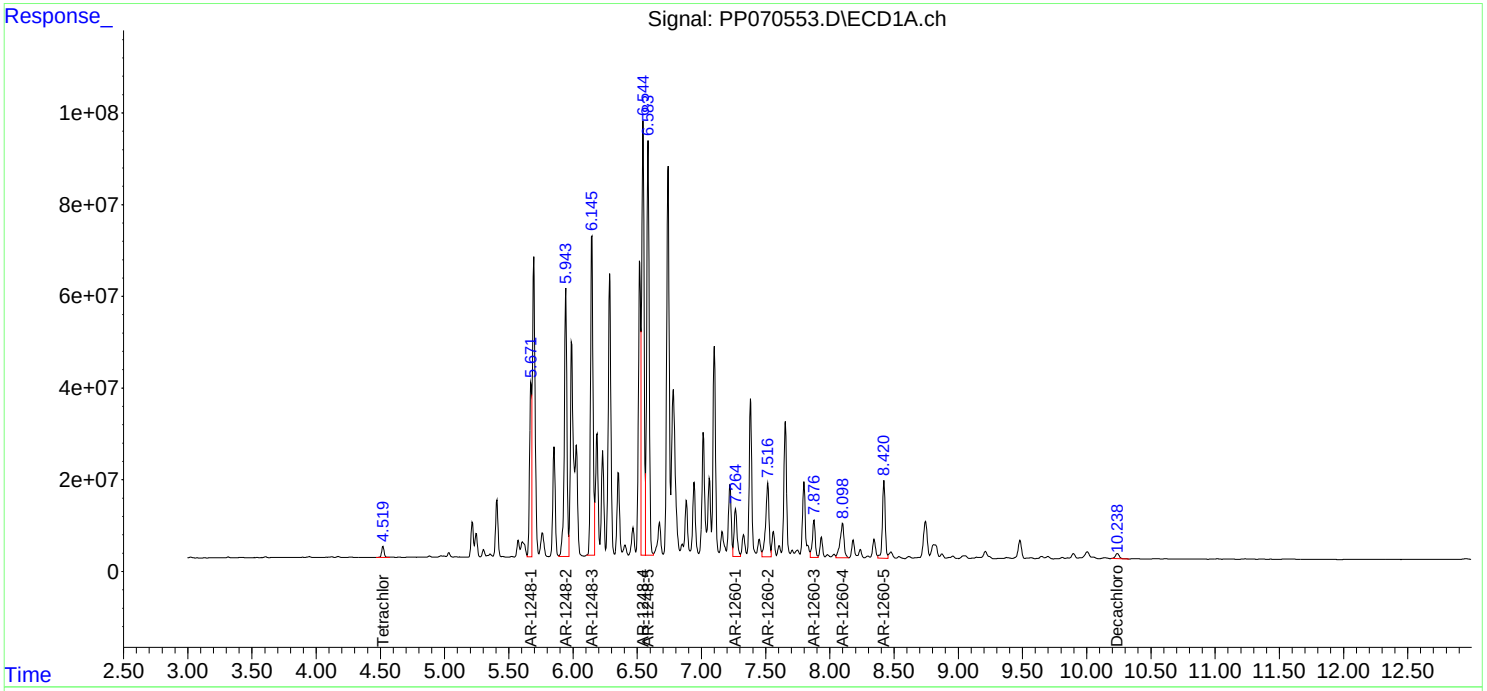
Instrument :
ECD_P
ClientSampleId :
C0O14

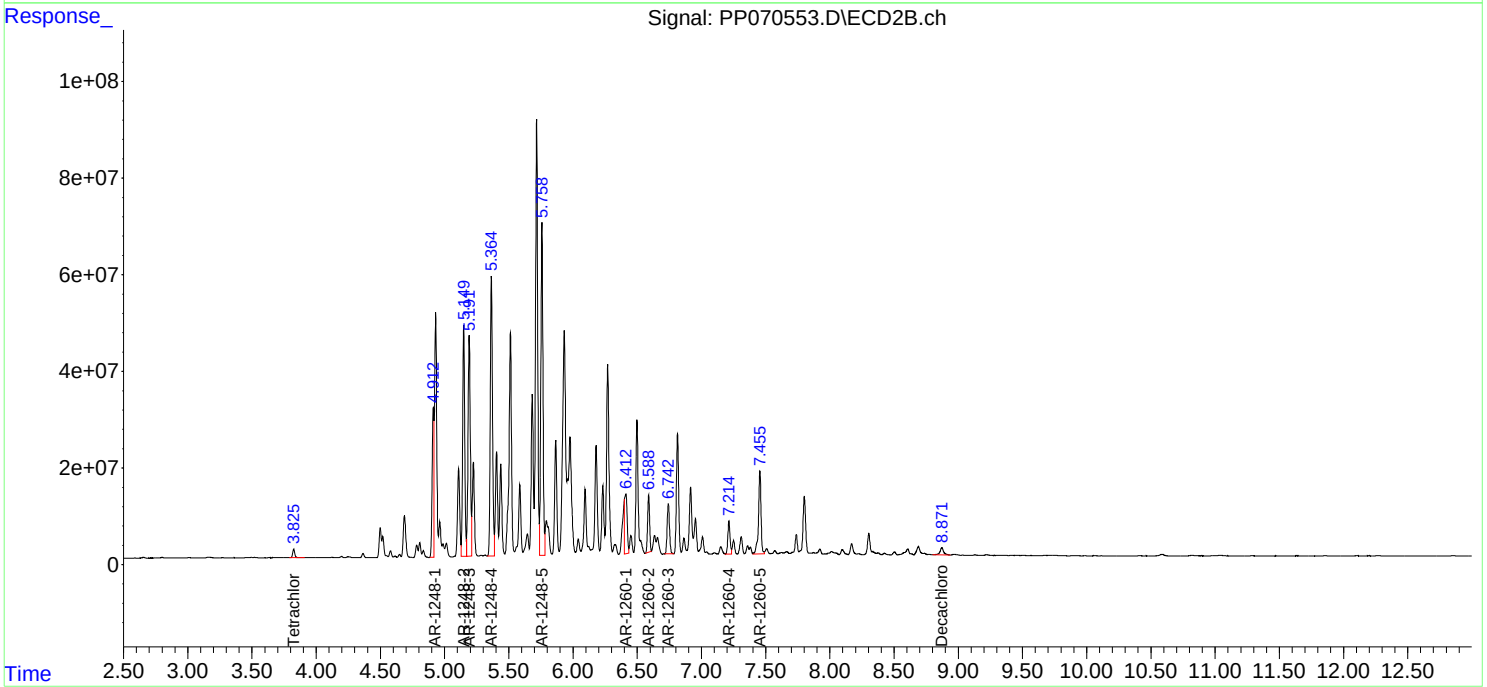
Manual Integrations APPROVED

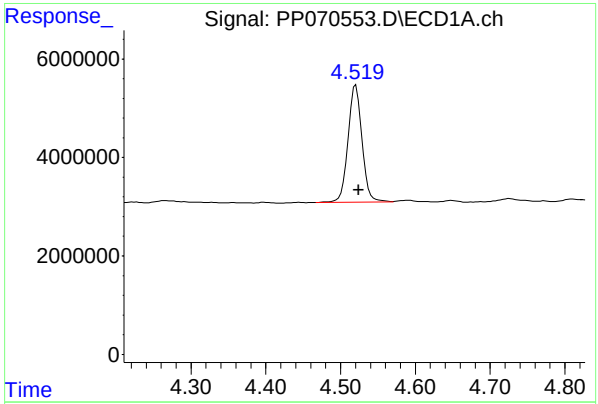
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:00:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







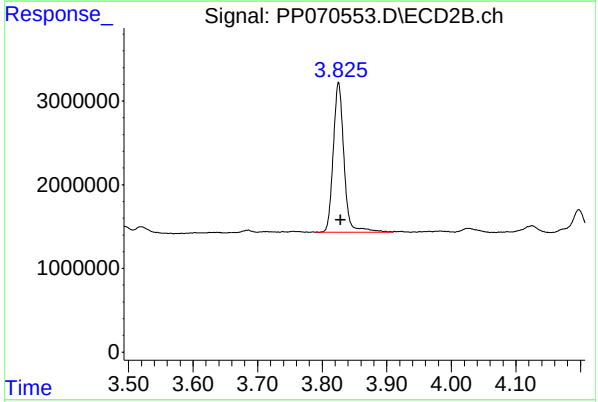
#1 Tetrachloro-m-xylene

R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 30836448
Conc: 19.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14

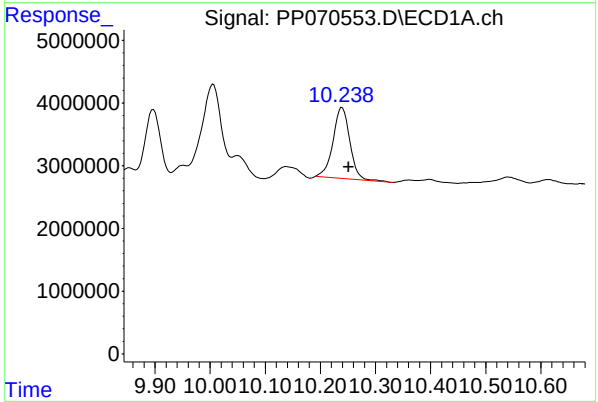
Manual Integrations
APPROVED

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



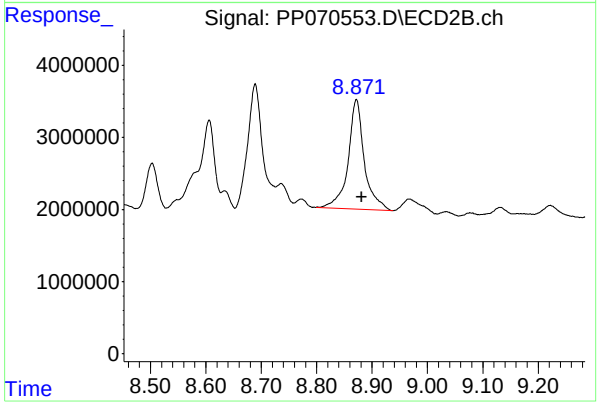
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 20650588
Conc: 20.60 ng/ml



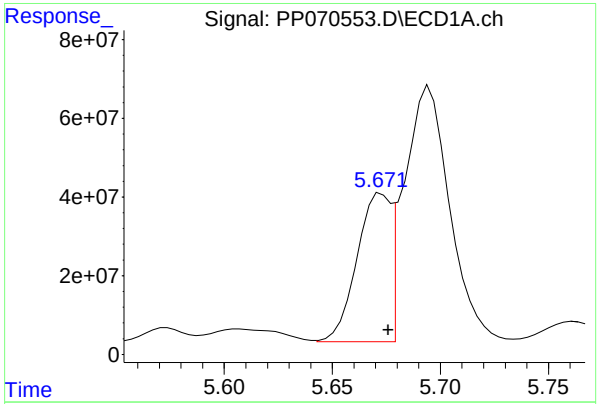
#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.012 min
Response: 24055790
Conc: 22.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 31013354
Conc: 31.70 ng/ml



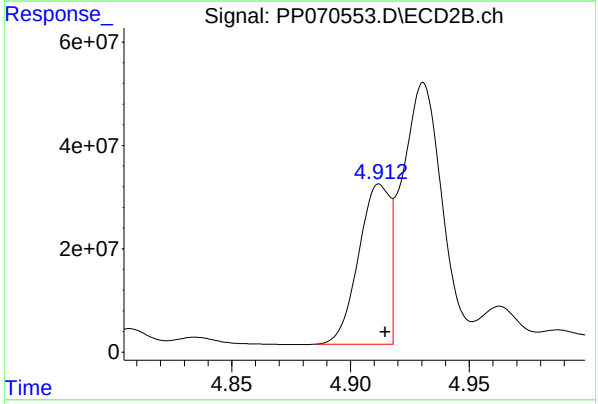
#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.003 min
Response: 404805250
Conc: 11851.67 ng/

Instrument :
ECD_P
ClientSampleId :
C0O14

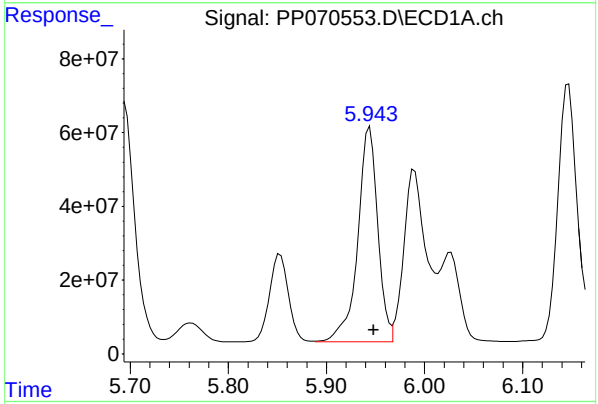
Manual Integrations
APPROVED

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



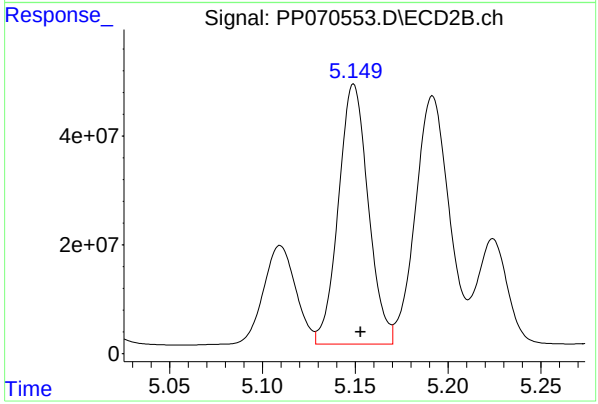
#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 280656010
Conc: 11955.26 ng/ml



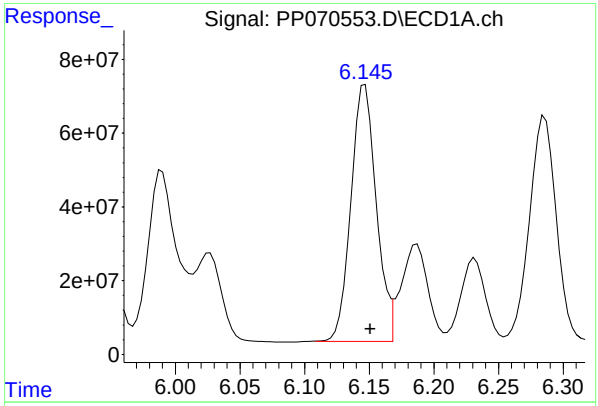
#22 AR-1248-2

R.T.: 5.944 min
Delta R.T.: -0.004 min
Response: 824073238
Conc: 19414.05 ng/ml



#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.004 min
Response: 534628779
Conc: 17078.91 ng/ml



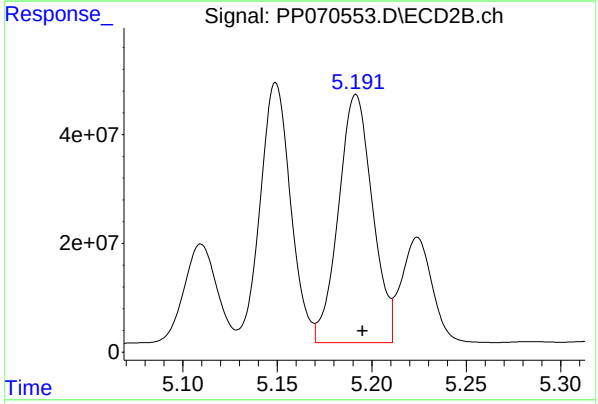
#23 AR-1248-3

R.T.: 6.145 min
Delta R.T.: -0.005 min
Response: 958152504
Conc: 20762.31 ng/

Instrument :
ECD_P
ClientSampleId :
C0O14

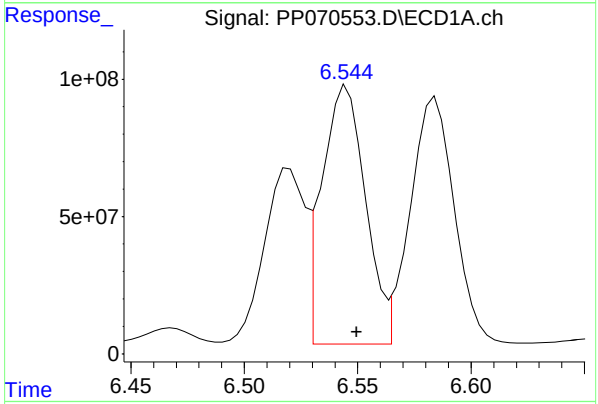
Manual Integrations
APPROVED

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



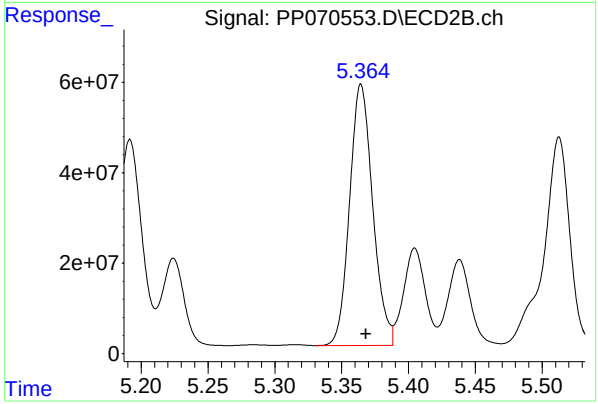
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.004 min
Response: 571579888
Conc: 18018.65 ng/ml



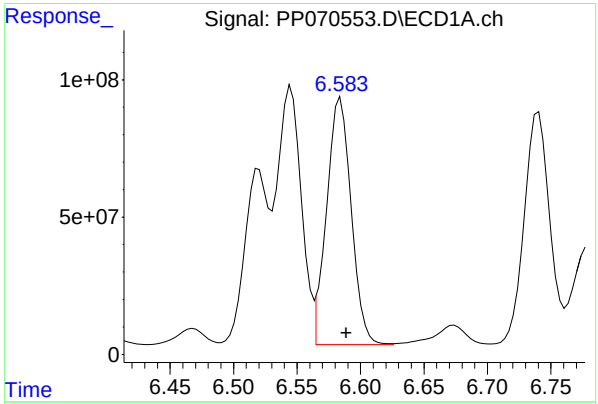
#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 1255951051
Conc: 21657.59 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.004 min
Response: 697709398
Conc: 17902.30 ng/ml



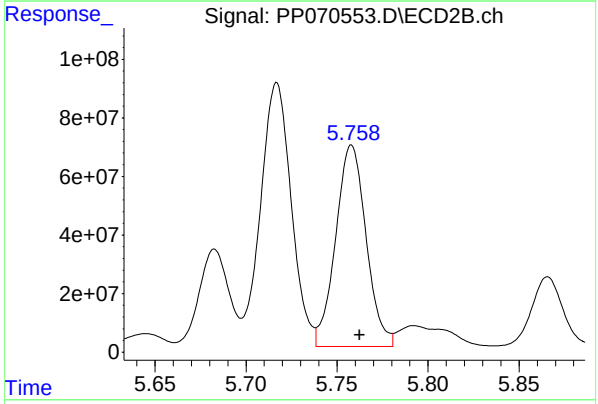
#25 AR-1248-5

R.T.: 6.584 min
Delta R.T.: -0.004 mi
Response: 1214968210
Conc: 22630.43 ng/

Instrument :
ECD_P
ClientSampleId :
C0O14

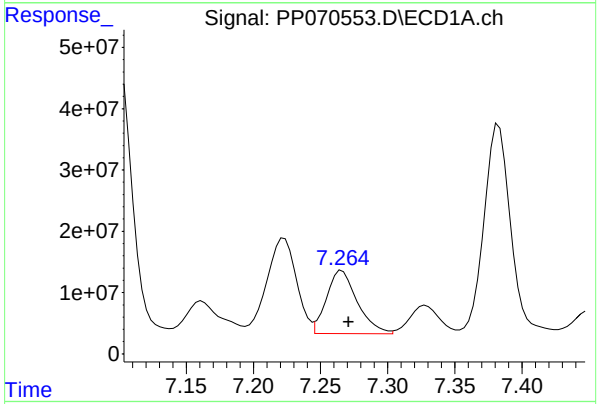
Manual Integrations
APPROVED

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



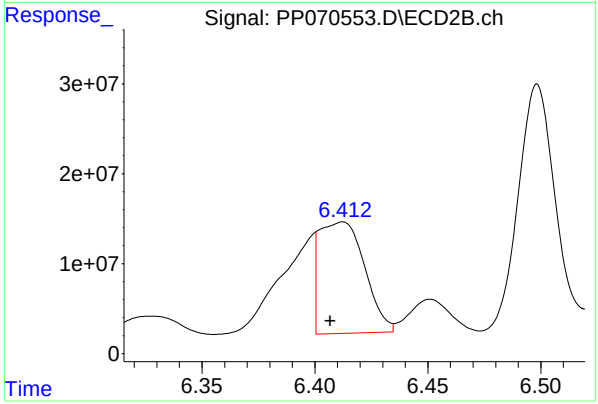
#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.005 min
Response: 803003148
Conc: 21083.57 ng/ml



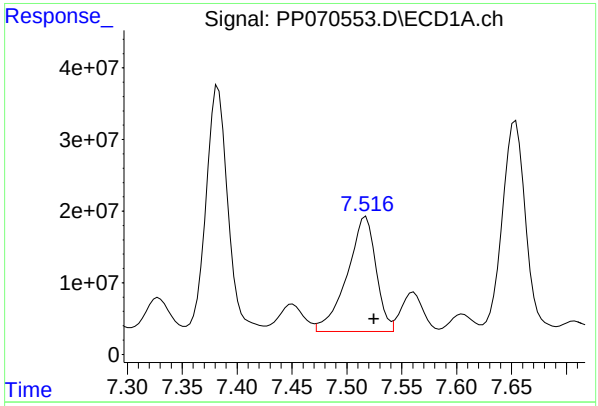
#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 164596758
Conc: 2802.21 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: 0.005 min
Response: 171502294
Conc: 3444.90 ng/ml m



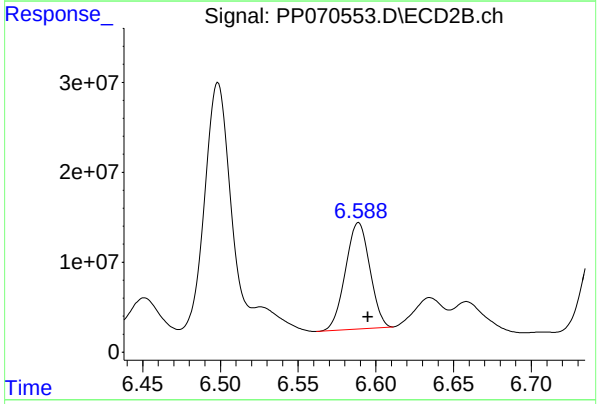
#32 AR-1260-2

R.T.: 7.517 min
Delta R.T.: -0.007 mi
Response: 292504695
Conc: 3565.26 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O14

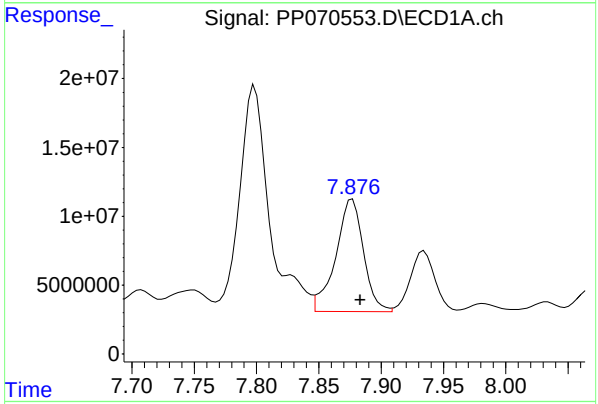
Manual Integrations
APPROVED

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



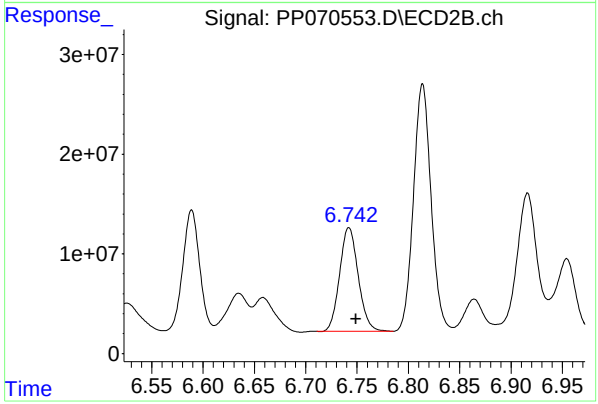
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 129161314
Conc: 1954.40 ng/ml



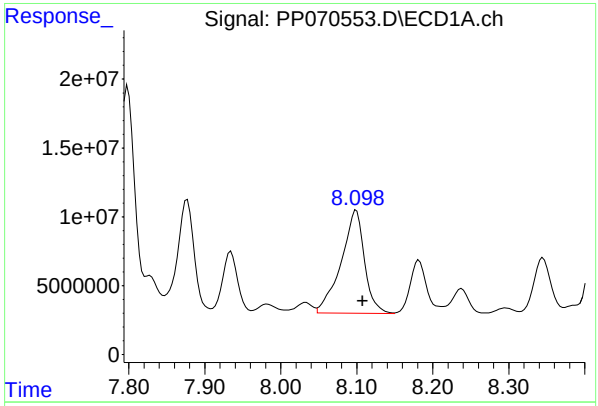
#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.006 min
Response: 126680258
Conc: 1926.47 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 131010232
Conc: 2290.50 ng/ml



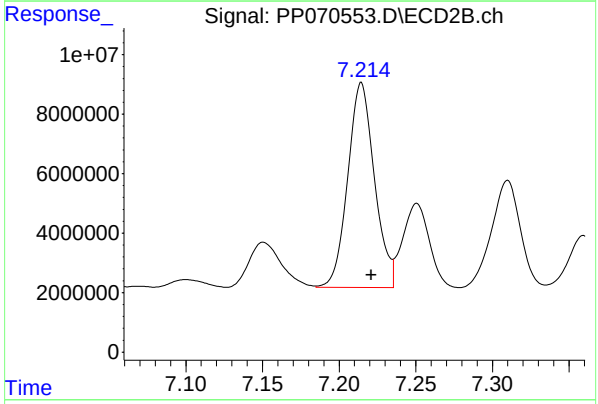
#34 AR-1260-4

R.T.: 8.099 min
Delta R.T.: -0.008 mi
Response: 160617904
Conc: 2458.08 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O14

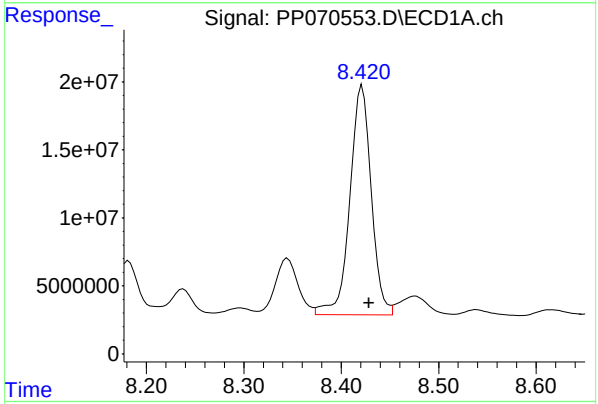
Manual Integrations
APPROVED

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



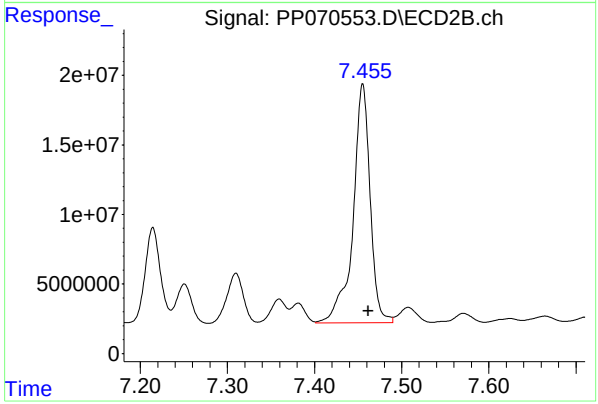
#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 84070012
Conc: 1643.16 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.007 min
Response: 257864815
Conc: 1886.66 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 234310224
Conc: 1819.39 ng/ml

Raw Data: **PP070581.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O14DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-02DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070581.D	10	03/14/25 12:25	03/17/25 11:02	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	216	UD	50.3	216	ug/kg
11104-28-2	Aroclor-1221	216	UD	51.3	216	ug/kg
11141-16-5	Aroclor-1232	216	UD	47.4	216	ug/kg
53469-21-9	Aroclor-1242	216	UD	51.0	216	ug/kg
12672-29-6	Aroclor-1248	12000	ED	75.4	216	ug/kg
11097-69-1	Aroclor-1254	216	UD	40.9	216	ug/kg
37324-23-5	Aroclor-1262	216	UD	63.9	216	ug/kg
11100-14-4	Aroclor-1268	216	UD	45.8	216	ug/kg
11096-82-5	Aroclor-1260	1800	D	41.1	216	ug/kg
Total PCBs	Total PCBs	13000	D	117	216	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	33.3	*	32 - 144	167%	SPK: 20
2051-24-3	Decachlorobiphenyl	46.4	*	32 - 175	232%	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: **PP070581.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:02
Operator : YP\AJ
Sample : Q1572-02DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O14DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.522	3.827	4672209	3341636	3.004	3.334	
2)	SA Decachlor...	10.242	8.873	3338283	4541504	3.142	4.642	#
	Target Compounds							
21)	L5 AR-1248-1	5.674	4.914	58718261	43663347	1719.122	1859.951	
22)	L5 AR-1248-2	5.945	5.151	119.1E6	83087631	2805.961	2654.265	
23)	L5 AR-1248-3	6.148	5.194	132.9E6	87727892	2879.674	2765.559	
24)	L5 AR-1248-4	6.546	5.366	174.7E6	105.8E6	3012.827	2713.928	
25)	L5 AR-1248-5	6.586	5.760	169.3E6	118.2E6	3153.912	3104.631	
31)	L7 AR-1260-1	7.267	6.412	23490028	46217077	399.911	928.345	#
32)	L7 AR-1260-2	7.519	6.591	41201472	20505527	502.194	310.279	#
33)	L7 AR-1260-3	7.879	6.744	17702592	20607568	269.210	360.289	#
34)	L7 AR-1260-4	8.102	7.216	23033372	13034672	352.501	254.765	#
35)	L7 AR-1260-5	8.423	7.457	36572037	33669198	267.579	261.437	

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

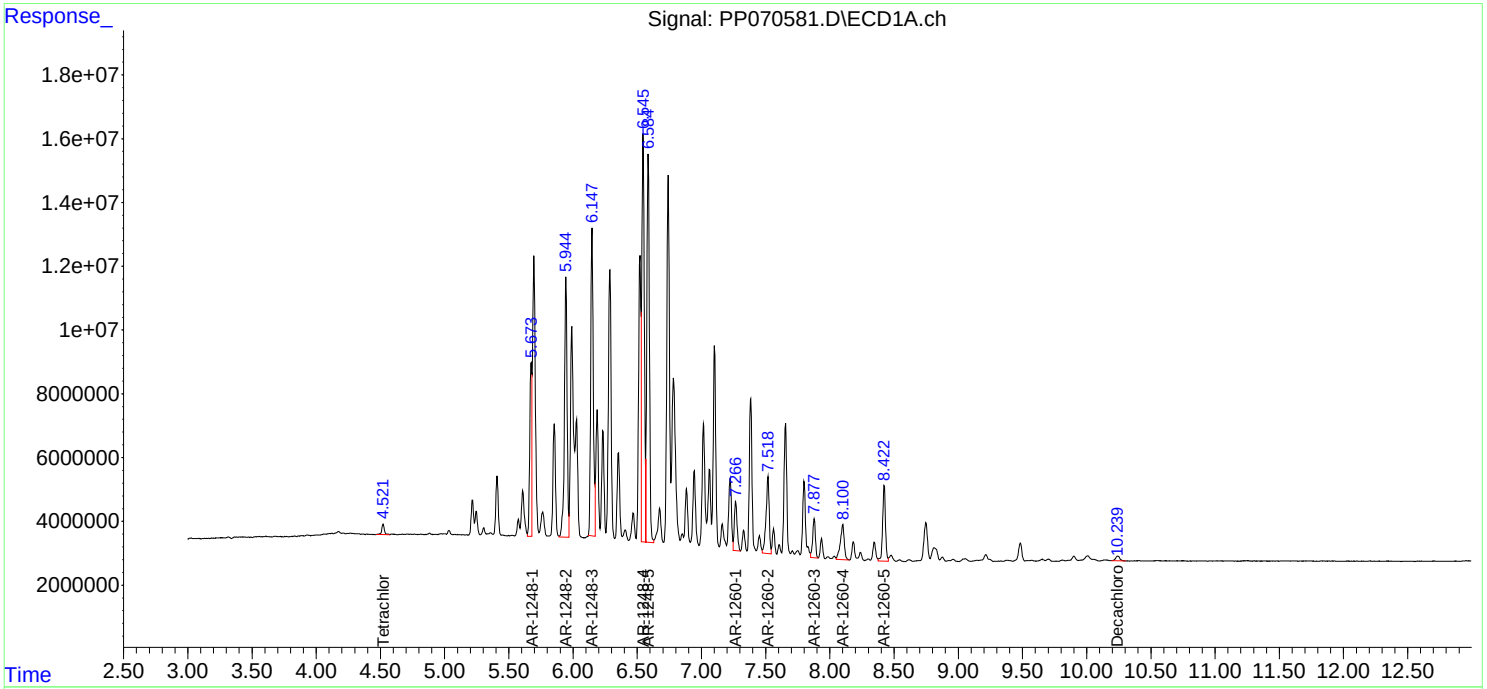
Sample Results: **PP070581.D**

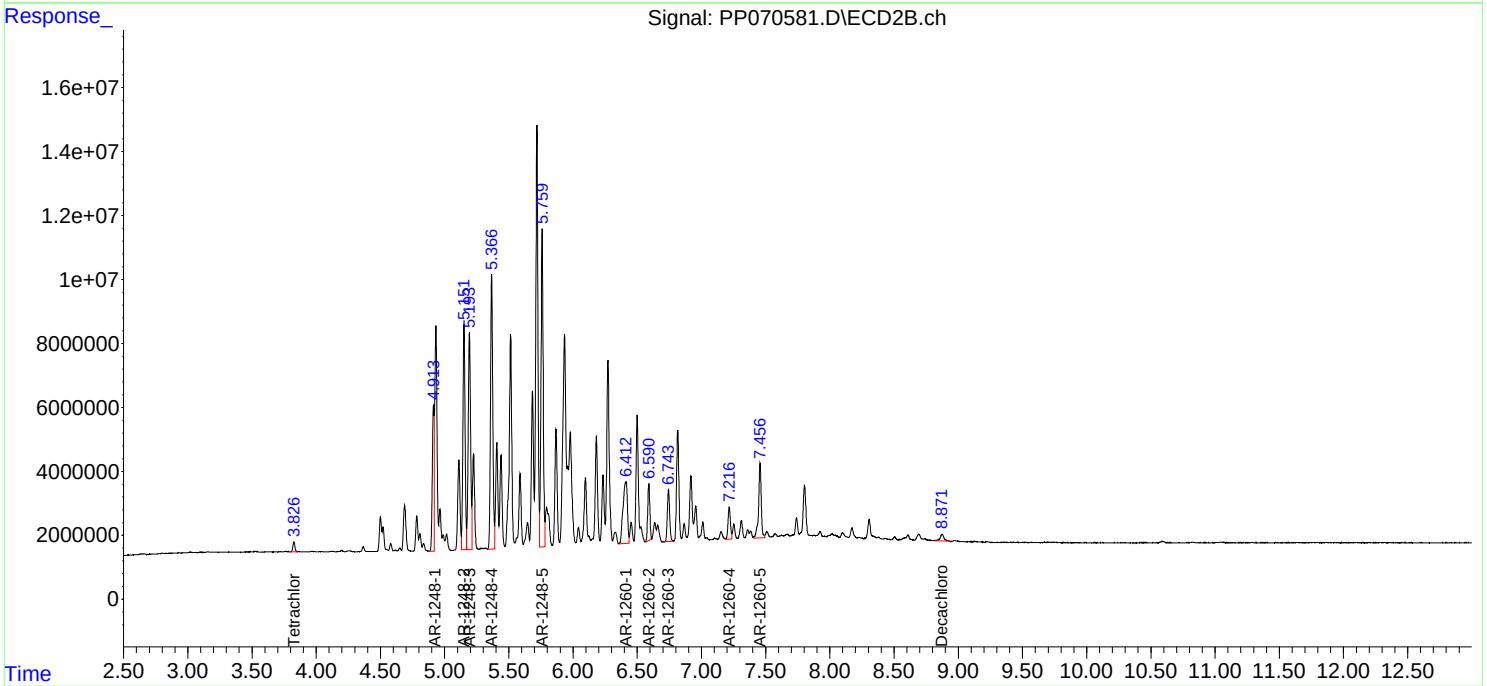
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:02
Operator : YP\AJ
Sample : Q1572-02DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

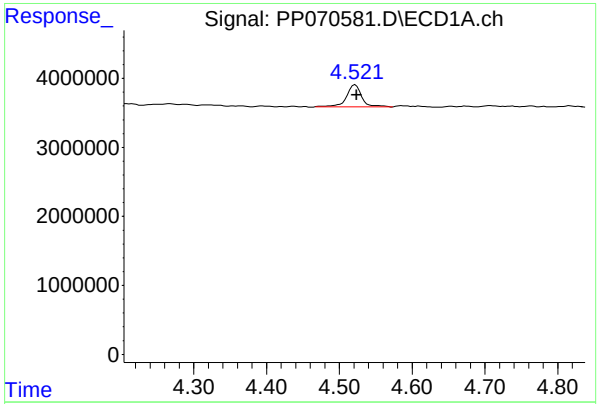
Instrument :
ECD_P
ClientSampleId :
C0O14DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



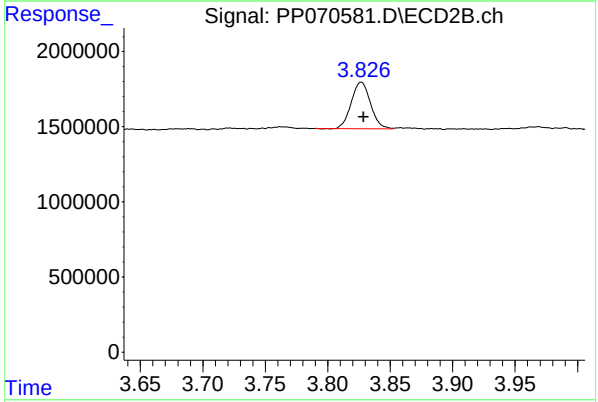




#1 Tetrachloro-m-xylene

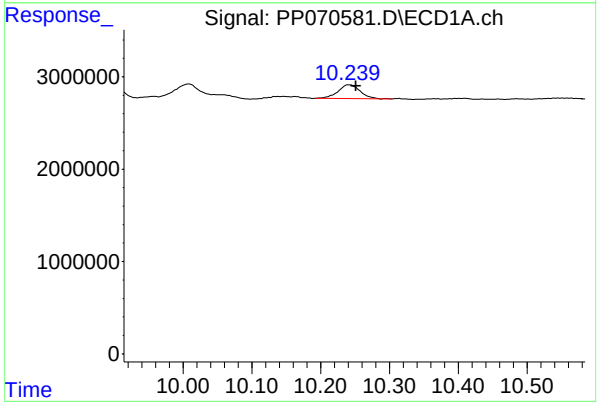
R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 4672209
Conc: 3.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL



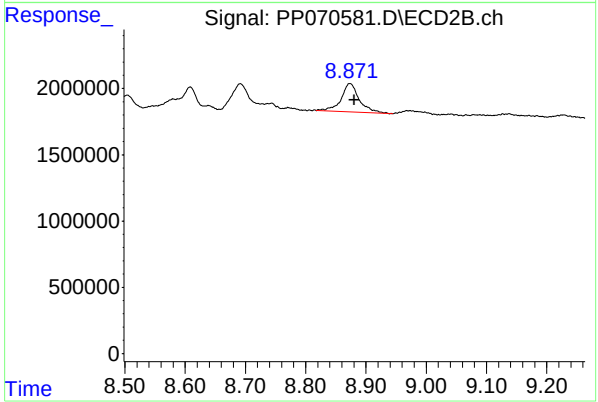
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 3341636
Conc: 3.33 ng/ml



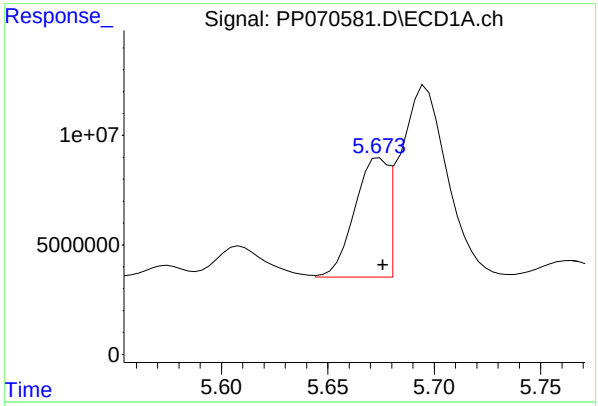
#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 3338283
Conc: 3.14 ng/ml



#2 Decachlorobiphenyl

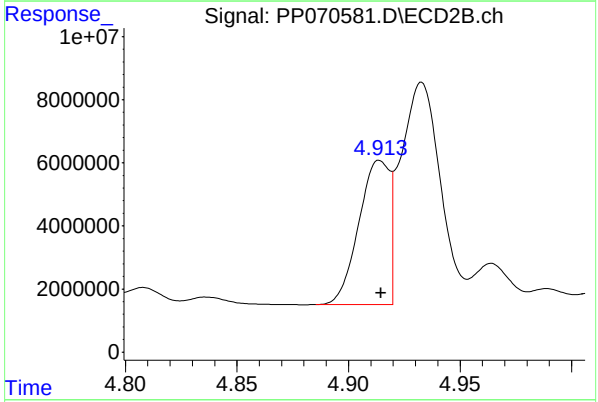
R.T.: 8.873 min
Delta R.T.: -0.008 min
Response: 4541504
Conc: 4.64 ng/ml



#21 AR-1248-1

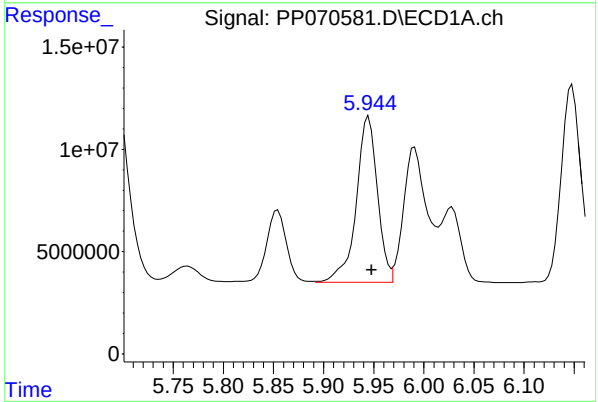
R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 58718261
Conc: 1719.12 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O14DL



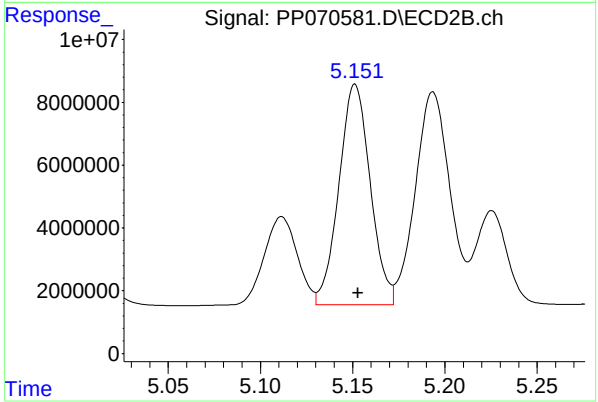
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 43663347
Conc: 1859.95 ng/ml



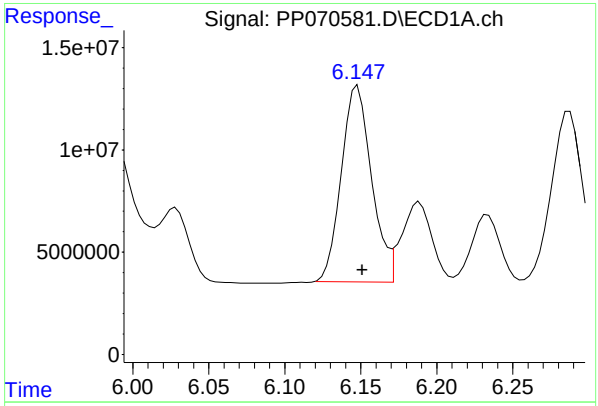
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 119105360
Conc: 2805.96 ng/ml



#22 AR-1248-2

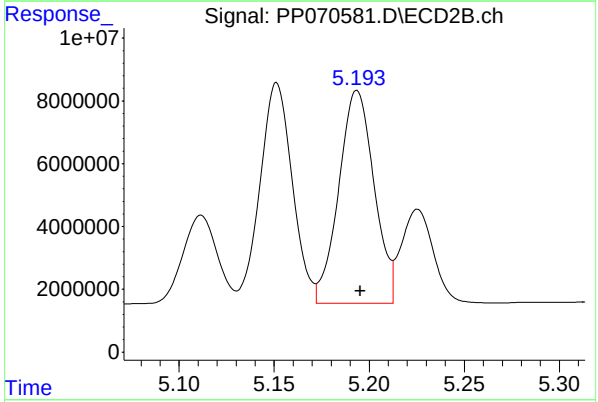
R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 83087631
Conc: 2654.26 ng/ml



#23 AR-1248-3

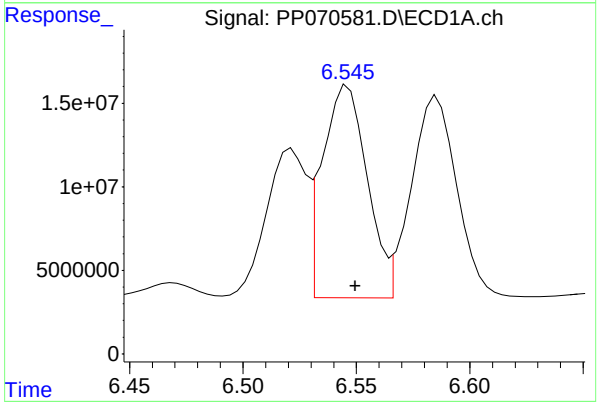
R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 132893039
Conc: 2879.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL



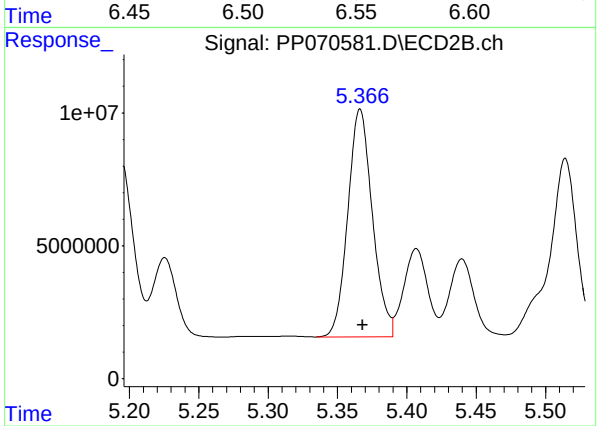
#23 AR-1248-3

R.T.: 5.194 min
Delta R.T.: -0.002 min
Response: 87727892
Conc: 2765.56 ng/ml



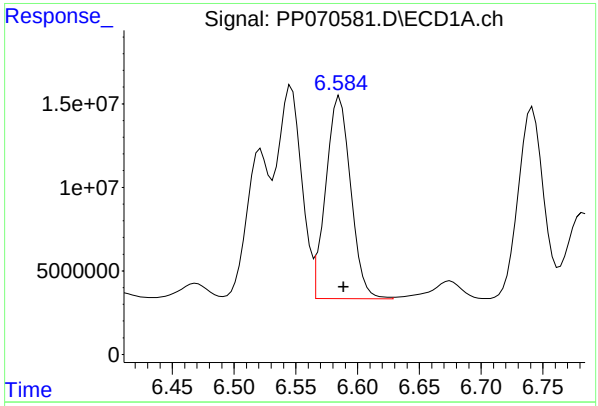
#24 AR-1248-4

R.T.: 6.546 min
Delta R.T.: -0.003 min
Response: 174717652
Conc: 3012.83 ng/ml



#24 AR-1248-4

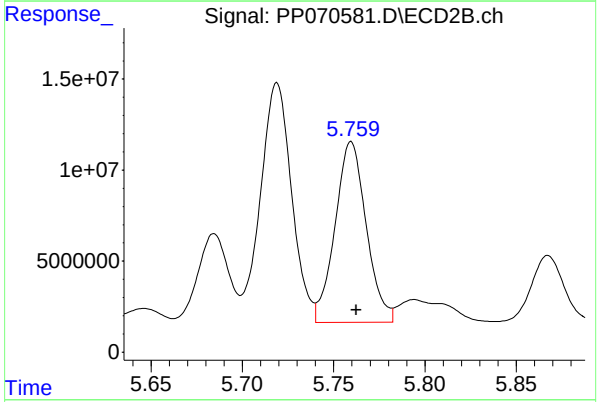
R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 105770373
Conc: 2713.93 ng/ml



#25 AR-1248-5

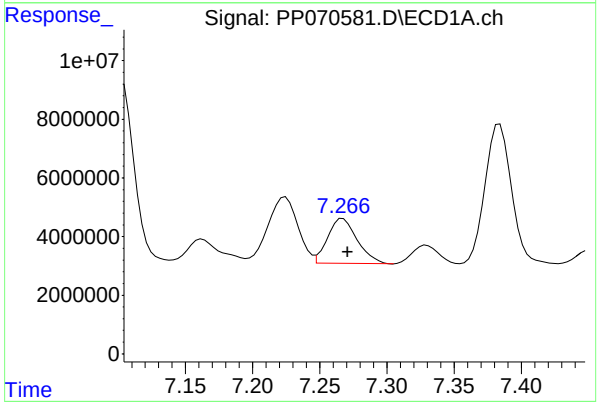
R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 169325196
Conc: 3153.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL



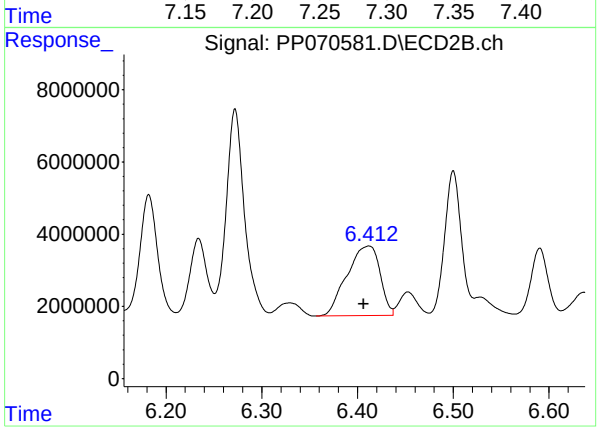
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.003 min
Response: 118245077
Conc: 3104.63 ng/ml



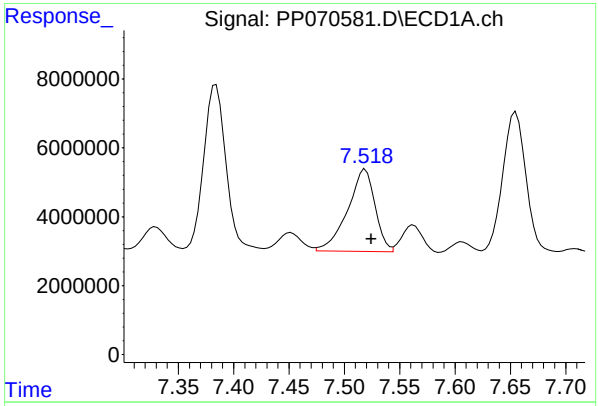
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 23490028
Conc: 399.91 ng/ml



#31 AR-1260-1

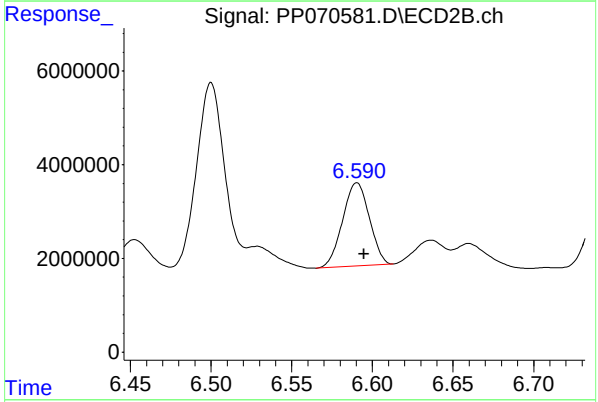
R.T.: 6.412 min
Delta R.T.: 0.005 min
Response: 46217077
Conc: 928.34 ng/ml



#32 AR-1260-2

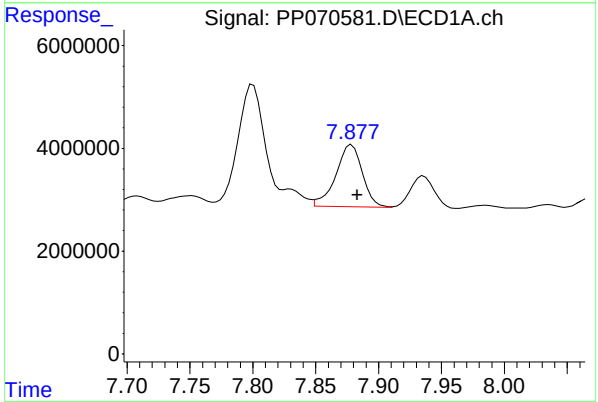
R.T.: 7.519 min
Delta R.T.: -0.006 mi
Response: 41201472
Conc: 502.19 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O14DL



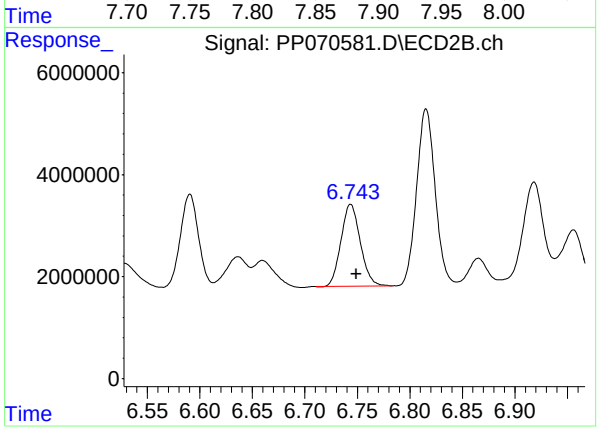
#32 AR-1260-2

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 20505527
Conc: 310.28 ng/ml



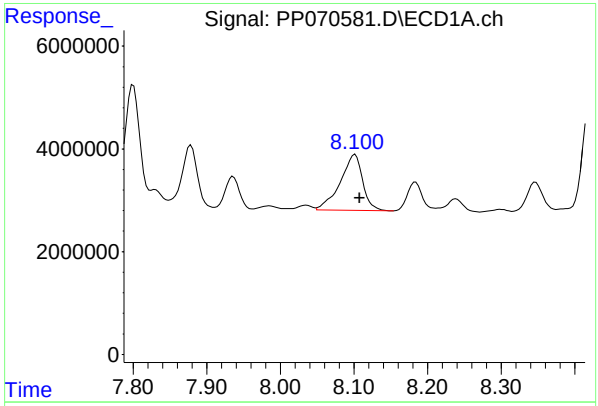
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.005 min
Response: 17702592
Conc: 269.21 ng/ml



#33 AR-1260-3

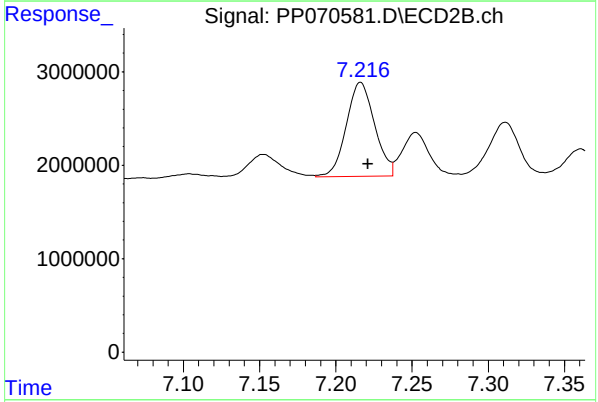
R.T.: 6.744 min
Delta R.T.: -0.006 min
Response: 20607568
Conc: 360.29 ng/ml



#34 AR-1260-4

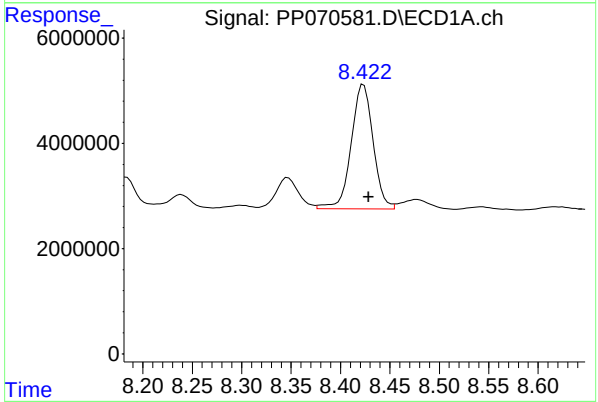
R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 23033372
Conc: 352.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL



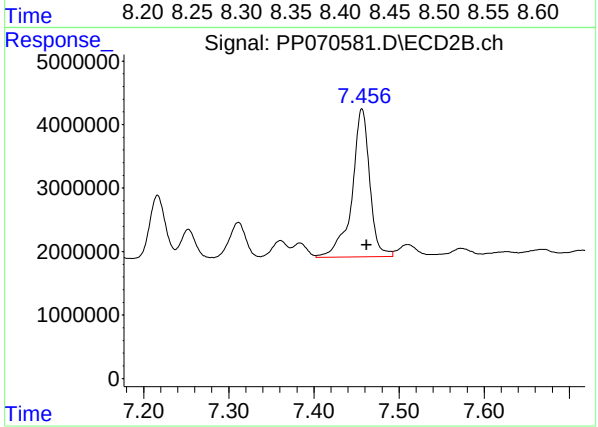
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 13034672
Conc: 254.76 ng/ml



#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 min
Response: 36572037
Conc: 267.58 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 33669198
Conc: 261.44 ng/ml

Raw Data: **PP070582.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O14DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-02DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070582.D	50	03/14/25 12:25	03/17/25 11:18	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	1100	UD	251	1100	ug/kg
11104-28-2	Aroclor-1221	1100	UD	257	1100	ug/kg
11141-16-5	Aroclor-1232	1100	UD	237	1100	ug/kg
53469-21-9	Aroclor-1242	1100	UD	255	1100	ug/kg
12672-29-6	Aroclor-1248	15000	D	377	1100	ug/kg
11097-69-1	Aroclor-1254	1100	UD	204	1100	ug/kg
37324-23-5	Aroclor-1262	1100	UD	320	1100	ug/kg
11100-14-4	Aroclor-1268	1100	UD	229	1100	ug/kg
11096-82-5	Aroclor-1260	2500	DP	206	1100	ug/kg
Total PCBs	Total PCBs	18000	D	583	1100	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	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: **PP070582.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:18
Operator : YP\AJ
Sample : Q1572-02DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O14DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
	Target Compounds							
21)	L5 AR-1248-1	5.678	4.914	15516901	12375190	454.296	527.153	
22)	L5 AR-1248-2	5.949	5.151	31406780	23358286	739.901	746.189	
23)	L5 AR-1248-3	6.152	5.193	34797797	24369587	754.037	768.234	
24)	L5 AR-1248-4	6.551	5.366	45579312	29054696	785.969	745.505	
25)	L5 AR-1248-5	6.589	5.760	44643613	32042539	831.548	841.306	
31)	L7 AR-1260-1	7.271	6.412	5890617	12793726	100.286	256.983	#
32)	L7 AR-1260-2	7.523	6.590	10274753	5577884	125.236	84.402	#
33)	L7 AR-1260-3	7.882	6.743	4019539	5749939	61.127	100.528	#
34)	L7 AR-1260-4	8.104	7.215	5383069	3432231	82.382	67.084	
35)	L7 AR-1260-5	8.427	7.456	8087247	9228559	59.170	71.659	

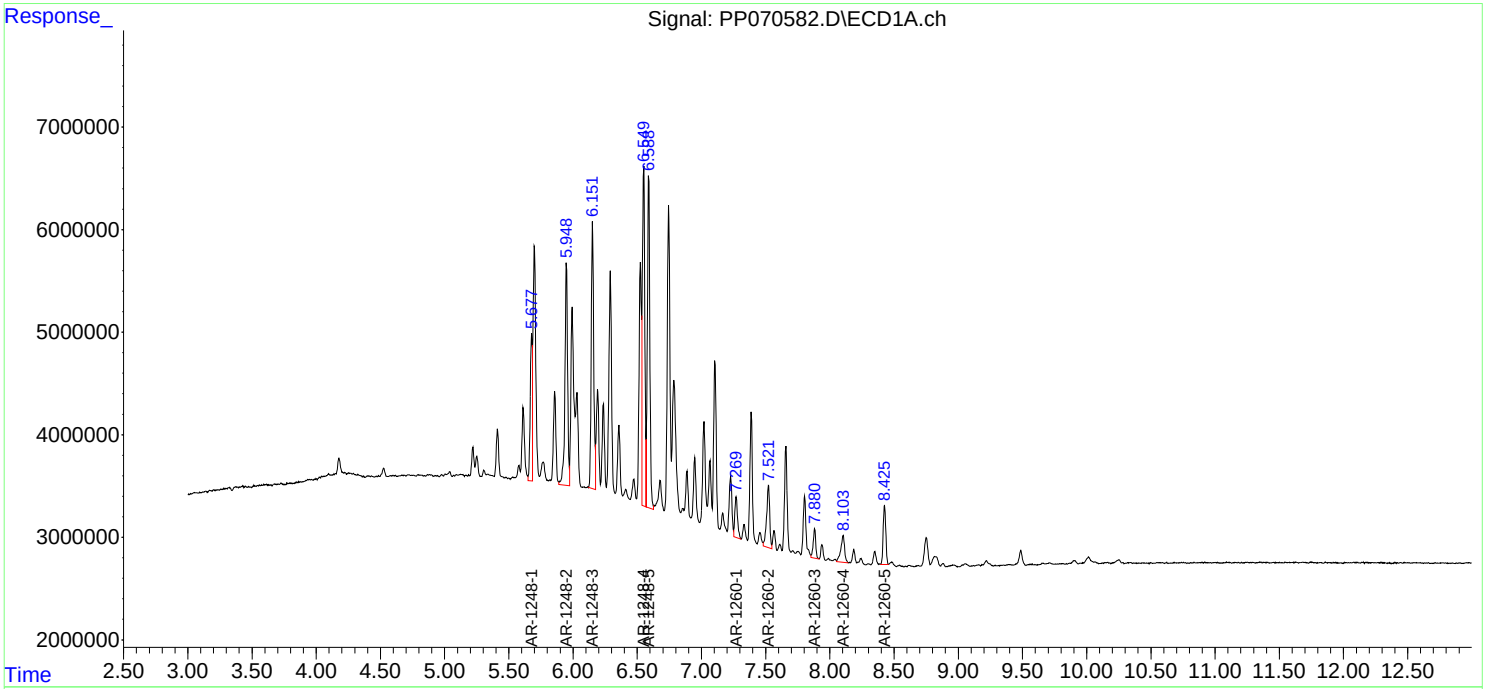
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

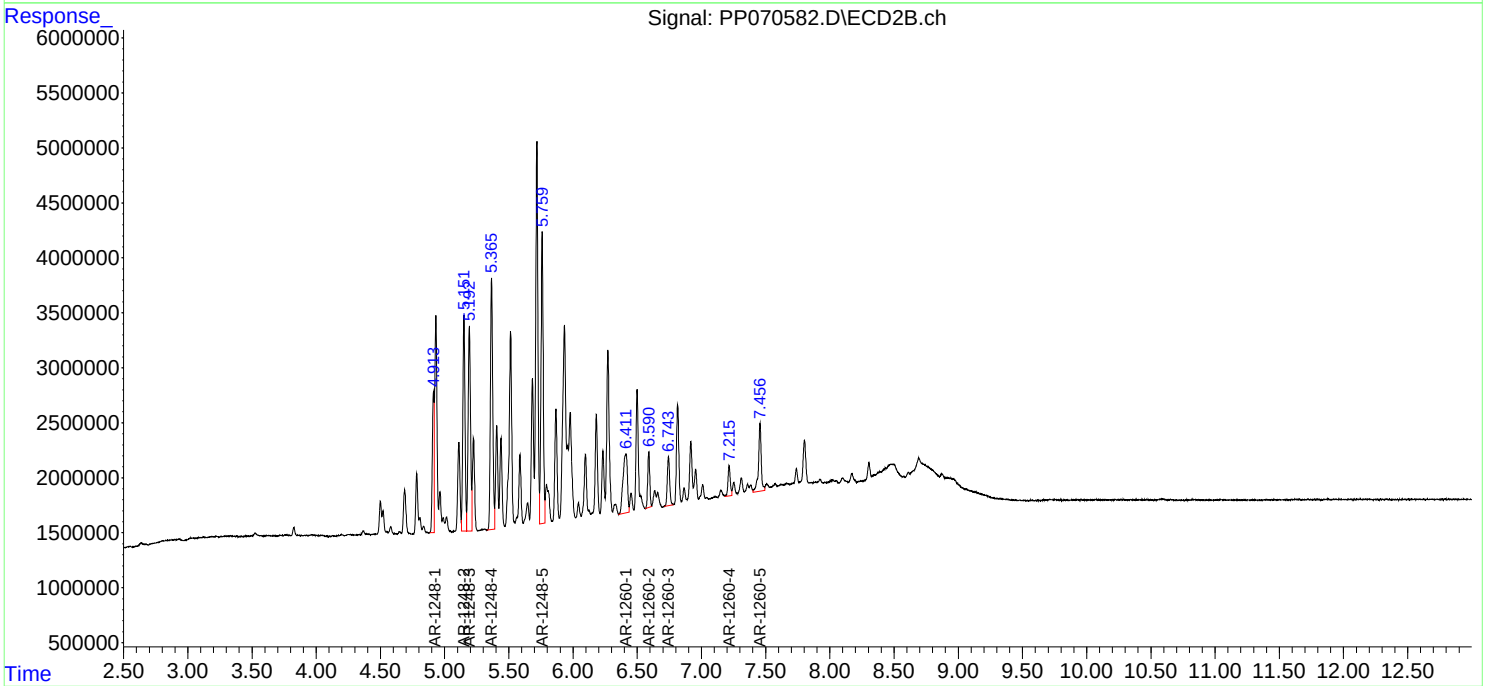
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:18
Operator : YP\AJ
Sample : Q1572-02DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

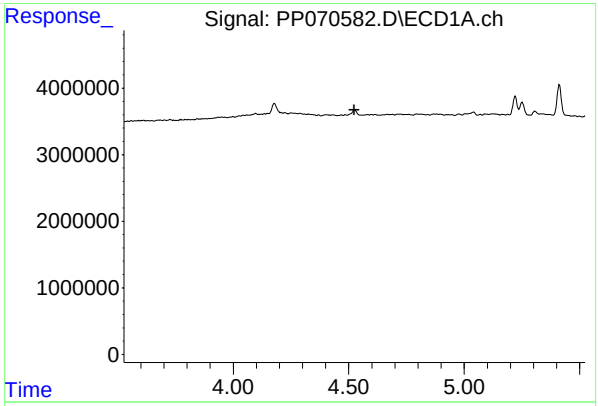
Instrument :
ECD_P
ClientSampleId :
C0O14DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



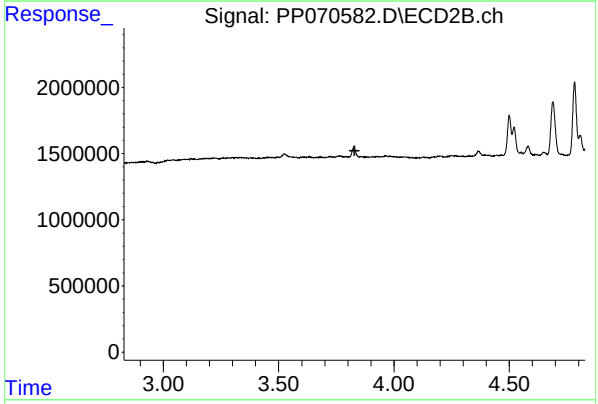




#1 Tetrachloro-m-xylene

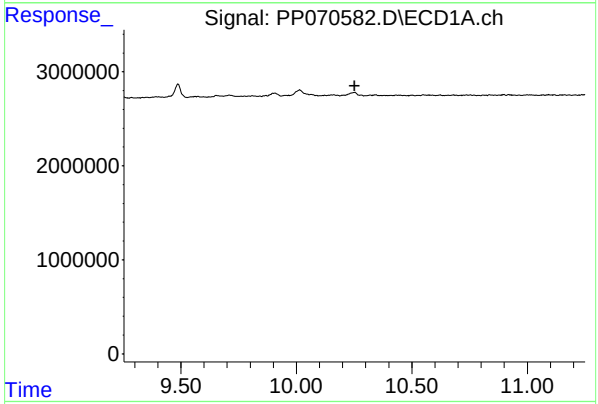
R.T.: 0.000 min
Exp R.T. : 4.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
C0O14DL2



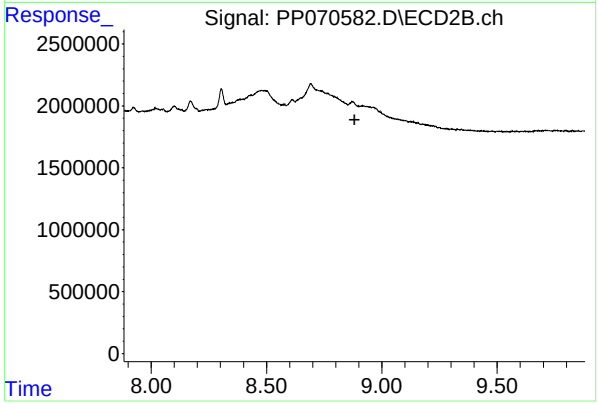
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.829 min
Response: 0
Conc: N.D.



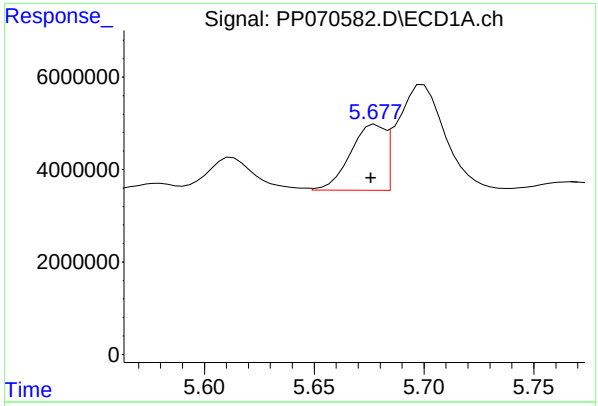
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.252 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

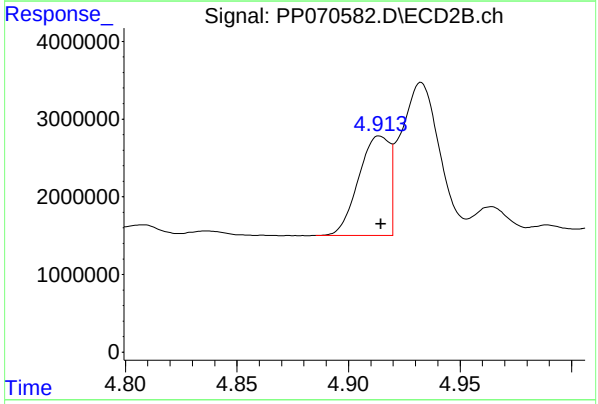
R.T.: 0.000 min
Exp R.T. : 8.881 min
Response: 0
Conc: N.D.



#21 AR-1248-1

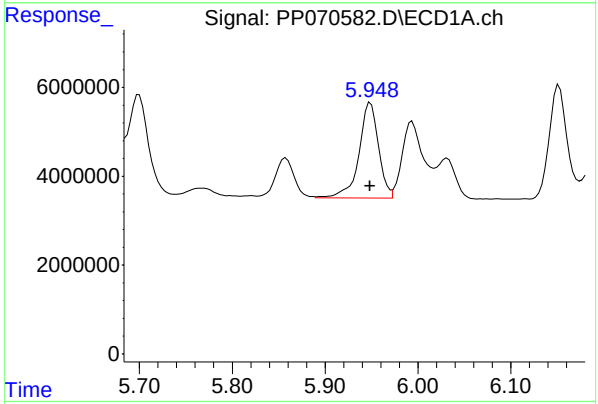
R.T.: 5.678 min
Delta R.T.: 0.002 min
Response: 15516901
Conc: 454.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL2



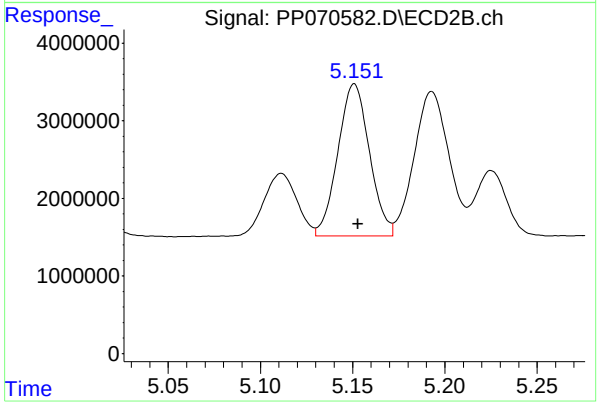
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 12375190
Conc: 527.15 ng/ml



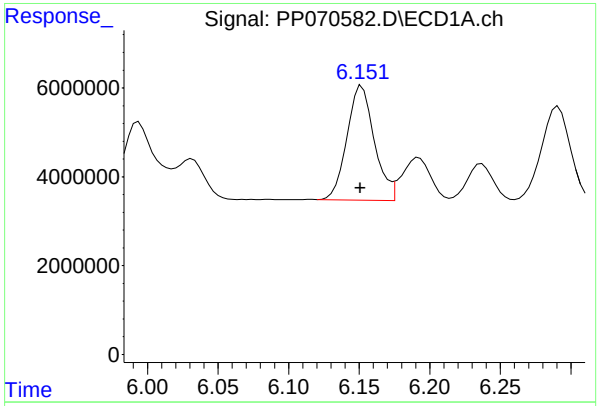
#22 AR-1248-2

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 31406780
Conc: 739.90 ng/ml



#22 AR-1248-2

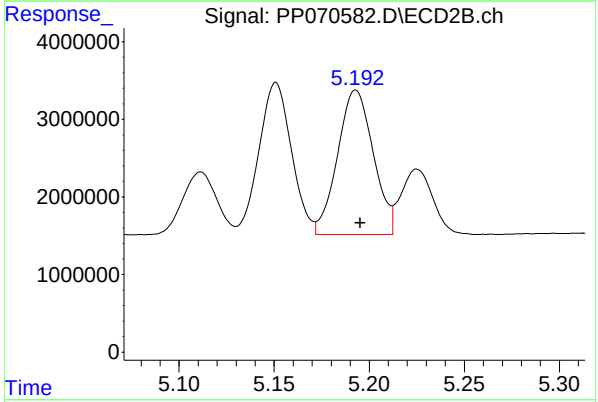
R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 23358286
Conc: 746.19 ng/ml



#23 AR-1248-3

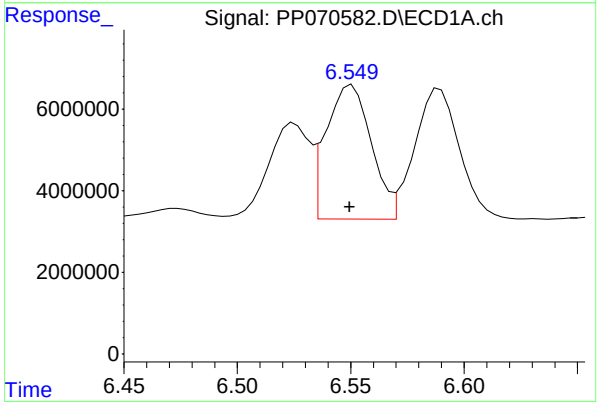
R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 34797797
Conc: 754.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL2



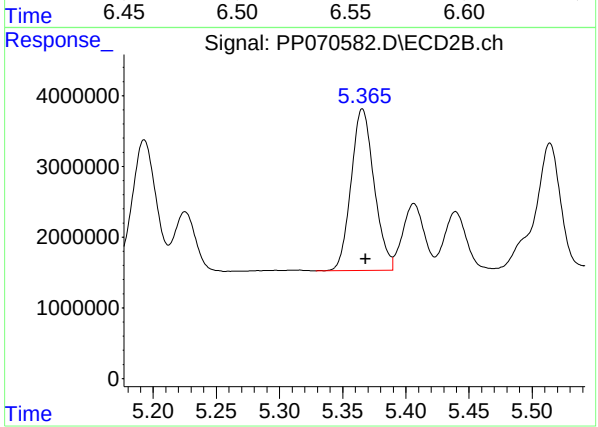
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 24369587
Conc: 768.23 ng/ml



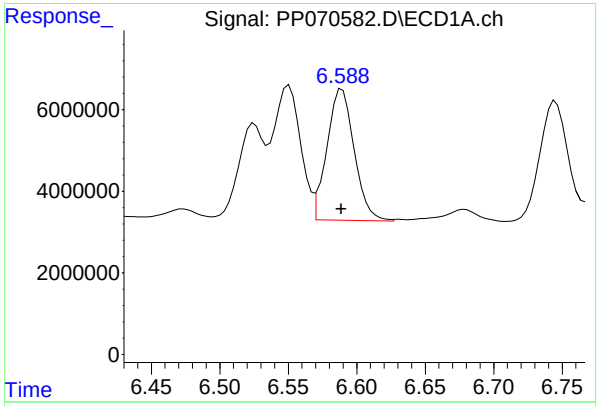
#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.001 min
Response: 45579312
Conc: 785.97 ng/ml



#24 AR-1248-4

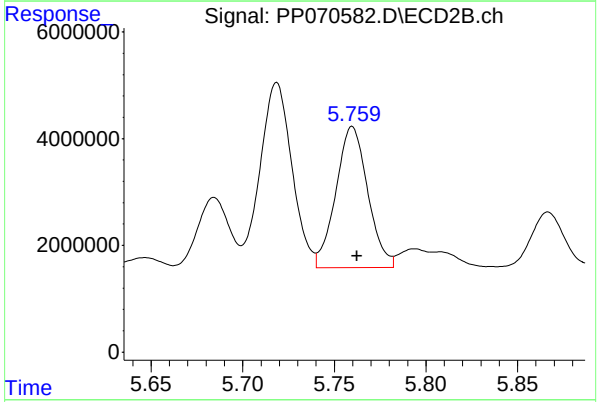
R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 29054696
Conc: 745.51 ng/ml



#25 AR-1248-5

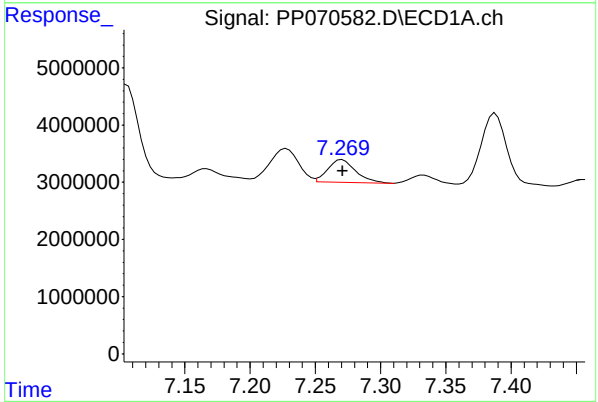
R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 44643613
Conc: 831.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL2



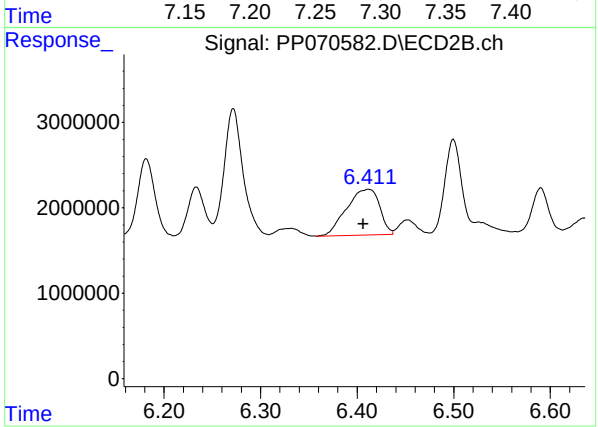
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.003 min
Response: 32042539
Conc: 841.31 ng/ml



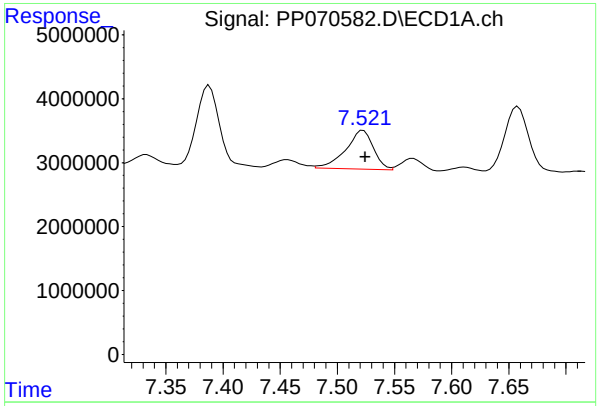
#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: 0.000 min
Response: 5890617
Conc: 100.29 ng/ml



#31 AR-1260-1

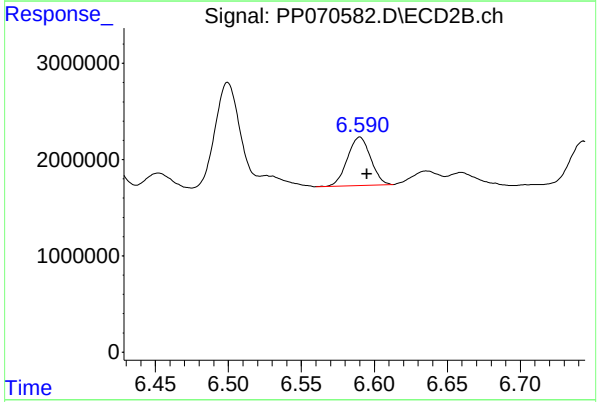
R.T.: 6.412 min
Delta R.T.: 0.005 min
Response: 12793726
Conc: 256.98 ng/ml



#32 AR-1260-2

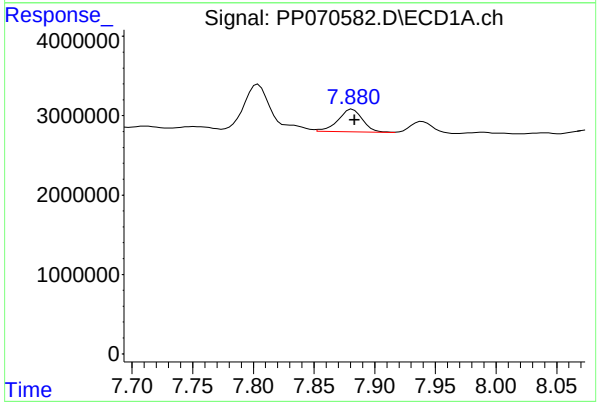
R.T.: 7.523 min
Delta R.T.: -0.002 mi
Response: 10274753
Conc: 125.24 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O14DL2



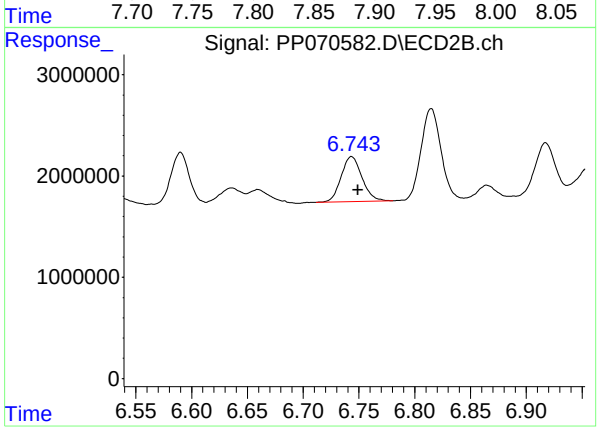
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 5577884
Conc: 84.40 ng/ml



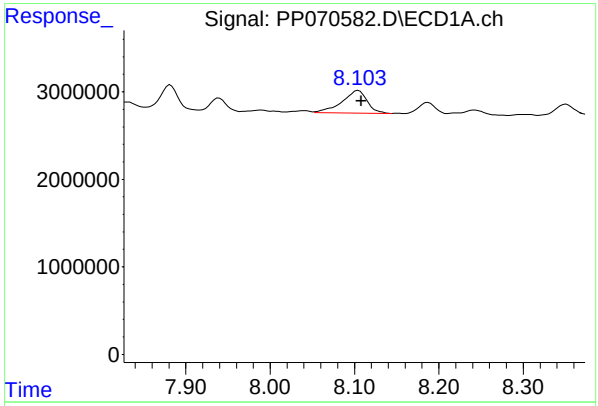
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.001 min
Response: 4019539
Conc: 61.13 ng/ml



#33 AR-1260-3

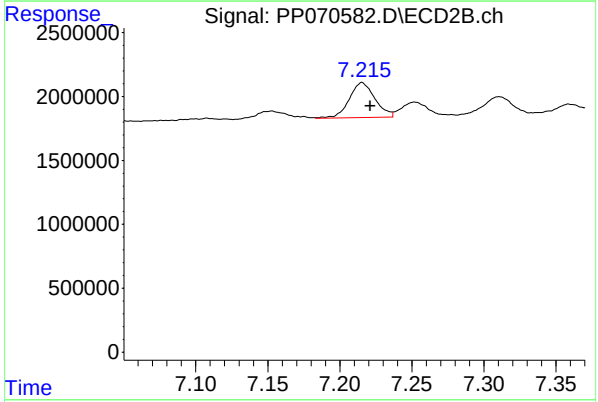
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 5749939
Conc: 100.53 ng/ml



#34 AR-1260-4

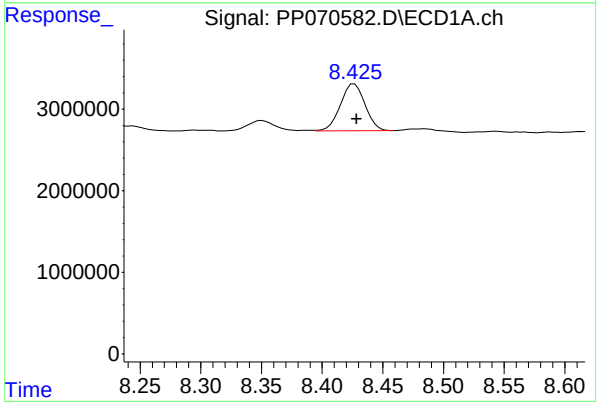
R.T.: 8.104 min
Delta R.T.: -0.003 min
Response: 5383069
Conc: 82.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O14DL2



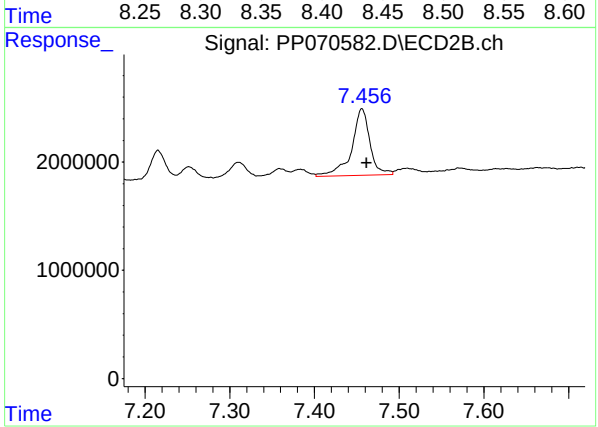
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 3432231
Conc: 67.08 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.002 min
Response: 8087247
Conc: 59.17 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 9228559
Conc: 71.66 ng/ml

Raw Data: **PP070554.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O15	SDG No.:	Q1572
Lab Sample ID:	Q1572-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	80 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070554.D	1	03/14/25 12:25	03/15/25 00:14	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	21.2	U	4.90	21.2	ug/kg
11104-28-2	Aroclor-1221	21.2	U	5.00	21.2	ug/kg
11141-16-5	Aroclor-1232	21.2	U	4.60	21.2	ug/kg
53469-21-9	Aroclor-1242	21.2	U	5.00	21.2	ug/kg
12672-29-6	Aroclor-1248	5600	E	7.40	21.2	ug/kg
11097-69-1	Aroclor-1254	21.2	U	4.00	21.2	ug/kg
37324-23-5	Aroclor-1262	21.2	U	6.30	21.2	ug/kg
11100-14-4	Aroclor-1268	21.2	U	4.50	21.2	ug/kg
11096-82-5	Aroclor-1260	1100	E	4.00	21.2	ug/kg
Total PCBs	Total PCBs	6700	E	11.4	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		32 - 175	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070554.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 00:14
Operator : YP\AJ
Sample : Q1572-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O15

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:00:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.523	3.825	28059813	19520160	18.040	19.476	
2)	SA Decachlor...	10.242	8.870	20085054	24101093	18.906	24.634	#
	Target Compounds							
21)	L5 AR-1248-1	5.674	4.913	265.2E6	187.3E6	7765.523	7977.010	
22)	L5 AR-1248-2	5.946	5.150	623.1E6	412.5E6	14678.471	13176.222	
23)	L5 AR-1248-3	6.147	5.192	698.4E6	409.6E6	15133.034m	12912.862	
24)	L5 AR-1248-4	6.547	5.365	861.6E6	519.8E6	14857.314	13337.235	
25)	L5 AR-1248-5	6.586	5.758	794.1E6	539.6E6	14791.787	14167.793	
31)	L7 AR-1260-1	7.267	6.402	153.3E6	223.1E6	2610.674	4482.114	#
32)	L7 AR-1260-2	7.516	6.589	387.9E6	123.7E6	4728.608	1871.595	#
33)	L7 AR-1260-3	7.879	6.742	123.3E6	120.3E6	1874.684	2103.916	
34)	L7 AR-1260-4	8.102	7.215	140.3E6	89531555	2147.883m	1749.910	
35)	L7 AR-1260-5	8.424	7.455	255.2E6	235.5E6	1867.353	1828.578	

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

Sample Results: **PP070554.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 00:14
Operator : YP\AJ
Sample : Q1572-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

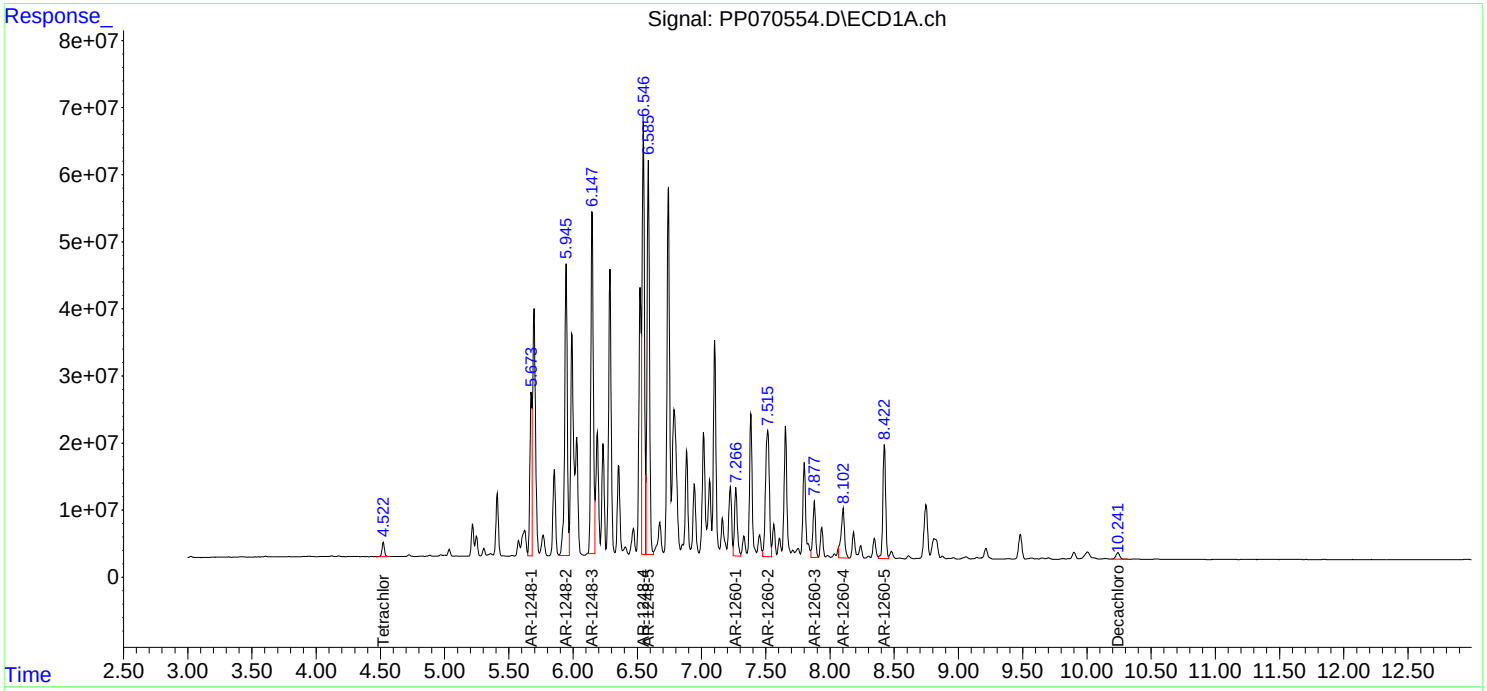
Instrument :
ECD_P
ClientSampleId :
C0O15

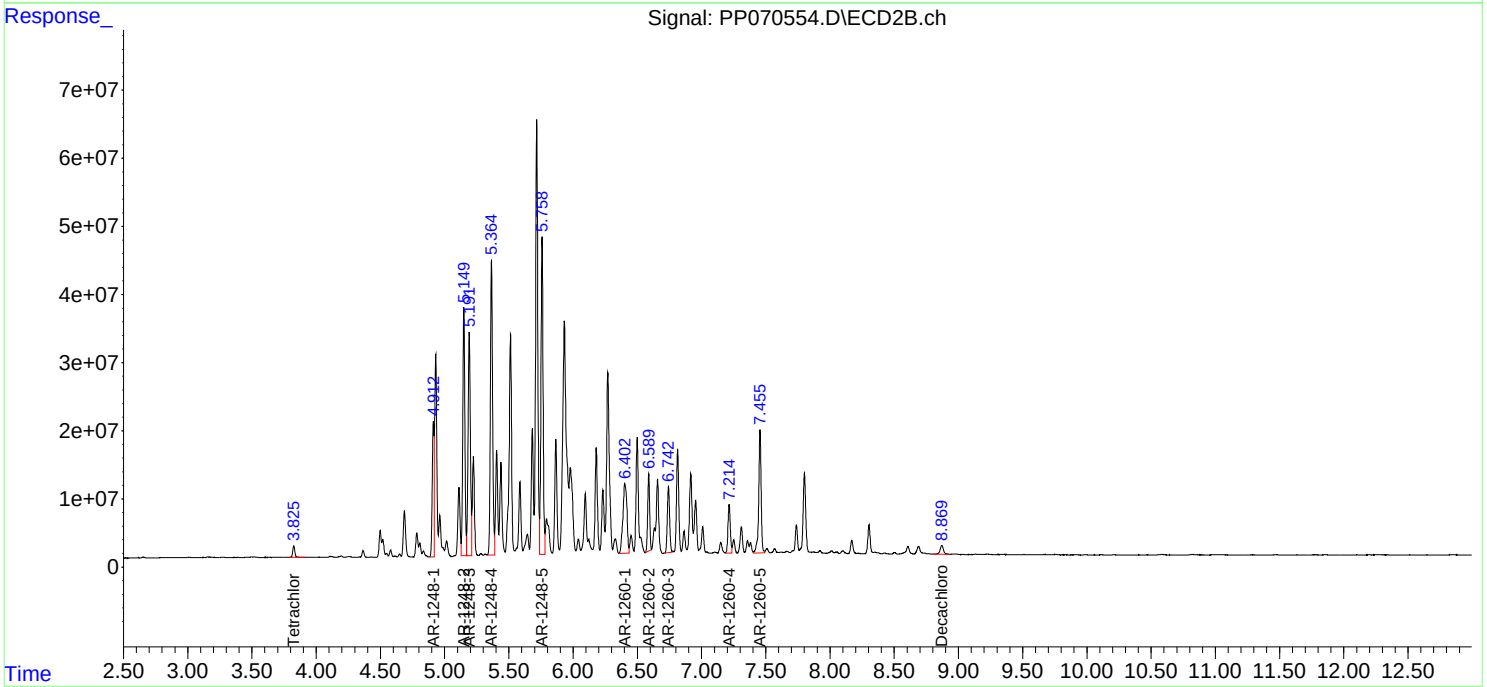
Manual Integrations APPROVED

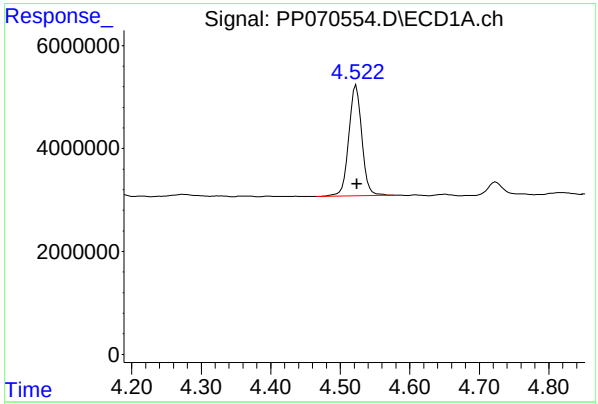
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:00:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







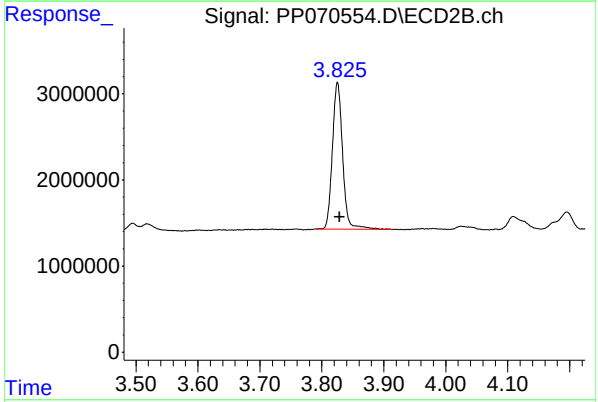
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.001 mi
Response: 28059813
Conc: 18.04 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O15

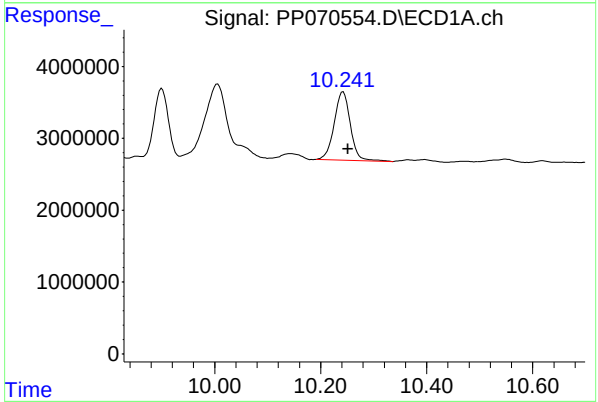
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



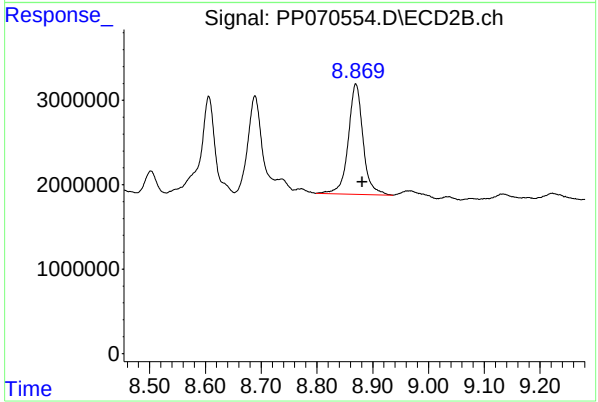
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 19520160
Conc: 19.48 ng/ml



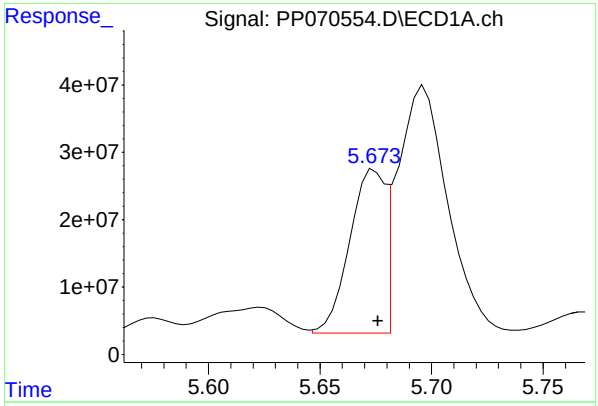
#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.009 min
Response: 20085054
Conc: 18.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 24101093
Conc: 24.63 ng/ml



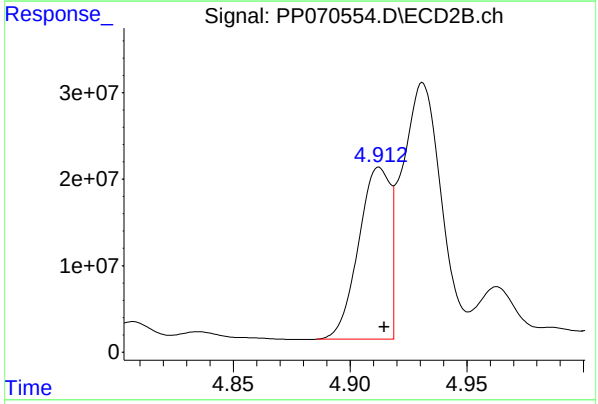
#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.001 min
Response: 265238892
Conc: 7765.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15

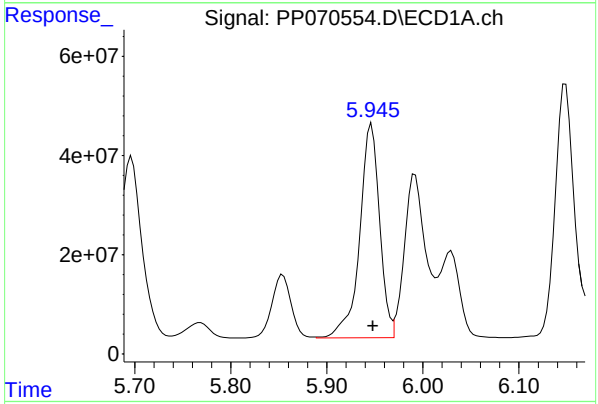
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



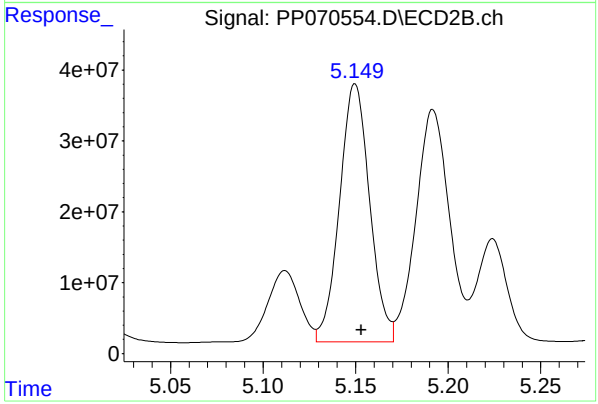
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 187264552
Conc: 7977.01 ng/ml



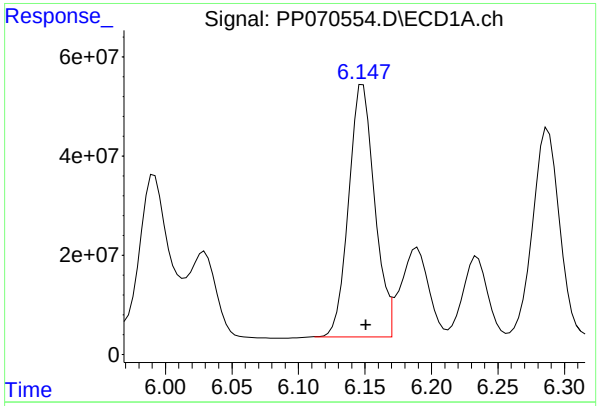
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 623060981
Conc: 14678.47 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 412461167
Conc: 13176.22 ng/ml



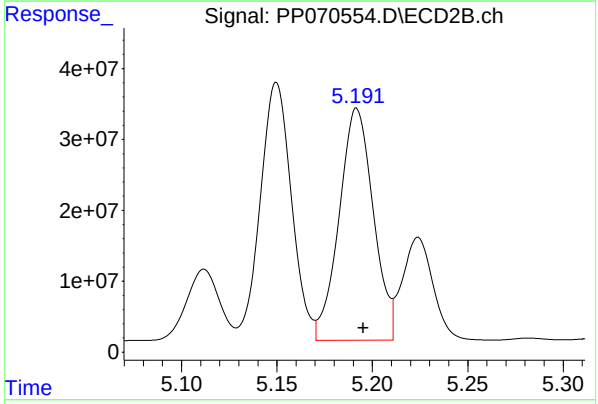
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 698368961
Conc: 15133.03 ng/

Instrument :
ECD_P
ClientSampleId :
C0O15

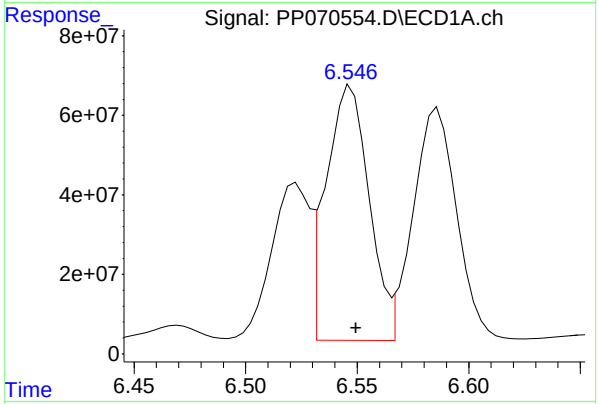
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



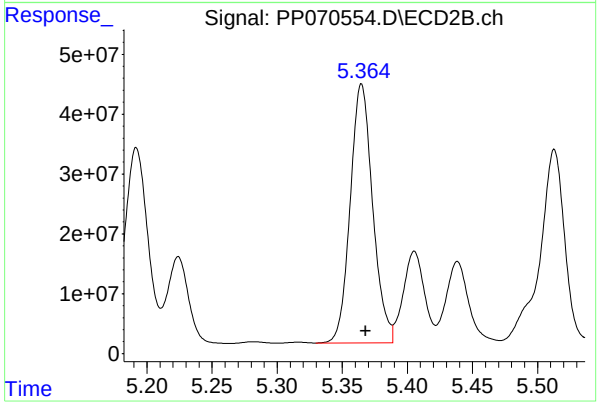
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 409616293
Conc: 12912.86 ng/ml



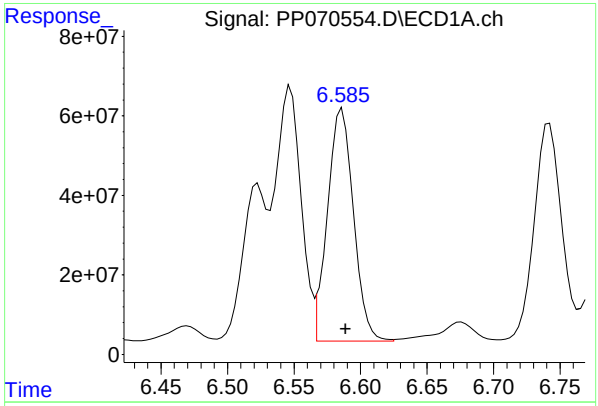
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.002 min
Response: 861594342
Conc: 14857.31 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 519794336
Conc: 13337.23 ng/ml



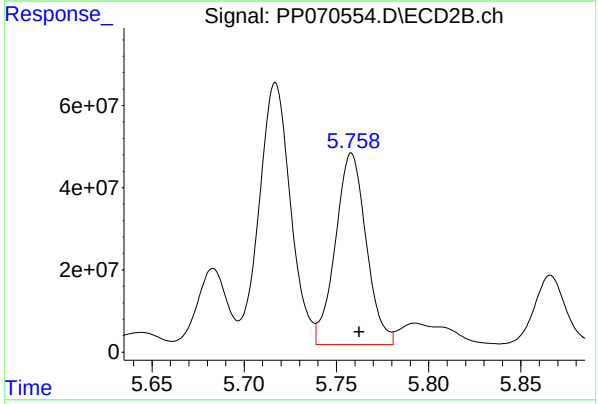
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 794131939
Conc: 14791.79 ng/

Instrument :
ECD_P
ClientSampleId :
C0O15

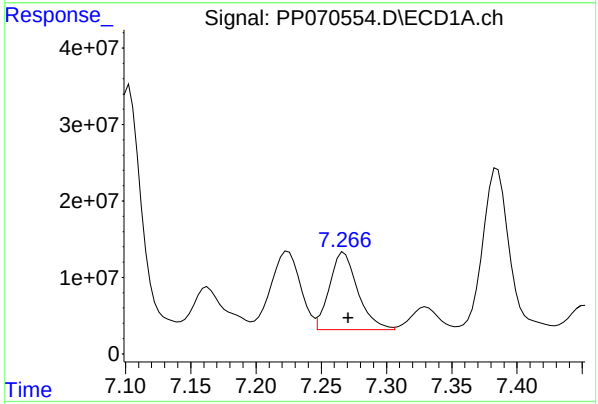
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



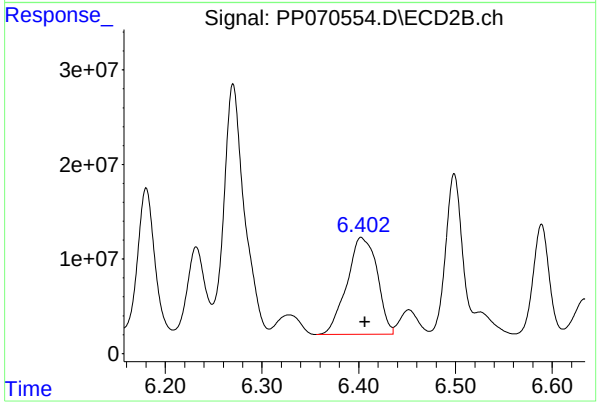
#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 539604199
Conc: 14167.79 ng/ml



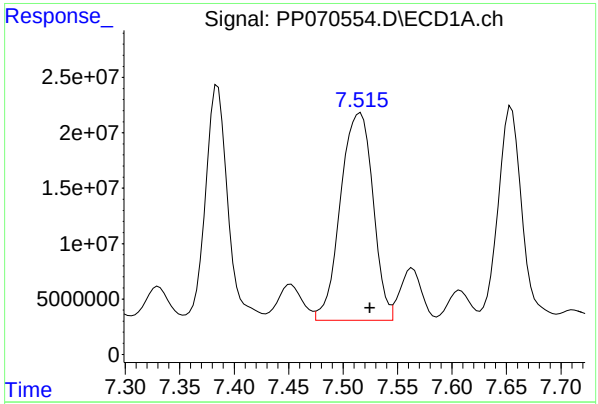
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.003 min
Response: 153346335
Conc: 2610.67 ng/ml



#31 AR-1260-1

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 223139268
Conc: 4482.11 ng/ml



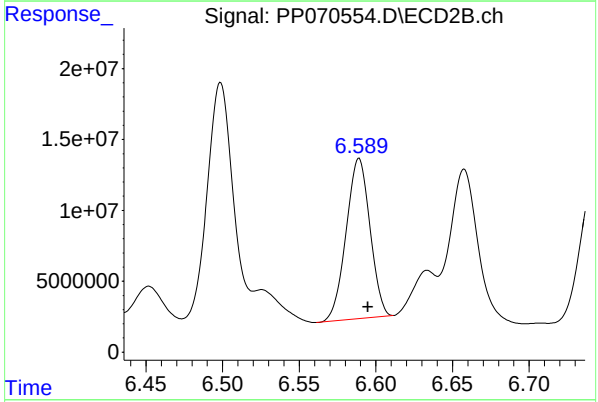
#32 AR-1260-2

R.T.: 7.516 min
Delta R.T.: -0.009 mi
Response: 387949235
Conc: 4728.61 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O15

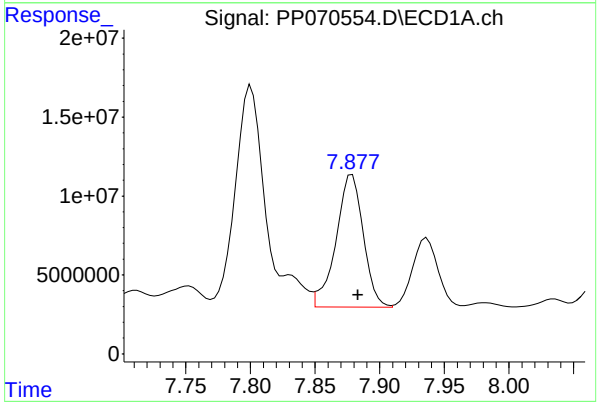
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



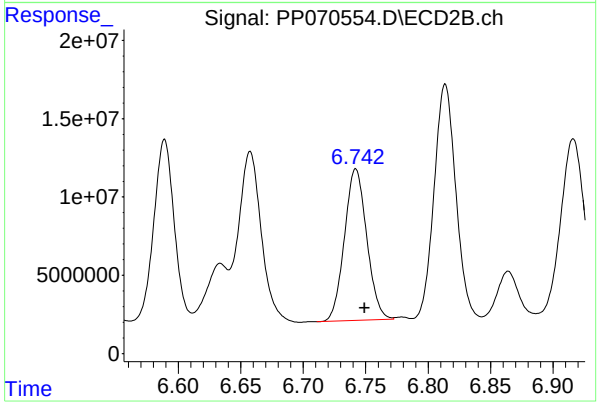
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 123689030
Conc: 1871.60 ng/ml



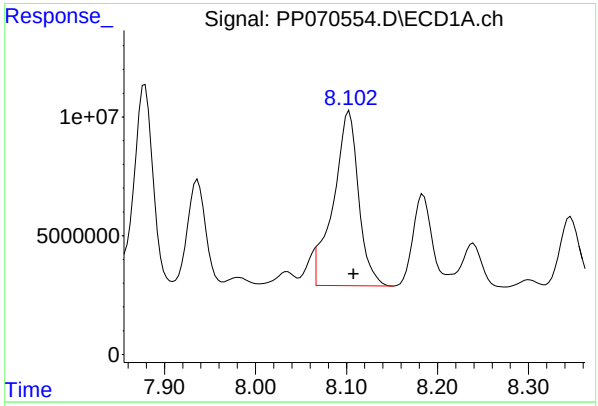
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.005 min
Response: 123274893
Conc: 1874.68 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 120338401
Conc: 2103.92 ng/ml



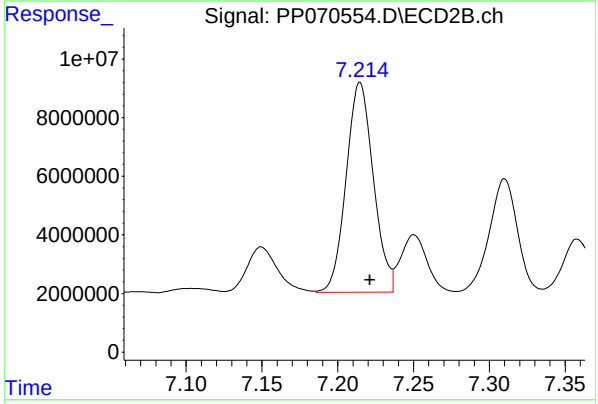
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 140348626
Conc: 2147.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15

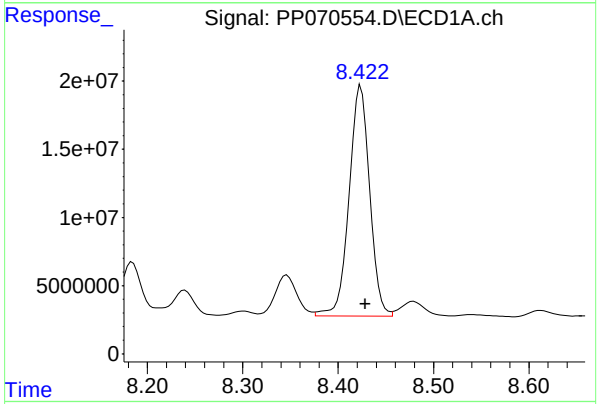
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



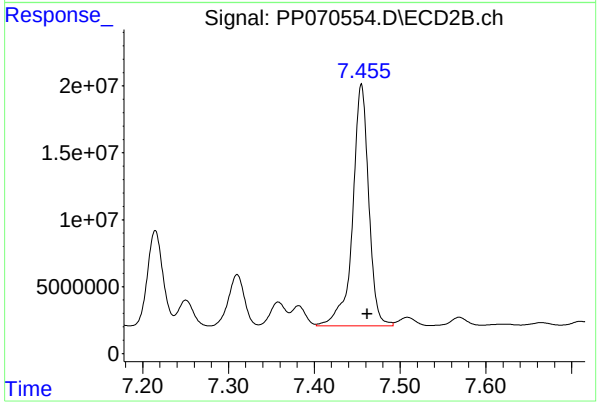
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 89531555
Conc: 1749.91 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 min
Response: 255225355
Conc: 1867.35 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 235493832
Conc: 1828.58 ng/ml

Raw Data: **PP070583.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O15DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-03DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	80 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070583.D	5	03/14/25 12:25	03/17/25 11:35	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	106	UD	24.6	106	ug/kg
11104-28-2	Aroclor-1221	106	UD	25.1	106	ug/kg
11141-16-5	Aroclor-1232	106	UD	23.2	106	ug/kg
53469-21-9	Aroclor-1242	106	UD	25.0	106	ug/kg
12672-29-6	Aroclor-1248	6500	ED	36.9	106	ug/kg
11097-69-1	Aroclor-1254	106	UD	20.0	106	ug/kg
37324-23-5	Aroclor-1262	106	UD	31.3	106	ug/kg
11100-14-4	Aroclor-1268	106	UD	22.4	106	ug/kg
11096-82-5	Aroclor-1260	1300	D	20.1	106	ug/kg
Total PCBs	Total PCBs	7800	D	57.0	106	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.5		32 - 144	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	28.9		32 - 175	145%	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: **PP070583.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:35
Operator : YP\AJ
Sample : Q1572-03DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O15DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.524	3.827	6141936	5111554	3.949	5.100	#
2)	SA Decachlor...	10.246	8.874	4801805	5665044	4.520	5.790	#
	Target Compounds							
21)	L5 AR-1248-1	5.676	4.914	64733664	47788737	1895.238	2035.683	
22)	L5 AR-1248-2	5.947	5.151	147.5E6	104.8E6	3475.738	3349.413	
23)	L5 AR-1248-3	6.150	5.194	160.4E6	103.6E6	3476.623	3264.591	
24)	L5 AR-1248-4	6.548	5.367	197.4E6	130.2E6	3404.734	3341.465	
25)	L5 AR-1248-5	6.587	5.760	182.8E6	130.8E6	3405.738	3433.618	
31)	L7 AR-1260-1	7.268	6.405	36421734	57298772	620.069	1150.939	#
32)	L7 AR-1260-2	7.518	6.591	88839155	31412276	1082.836	475.314	#
33)	L7 AR-1260-3	7.880	6.744	28688272	30462177	436.273	532.580	
34)	L7 AR-1260-4	8.104	7.216	35970093	21931321	550.483	428.651	
35)	L7 AR-1260-5	8.426	7.457	59845484	53316207	437.859	413.993	

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

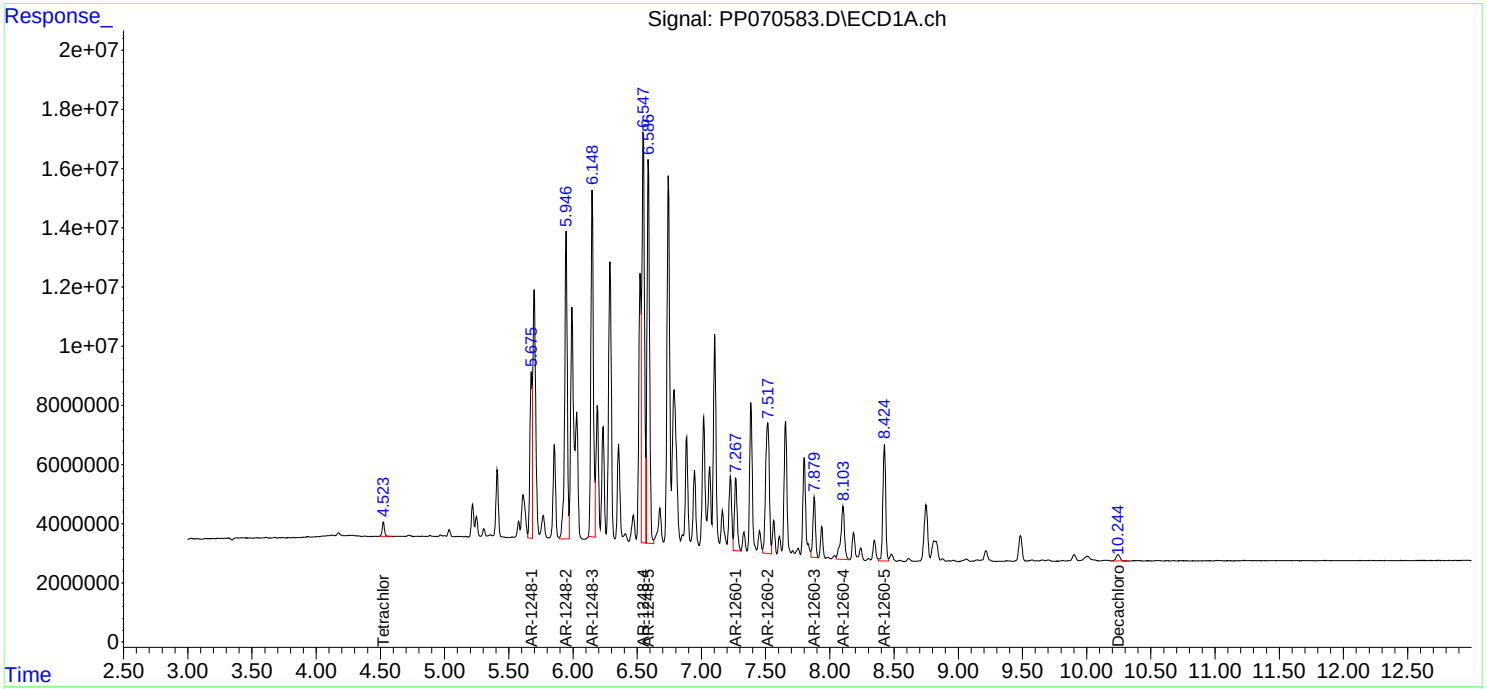
Sample Results: **PP070583.D**

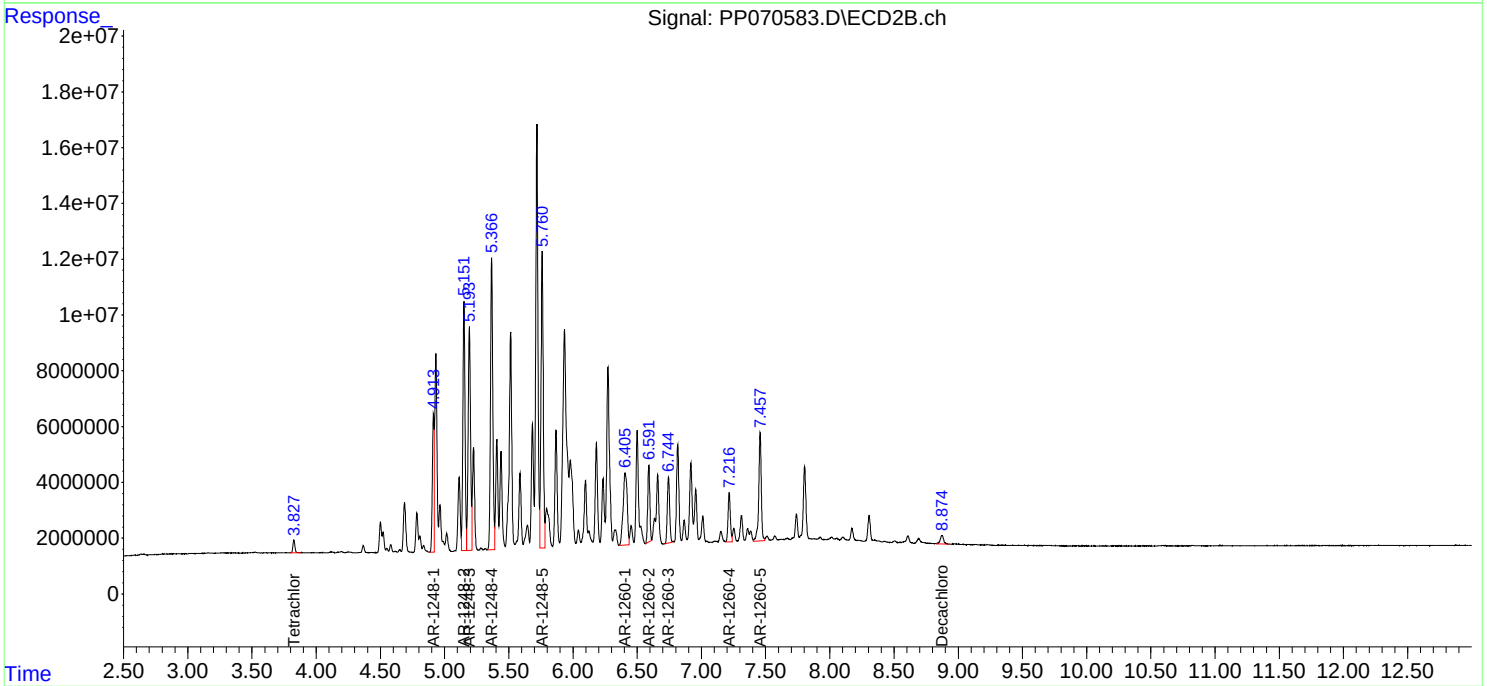
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:35
Operator : YP\AJ
Sample : Q1572-03DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

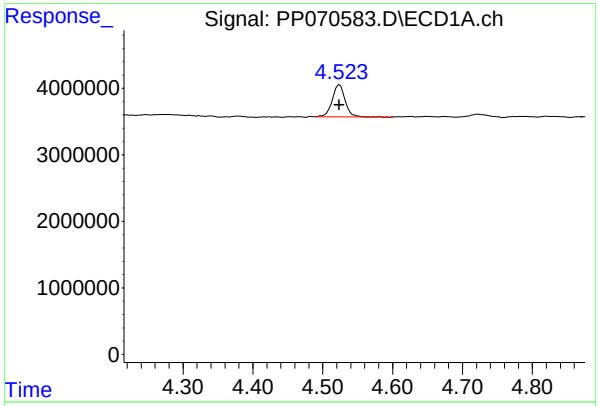
Instrument :
ECD_P
ClientSampleId :
C0O15DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



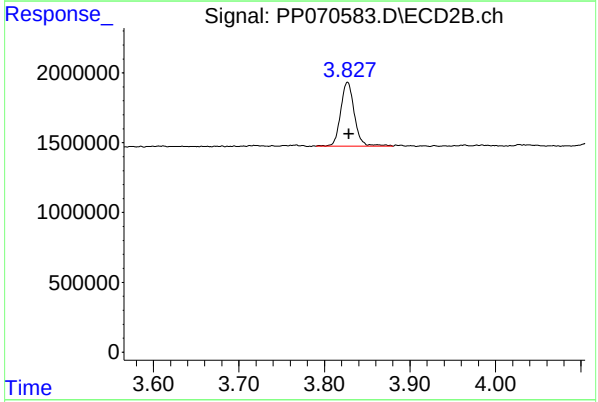




#1 Tetrachloro-m-xylene

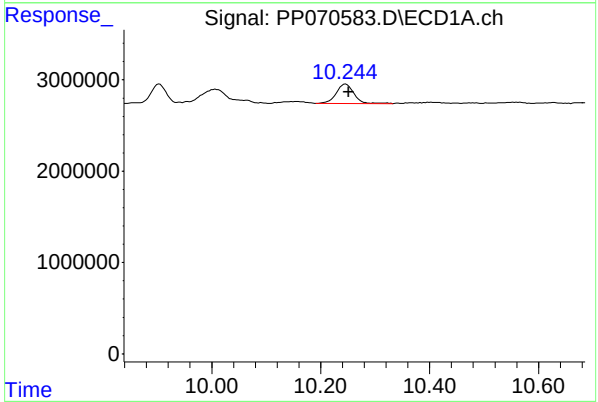
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 6141936
Conc: 3.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL



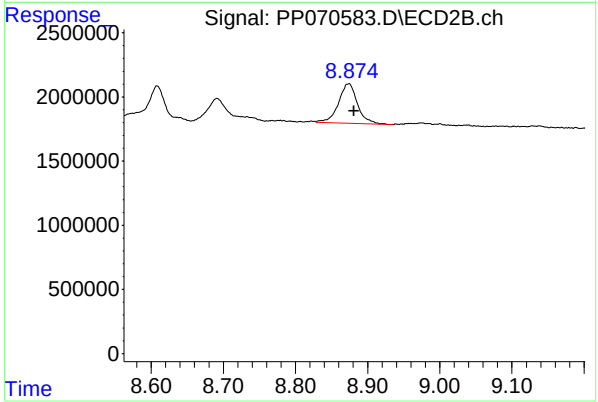
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 5111554
Conc: 5.10 ng/ml



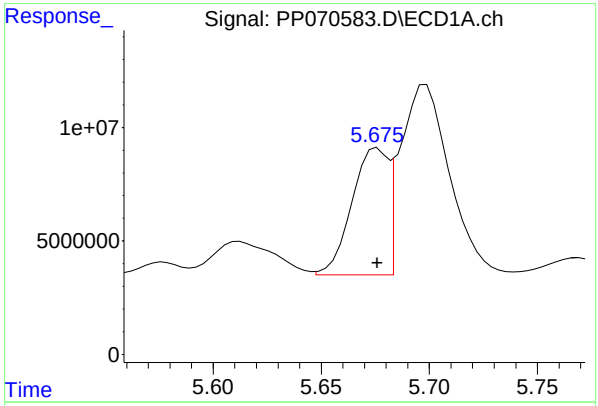
#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: -0.006 min
Response: 4801805
Conc: 4.52 ng/ml



#2 Decachlorobiphenyl

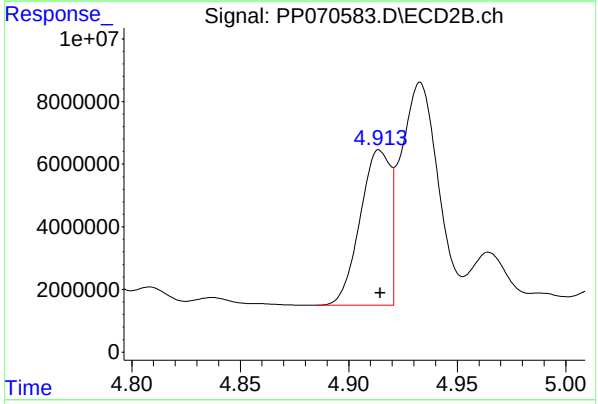
R.T.: 8.874 min
Delta R.T.: -0.007 min
Response: 5665044
Conc: 5.79 ng/ml



#21 AR-1248-1

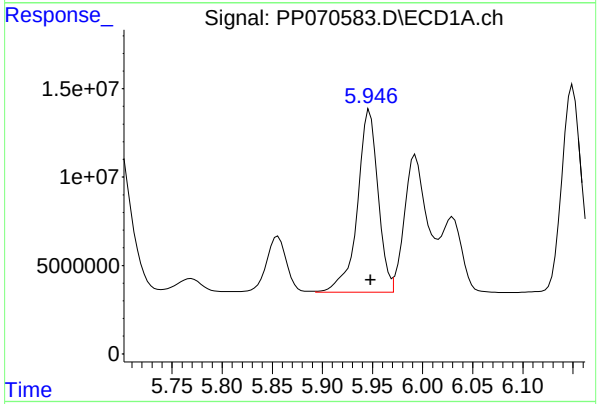
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 64733664
Conc: 1895.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL



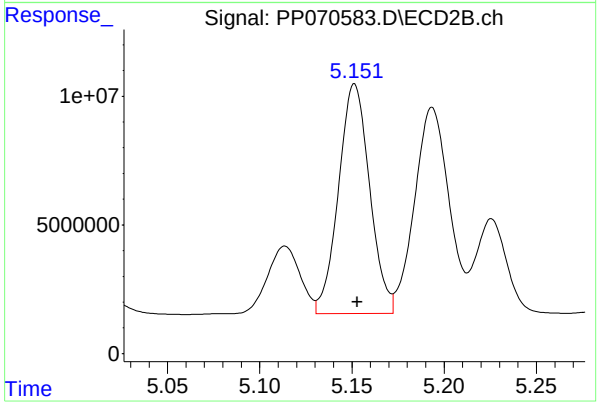
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 47788737
Conc: 2035.68 ng/ml



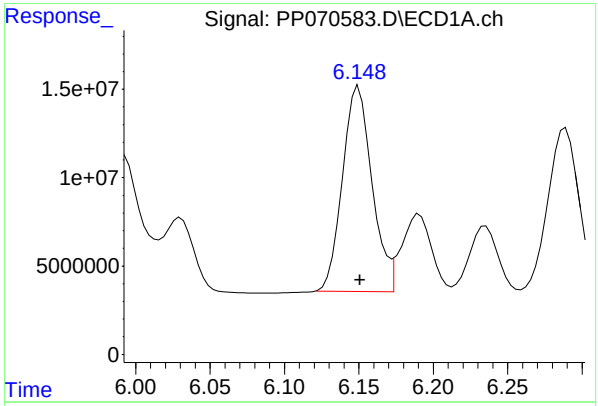
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 147535568
Conc: 3475.74 ng/ml



#22 AR-1248-2

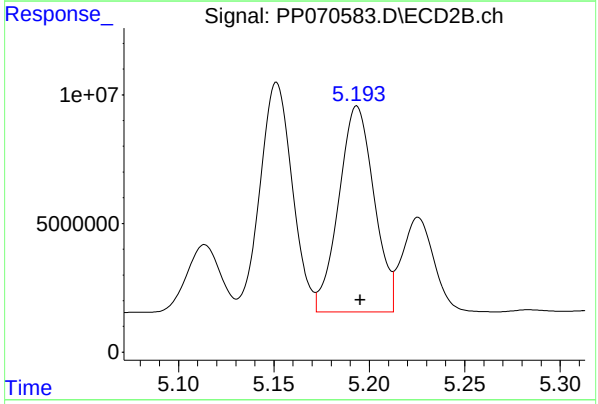
R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 104848174
Conc: 3349.41 ng/ml



#23 AR-1248-3

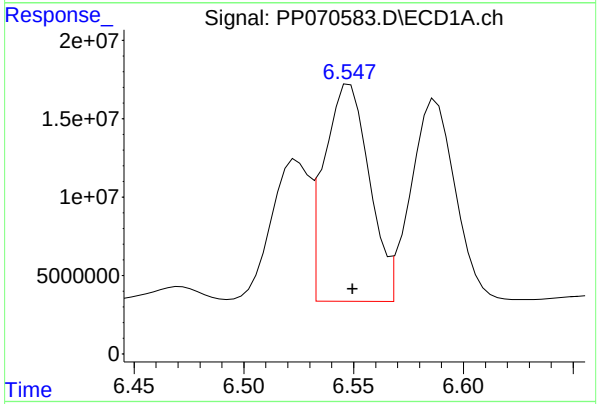
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 160441413
Conc: 3476.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL



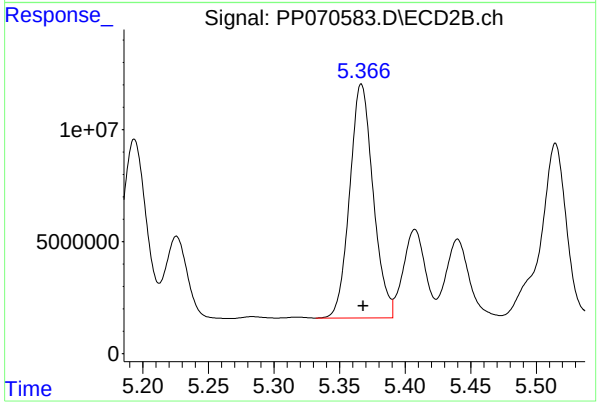
#23 AR-1248-3

R.T.: 5.194 min
Delta R.T.: -0.002 min
Response: 103557954
Conc: 3264.59 ng/ml



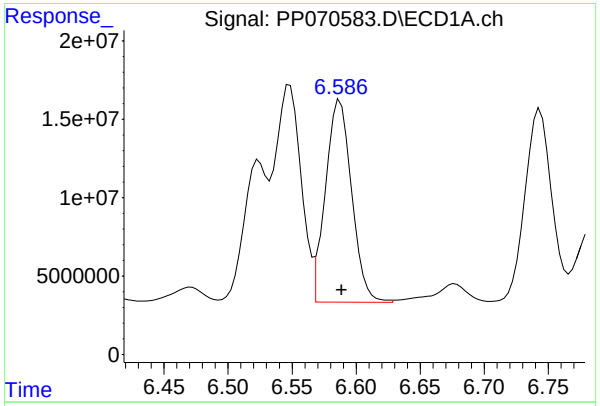
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.001 min
Response: 197444783
Conc: 3404.73 ng/ml



#24 AR-1248-4

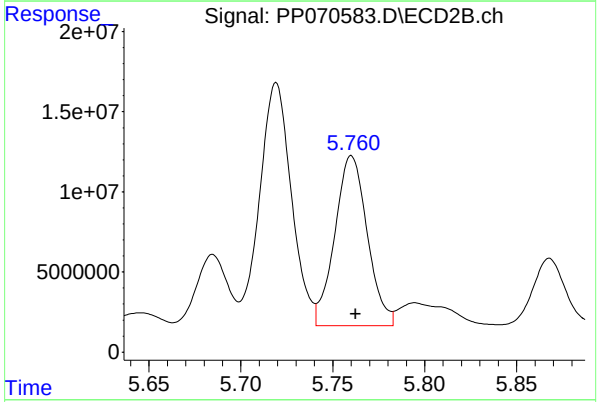
R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 130227474
Conc: 3341.46 ng/ml



#25 AR-1248-5

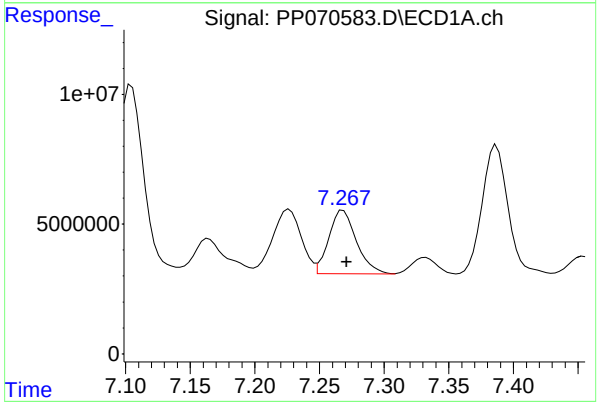
R.T.: 6.587 min
Delta R.T.: -0.001 min
Response: 182845066
Conc: 3405.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL



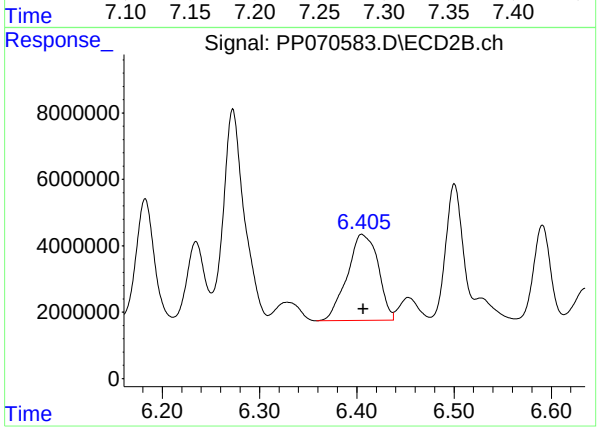
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.002 min
Response: 130775103
Conc: 3433.62 ng/ml



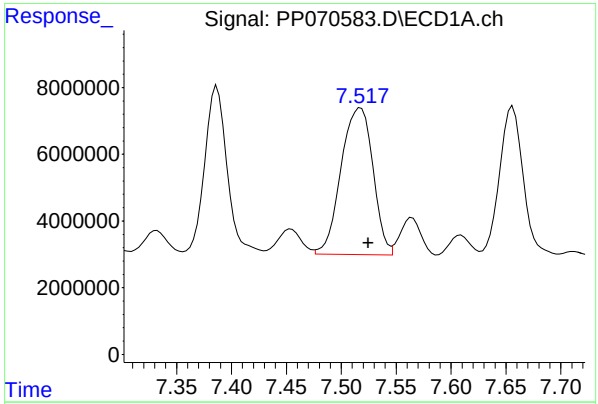
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 36421734
Conc: 620.07 ng/ml



#31 AR-1260-1

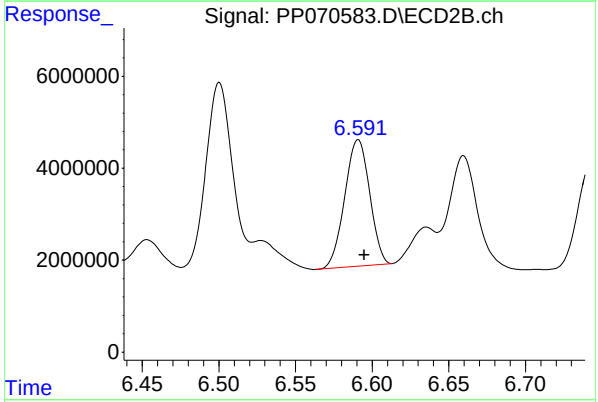
R.T.: 6.405 min
Delta R.T.: -0.001 min
Response: 57298772
Conc: 1150.94 ng/ml



#32 AR-1260-2

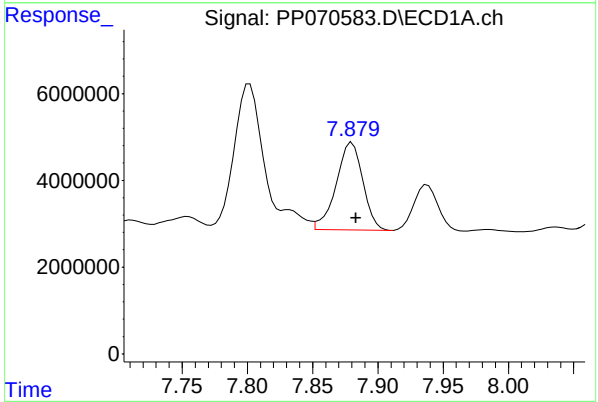
R.T.: 7.518 min
Delta R.T.: -0.007 mi
Response: 88839155
Conc: 1082.84 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O15DL



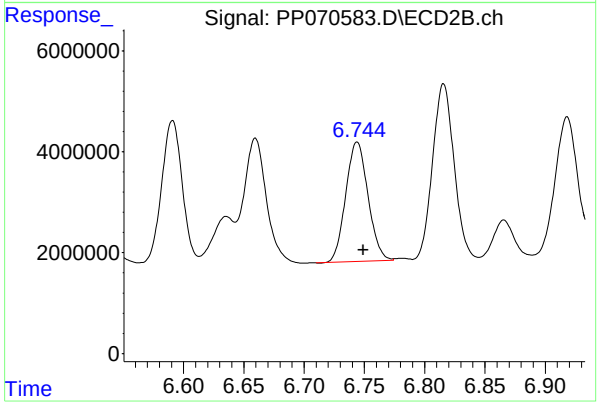
#32 AR-1260-2

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 31412276
Conc: 475.31 ng/ml



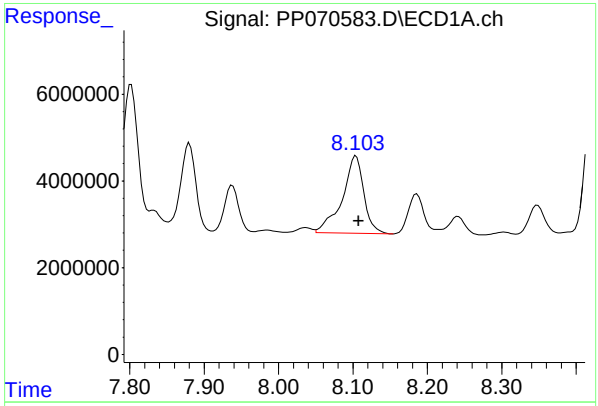
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 28688272
Conc: 436.27 ng/ml



#33 AR-1260-3

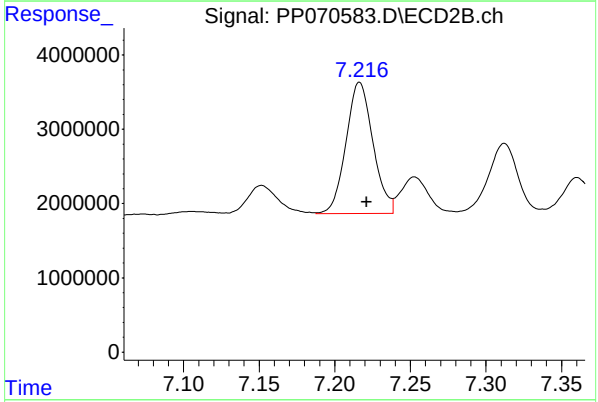
R.T.: 6.744 min
Delta R.T.: -0.005 min
Response: 30462177
Conc: 532.58 ng/ml



#34 AR-1260-4

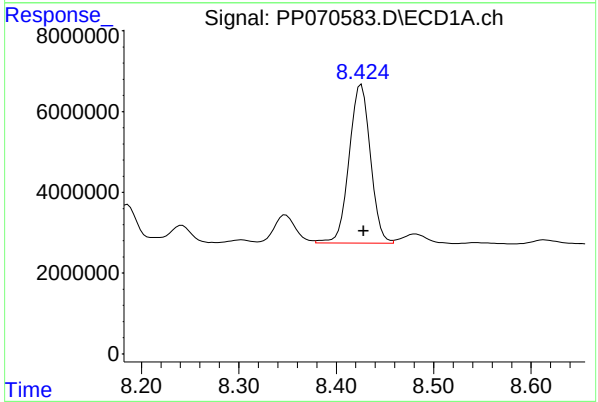
R.T.: 8.104 min
Delta R.T.: -0.004 min
Response: 35970093
Conc: 550.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL



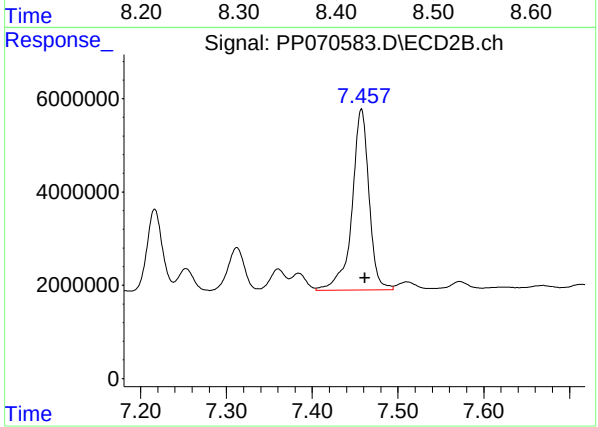
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 21931321
Conc: 428.65 ng/ml



#35 AR-1260-5

R.T.: 8.426 min
Delta R.T.: -0.003 min
Response: 59845484
Conc: 437.86 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.004 min
Response: 53316207
Conc: 413.99 ng/ml

Raw Data: **PP070584.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O15DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-03DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	80 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070584.D	25	03/14/25 12:25	03/17/25 11:51	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	529	UD	123	529	ug/kg
11104-28-2	Aroclor-1221	529	UD	126	529	ug/kg
11141-16-5	Aroclor-1232	529	UD	116	529	ug/kg
53469-21-9	Aroclor-1242	529	UD	125	529	ug/kg
12672-29-6	Aroclor-1248	9300	D	184	529	ug/kg
11097-69-1	Aroclor-1254	529	UD	100	529	ug/kg
37324-23-5	Aroclor-1262	529	UD	156	529	ug/kg
11100-14-4	Aroclor-1268	529	UD	112	529	ug/kg
11096-82-5	Aroclor-1260	1800	D	101	529	ug/kg
Total PCBs	Total PCBs	11000	D	285	529	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	31.8	*	32 - 144	159%	SPK: 20
2051-24-3	Decachlorobiphenyl	38.0	*	32 - 175	190%	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: **PP070584.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:51
Operator : YP\AJ
Sample : Q1572-03DL2 25X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O15DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.526	3.826	1594105	1268590	1.025	1.266	
2)	SA Decachlor...	10.244	8.870	1037476	1488551	0.977	1.521	#
	Target Compounds							
21)	L5 AR-1248-1	5.677	4.914	17667683	13975801	517.265	595.335	
22)	L5 AR-1248-2	5.947	5.151	42079116	30845090	991.327	985.358	
23)	L5 AR-1248-3	6.150	5.193	44505036	30280318	964.385	954.565	
24)	L5 AR-1248-4	6.549	5.366	55967807	37147323	965.108	953.151	
25)	L5 AR-1248-5	6.588	5.759	51605711	37004057	961.227	971.575	
31)	L7 AR-1260-1	7.269	6.403	9884624	16613608	168.283	333.711	#
32)	L7 AR-1260-2	7.519	6.590	23836858	9052947	290.541	136.984	#
33)	L7 AR-1260-3	7.882	6.743	7473183	8875749	113.647	155.178	#
34)	L7 AR-1260-4	8.105	7.215	9362010	6295909	143.275	123.055	
35)	L7 AR-1260-5	8.427	7.456	15764419	15300562	115.340	118.807	

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

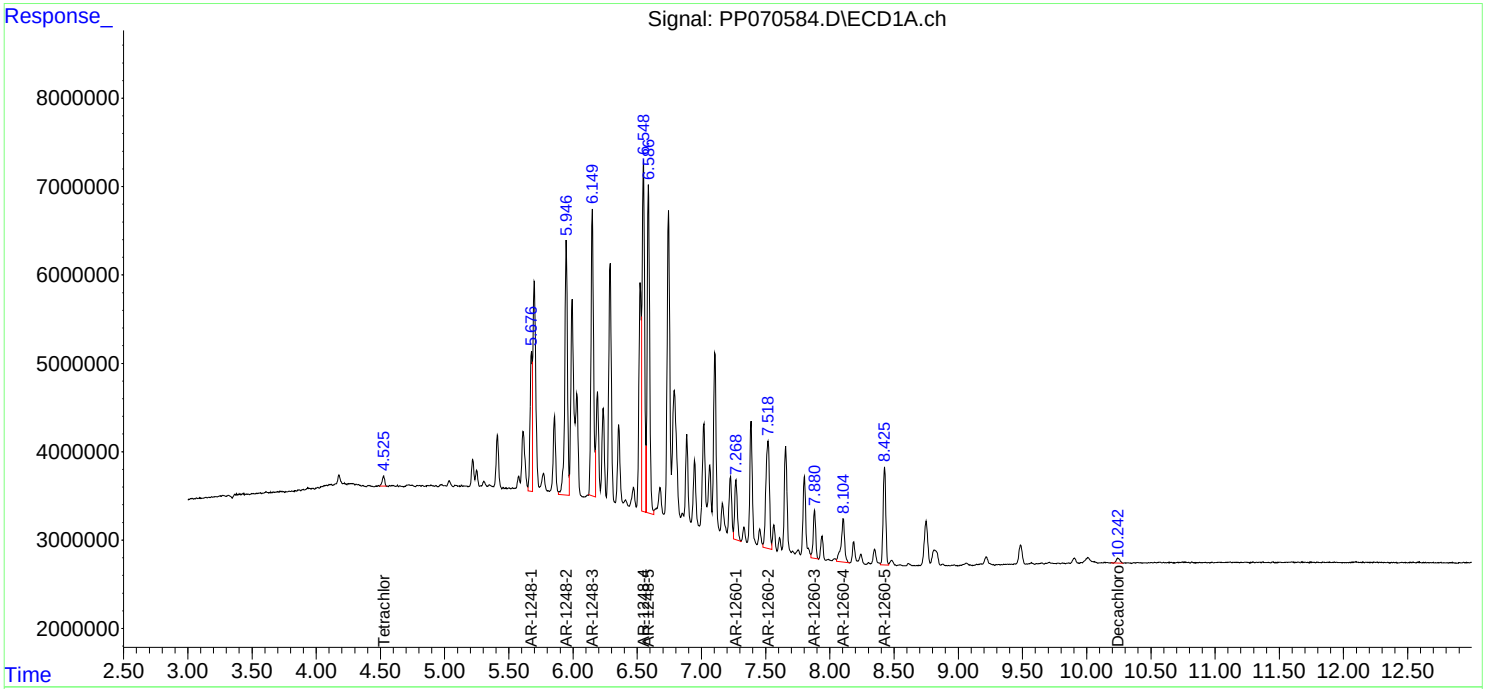
Sample Results: **PP070584.D**

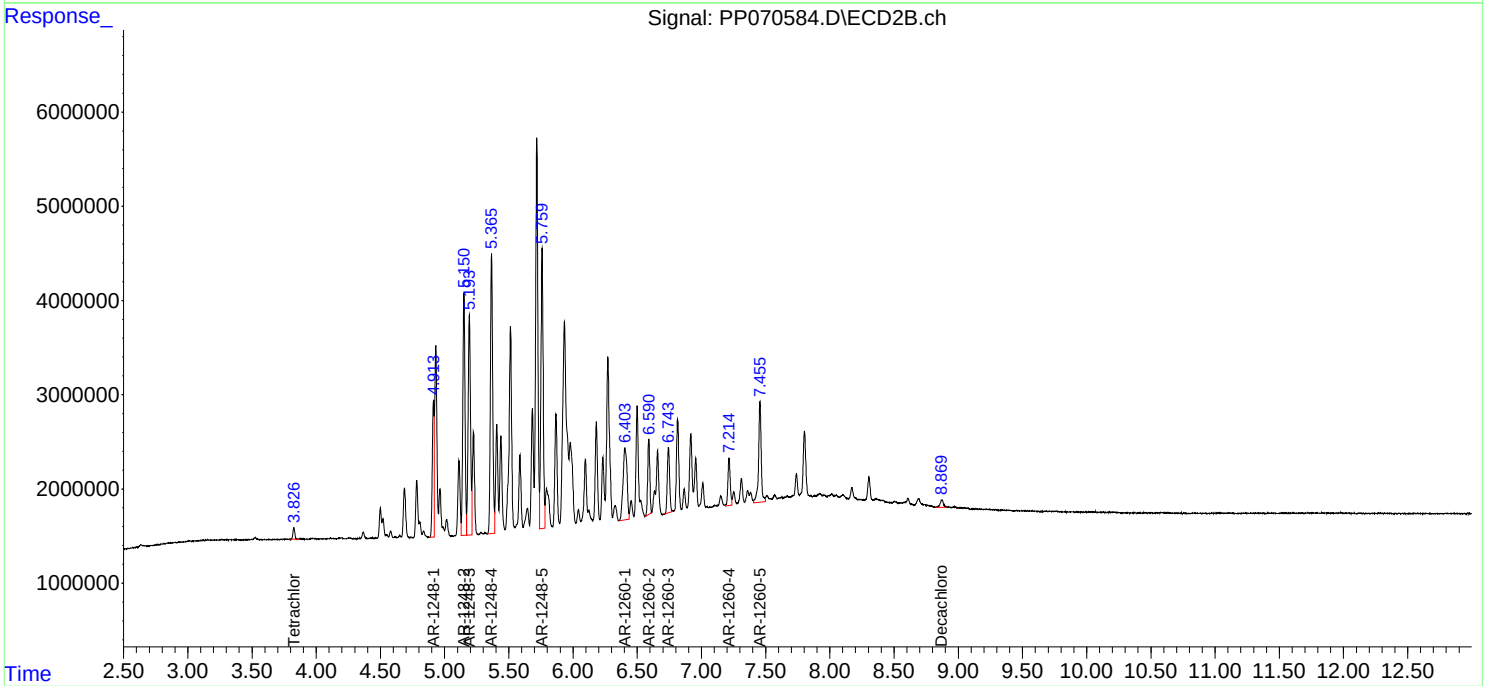
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:51
Operator : YP\AJ
Sample : Q1572-03DL2 25X
Misc :
ALS Vial : 12 Sample Multiplier: 1

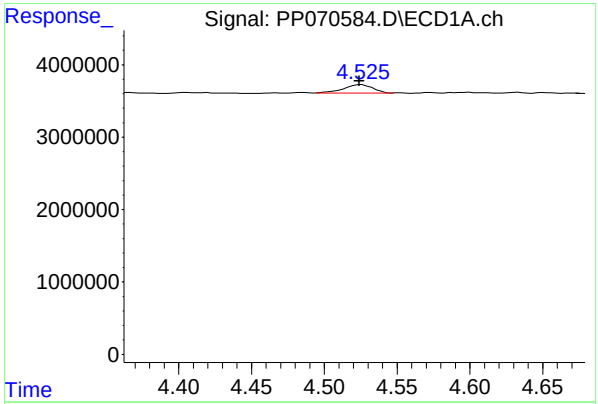
Instrument :
ECD_P
ClientSampleId :
C0O15DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



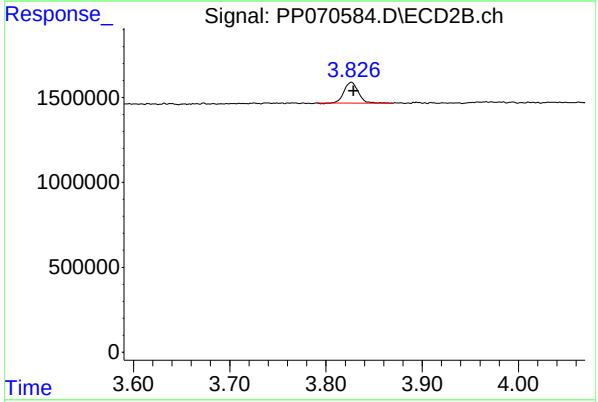




#1 Tetrachloro-m-xylene

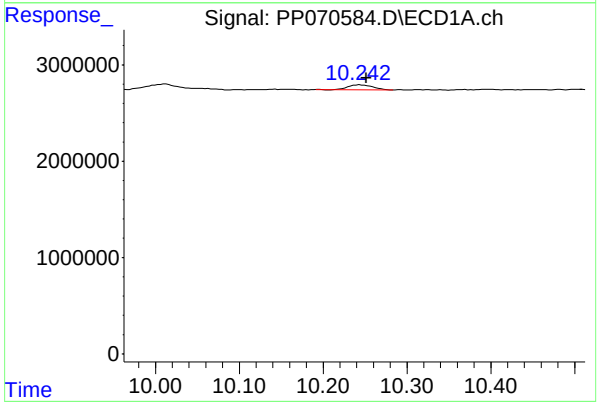
R.T.: 4.526 min
Delta R.T.: 0.002 min
Response: 1594105
Conc: 1.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL2



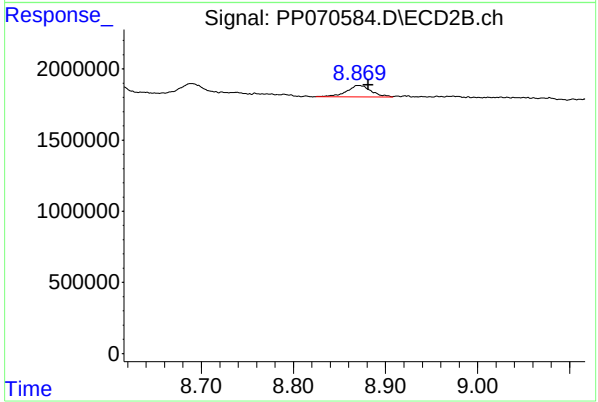
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 1268590
Conc: 1.27 ng/ml



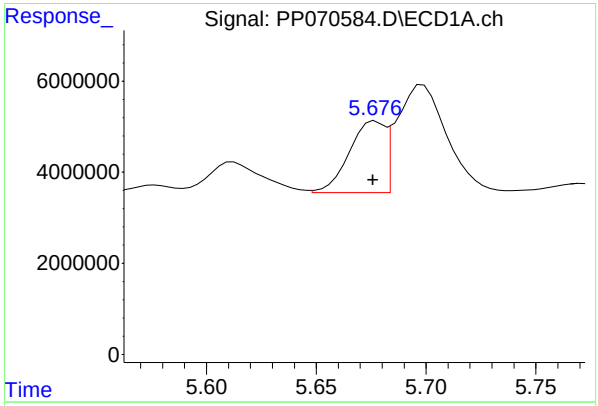
#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.008 min
Response: 1037476
Conc: 0.98 ng/ml



#2 Decachlorobiphenyl

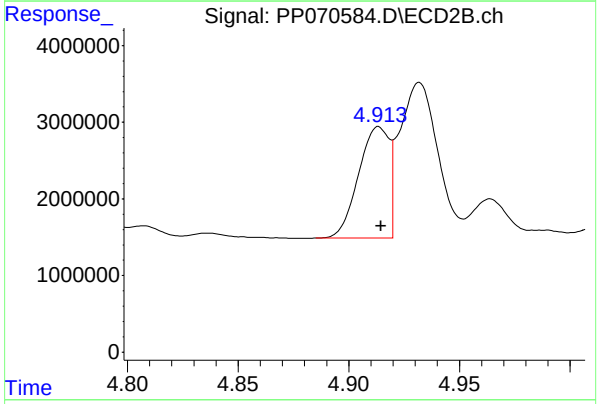
R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 1488551
Conc: 1.52 ng/ml



#21 AR-1248-1

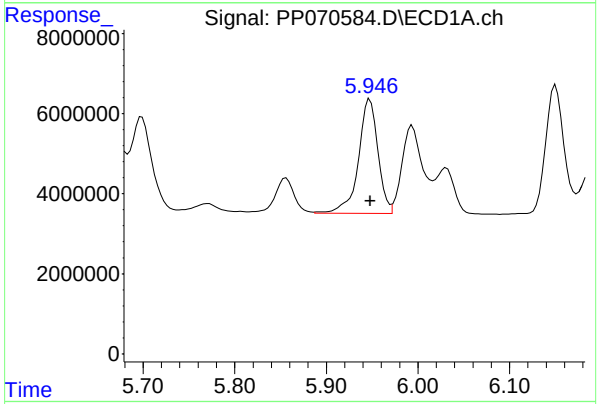
R.T.: 5.677 min
Delta R.T.: 0.001 min
Response: 17667683
Conc: 517.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL2



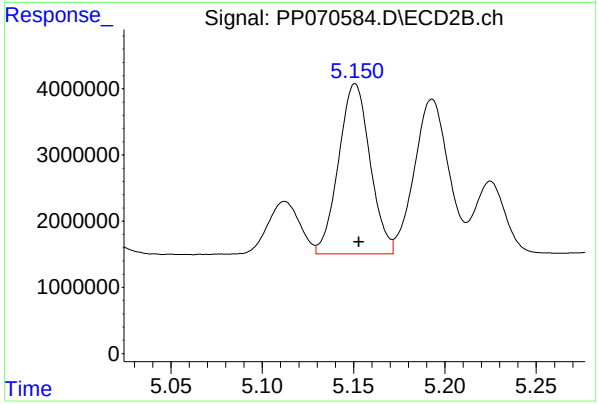
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: -0.001 min
Response: 13975801
Conc: 595.33 ng/ml



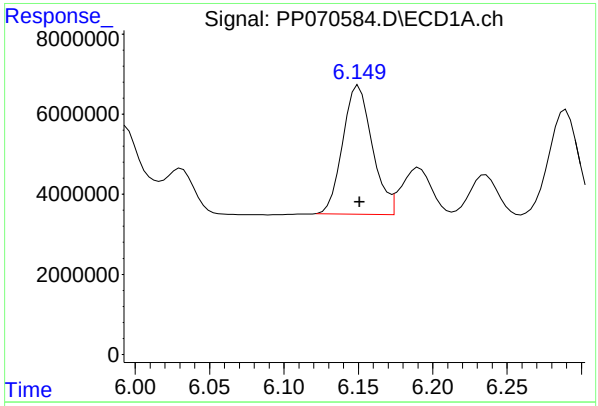
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 42079116
Conc: 991.33 ng/ml



#22 AR-1248-2

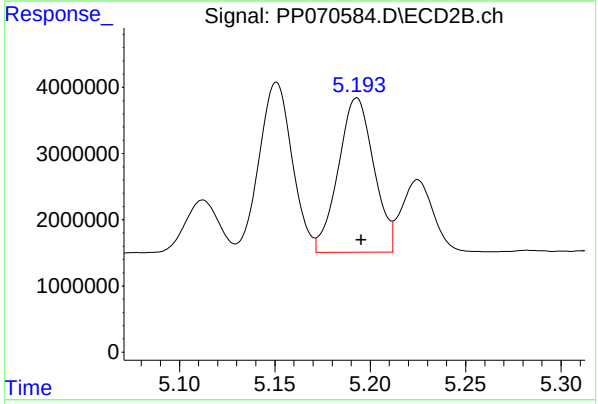
R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 30845090
Conc: 985.36 ng/ml



#23 AR-1248-3

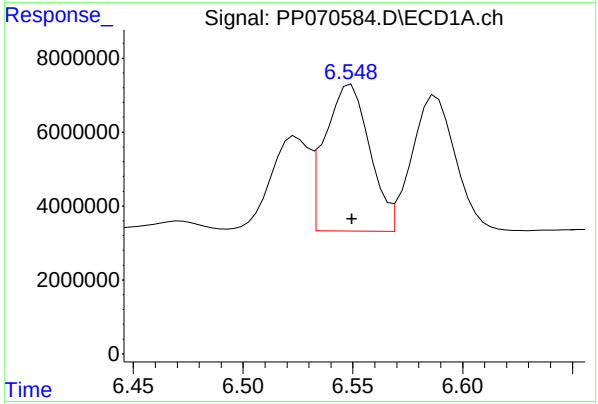
R.T.: 6.150 min
Delta R.T.: 0.000 min
Response: 44505036
Conc: 964.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL2



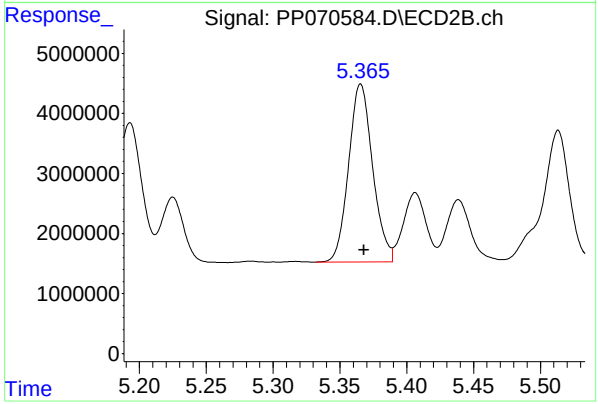
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 30280318
Conc: 954.57 ng/ml



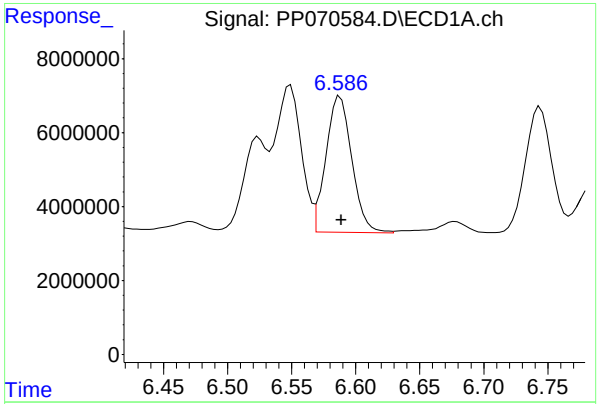
#24 AR-1248-4

R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 55967807
Conc: 965.11 ng/ml



#24 AR-1248-4

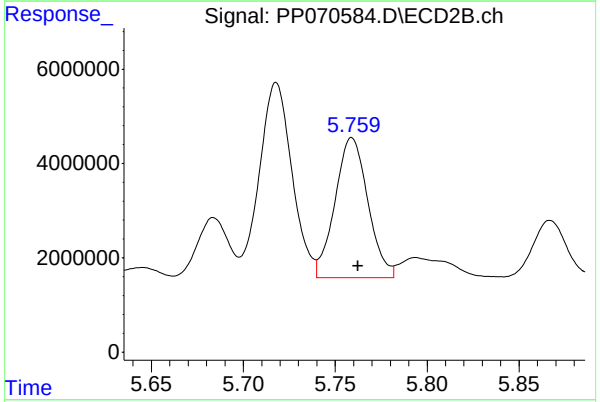
R.T.: 5.366 min
Delta R.T.: -0.003 min
Response: 37147323
Conc: 953.15 ng/ml



#25 AR-1248-5

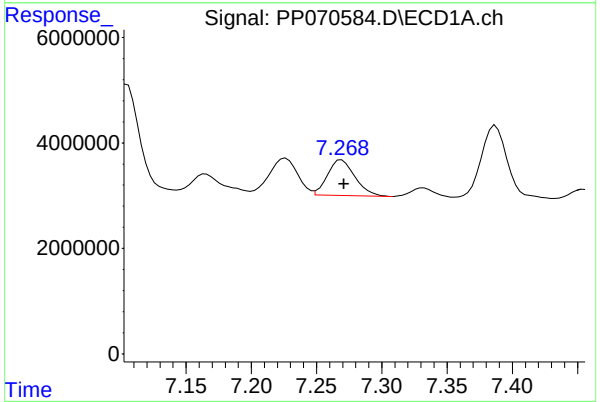
R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 51605711
Conc: 961.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL2



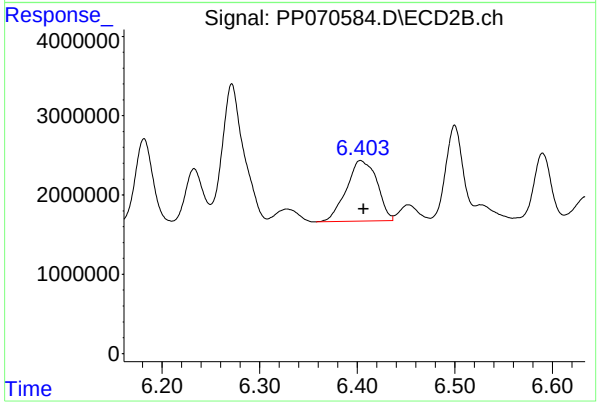
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.003 min
Response: 37004057
Conc: 971.57 ng/ml



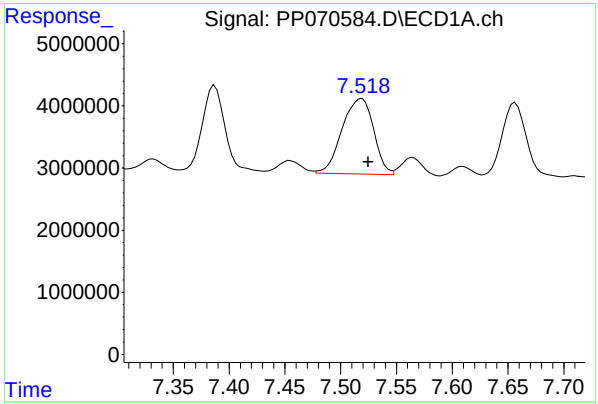
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.002 min
Response: 9884624
Conc: 168.28 ng/ml



#31 AR-1260-1

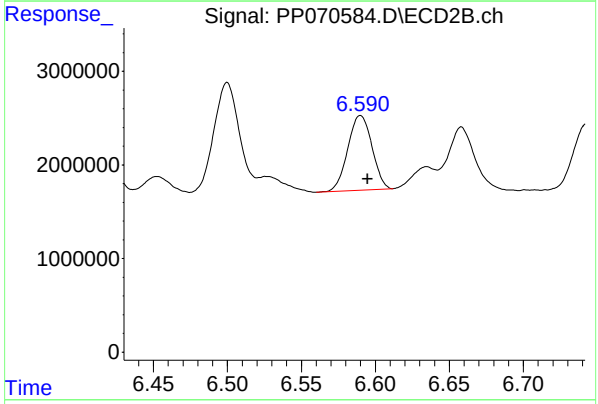
R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 16613608
Conc: 333.71 ng/ml



#32 AR-1260-2

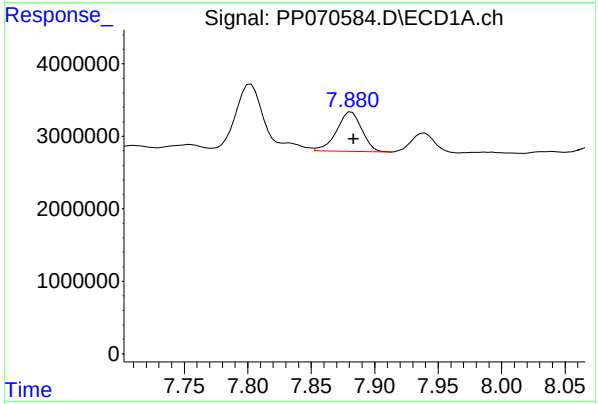
R.T.: 7.519 min
Delta R.T.: -0.006 mi
Response: 23836858
Conc: 290.54 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O15DL2



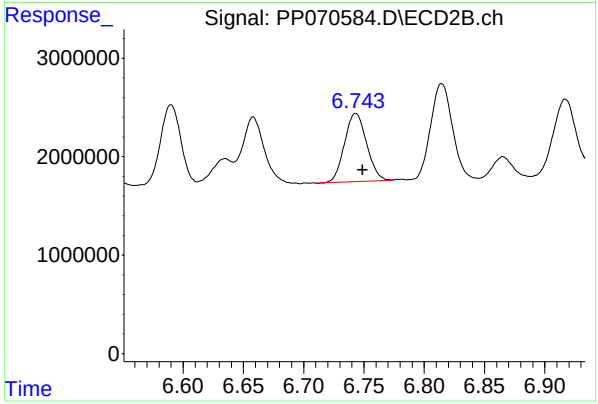
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 9052947
Conc: 136.98 ng/ml



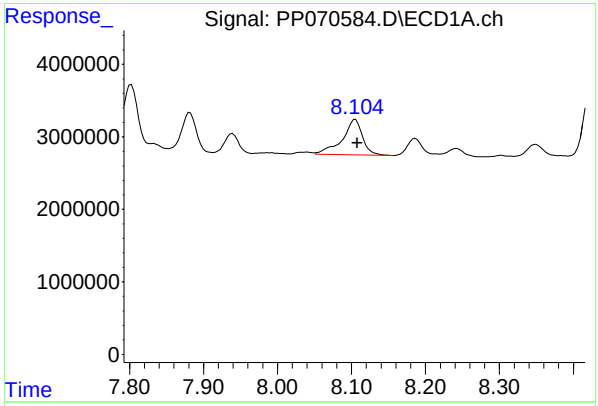
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.002 min
Response: 7473183
Conc: 113.65 ng/ml



#33 AR-1260-3

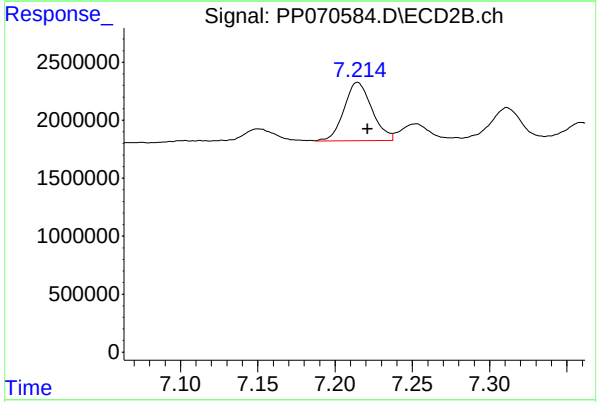
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 8875749
Conc: 155.18 ng/ml



#34 AR-1260-4

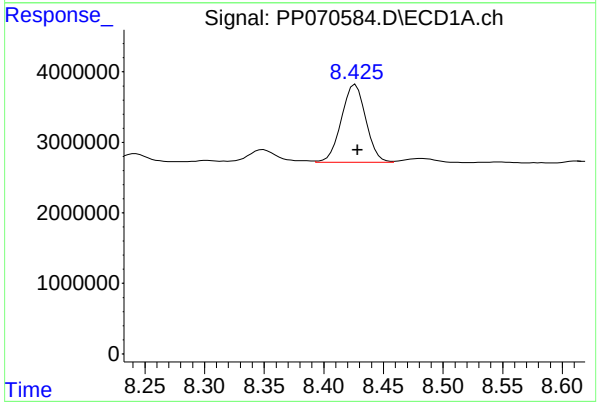
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 9362010
Conc: 143.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O15DL2



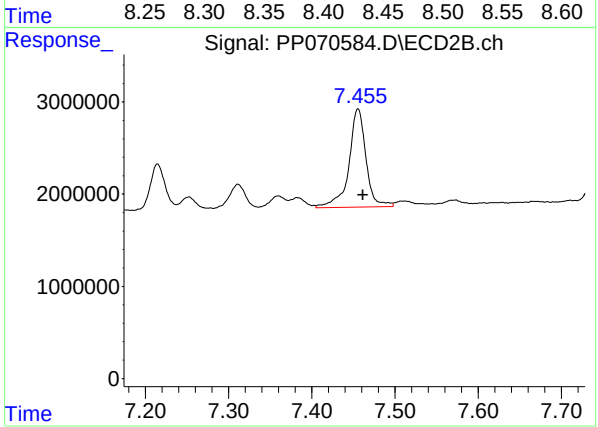
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.007 min
Response: 6295909
Conc: 123.05 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.002 min
Response: 15764419
Conc: 115.34 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 15300562
Conc: 118.81 ng/ml

Raw Data: **PP070555.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O16	SDG No.:	Q1572
Lab Sample ID:	Q1572-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	68.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070555.D	1	03/14/25 12:25	03/15/25 00:30	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	24.8	U	5.80	24.8	ug/kg
11104-28-2	Aroclor-1221	24.8	U	5.90	24.8	ug/kg
11141-16-5	Aroclor-1232	24.8	U	5.40	24.8	ug/kg
53469-21-9	Aroclor-1242	24.8	U	5.90	24.8	ug/kg
12672-29-6	Aroclor-1248	9000	E	8.60	24.8	ug/kg
11097-69-1	Aroclor-1254	24.8	U	4.70	24.8	ug/kg
37324-23-5	Aroclor-1262	24.8	U	7.30	24.8	ug/kg
11100-14-4	Aroclor-1268	24.8	U	5.30	24.8	ug/kg
11096-82-5	Aroclor-1260	1200	E	4.70	24.8	ug/kg
Total PCBs	Total PCBs	10000	E	13.3	24.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	45.9	*	32 - 175	229%	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\PP031425\
Data File : PP070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 00:30
Operator : YP\AJ
Sample : Q1572-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O16

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.825	27214403	17713184	17.497	17.673
2)	SA Decachlor...	10.242	8.863	18649019	44856964	17.555	45.849 #
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.913	400.5E6	273.9E6	11724.972	11667.431
22)	L5 AR-1248-2	5.947	5.150	869.8E6	557.8E6	20491.205	17819.191
23)	L5 AR-1248-3	6.148	5.192	980.9E6	555.3E6	21254.289m	17506.278
24)	L5 AR-1248-4	6.548	5.365	1129.7E6	698.8E6	19479.719	17930.793
25)	L5 AR-1248-5	6.587	5.759	1052.8E6	690.2E6	19610.216	18122.172
31)	L7 AR-1260-1	7.268	6.412	156.7E6	256.9E6	2667.233	5160.228 #
32)	L7 AR-1260-2	7.520	6.590	309.4E6	114.9E6	3771.011	1738.154 #
33)	L7 AR-1260-3	7.880	6.742	110.1E6	119.1E6	1673.620	2082.113
34)	L7 AR-1260-4	8.102	7.215	141.4E6	79415512	2164.031	1552.190 #
35)	L7 AR-1260-5	8.424	7.455	226.2E6	199.2E6	1655.118	1546.564

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 00:30
Operator : YP\AJ
Sample : Q1572-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

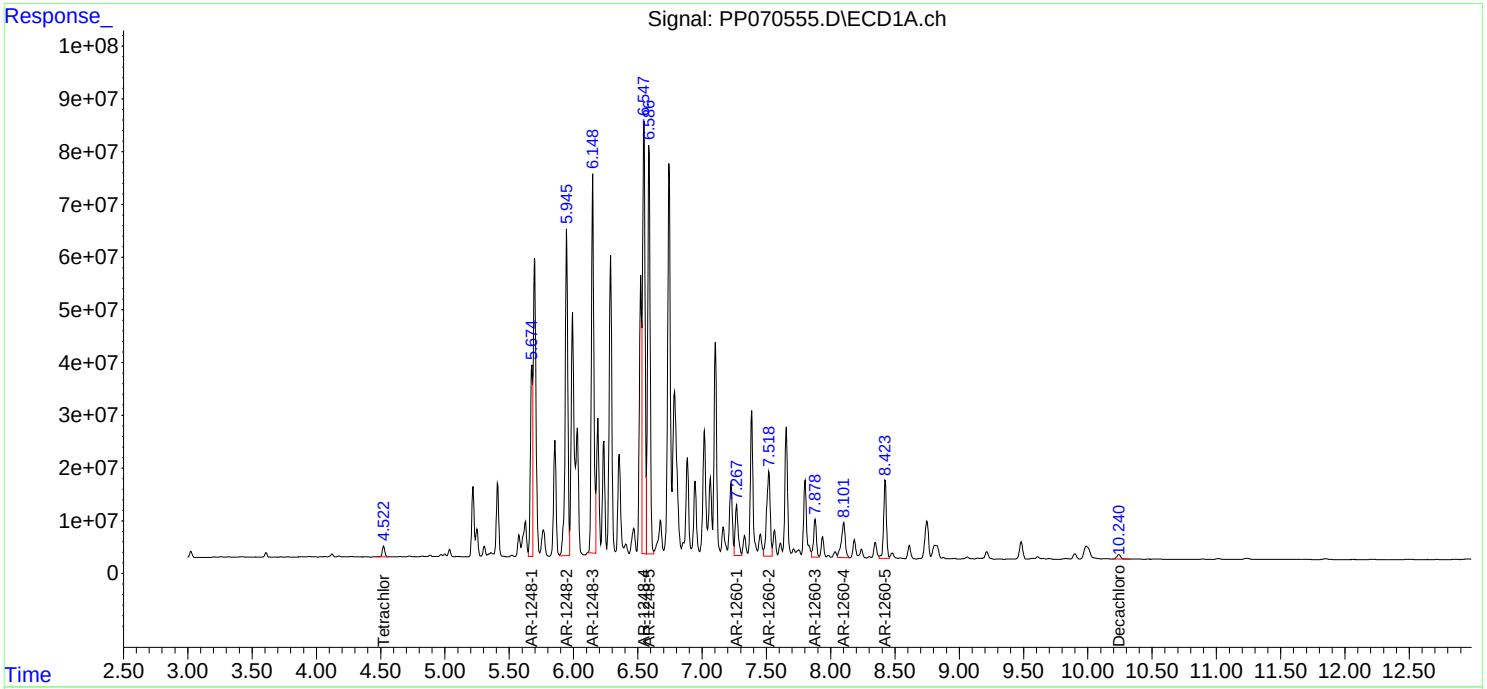
Instrument :
ECD_P
ClientSampleId :
C0O16

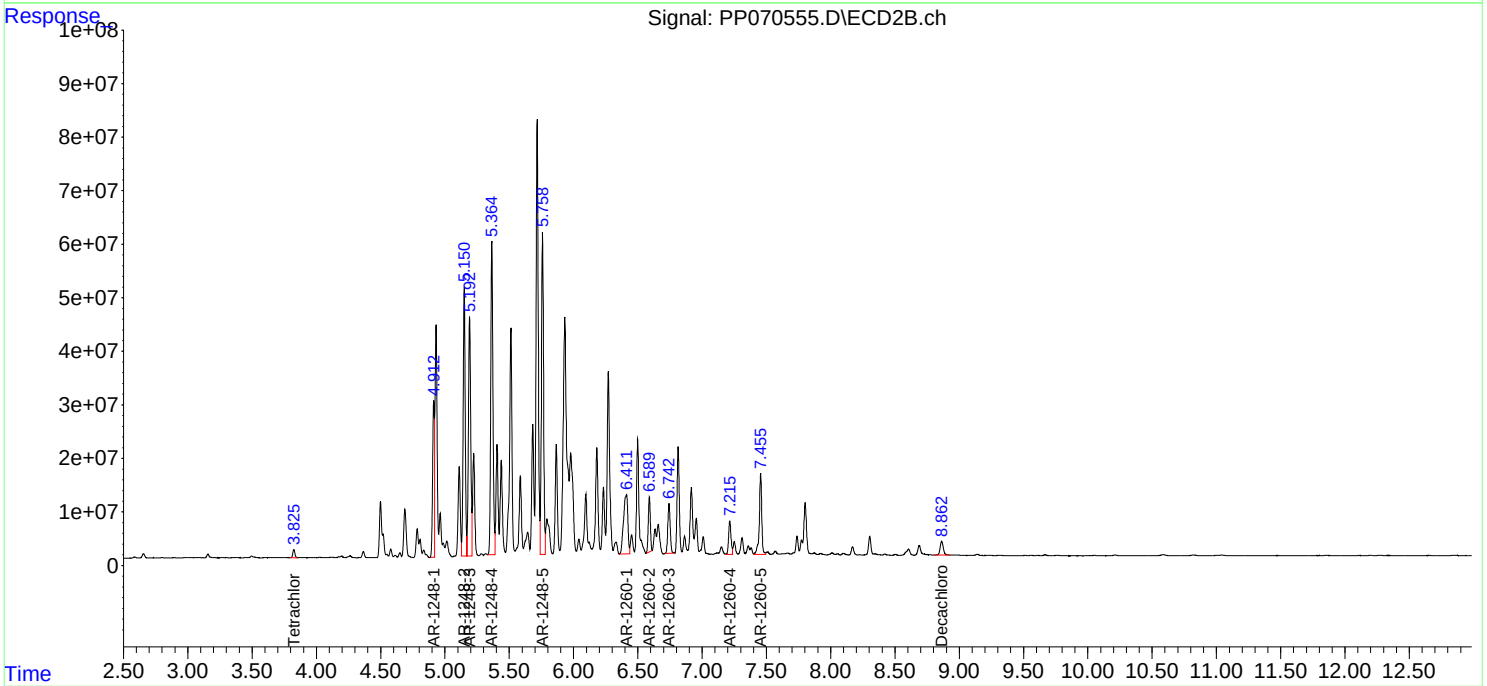
Manual Integrations APPROVED

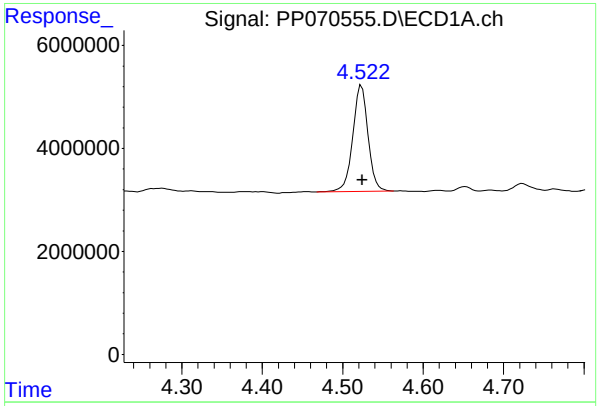
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

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

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







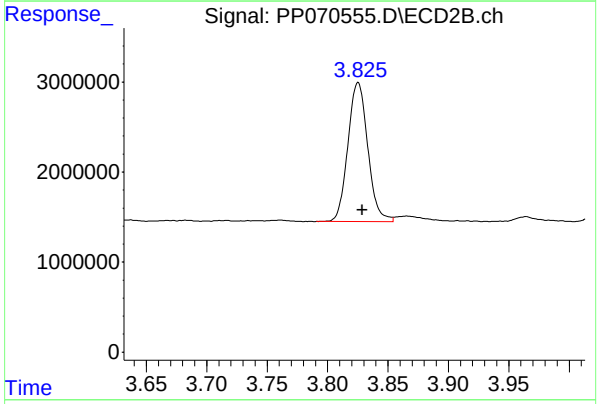
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: 0.000 mi
Response: 27214403
Conc: 17.50 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O16

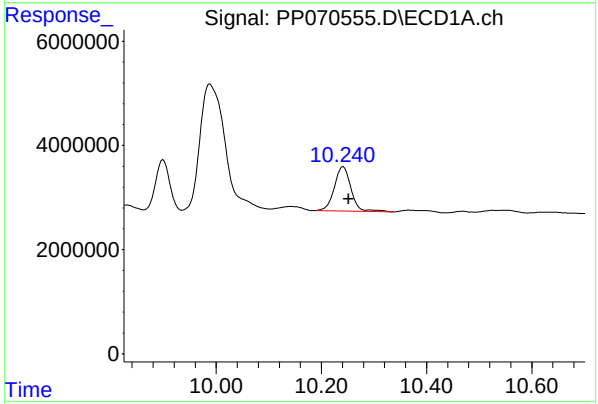
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



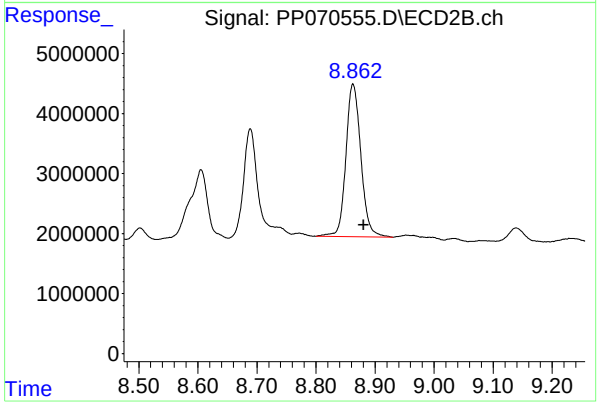
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 17713184
Conc: 17.67 ng/ml



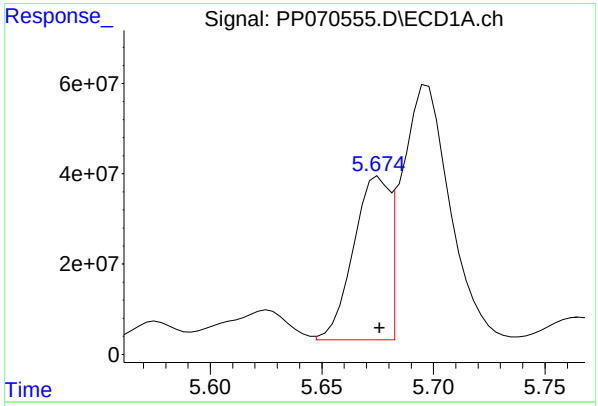
#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 18649019
Conc: 17.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.863 min
Delta R.T.: -0.018 min
Response: 44856964
Conc: 45.85 ng/ml



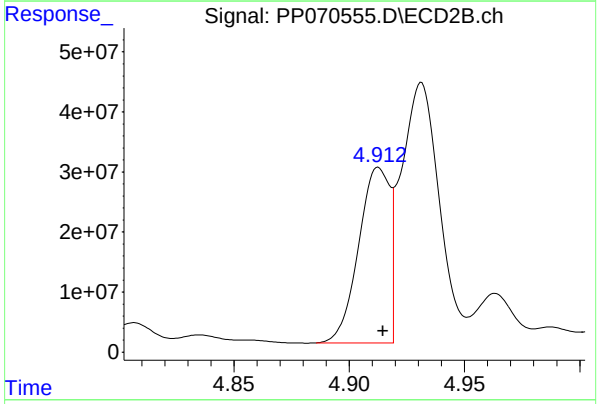
#21 AR-1248-1

R.T.: 5.676 min
Delta R.T.: 0.000 mi
Response: 400477661
Conc: 11724.97 ng/

Instrument :
ECD_P
ClientSampleId :
C0O16

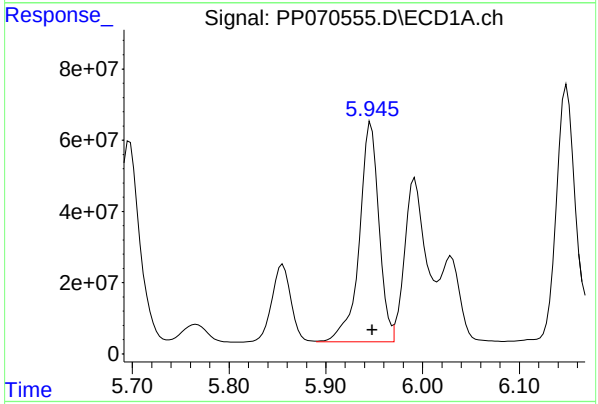
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



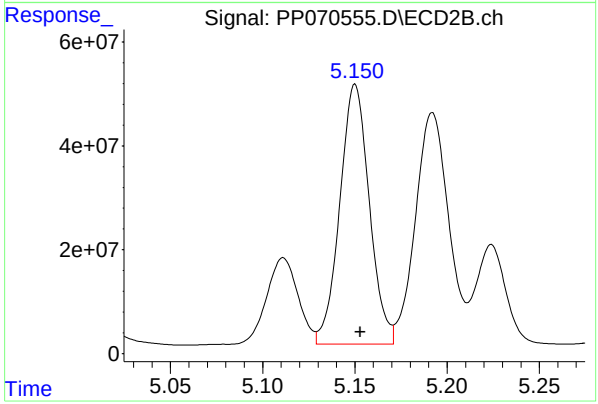
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 273899163
Conc: 11667.43 ng/ml



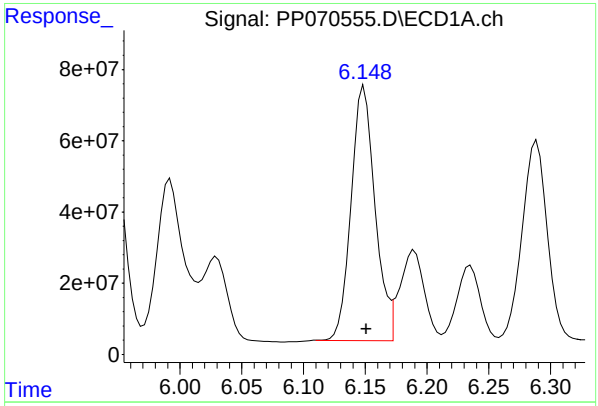
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 869795666
Conc: 20491.21 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 557802093
Conc: 17819.19 ng/ml



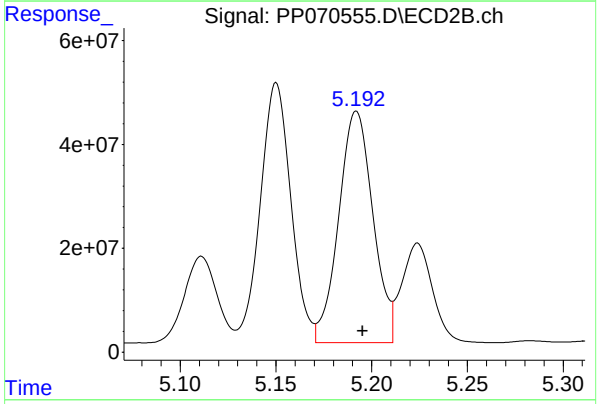
#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 980856596
Conc: 21254.29 ng/

Instrument :
ECD_P
ClientSampleId :
C0O16

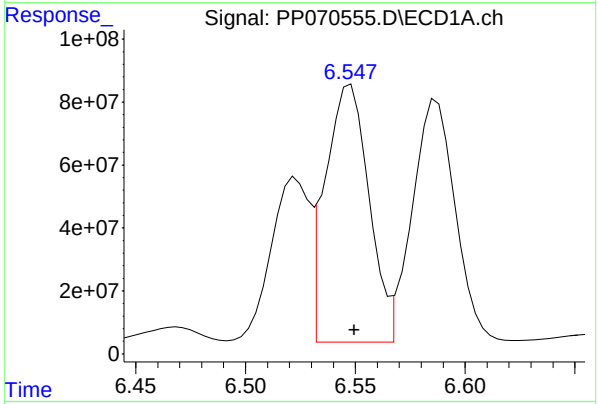
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



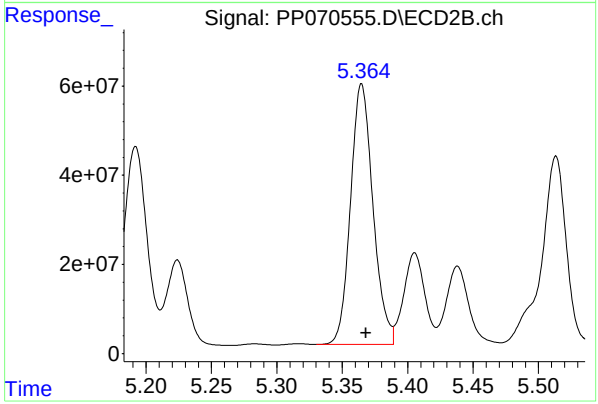
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 555326679
Conc: 17506.28 ng/ml



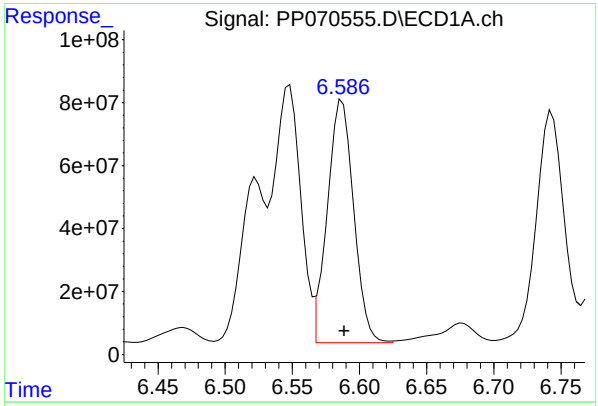
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.002 min
Response: 1129653425
Conc: 19479.72 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 698819876
Conc: 17930.79 ng/ml



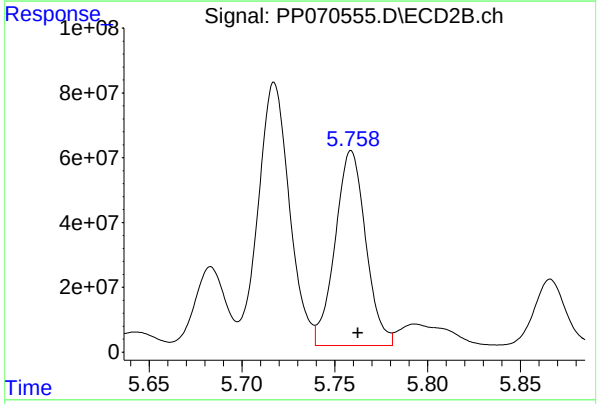
#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 mi
Response: 1052820661
Conc: 19610.22 ng/

Instrument :
ECD_P
ClientSampleId :
C0O16

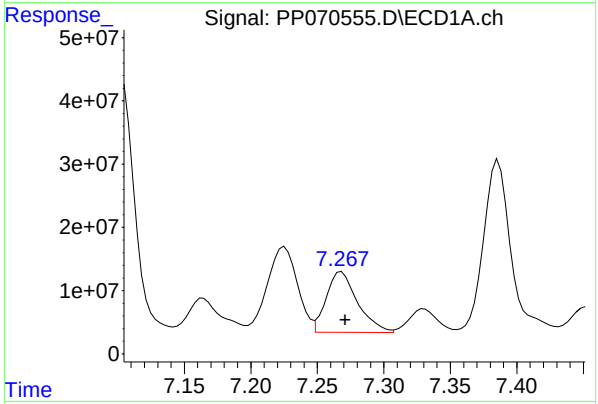
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



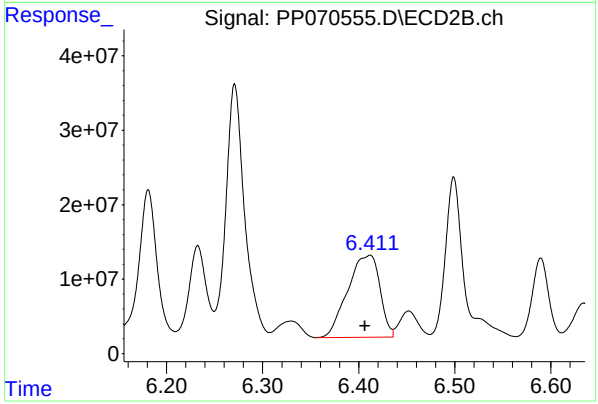
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 690213339
Conc: 18122.17 ng/ml



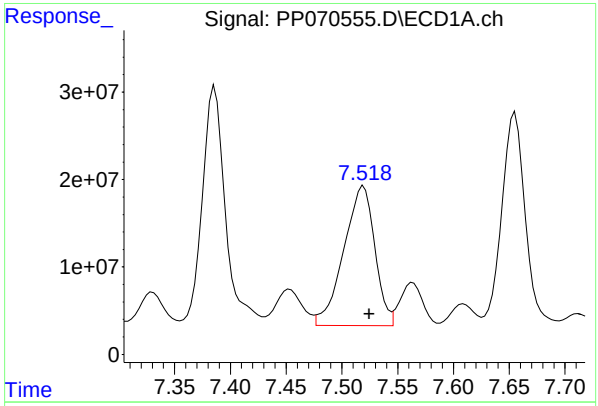
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 156668464
Conc: 2667.23 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: 0.005 min
Response: 256898764
Conc: 5160.23 ng/ml



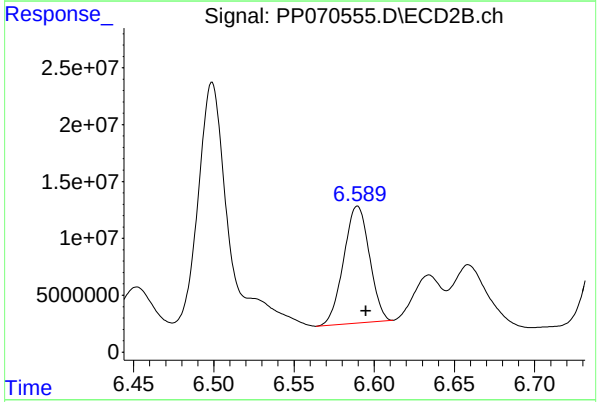
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.005 mi
Response: 309385088
Conc: 3771.01 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O16

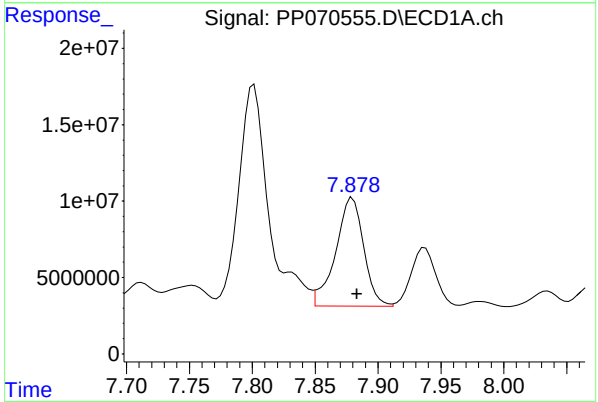
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



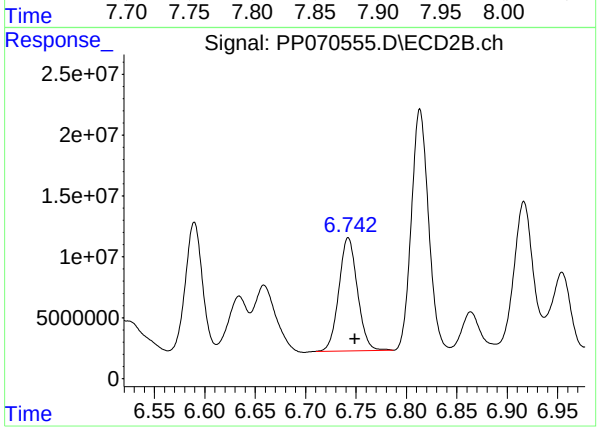
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 114870225
Conc: 1738.15 ng/ml



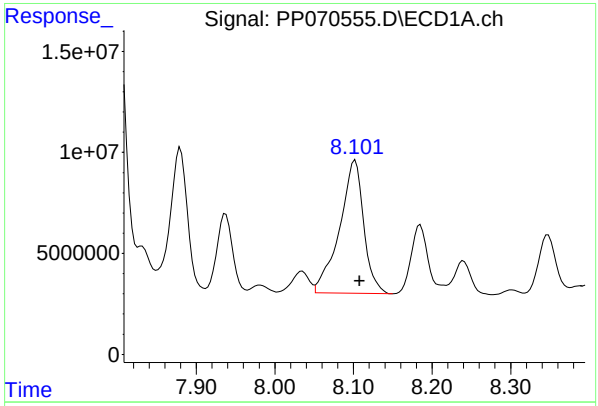
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 110053357
Conc: 1673.62 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 119091353
Conc: 2082.11 ng/ml



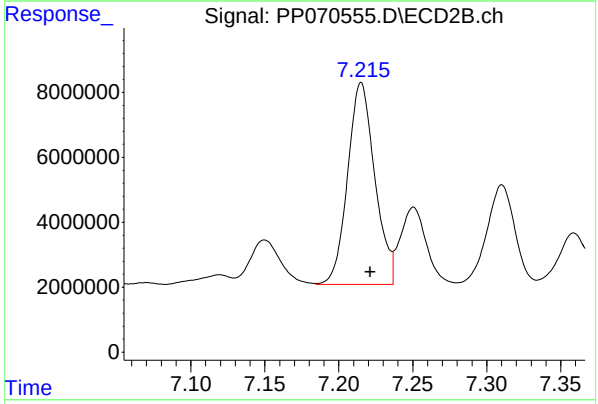
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 141403808
Conc: 2164.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16

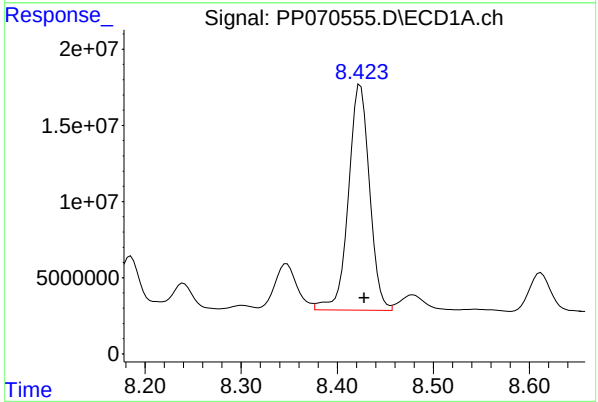
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



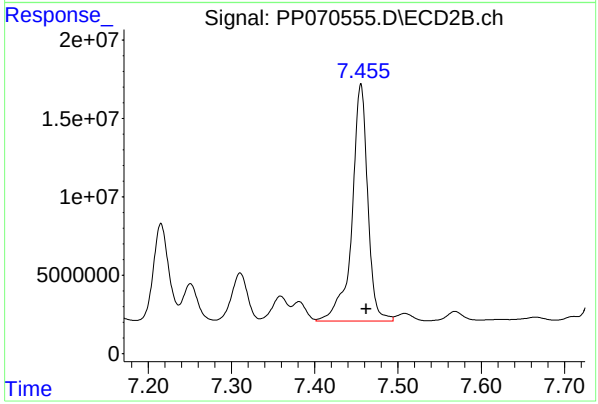
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 79415512
Conc: 1552.19 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 min
Response: 226217647
Conc: 1655.12 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 199174678
Conc: 1546.56 ng/ml

Raw Data: **PP070585.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O16DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-04DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	68.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070585.D	5	03/14/25 12:25	03/17/25 12:07	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	124	UD	28.8	124	ug/kg
11104-28-2	Aroclor-1221	124	UD	29.4	124	ug/kg
11141-16-5	Aroclor-1232	124	UD	27.2	124	ug/kg
53469-21-9	Aroclor-1242	124	UD	29.3	124	ug/kg
12672-29-6	Aroclor-1248	11000	ED	43.2	124	ug/kg
11097-69-1	Aroclor-1254	124	UD	23.4	124	ug/kg
37324-23-5	Aroclor-1262	124	UD	36.7	124	ug/kg
11100-14-4	Aroclor-1268	124	UD	26.3	124	ug/kg
11096-82-5	Aroclor-1260	1500	D	23.6	124	ug/kg
Total PCBs	Total PCBs	12000	D	66.8	124	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		32 - 144	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	54.0	*	32 - 175	270%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:07
Operator : YP\AJ
Sample : Q1572-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O16DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.525	3.826	6239224	4653055	4.011	4.642	
2)	SA Decachlor...	10.246	8.865	4122825	10567709	3.881	10.801	#
	Target Compounds							
21)	L5 AR-1248-1	5.677	4.913	97855568	72828430	2864.963	3102.312	
22)	L5 AR-1248-2	5.948	5.150	210.2E6	147.0E6	4951.702	4694.706	
23)	L5 AR-1248-3	6.150	5.193	228.7E6	145.3E6	4955.997	4581.938	
24)	L5 AR-1248-4	6.549	5.366	265.5E6	182.5E6	4579.007	4682.744	
25)	L5 AR-1248-5	6.589	5.760	248.7E6	175.7E6	4633.183	4612.967	
31)	L7 AR-1260-1	7.270	6.412	38819792	68220920	660.895	1370.328	#
32)	L7 AR-1260-2	7.521	6.590	75371649	30472432	918.685	461.092	#
33)	L7 AR-1260-3	7.882	6.743	26841392	31458658	408.186	550.002	#
34)	L7 AR-1260-4	8.105	7.216	35258939	20827608	539.600	407.079	
35)	L7 AR-1260-5	8.427	7.456	54668690	50394031	399.983	391.303	

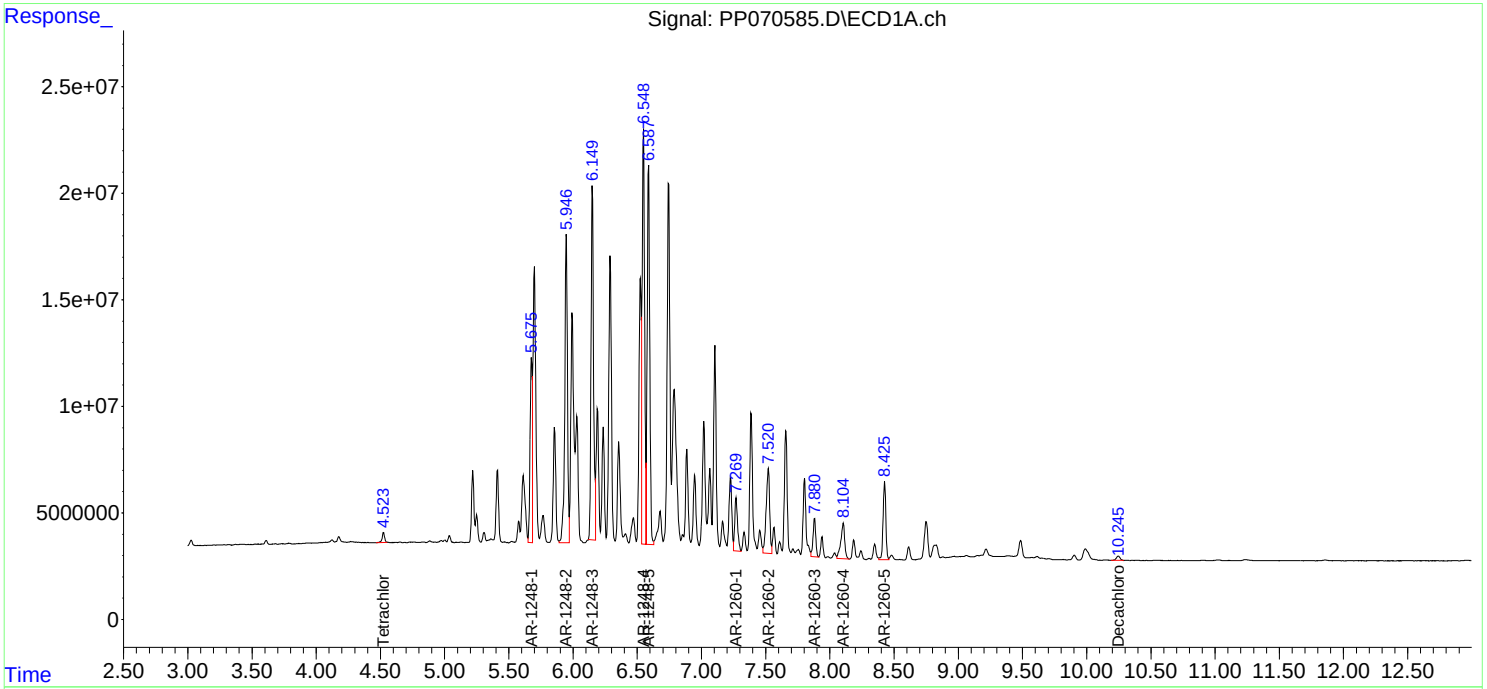
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

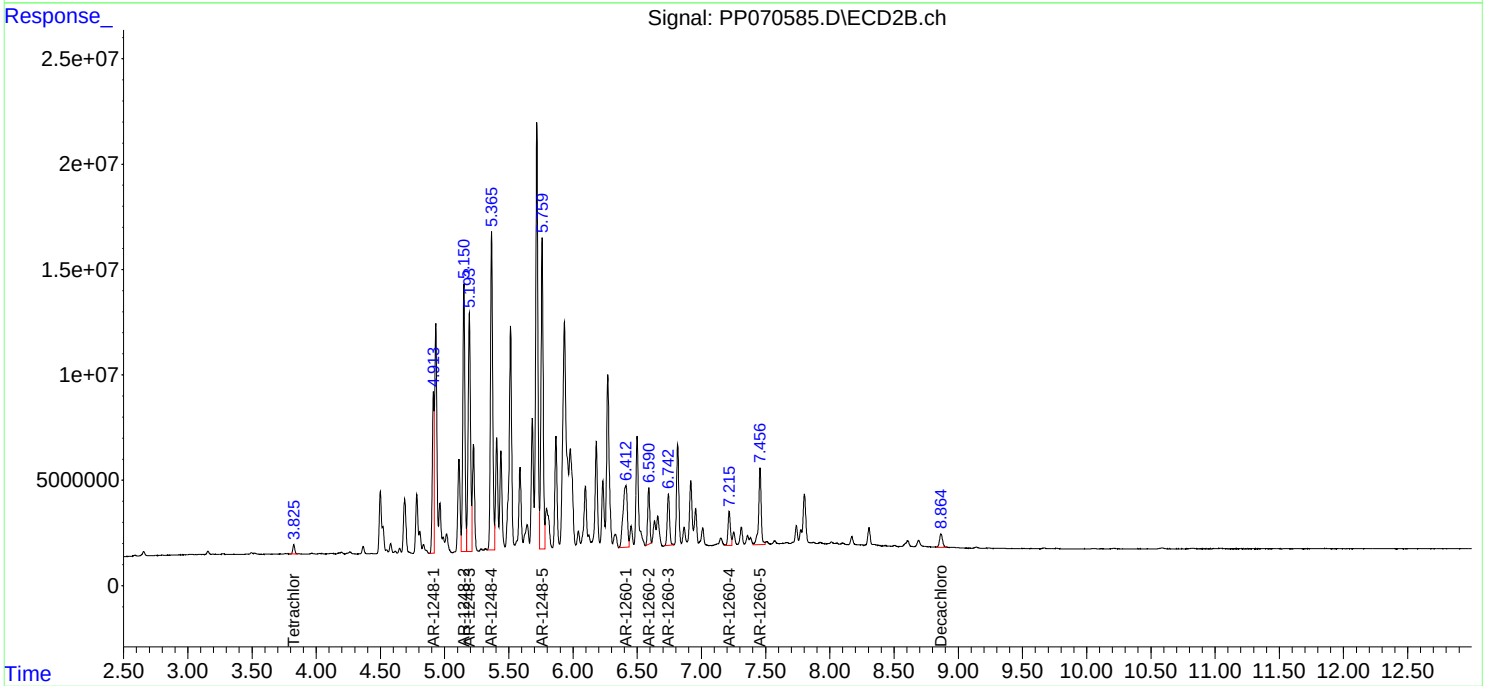
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:07
Operator : YP\AJ
Sample : Q1572-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

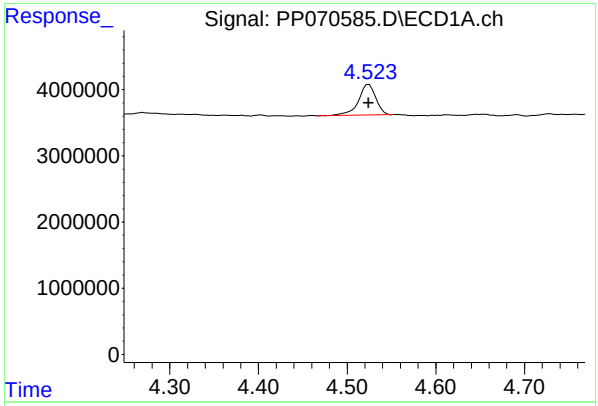
Instrument :
ECD_P
ClientSampleId :
C0O16DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



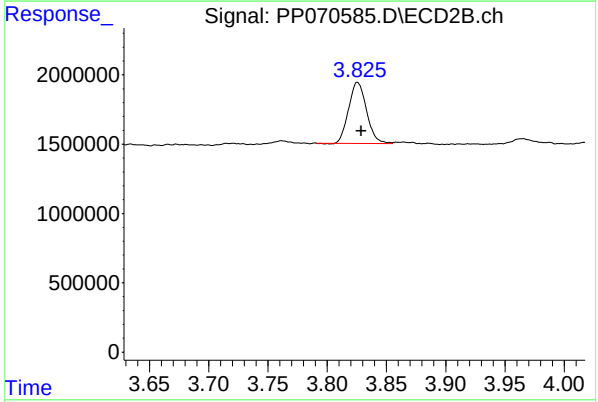




#1 Tetrachloro-m-xylene

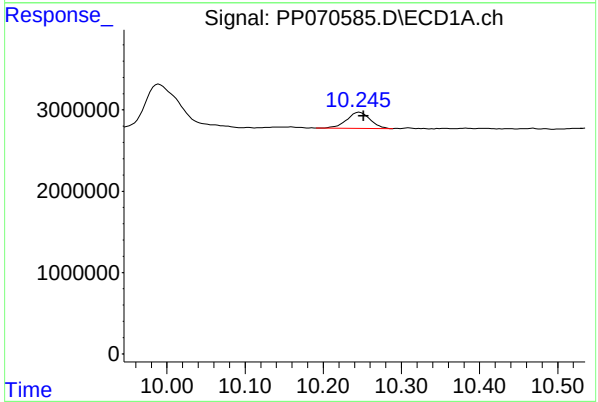
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 6239224
Conc: 4.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL



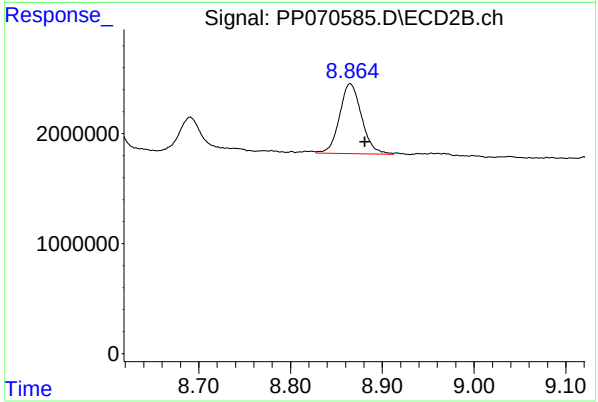
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 4653055
Conc: 4.64 ng/ml



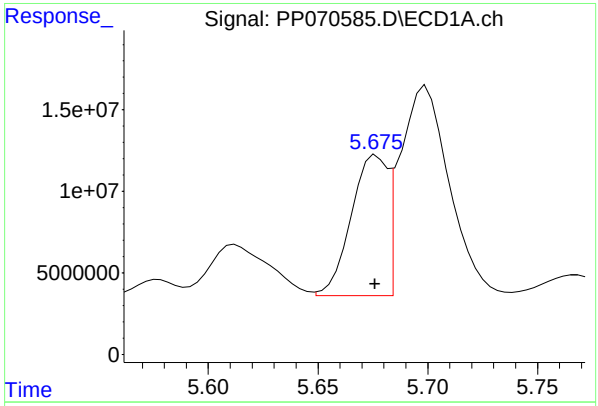
#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: -0.005 min
Response: 4122825
Conc: 3.88 ng/ml



#2 Decachlorobiphenyl

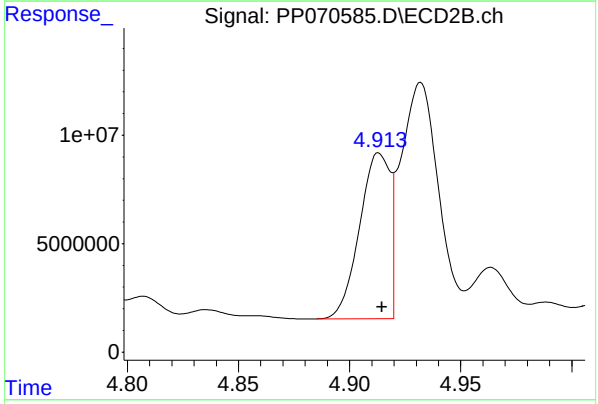
R.T.: 8.865 min
Delta R.T.: -0.016 min
Response: 10567709
Conc: 10.80 ng/ml



#21 AR-1248-1

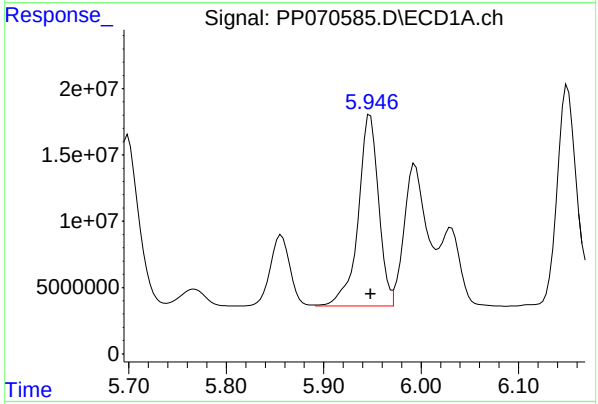
R.T.: 5.677 min
Delta R.T.: 0.000 mi
Response: 97855568
Conc: 2864.96 ng/

Instrument :
ECD_P
ClientSampleId :
C0O16DL



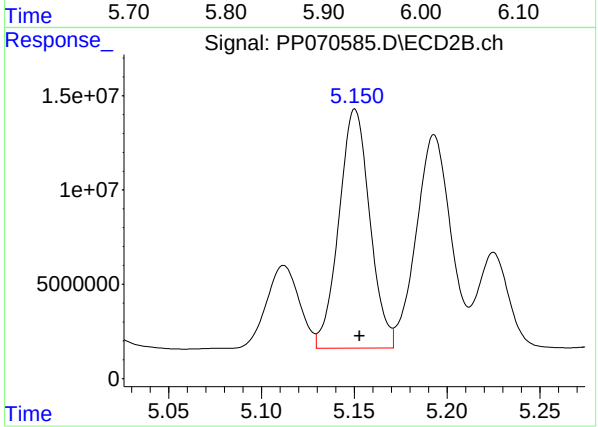
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 72828430
Conc: 3102.31 ng/ml



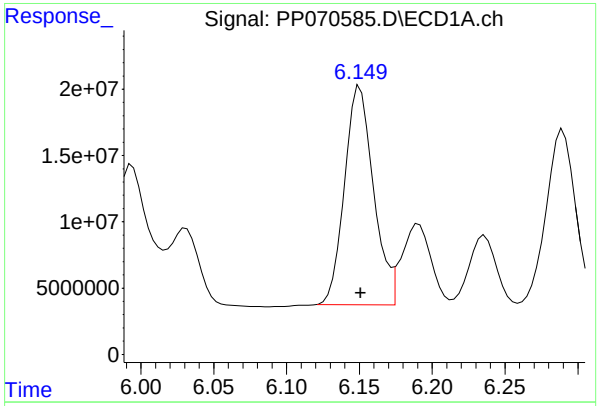
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 210186233
Conc: 4951.70 ng/ml



#22 AR-1248-2

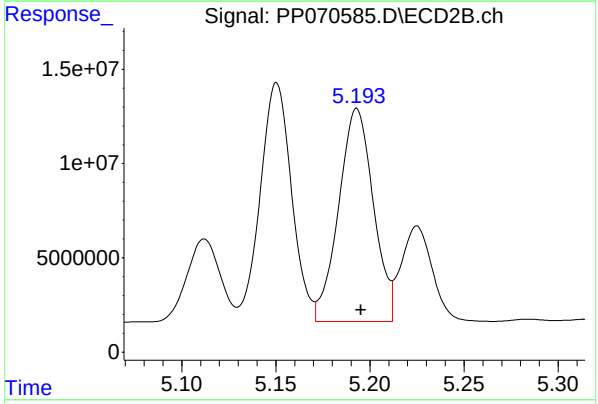
R.T.: 5.150 min
Delta R.T.: -0.002 min
Response: 146960482
Conc: 4694.71 ng/ml



#23 AR-1248-3

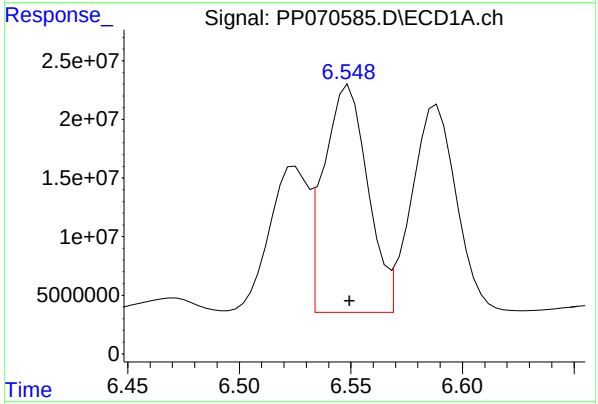
R.T.: 6.150 min
Delta R.T.: 0.000 min
Response: 228712552
Conc: 4956.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL



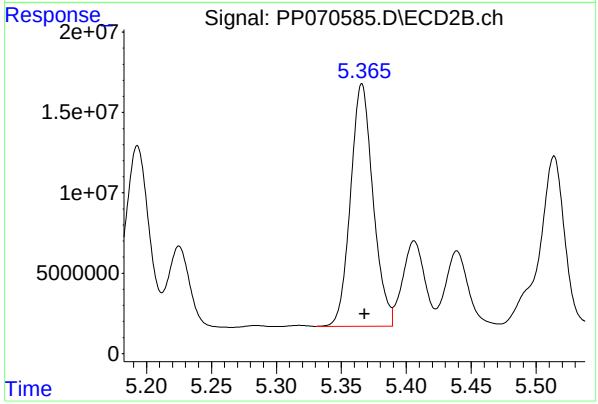
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 145346279
Conc: 4581.94 ng/ml



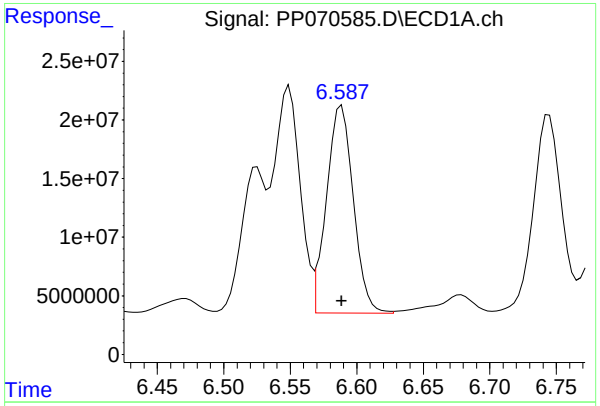
#24 AR-1248-4

R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 265542408
Conc: 4579.01 ng/ml



#24 AR-1248-4

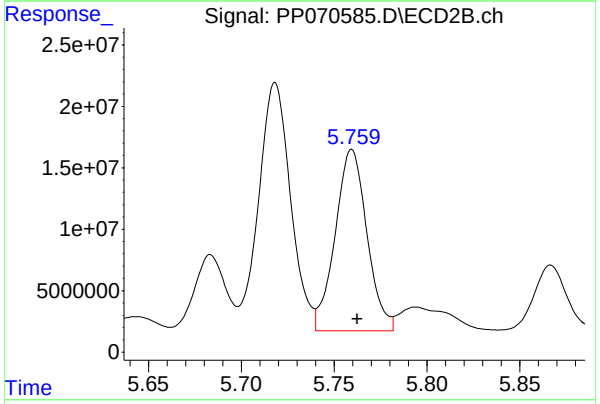
R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 182501368
Conc: 4682.74 ng/ml



#25 AR-1248-5

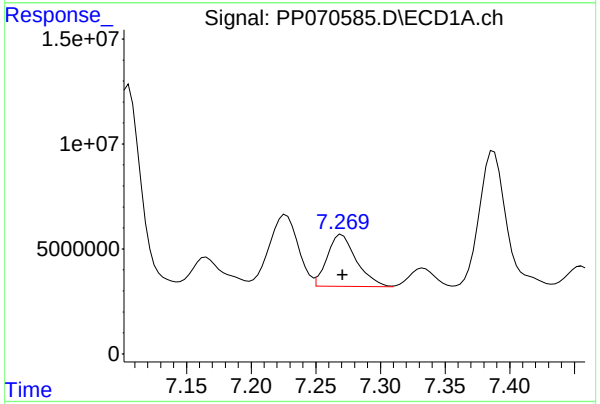
R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 248743323
Conc: 4633.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL



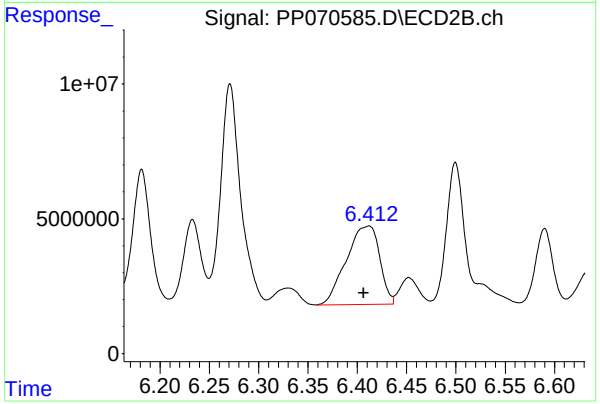
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.003 min
Response: 175692600
Conc: 4612.97 ng/ml



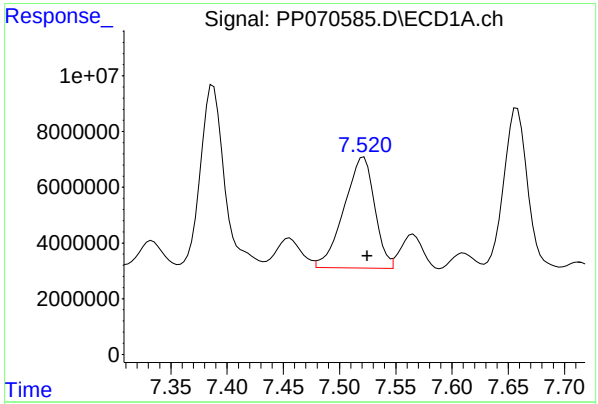
#31 AR-1260-1

R.T.: 7.270 min
Delta R.T.: 0.000 min
Response: 38819792
Conc: 660.90 ng/ml



#31 AR-1260-1

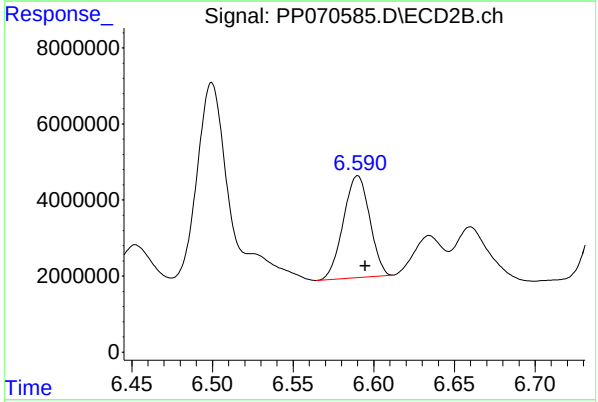
R.T.: 6.412 min
Delta R.T.: 0.005 min
Response: 68220920
Conc: 1370.33 ng/ml



#32 AR-1260-2

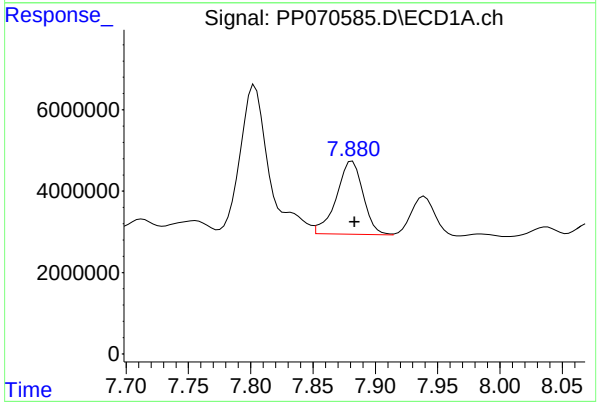
R.T.: 7.521 min
Delta R.T.: -0.003 mi
Response: 75371649
Conc: 918.68 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O16DL



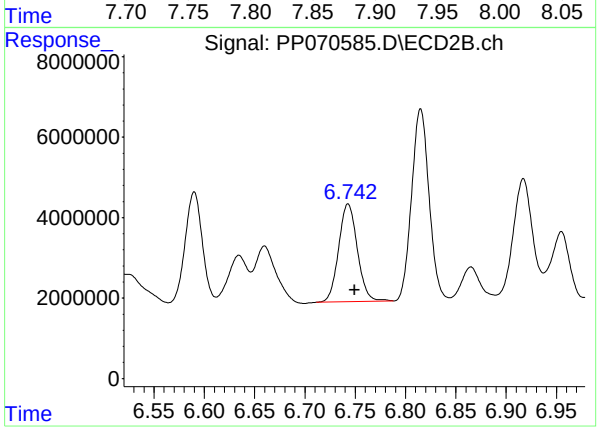
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 30472432
Conc: 461.09 ng/ml



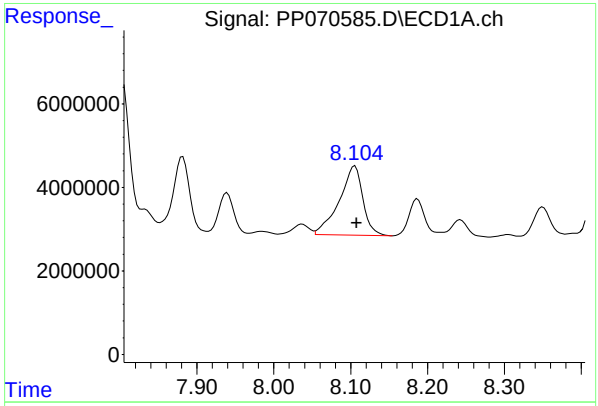
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.002 min
Response: 26841392
Conc: 408.19 ng/ml



#33 AR-1260-3

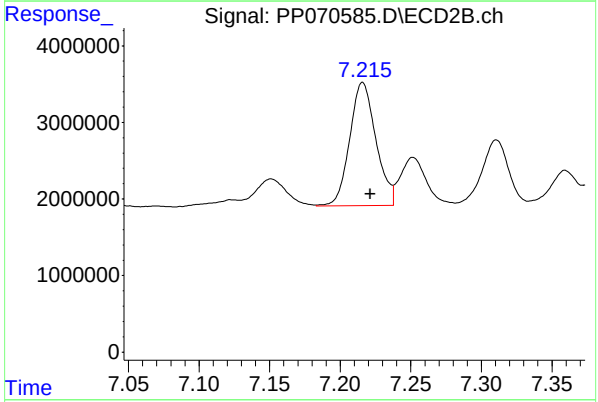
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 31458658
Conc: 550.00 ng/ml



#34 AR-1260-4

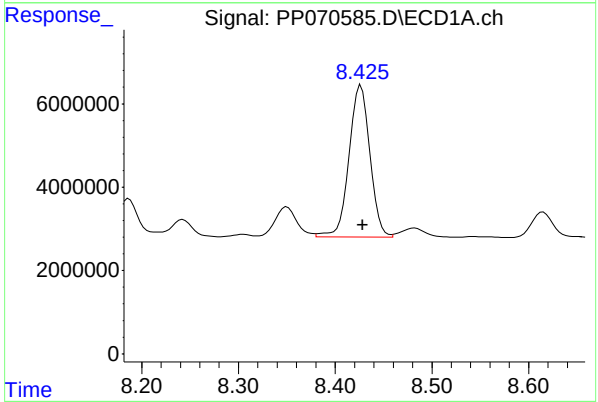
R.T.: 8.105 min
Delta R.T.: -0.002 min
Response: 35258939
Conc: 539.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL



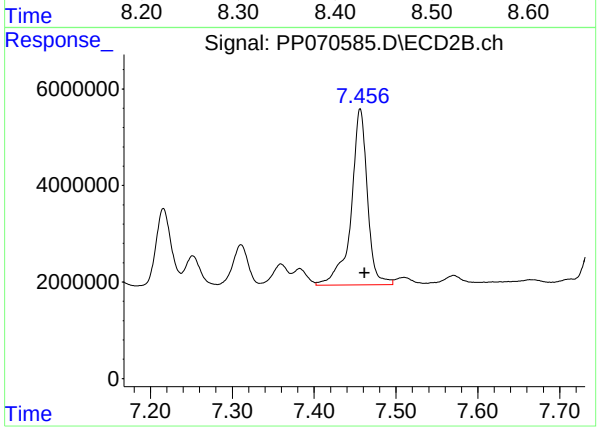
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 20827608
Conc: 407.08 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.002 min
Response: 54668690
Conc: 399.98 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.005 min
Response: 50394031
Conc: 391.30 ng/ml

Raw Data: **PP070586.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O16DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-04DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	68.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070586.D	25	03/14/25 12:25	03/17/25 12:23	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	621	UD	144	621	ug/kg
11104-28-2	Aroclor-1221	621	UD	147	621	ug/kg
11141-16-5	Aroclor-1232	621	UD	136	621	ug/kg
53469-21-9	Aroclor-1242	621	UD	146	621	ug/kg
12672-29-6	Aroclor-1248	8400	D	216	621	ug/kg
11097-69-1	Aroclor-1254	621	UD	117	621	ug/kg
37324-23-5	Aroclor-1262	621	UD	183	621	ug/kg
11100-14-4	Aroclor-1268	621	UD	131	621	ug/kg
11096-82-5	Aroclor-1260	1300	DP	118	621	ug/kg
Total PCBs	Total PCBs	9600	D	334	621	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	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: **PP070586.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:23
Operator : YP\AJ
Sample : Q1572-04DL2 25X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O16DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
	Target Compounds							
21)	L5 AR-1248-1	5.674	4.913	15100800	12245027	442.113	521.608m	
22)	L5 AR-1248-2	5.945	5.151	33095139	23561193	779.677	752.671	
23)	L5 AR-1248-3	6.148	5.193	34028798	23072963	737.374	727.359	
24)	L5 AR-1248-4	6.547	5.366	40605557	28212988	700.201	723.908	
25)	L5 AR-1248-5	6.586	5.760	38593244	27327268	718.852	717.502	
31)	L7 AR-1260-1	7.267	6.409	5585321	10967939	95.088	220.309	#
32)	L7 AR-1260-2	7.519	6.591	10568028	4963272	128.811	75.102	#
33)	L7 AR-1260-3	7.879	6.744	3544843	4959888	53.908	86.715	#
34)	L7 AR-1260-4	8.102	7.216	4767427	3491866	72.960	68.249	
35)	L7 AR-1260-5	8.424	7.457	7510751	8382674	54.952	65.090	

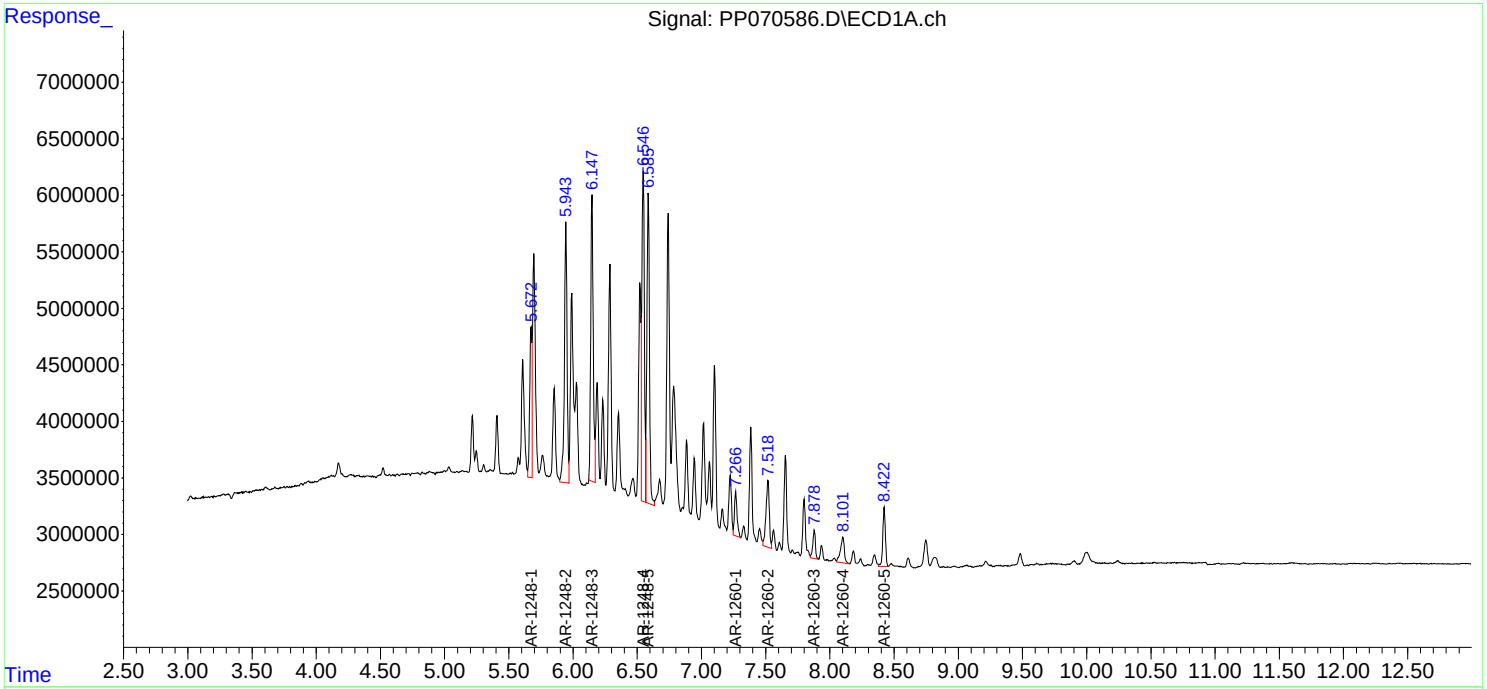
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

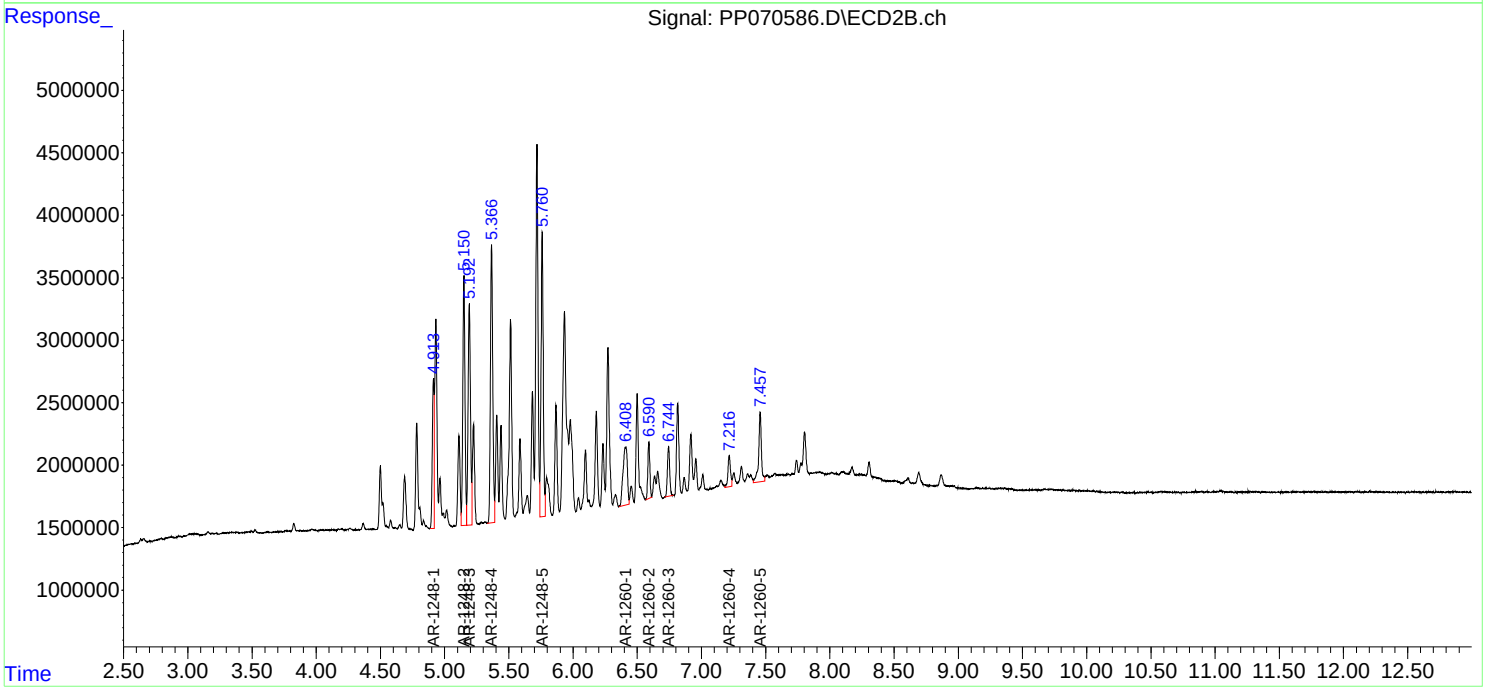
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:23
Operator : YP\AJ
Sample : Q1572-04DL2 25X
Misc :
ALS Vial : 14 Sample Multiplier: 1

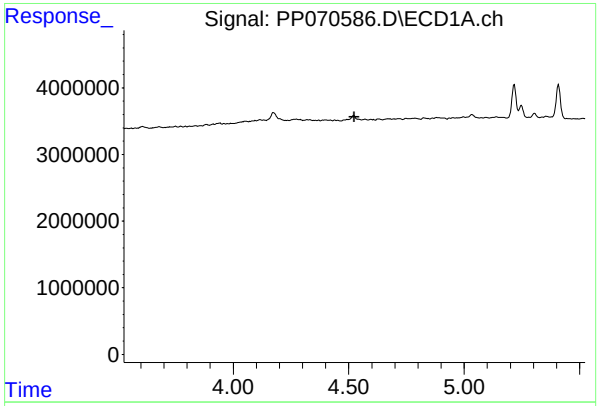
Instrument :
ECD_P
ClientSampleId :
C0O16DL2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



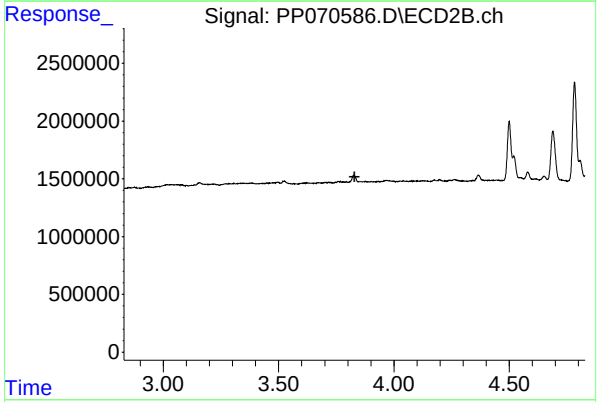




#1 Tetrachloro-m-xylene

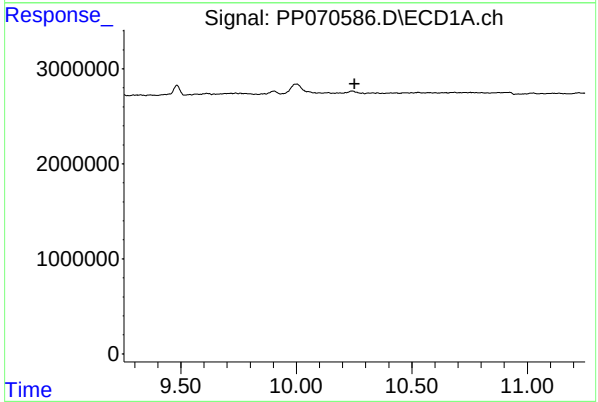
R.T.: 0.000 min
Exp R.T. : 4.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
C0O16DL2



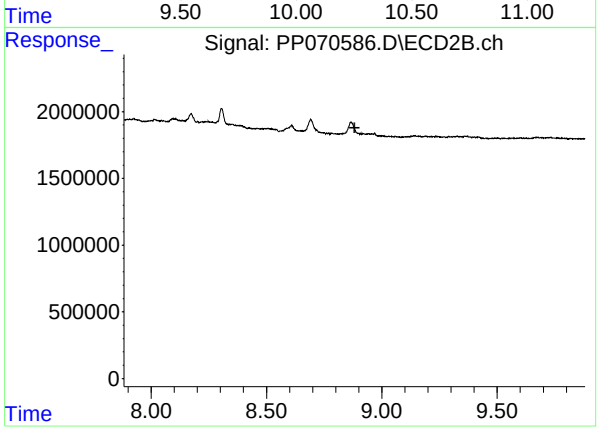
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.829 min
Response: 0
Conc: N.D.



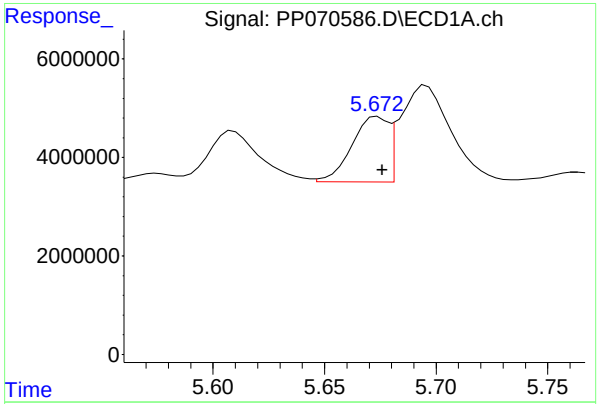
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.252 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

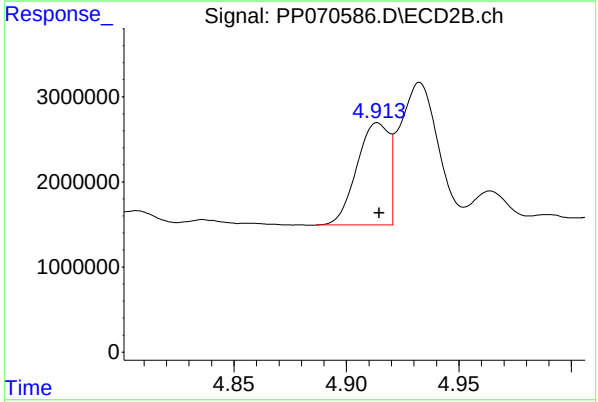
R.T.: 0.000 min
Exp R.T. : 8.881 min
Response: 0
Conc: N.D.



#21 AR-1248-1

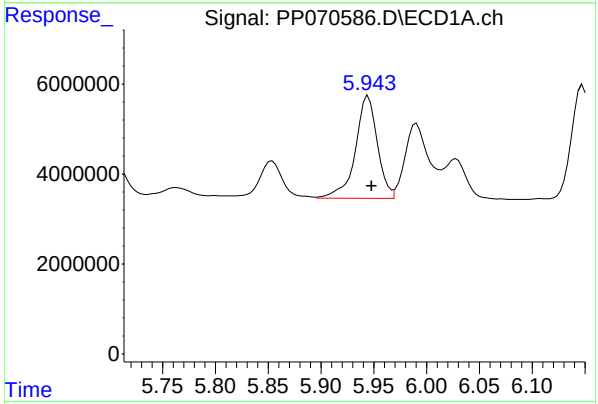
R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 15100800
Conc: 442.11 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O16DL2



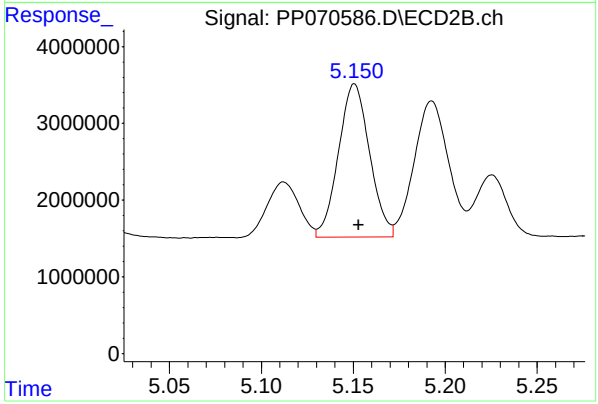
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 12245027
Conc: 521.61 ng/ml m



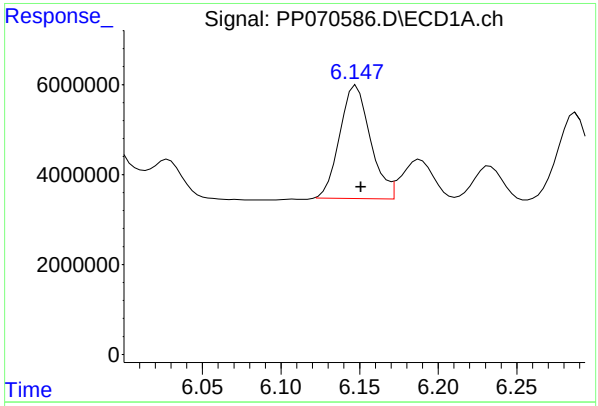
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 33095139
Conc: 779.68 ng/ml



#22 AR-1248-2

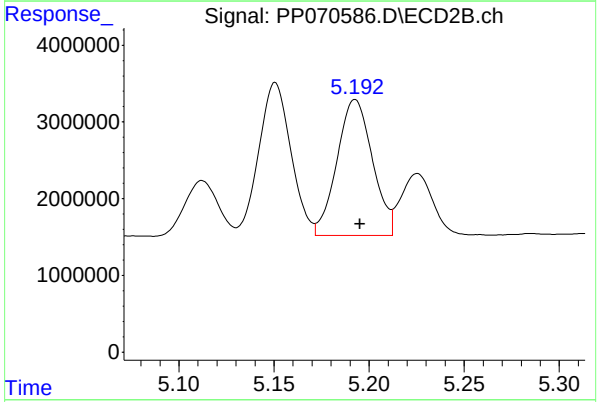
R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 23561193
Conc: 752.67 ng/ml



#23 AR-1248-3

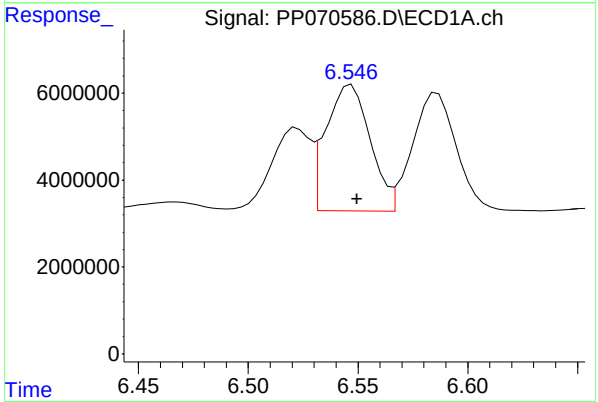
R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 34028798
Conc: 737.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL2



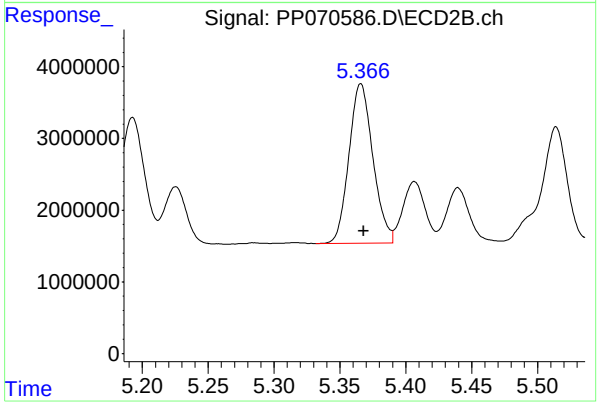
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.003 min
Response: 23072963
Conc: 727.36 ng/ml



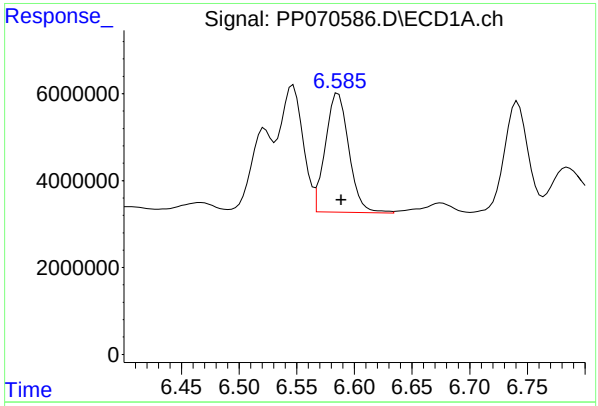
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.002 min
Response: 40605557
Conc: 700.20 ng/ml



#24 AR-1248-4

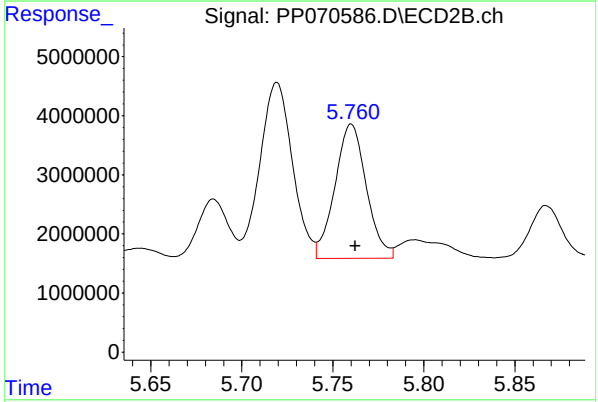
R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 28212988
Conc: 723.91 ng/ml



#25 AR-1248-5

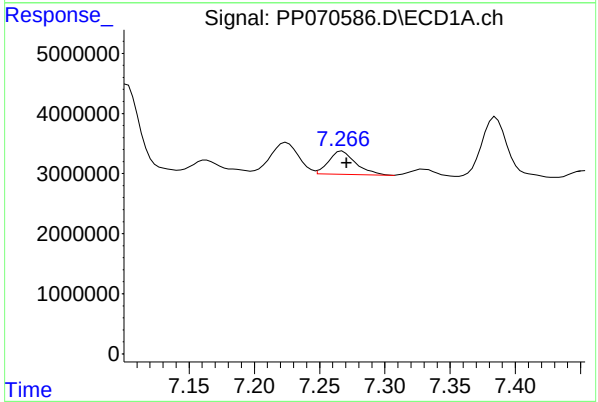
R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 38593244
Conc: 718.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL2



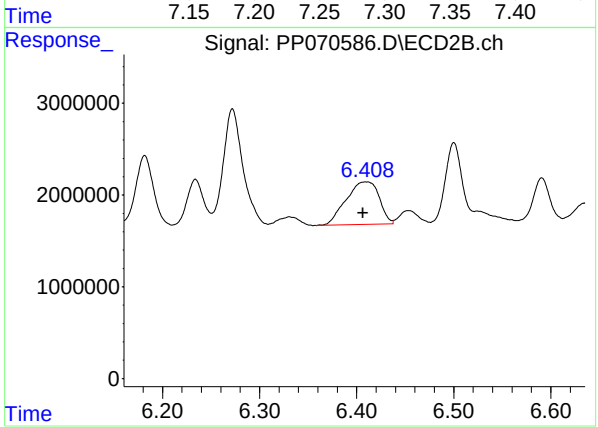
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.002 min
Response: 27327268
Conc: 717.50 ng/ml



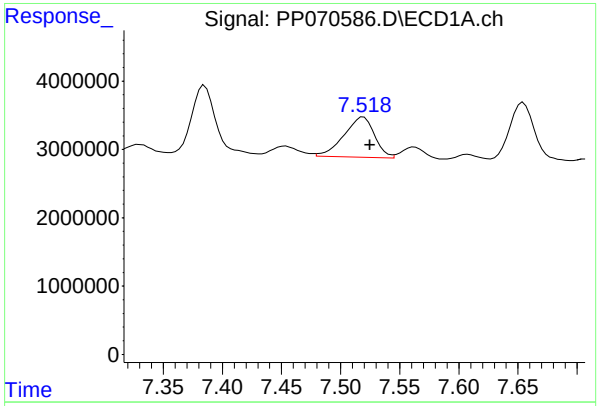
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.003 min
Response: 5585321
Conc: 95.09 ng/ml



#31 AR-1260-1

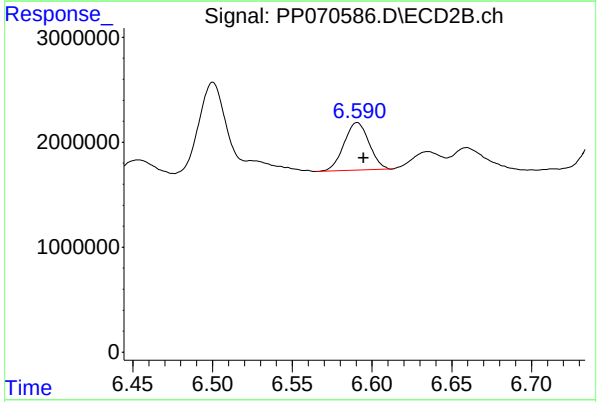
R.T.: 6.409 min
Delta R.T.: 0.003 min
Response: 10967939
Conc: 220.31 ng/ml



#32 AR-1260-2

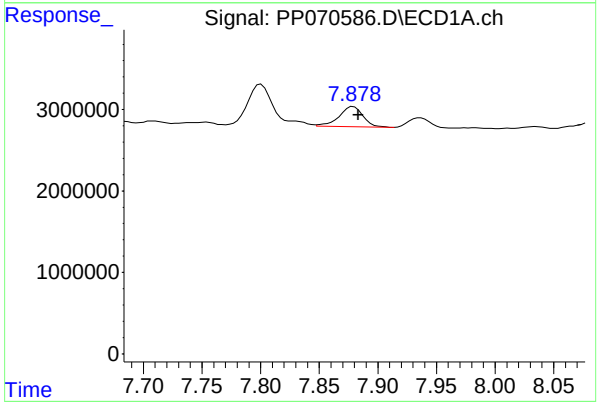
R.T.: 7.519 min
Delta R.T.: -0.005 min
Response: 10568028
Conc: 128.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL2



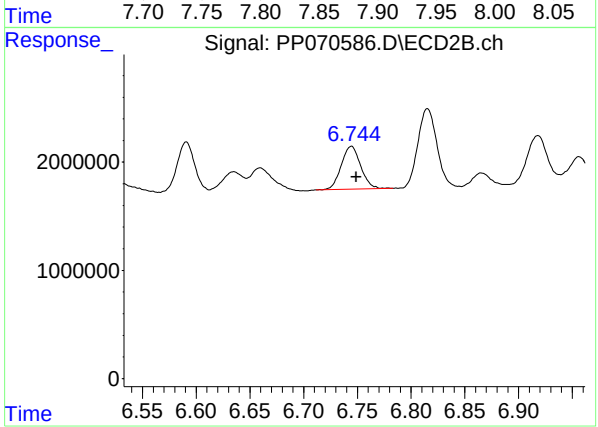
#32 AR-1260-2

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 4963272
Conc: 75.10 ng/ml



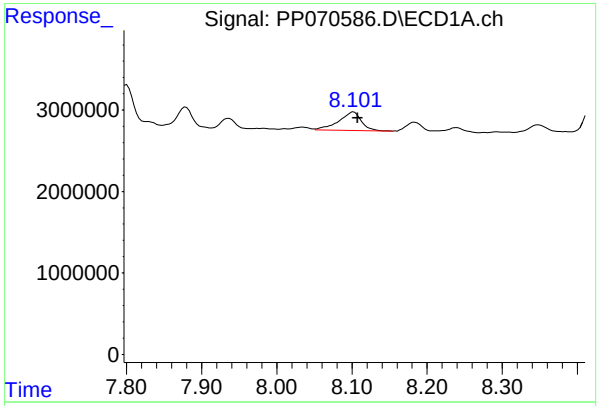
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 3544843
Conc: 53.91 ng/ml



#33 AR-1260-3

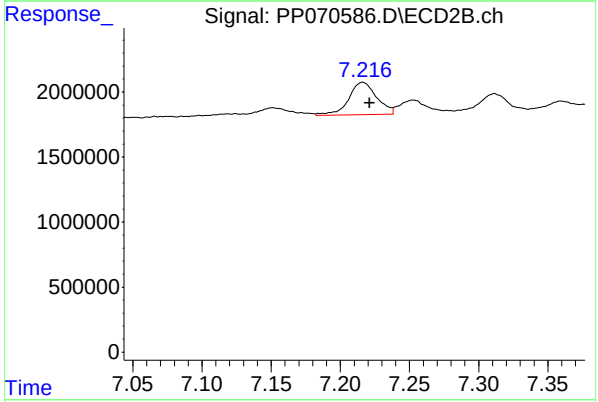
R.T.: 6.744 min
Delta R.T.: -0.005 min
Response: 4959888
Conc: 86.72 ng/ml



#34 AR-1260-4

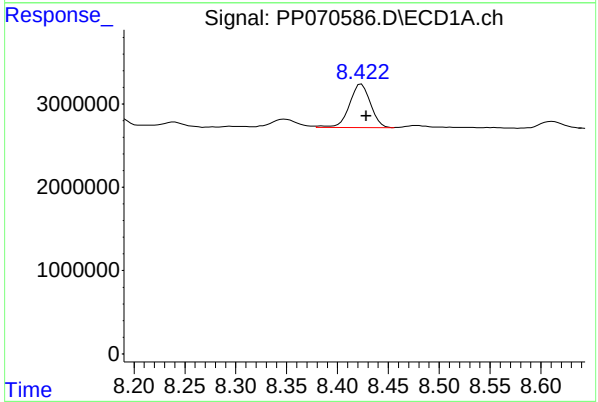
R.T.: 8.102 min
Delta R.T.: -0.005 min
Response: 4767427
Conc: 72.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O16DL2



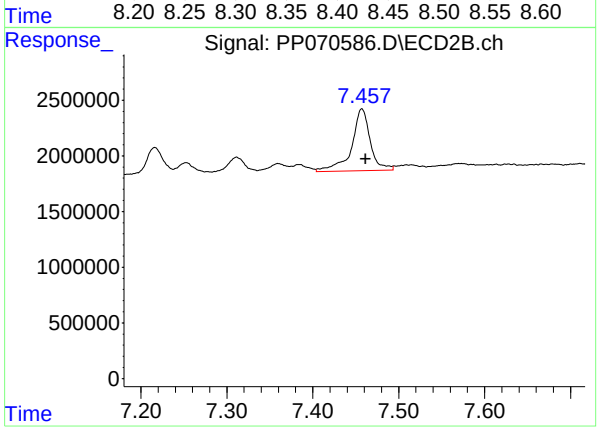
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 3491866
Conc: 68.25 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 min
Response: 7510751
Conc: 54.95 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.004 min
Response: 8382674
Conc: 65.09 ng/ml

Raw Data: **PP070556.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O17	SDG No.:	Q1572
Lab Sample ID:	Q1572-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070556.D	1	03/14/25 12:25	03/15/25 00:46	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	22.8	U	5.30	22.8	ug/kg
11104-28-2	Aroclor-1221	22.8	U	5.40	22.8	ug/kg
11141-16-5	Aroclor-1232	22.8	U	5.00	22.8	ug/kg
53469-21-9	Aroclor-1242	22.8	U	5.40	22.8	ug/kg
12672-29-6	Aroclor-1248	16000	E	7.90	22.8	ug/kg
11097-69-1	Aroclor-1254	22.8	U	4.30	22.8	ug/kg
37324-23-5	Aroclor-1262	22.8	U	6.70	22.8	ug/kg
11100-14-4	Aroclor-1268	22.8	U	4.80	22.8	ug/kg
11096-82-5	Aroclor-1260	1200	E	4.30	22.8	ug/kg
Total PCBs	Total PCBs	17000	E	12.2	22.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.4		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	59.0	*	32 - 175	295%	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: **PP070556.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 00:46
Operator : YP\AJ
Sample : Q1572-05
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O17

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 17 10:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.522	3.826	26216564	17494659	16.855	17.455	
2)	SA Decachlor...	10.240	8.864	27645682	57699729	26.023m	58.976	#
	Target Compounds							
21)	L5 AR-1248-1	5.675	4.913	989.7E6	692.7E6	28974.624	29505.797	
22)	L5 AR-1248-2	5.946	5.151	1465.1E6	971.4E6	34516.578	31031.510	
23)	L5 AR-1248-3	6.149	5.192	1742.9E6	1073.8E6	37766.892	33850.393	
24)	L5 AR-1248-4	6.547	5.365	1999.3E6	1326.5E6	34475.280	34036.185	
25)	L5 AR-1248-5	6.586	5.759	2073.5E6	1377.5E6	38622.410	36167.946	
31)	L7 AR-1260-1	7.268	6.413	187.5E6	342.8E6	3192.741	6886.297	m#
32)	L7 AR-1260-2	7.520	6.589	304.0E6	121.2E6	3705.613	1834.458	#
33)	L7 AR-1260-3	7.878	6.742	110.0E6	137.4E6	1673.244	2402.888	#
34)	L7 AR-1260-4	8.092	7.215	152.9E6	69080685	2340.206	1350.194	#
35)	L7 AR-1260-5	8.422	7.455	184.2E6	177.1E6	1348.051	1374.939	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 00:46
Operator : YP\AJ
Sample : Q1572-05
Misc :
ALS Vial : 43 Sample Multiplier: 1

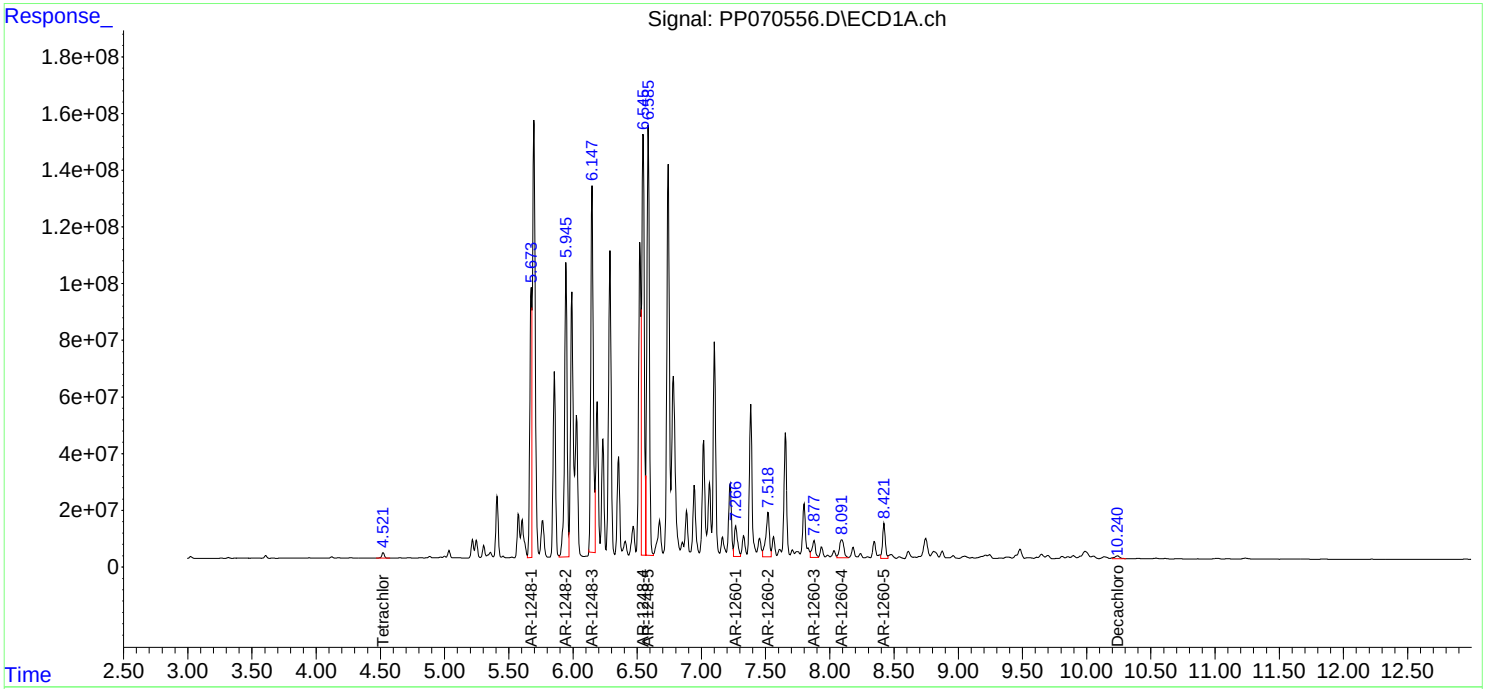
Instrument :
ECD_P
ClientSampleId :
C0O17

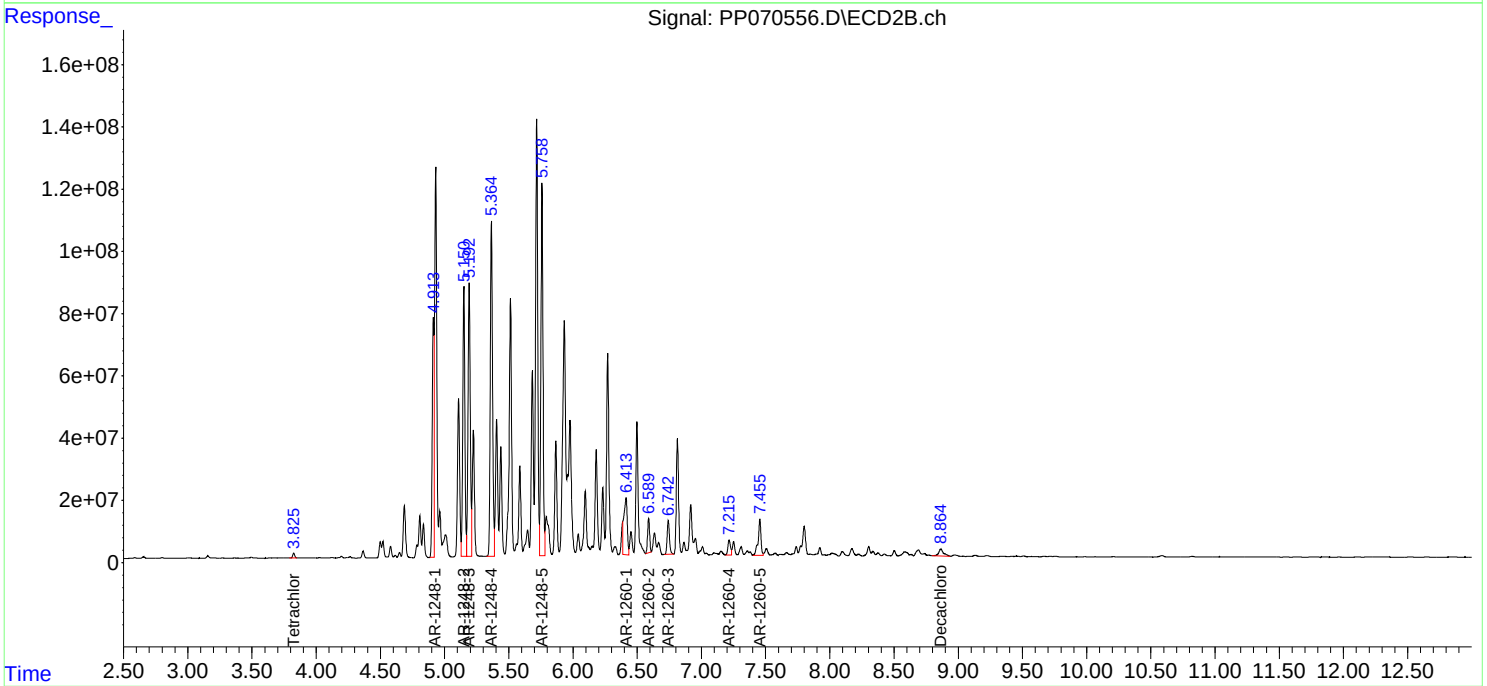
Manual Integrations APPROVED

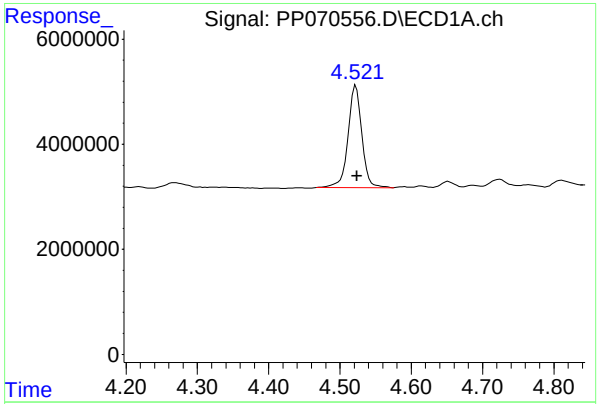
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 17 10:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







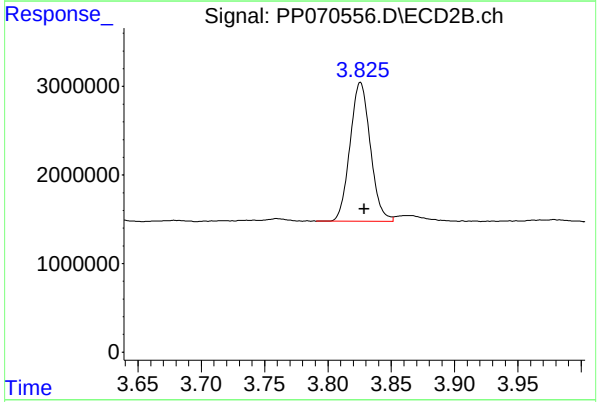
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 mi
Response: 26216564
Conc: 16.86 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O17

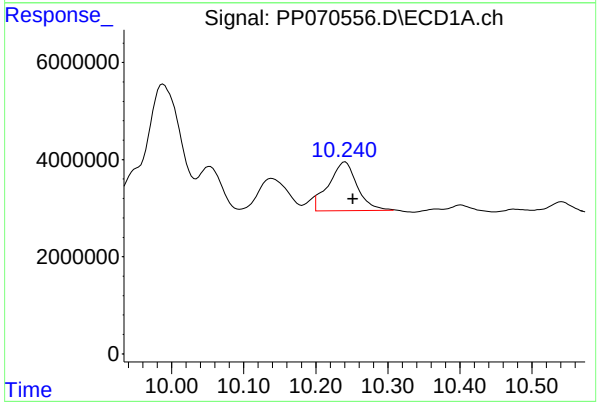
Manual Integrations
APPROVED

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



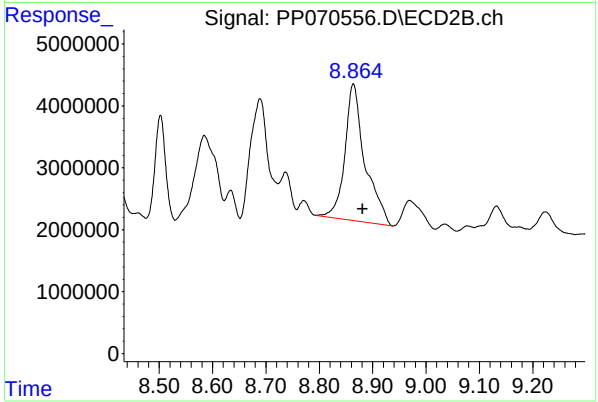
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 17494659
Conc: 17.45 ng/ml



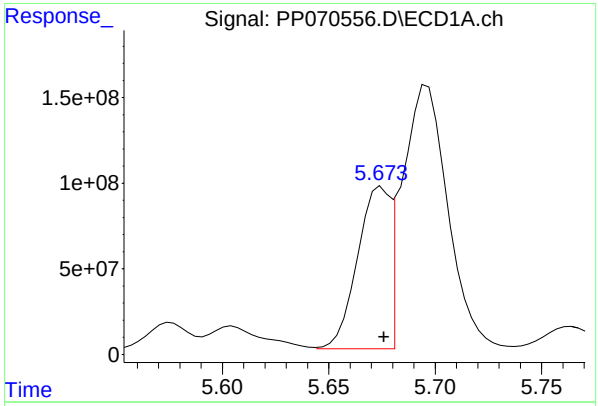
#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 27645682
Conc: 26.02 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.864 min
Delta R.T.: -0.017 min
Response: 57699729
Conc: 58.98 ng/ml



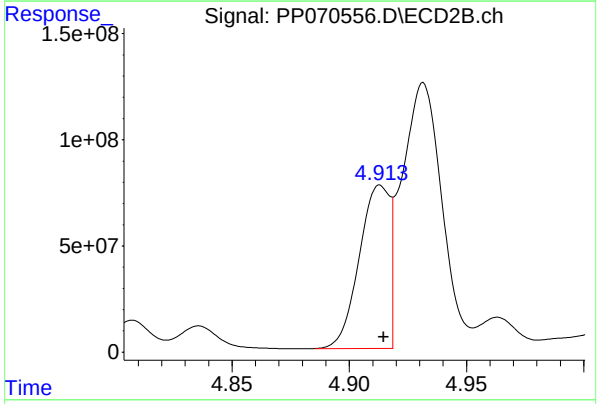
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 989656059
Conc: 28974.62 ng/

Instrument :
ECD_P
ClientSampleId :
C0O17

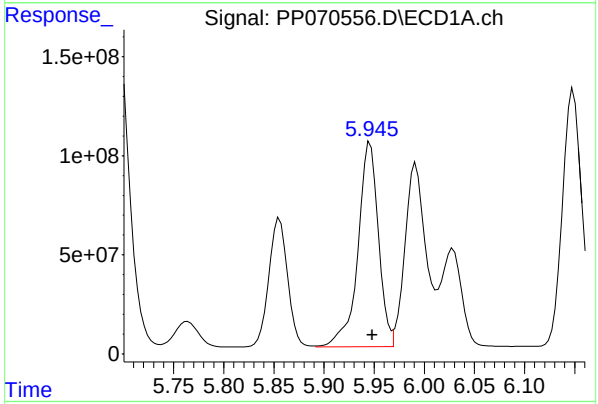
Manual Integrations
APPROVED

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



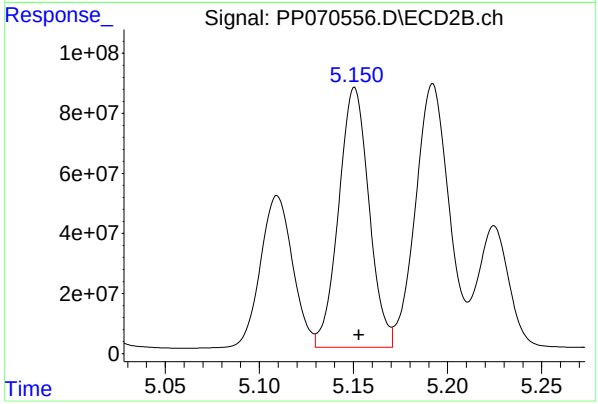
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 692664294
Conc: 29505.80 ng/ml



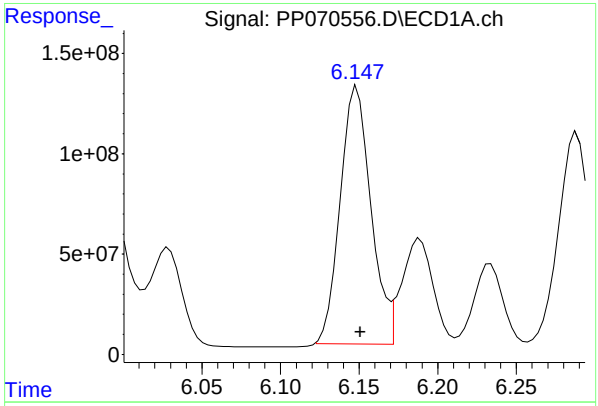
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 1465134391
Conc: 34516.58 ng/ml



#22 AR-1248-2

R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 971393229
Conc: 31031.51 ng/ml



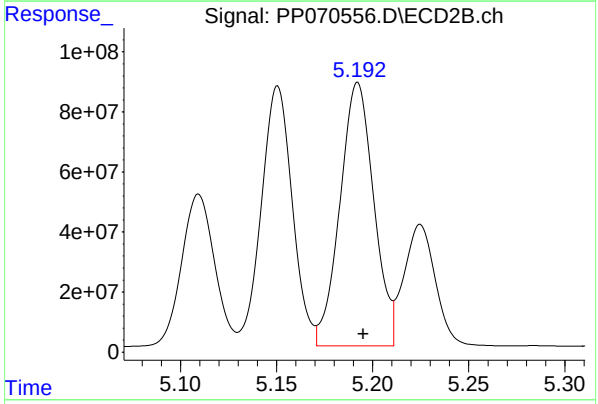
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 1742890805
Conc: 37766.89 ng/

Instrument :
ECD_P
ClientSampleId :
C0O17

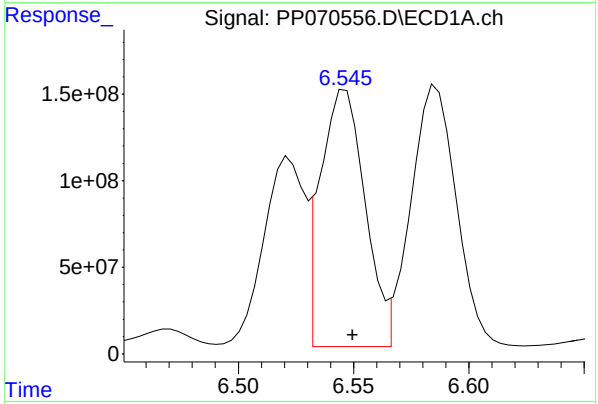
Manual Integrations
APPROVED

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



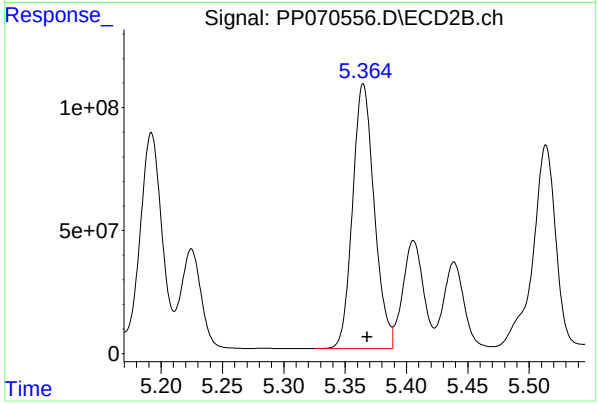
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 1073787719
Conc: 33850.39 ng/ml



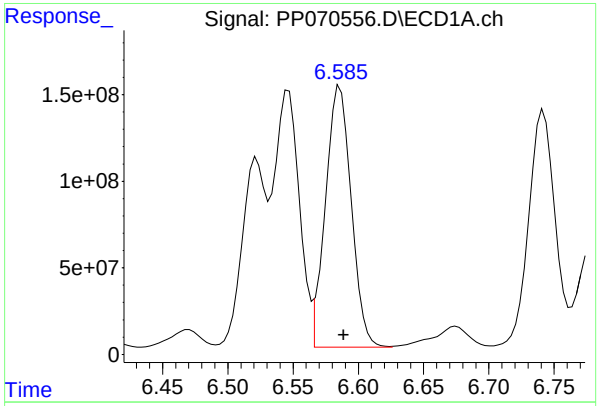
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.003 min
Response: 1999264900
Conc: 34475.28 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1326498050
Conc: 34036.18 ng/ml



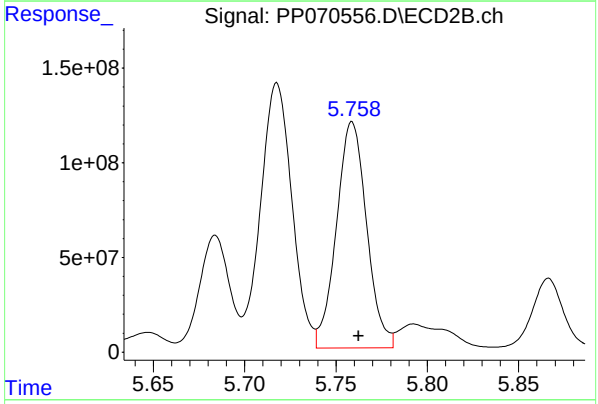
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 mi
Response: 2073535065
Conc: 38622.41 ng/

Instrument :
ECD_P
ClientSampleId :
C0O17

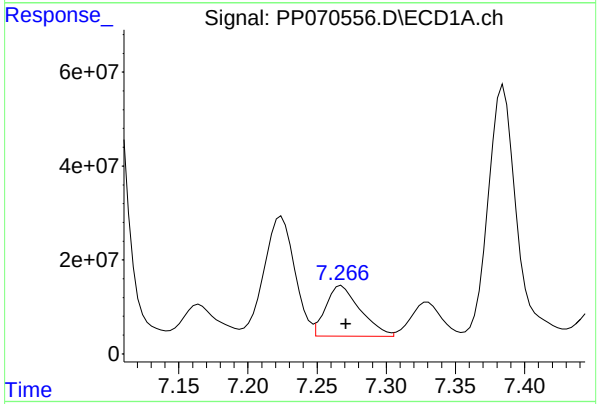
Manual Integrations
APPROVED

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



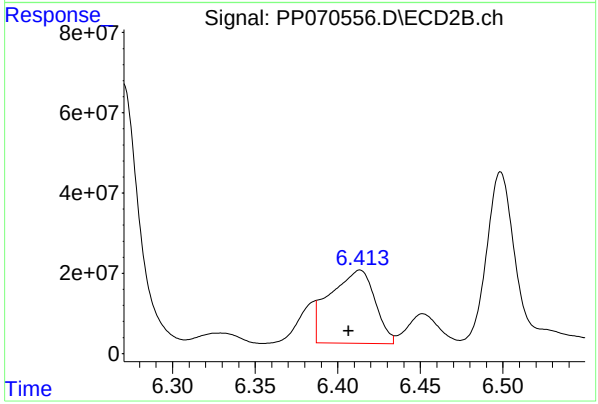
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 1377516942
Conc: 36167.95 ng/ml



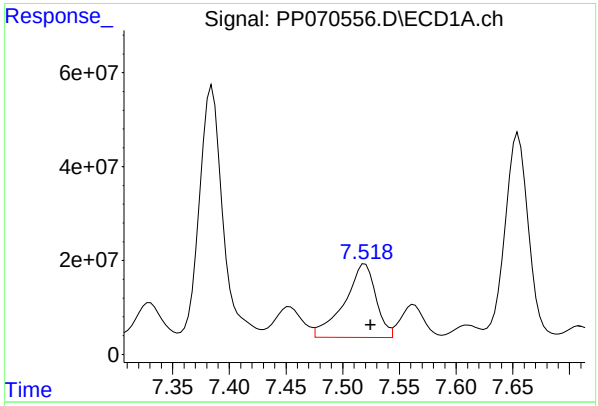
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 187535908
Conc: 3192.74 ng/ml



#31 AR-1260-1

R.T.: 6.413 min
Delta R.T.: 0.006 min
Response: 342830041
Conc: 6886.30 ng/ml m



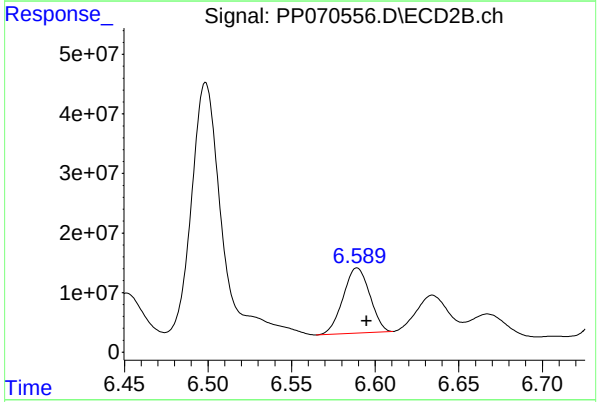
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.005 mi
Response: 304019624
Conc: 3705.61 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O17

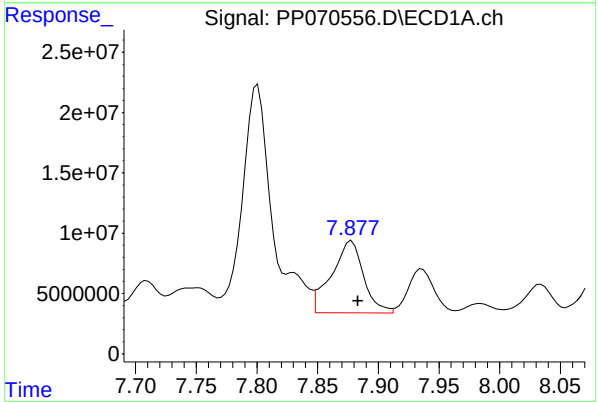
Manual Integrations
APPROVED

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



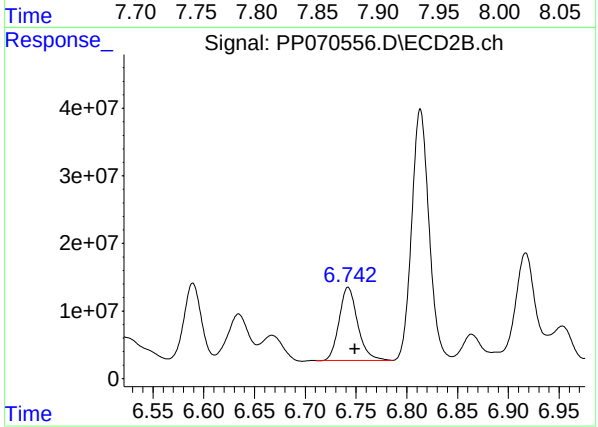
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 121234740
Conc: 1834.46 ng/ml



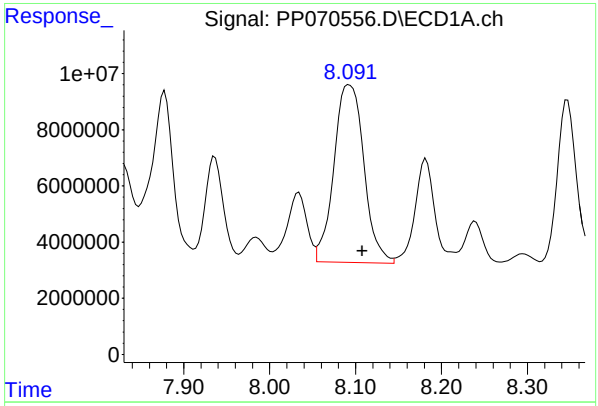
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 110028642
Conc: 1673.24 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 137438800
Conc: 2402.89 ng/ml



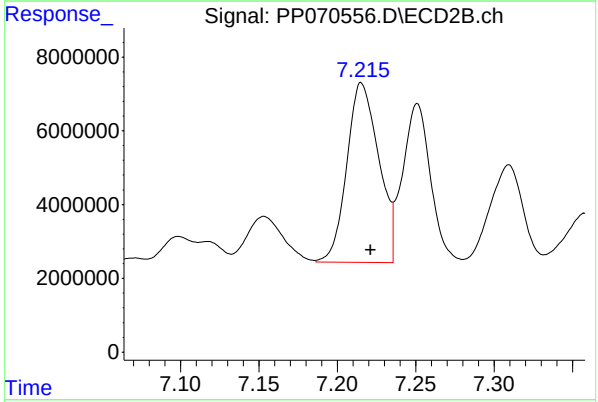
#34 AR-1260-4

R.T.: 8.092 min
Delta R.T.: -0.015 min
Response: 152915544
Conc: 2340.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17

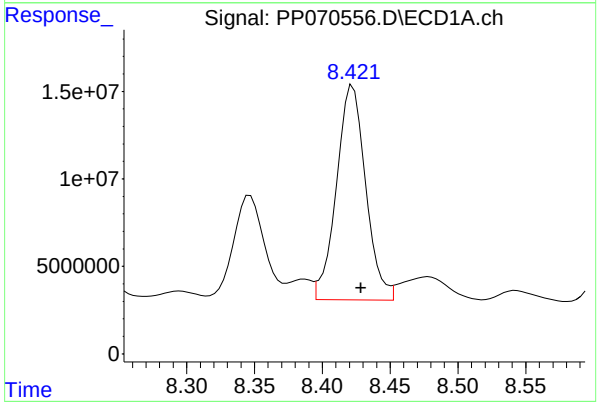
Manual Integrations
APPROVED

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



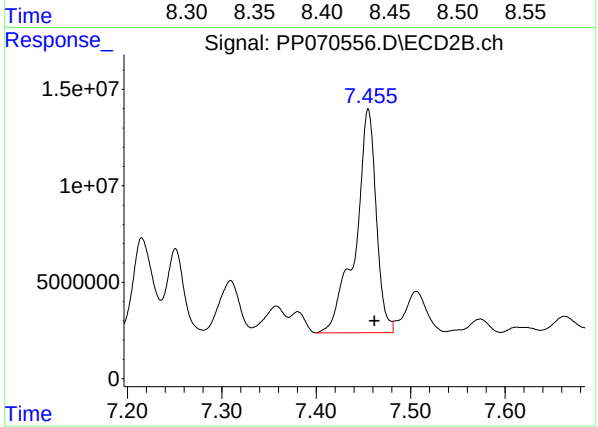
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 69080685
Conc: 1350.19 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 184248374
Conc: 1348.05 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 177071827
Conc: 1374.94 ng/ml

Raw Data: **PP070587.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O17DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-05DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070587.D	10	03/14/25 12:25	03/17/25 12:40	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	228	UD	52.9	228	ug/kg
11104-28-2	Aroclor-1221	228	UD	53.9	228	ug/kg
11141-16-5	Aroclor-1232	228	UD	49.8	228	ug/kg
53469-21-9	Aroclor-1242	228	UD	53.7	228	ug/kg
12672-29-6	Aroclor-1248	22000	ED	79.2	228	ug/kg
11097-69-1	Aroclor-1254	228	UD	43.0	228	ug/kg
37324-23-5	Aroclor-1262	228	UD	67.2	228	ug/kg
11100-14-4	Aroclor-1268	228	UD	48.2	228	ug/kg
11096-82-5	Aroclor-1260	1900	D	43.2	228	ug/kg
Total PCBs	Total PCBs	24000	D	122	228	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.3		32 - 144	137%	SPK: 20
2051-24-3	Decachlorobiphenyl	96.6	*	32 - 175	483%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:40
Operator : YP\AJ
Sample : Q1572-05DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O17DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:36:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.826	3748094	2739812	2.410	2.734
2)	SA Decachlor...	10.248	8.867	3245804	9449475	3.055	9.658 #
	Target Compounds						
21)	L5 AR-1248-1	5.678	4.914	136.3E6	97314535	3991.087	4145.360
22)	L5 AR-1248-2	5.949	5.150	207.6E6	142.9E6	4891.919	4563.886
23)	L5 AR-1248-3	6.152	5.193	247.9E6	156.1E6	5371.308	4919.516
24)	L5 AR-1248-4	6.551	5.366	274.3E6	193.2E6	4730.017	4958.484
25)	L5 AR-1248-5	6.590	5.760	287.6E6	198.4E6	5356.346	5208.712
31)	L7 AR-1260-1	7.272	6.414	28110794	52746773	478.578	1059.504m#
32)	L7 AR-1260-2	7.524	6.590	43709689	19481517	532.766	294.784 #
33)	L7 AR-1260-3	7.882	6.743	15038225	21927823	228.692	383.371 #
34)	L7 AR-1260-4	8.098	7.217	21604806	11059618	330.638	216.162 #
35)	L7 AR-1260-5	8.428	7.457	26316963	21748043	192.548	168.871m

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

Sample Results: **PP070587.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:40
Operator : YP\AJ
Sample : Q1572-05DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

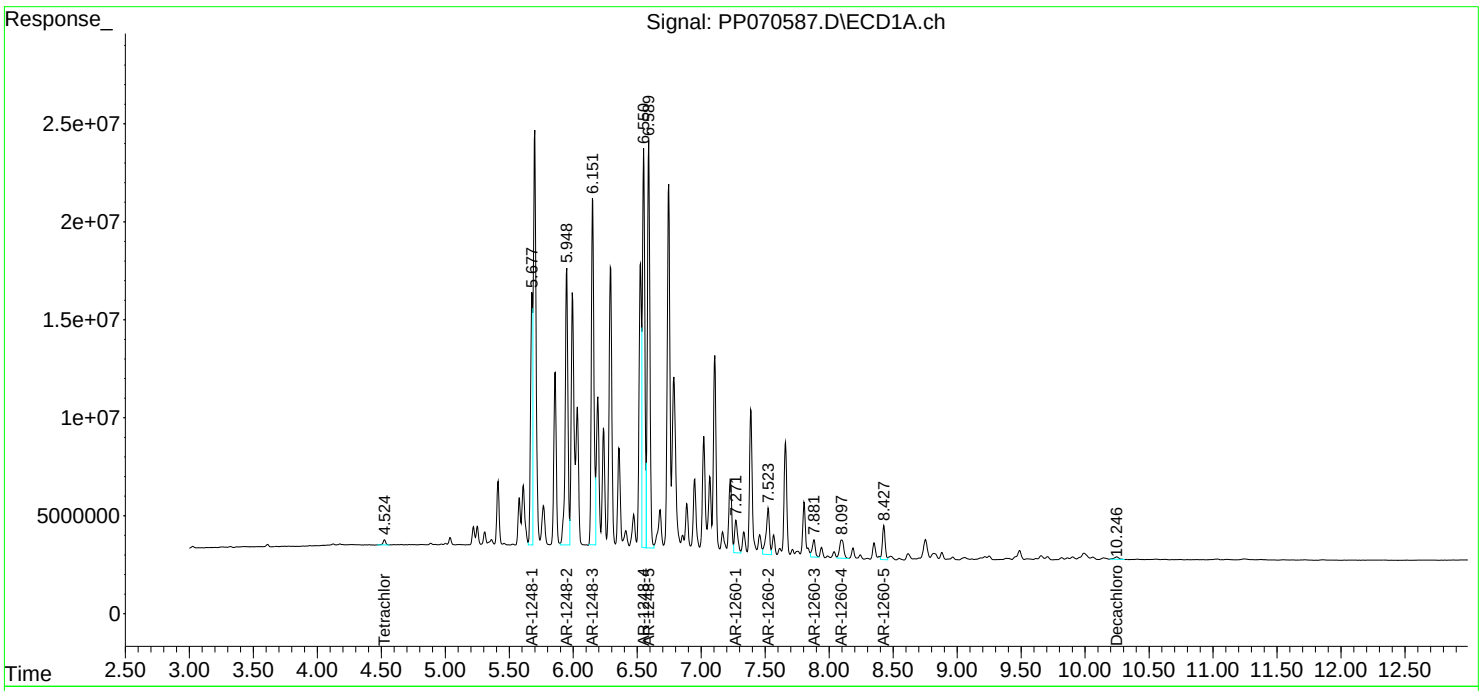
Instrument :
ECD_P
ClientSampleId :
C0O17DL

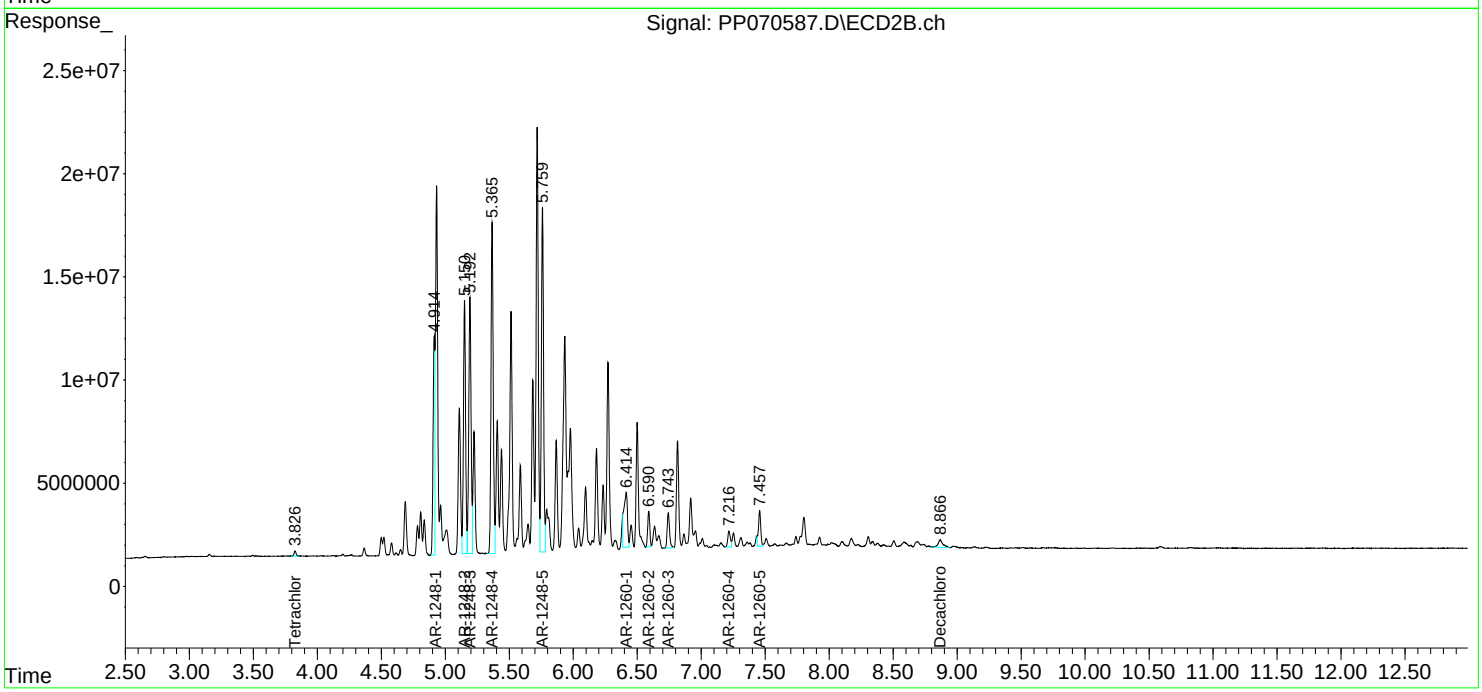
Manual Integrations APPROVED

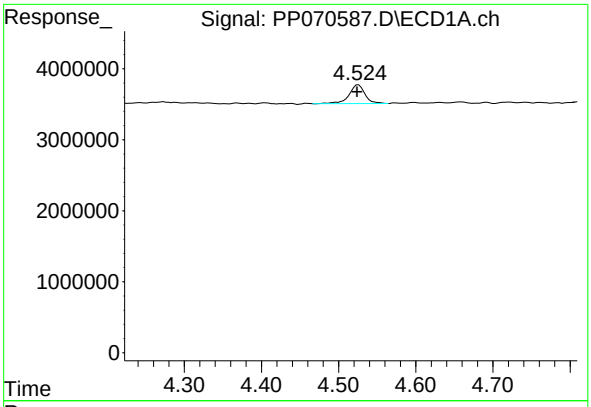
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:36:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







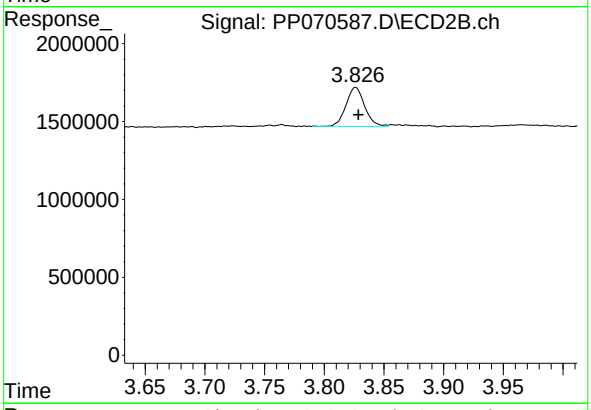
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.002 min
Response: 3748094
Conc: 2.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL

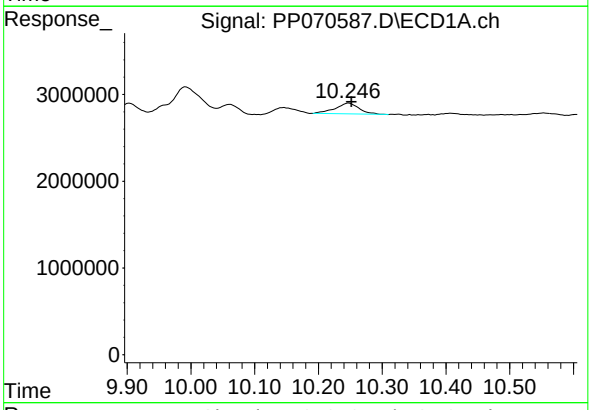
Manual Integrations APPROVED

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



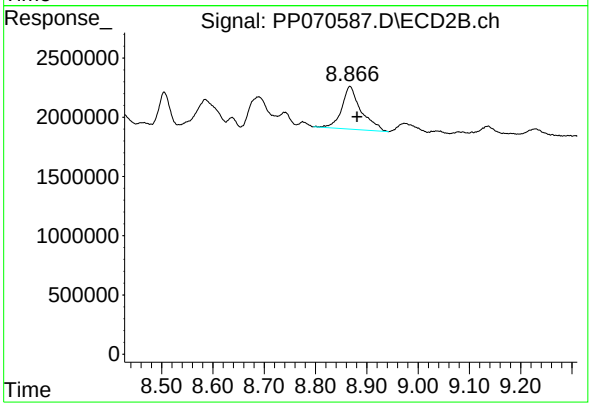
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 2739812
Conc: 2.73 ng/ml



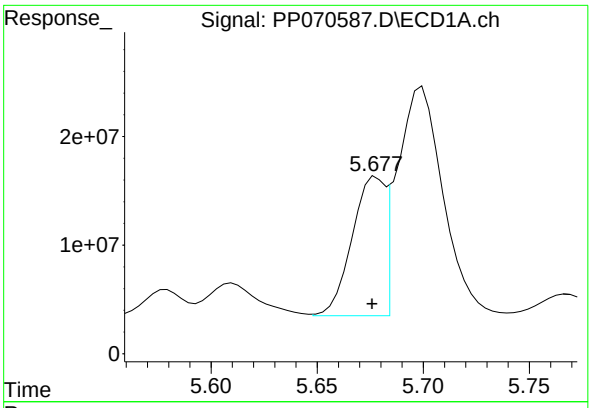
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: -0.004 min
Response: 3245804
Conc: 3.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.867 min
Delta R.T.: -0.014 min
Response: 9449475
Conc: 9.66 ng/ml



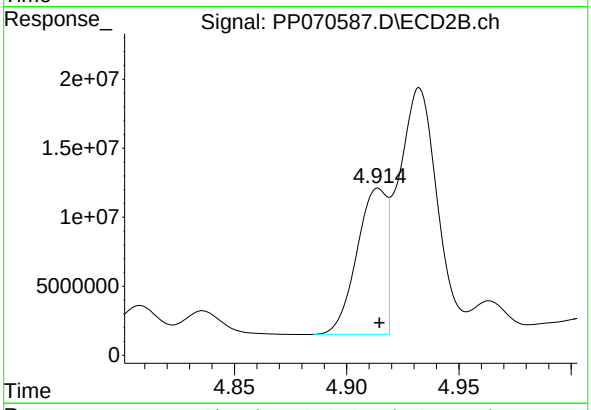
#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 min
Response: 136319416
Conc: 3991.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL

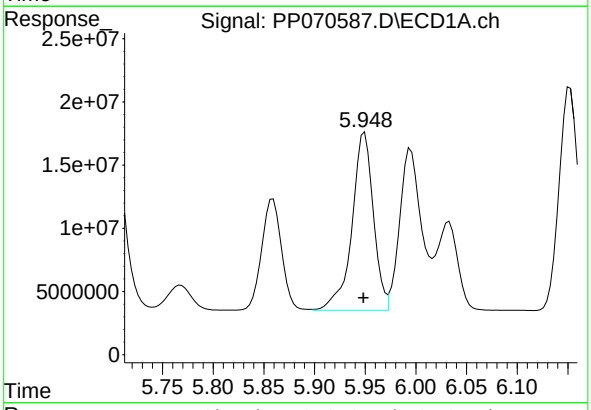
Manual Integrations
APPROVED

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



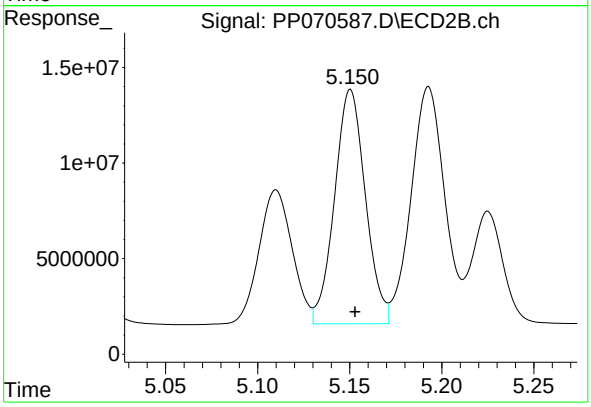
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 97314535
Conc: 4145.36 ng/ml



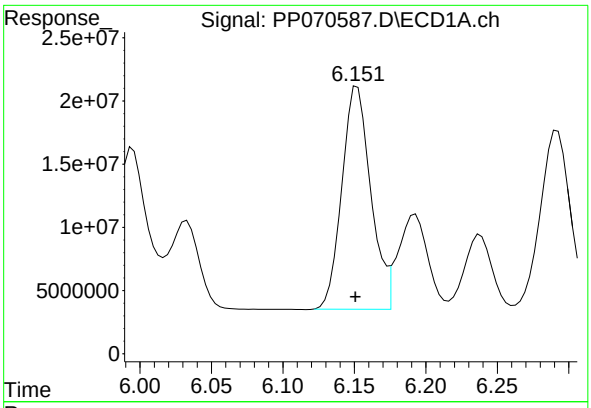
#22 AR-1248-2

R.T.: 5.949 min
Delta R.T.: 0.001 min
Response: 207648577
Conc: 4891.92 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 142865365
Conc: 4563.89 ng/ml



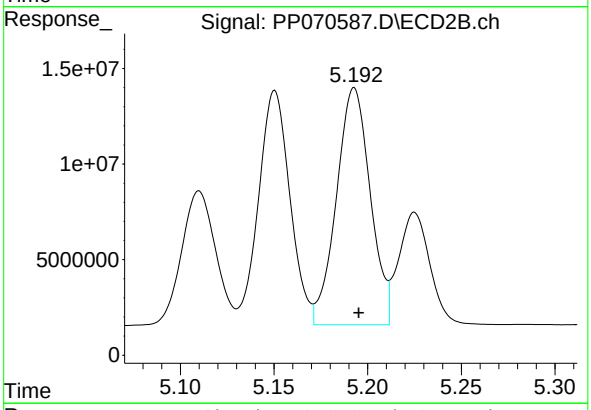
#23 AR-1248-3

R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 247878589
Conc: 5371.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL

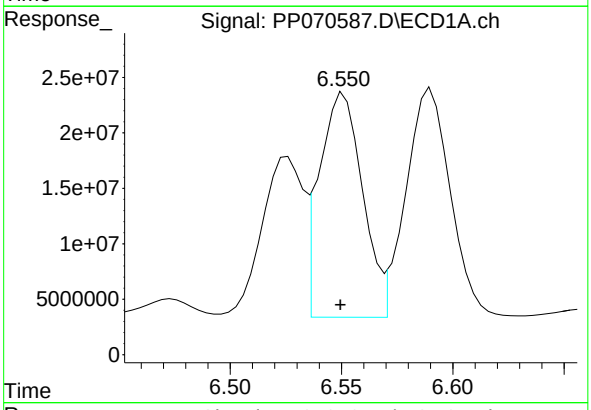
Manual Integrations
APPROVED

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



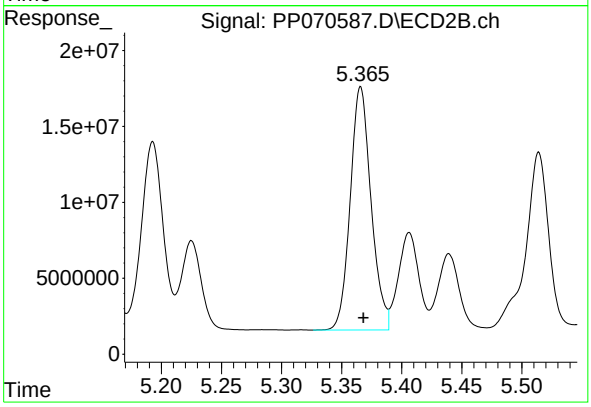
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 156054794
Conc: 4919.52 ng/ml



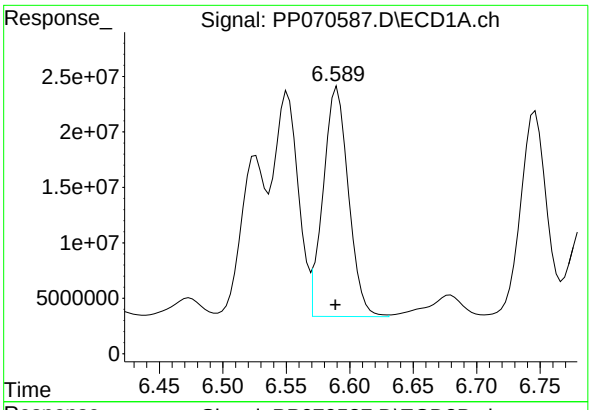
#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 274299663
Conc: 4730.02 ng/ml



#24 AR-1248-4

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 193247826
Conc: 4958.48 ng/ml



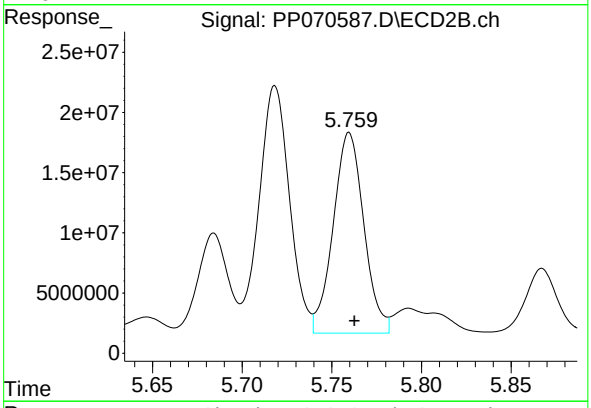
#25 AR-1248-5

R.T.: 6.590 min
Delta R.T.: 0.001 min
Response: 287568067
Conc: 5356.35 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O17DL

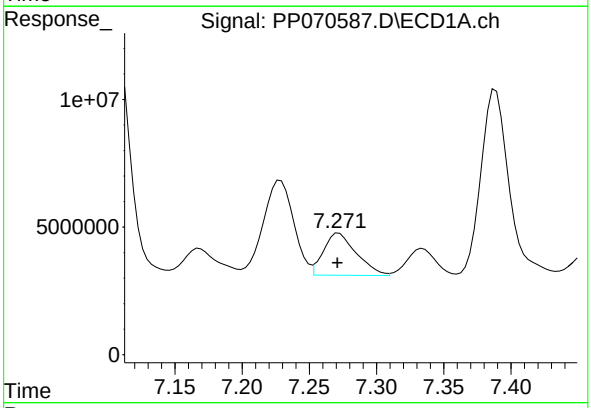
Manual Integrations APPROVED

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



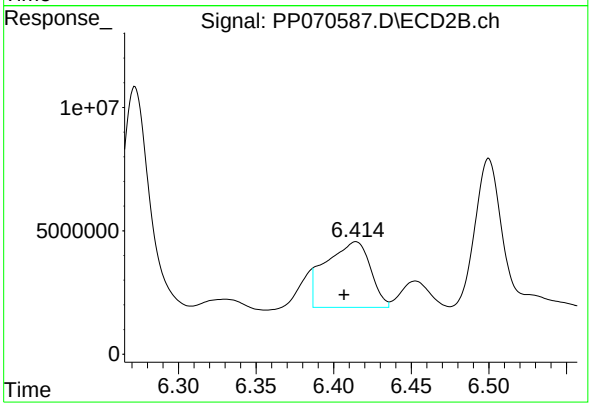
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.003 min
Response: 198382551
Conc: 5208.71 ng/ml



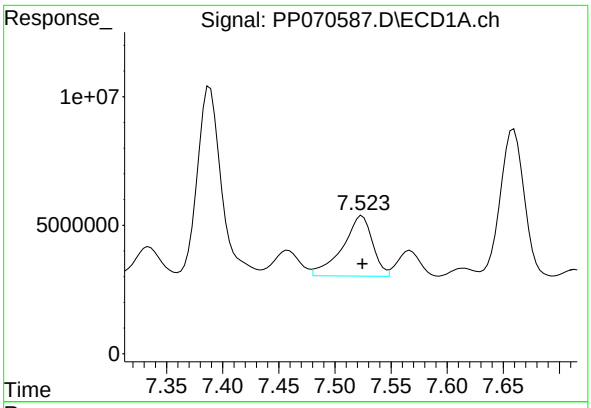
#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: 0.001 min
Response: 28110794
Conc: 478.58 ng/ml



#31 AR-1260-1

R.T.: 6.414 min
Delta R.T.: 0.007 min
Response: 52746773
Conc: 1059.50 ng/ml m



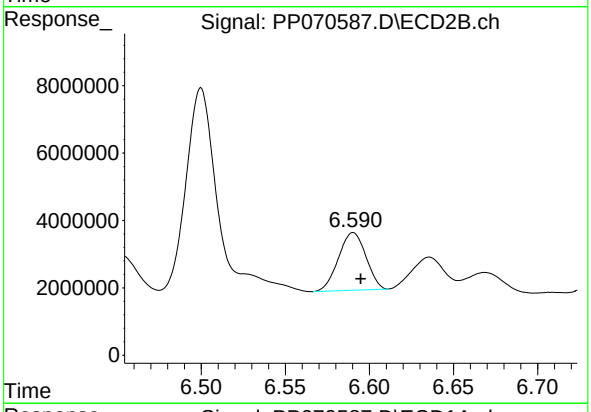
#32 AR-1260-2

R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 43709689
Conc: 532.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL

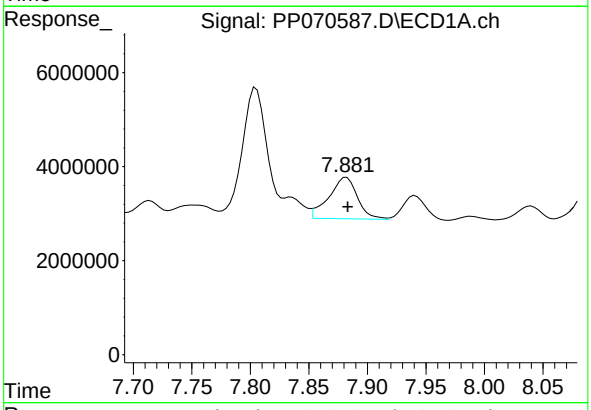
Manual Integrations
APPROVED

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



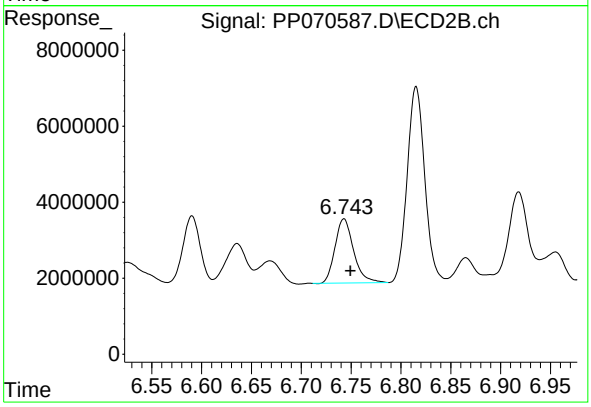
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 19481517
Conc: 294.78 ng/ml



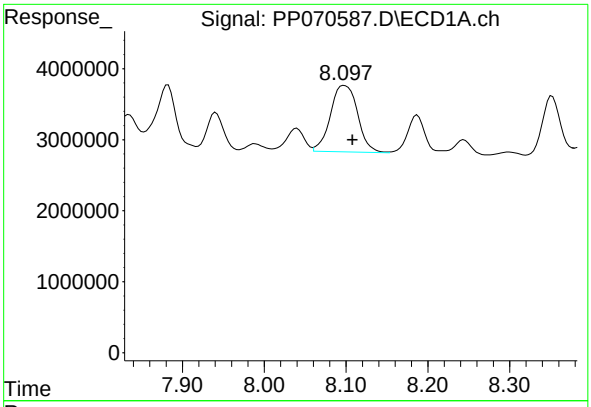
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 15038225
Conc: 228.69 ng/ml



#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 21927823
Conc: 383.37 ng/ml



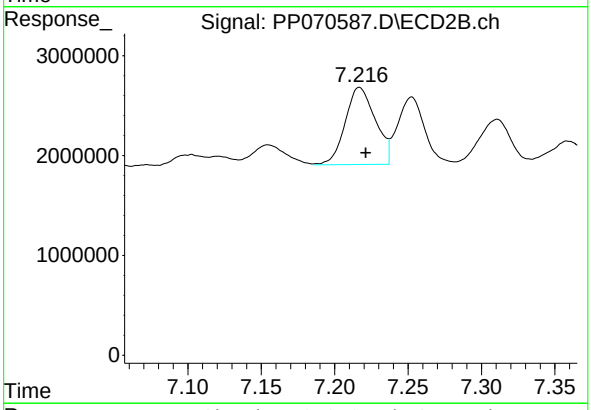
#34 AR-1260-4

R.T.: 8.098 min
Delta R.T.: -0.010 min
Response: 21604806
Conc: 330.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL

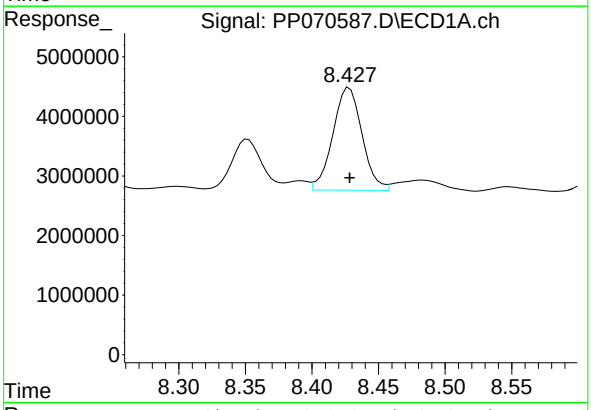
Manual Integrations
APPROVED

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



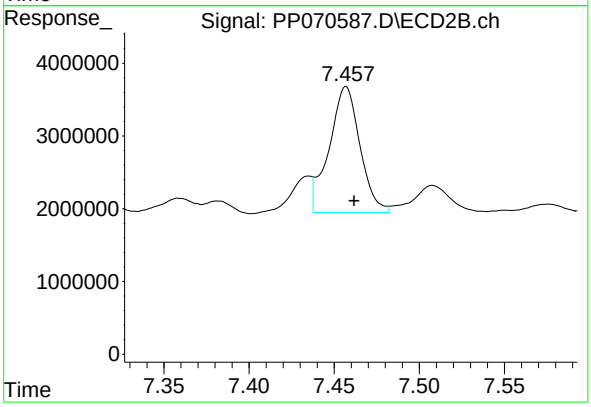
#34 AR-1260-4

R.T.: 7.217 min
Delta R.T.: -0.004 min
Response: 11059618
Conc: 216.16 ng/ml



#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 26316963
Conc: 192.55 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 21748043
Conc: 168.87 ng/ml m

Raw Data: **PP070588.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O17DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-05DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070588.D	100	03/14/25 12:25	03/17/25 12:56	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2300	UD	529	2300	ug/kg
11104-28-2	Aroclor-1221	2300	UD	539	2300	ug/kg
11141-16-5	Aroclor-1232	2300	UD	498	2300	ug/kg
53469-21-9	Aroclor-1242	2300	UD	537	2300	ug/kg
12672-29-6	Aroclor-1248	28000	D	792	2300	ug/kg
11097-69-1	Aroclor-1254	2300	UD	430	2300	ug/kg
37324-23-5	Aroclor-1262	2300	UD	672	2300	ug/kg
11100-14-4	Aroclor-1268	2300	UD	482	2300	ug/kg
11096-82-5	Aroclor-1260	2500	DP	432	2300	ug/kg
Total PCBs	Total PCBs	31000	D	1220	2300	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	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: **PP070588.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:56
Operator : YP\AJ
Sample : Q1572-05DL2 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:36:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
	Target Compounds						
21)	L5 AR-1248-1	5.673	4.914	17518472	13183141	512.897	561.569
22)	L5 AR-1248-2	5.945	5.152	27255547	19395076	642.104	619.583
23)	L5 AR-1248-3	6.148	5.193	31178612	20829866	675.613	656.647
24)	L5 AR-1248-4	6.546	5.366	35565763	25601639	613.295	656.904
25)	L5 AR-1248-5	6.585	5.760	38117357	25719319	709.988	675.284
31)	L7 AR-1260-1	7.268	6.414	3337709	6747790	56.823	135.540m#
32)	L7 AR-1260-2	7.520	6.590	5309853	2592055	64.720	39.222 #
33)	L7 AR-1260-3	7.878	6.744	1570176	2979808	23.878	52.097 #
34)	L7 AR-1260-4	8.095	7.217	2546778	1666443	38.976	32.571
35)	L7 AR-1260-5	8.423	7.457	2868210	2902503	20.985	22.538m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 12:56
Operator : YP\AJ
Sample : Q1572-05DL2 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

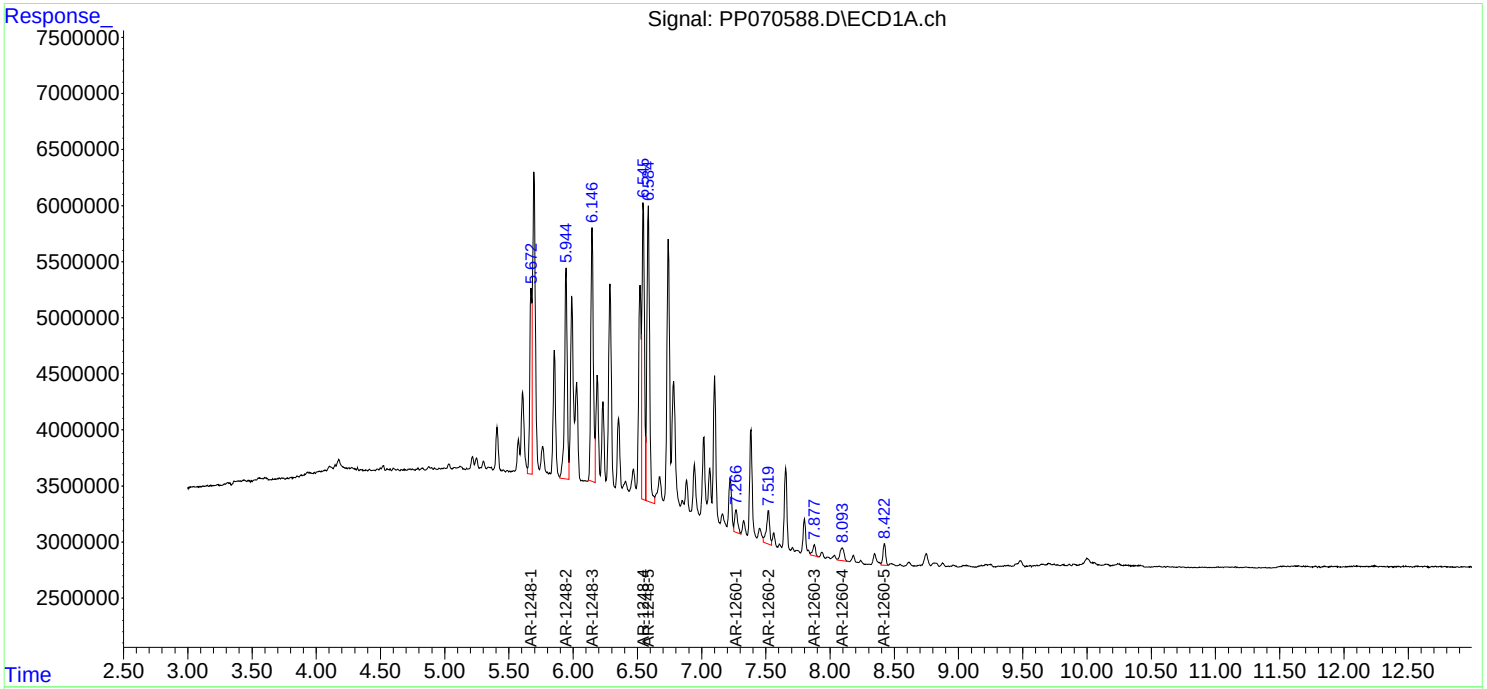
Instrument :
ECD_P
ClientSampleId :
C0O17DL2

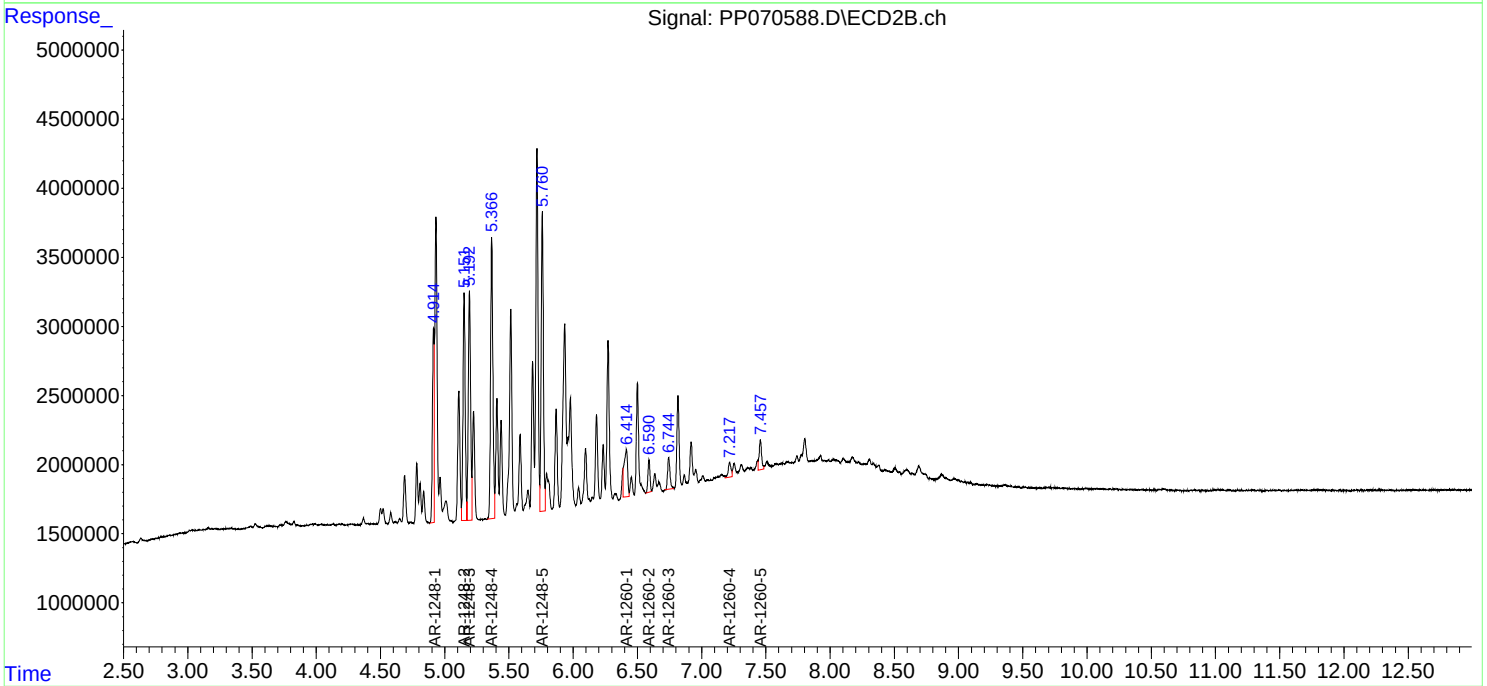
Manual Integrations APPROVED

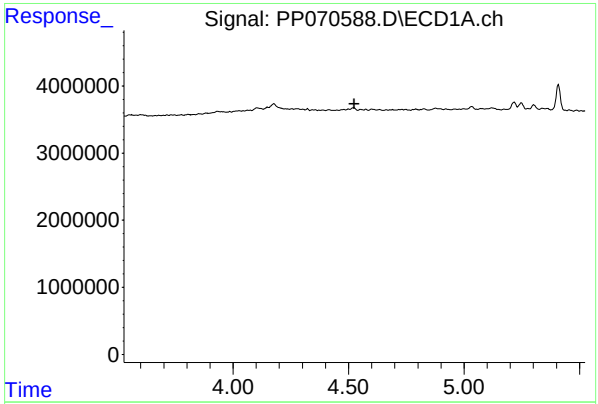
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:36:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







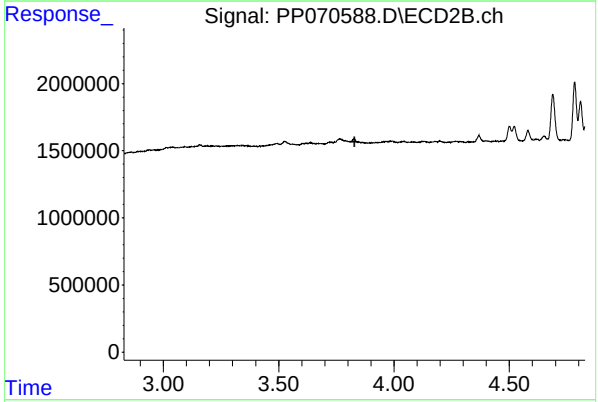
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 4.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

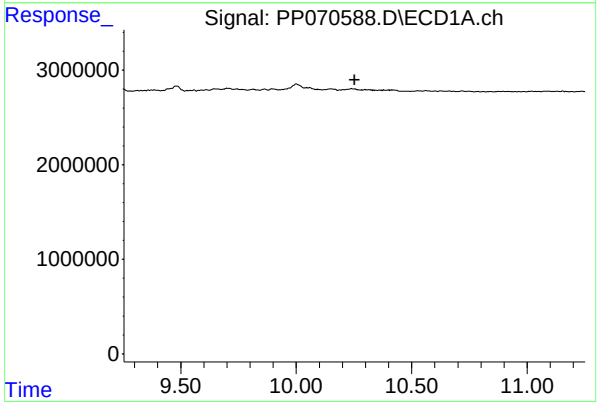
Manual Integrations
APPROVED

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



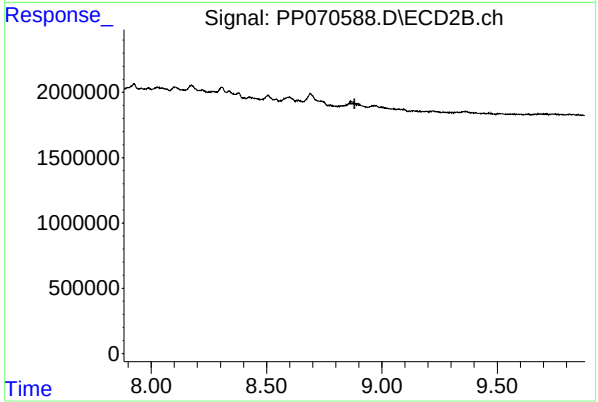
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.829 min
Response: 0
Conc: N.D.



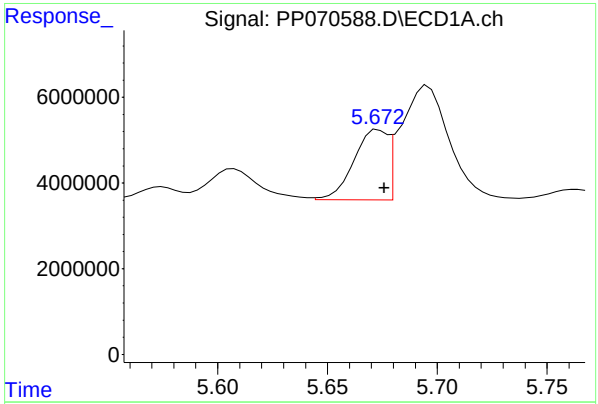
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.252 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.881 min
Response: 0
Conc: N.D.



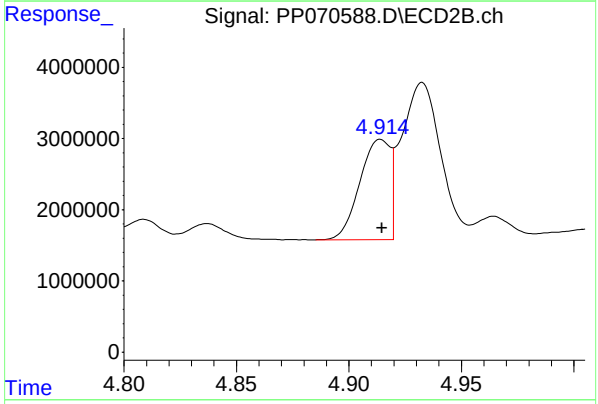
#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.003 min
Response: 17518472
Conc: 512.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

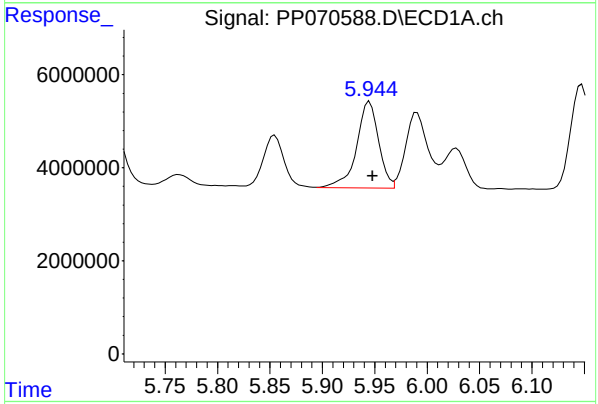
Manual Integrations APPROVED

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



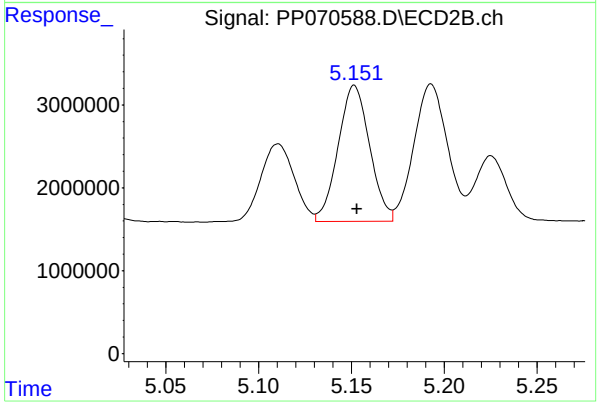
#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 13183141
Conc: 561.57 ng/ml



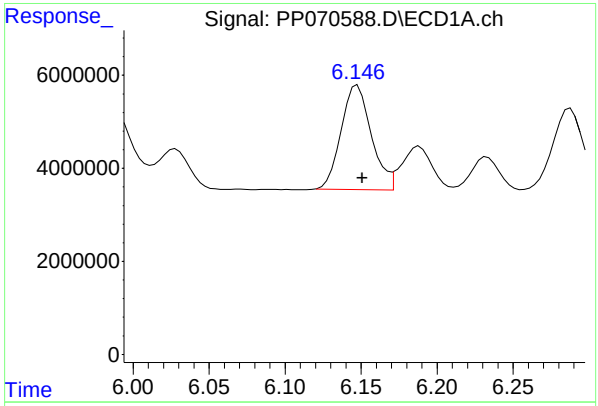
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 27255547
Conc: 642.10 ng/ml



#22 AR-1248-2

R.T.: 5.152 min
Delta R.T.: -0.001 min
Response: 19395076
Conc: 619.58 ng/ml



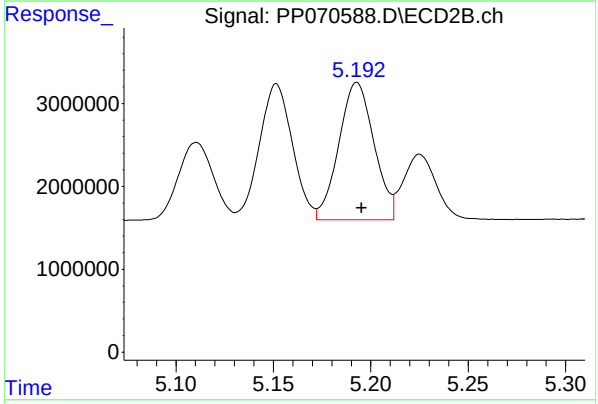
#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 31178612
Conc: 675.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

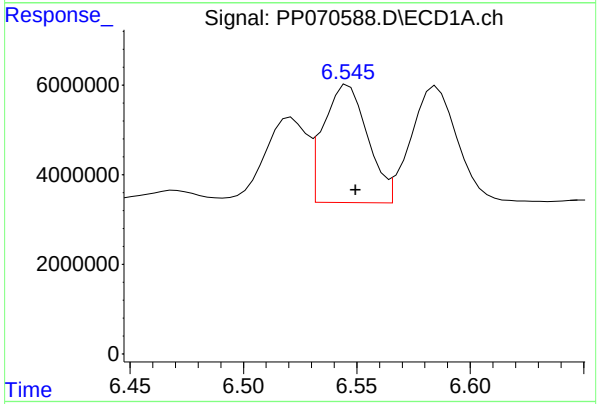
Manual Integrations APPROVED

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



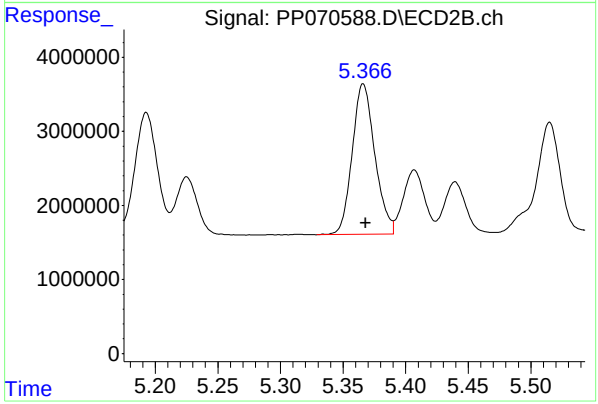
#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 20829866
Conc: 656.65 ng/ml



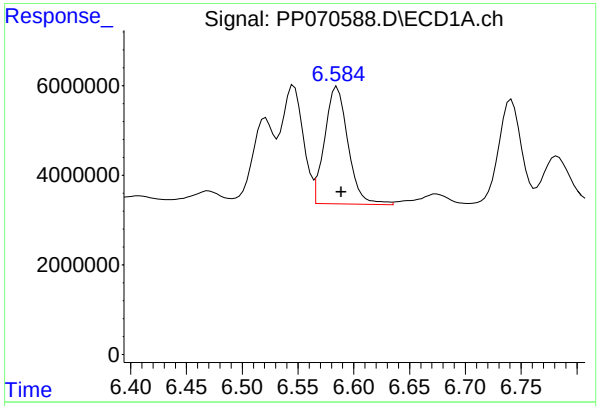
#24 AR-1248-4

R.T.: 6.546 min
Delta R.T.: -0.003 min
Response: 35565763
Conc: 613.30 ng/ml



#24 AR-1248-4

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 25601639
Conc: 656.90 ng/ml



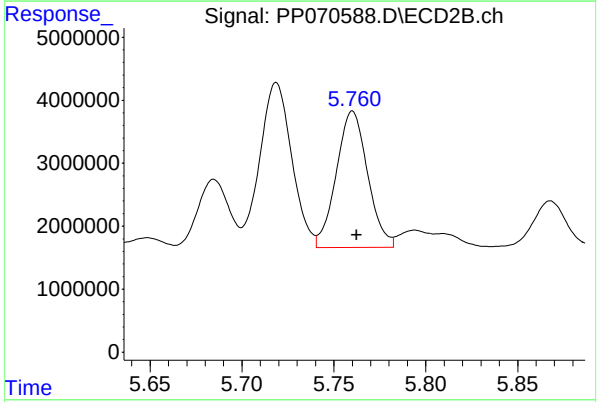
#25 AR-1248-5

R.T.: 6.585 min
Delta R.T.: -0.004 mi
Response: 38117357
Conc: 709.99 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

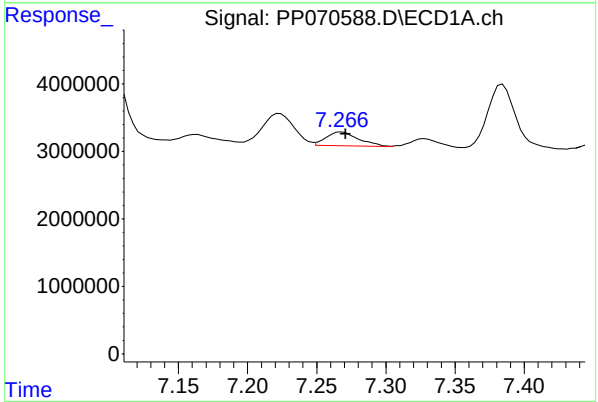
Manual Integrations
APPROVED

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



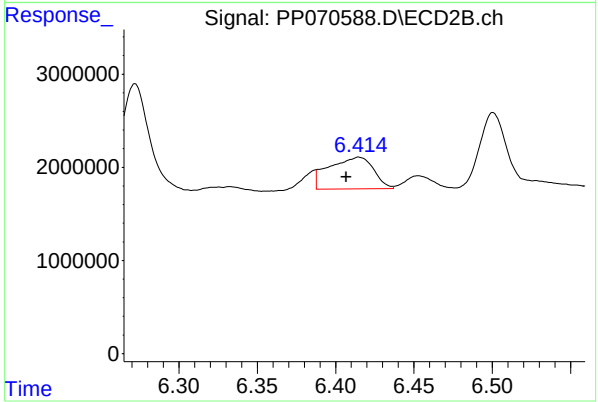
#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.002 min
Response: 25719319
Conc: 675.28 ng/ml



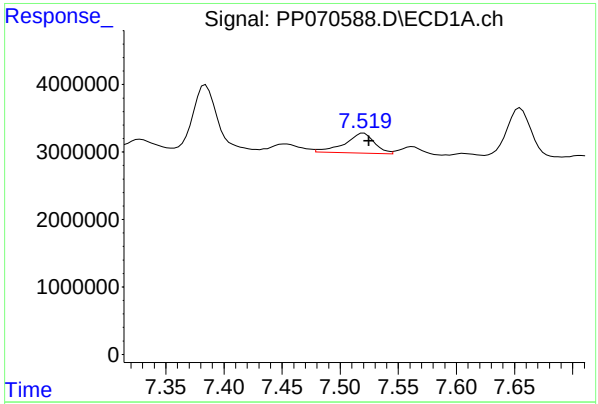
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 3337709
Conc: 56.82 ng/ml



#31 AR-1260-1

R.T.: 6.414 min
Delta R.T.: 0.008 min
Response: 6747790
Conc: 135.54 ng/ml m



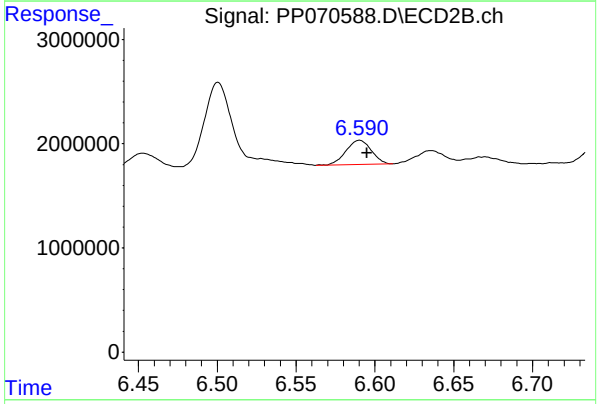
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 5309853
Conc: 64.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

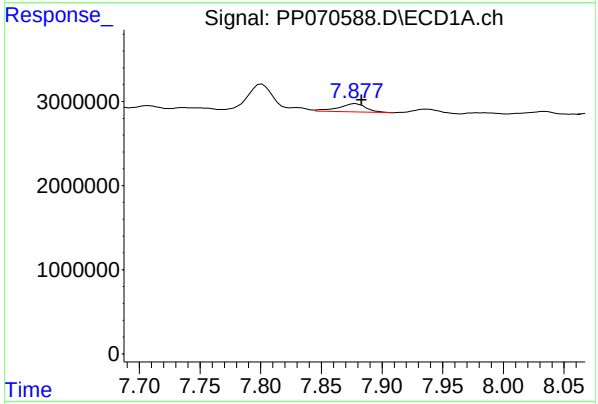
Manual Integrations
APPROVED

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



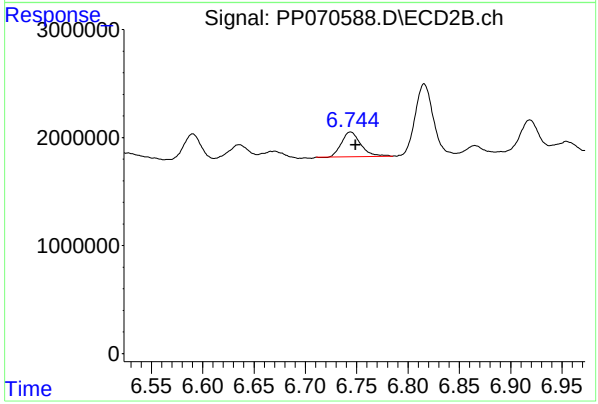
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 2592055
Conc: 39.22 ng/ml



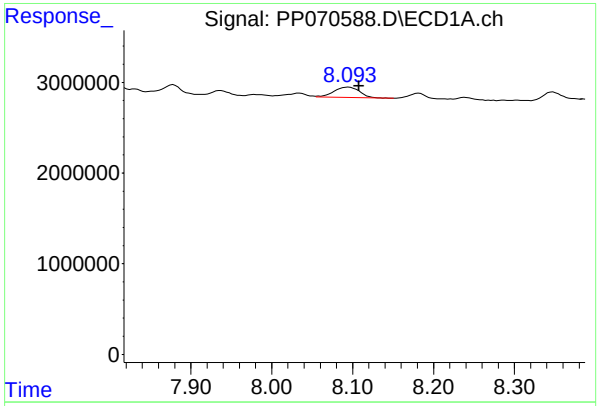
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 1570176
Conc: 23.88 ng/ml



#33 AR-1260-3

R.T.: 6.744 min
Delta R.T.: -0.005 min
Response: 2979808
Conc: 52.10 ng/ml



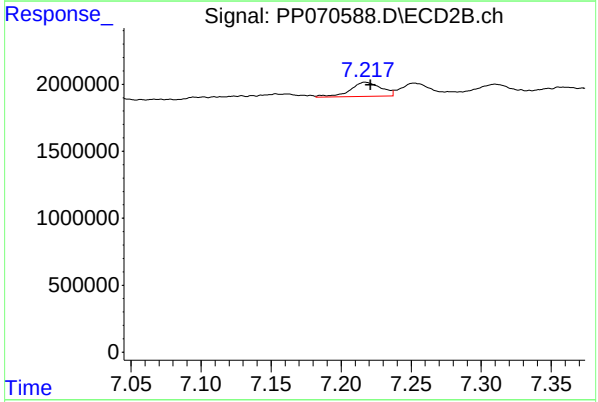
#34 AR-1260-4

R.T.: 8.095 min
Delta R.T.: -0.013 min
Response: 2546778
Conc: 38.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O17DL2

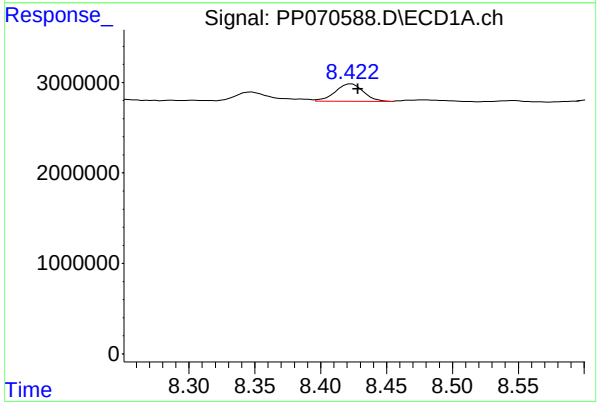
Manual Integrations APPROVED

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



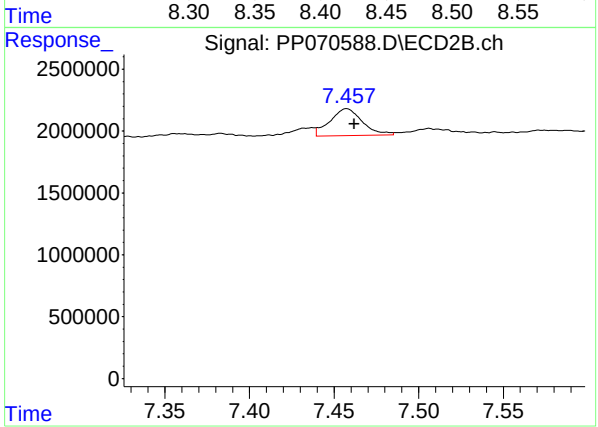
#34 AR-1260-4

R.T.: 7.217 min
Delta R.T.: -0.004 min
Response: 1666443
Conc: 32.57 ng/ml



#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 min
Response: 2868210
Conc: 20.99 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 2902503
Conc: 22.54 ng/ml m

Raw Data: **PP070563.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O18	SDG No.:	Q1572
Lab Sample ID:	Q1572-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070563.D	1	03/14/25 12:25	03/15/25 03:12	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	22.3	U	5.20	22.3	ug/kg
11104-28-2	Aroclor-1221	22.3	U	5.30	22.3	ug/kg
11141-16-5	Aroclor-1232	22.3	U	4.90	22.3	ug/kg
53469-21-9	Aroclor-1242	22.3	U	5.30	22.3	ug/kg
12672-29-6	Aroclor-1248	14000	E	7.80	22.3	ug/kg
11097-69-1	Aroclor-1254	22.3	U	4.20	22.3	ug/kg
37324-23-5	Aroclor-1262	22.3	U	6.60	22.3	ug/kg
11100-14-4	Aroclor-1268	22.3	U	4.70	22.3	ug/kg
11096-82-5	Aroclor-1260	930	E	4.20	22.3	ug/kg
Total PCBs	Total PCBs	15000	E	12.0	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		32 - 144	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.5		32 - 175	122%	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: **PP070563.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:12
Operator : YP\AJ
Sample : Q1572-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:29:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.826	24516034	15718852	15.762	15.683
2)	SA Decachlor...	10.237	8.872	15603391	23948547	14.688m	24.478m#
	Target Compounds						
21)	L5 AR-1248-1	5.673	4.913	1204.2E6	801.1E6	35255.886	34126.860
22)	L5 AR-1248-2	5.945	5.150	1229.6E6	781.7E6	28968.209	24972.671
23)	L5 AR-1248-3	6.146	5.192	1531.4E6	874.6E6	33183.275m	27571.050
24)	L5 AR-1248-4	6.546	5.365	1729.0E6	1109.8E6	29815.584	28477.056
25)	L5 AR-1248-5	6.584	5.759	1695.4E6	1112.7E6	31579.704	29215.046
31)	L7 AR-1260-1	7.266	6.414	137.0E6	283.3E6	2331.953	5691.227m#
32)	L7 AR-1260-2	7.518	6.589	243.9E6	89990151	2973.150	1361.682 #
33)	L7 AR-1260-3	7.876	6.742	93970258	101.5E6	1429.039	1773.995
34)	L7 AR-1260-4	8.091	7.215	113.4E6	48689314	1734.911	951.641 #
35)	L7 AR-1260-5	8.421	7.456	142.1E6	139.0E6	1039.769	1079.159

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:12
Operator : YP\AJ
Sample : Q1572-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

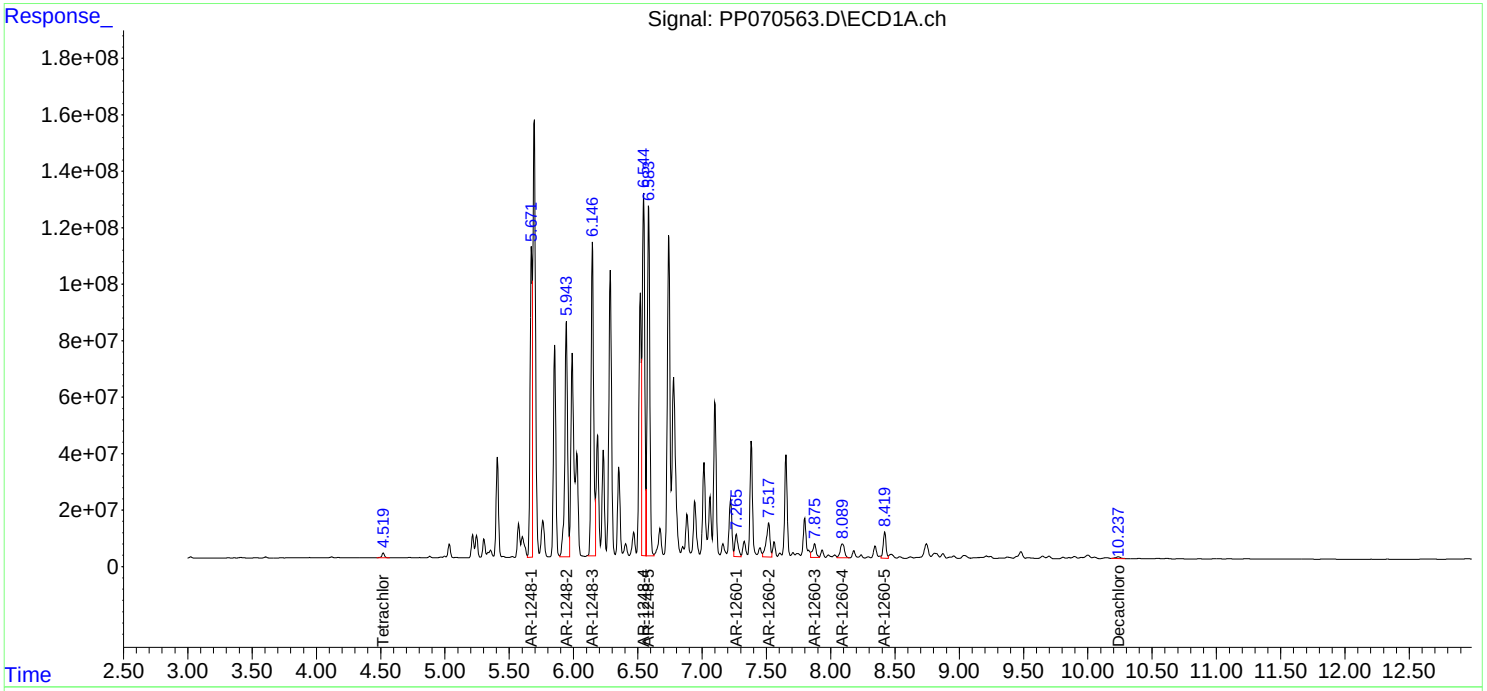
Instrument :
ECD_P
ClientSampleId :
C0O18

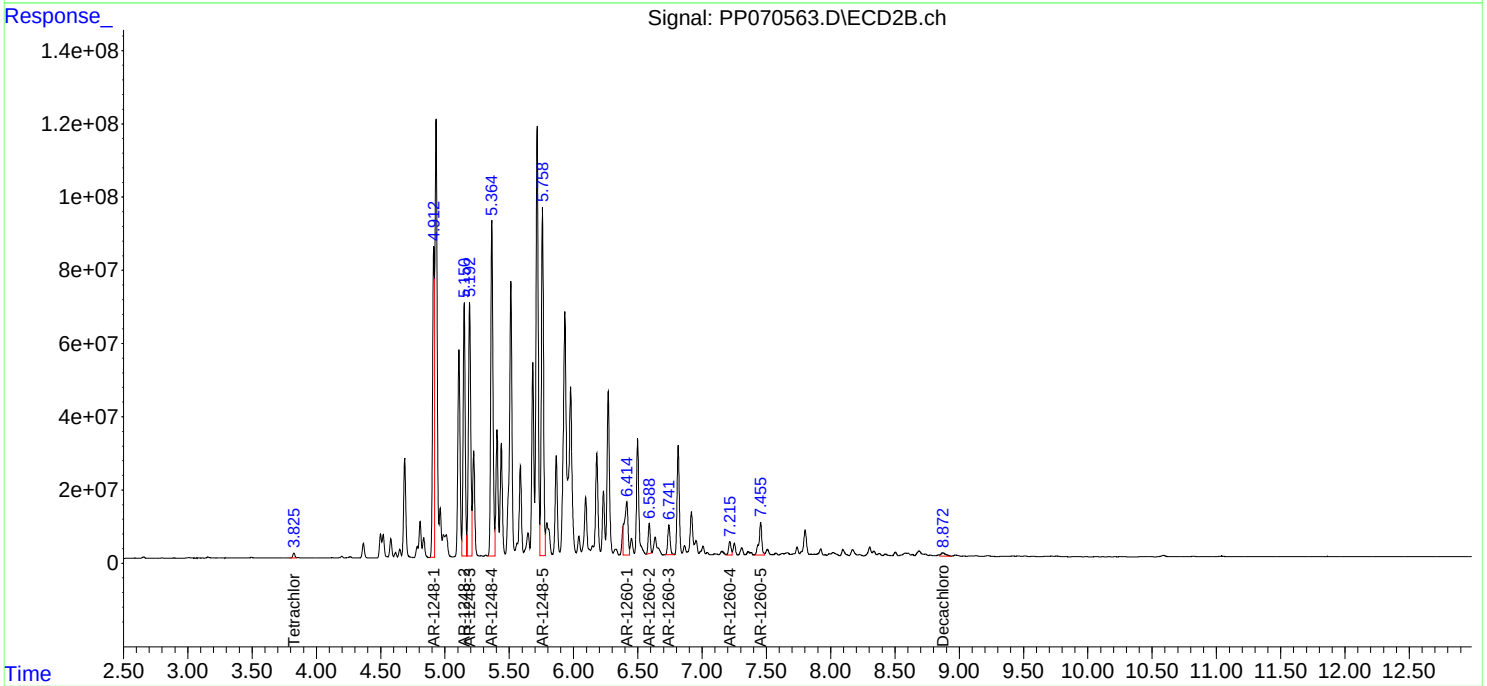
Manual Integrations APPROVED

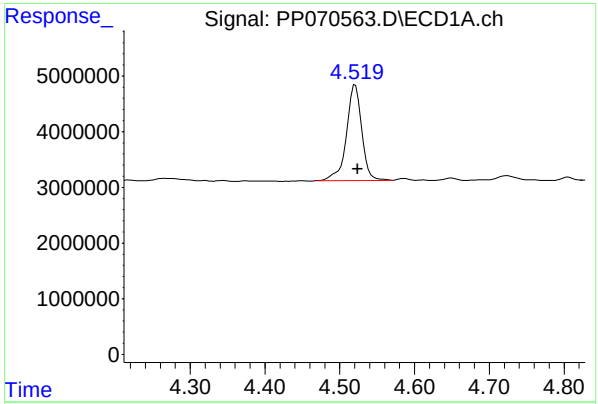
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:29:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







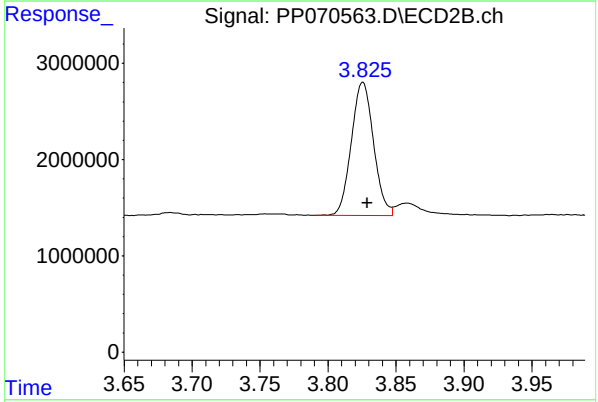
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 24516034
Conc: 15.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18

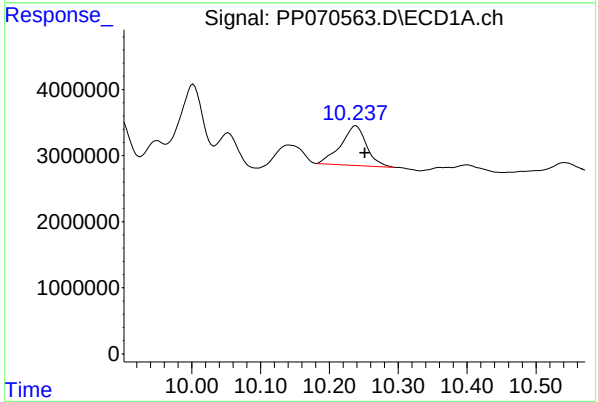
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



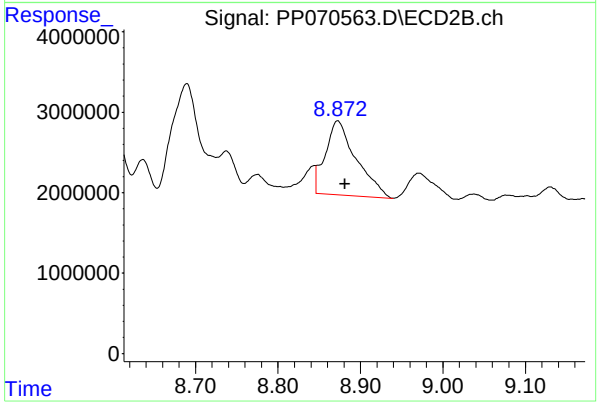
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 15718852
Conc: 15.68 ng/ml



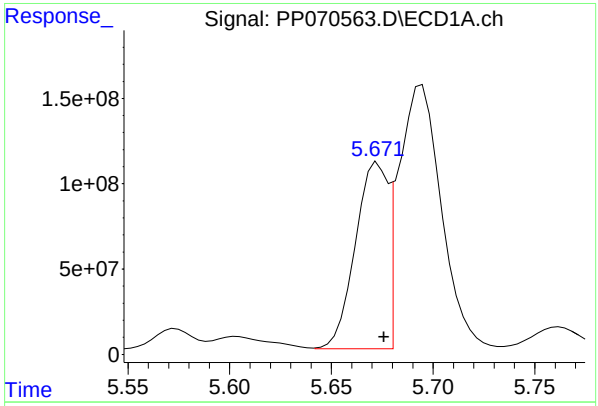
#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: -0.014 min
Response: 15603391
Conc: 14.69 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 23948547
Conc: 24.48 ng/ml m



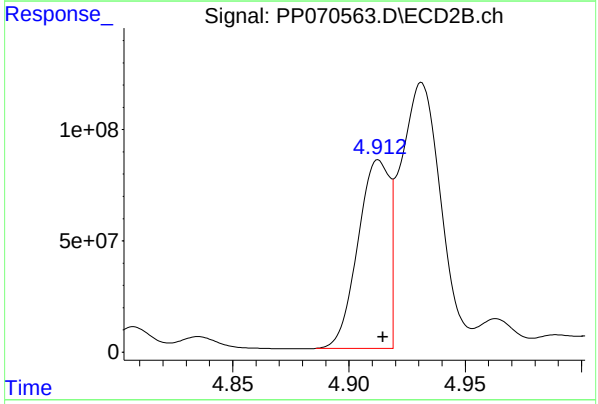
#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.003 min
Response: 1204198588
Conc: 35255.89 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18

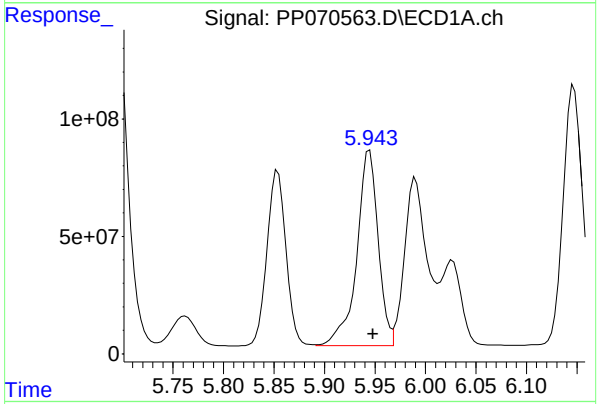
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



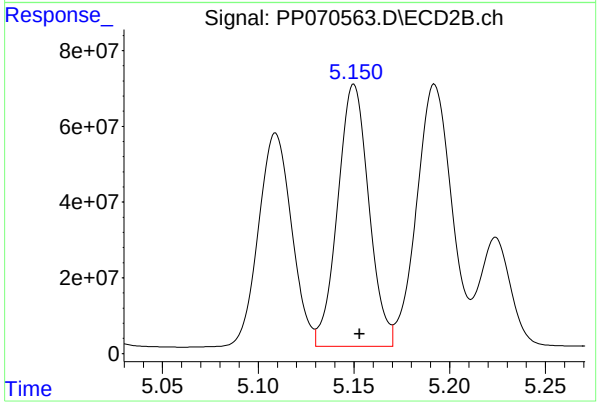
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 801146221
Conc: 34126.86 ng/ml



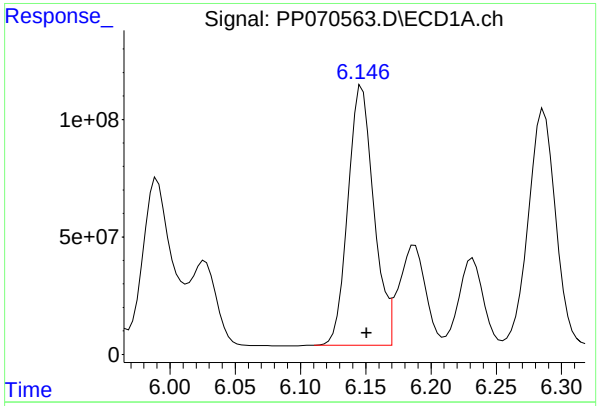
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.004 min
Response: 1229621297
Conc: 28968.21 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 781730690
Conc: 24972.67 ng/ml



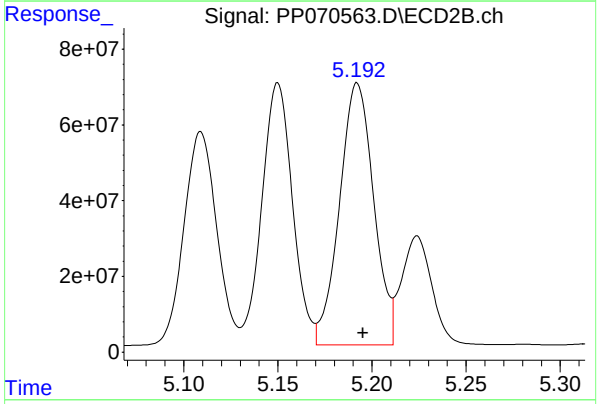
#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.005 mi
Response: 1531363107
Conc: 33183.28 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18

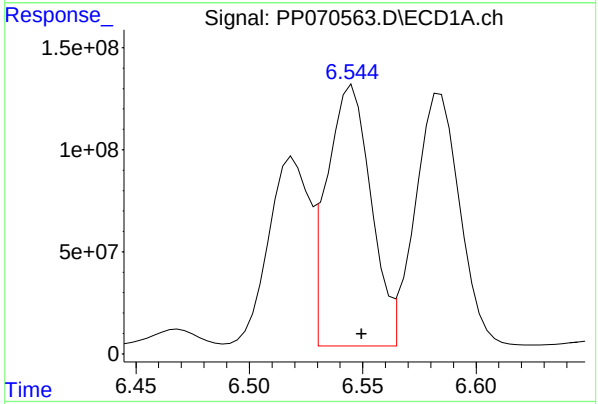
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



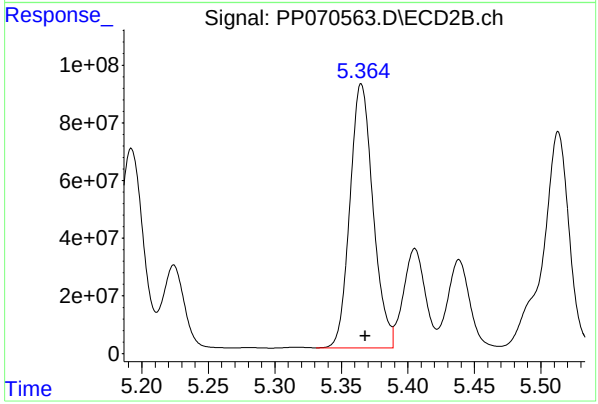
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 874597079
Conc: 27571.05 ng/ml



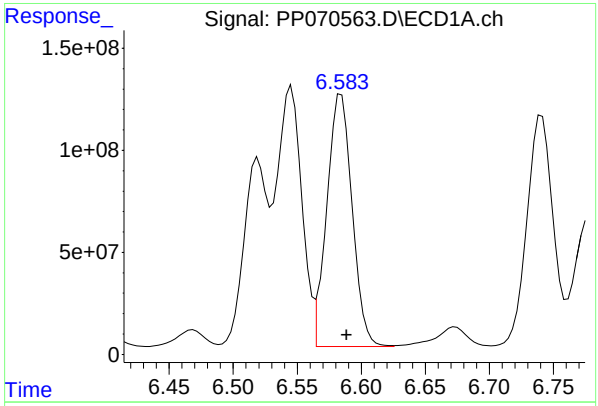
#24 AR-1248-4

R.T.: 6.546 min
Delta R.T.: -0.004 min
Response: 1729043230
Conc: 29815.58 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1109841156
Conc: 28477.06 ng/ml



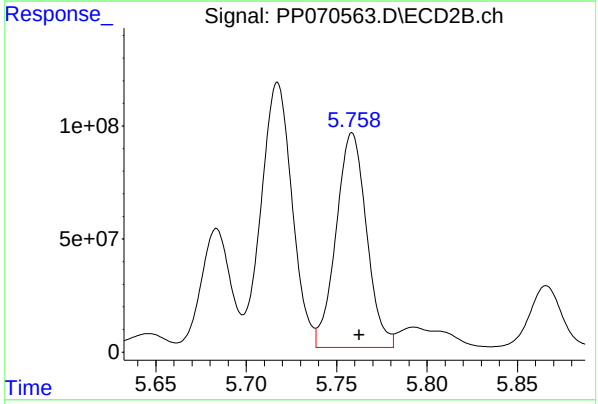
#25 AR-1248-5

R.T.: 6.584 min
Delta R.T.: -0.004 mi
Response: 1695430799
Conc: 31579.70 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18

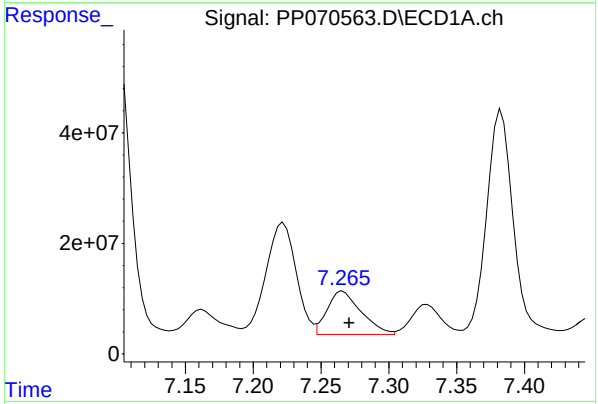
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



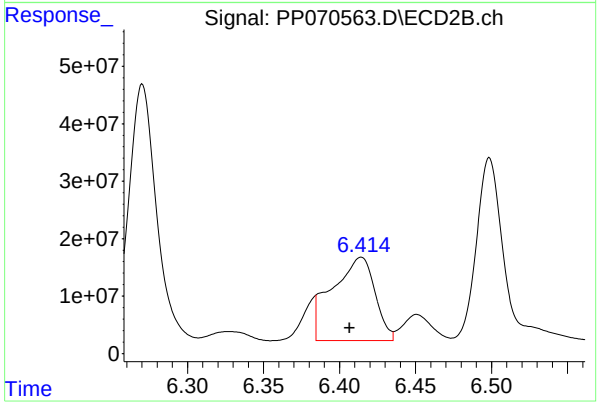
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 1112704091
Conc: 29215.05 ng/ml



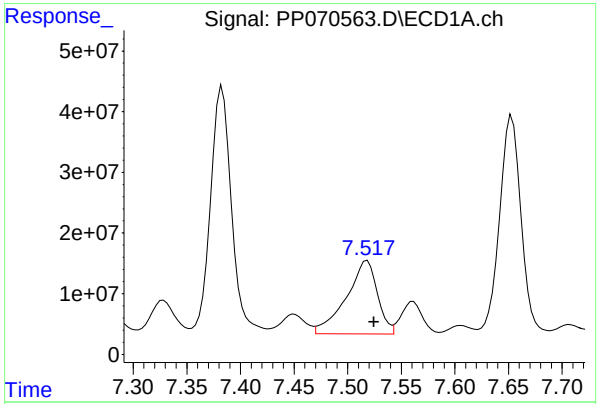
#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 136974743
Conc: 2331.95 ng/ml



#31 AR-1260-1

R.T.: 6.414 min
Delta R.T.: 0.007 min
Response: 283334193
Conc: 5691.23 ng/ml m



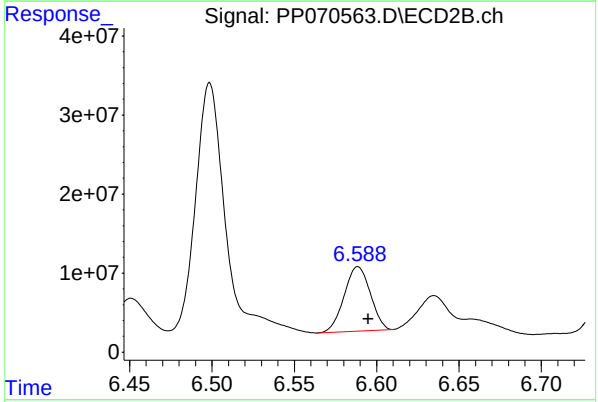
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 min
Response: 243926120
Conc: 2973.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18

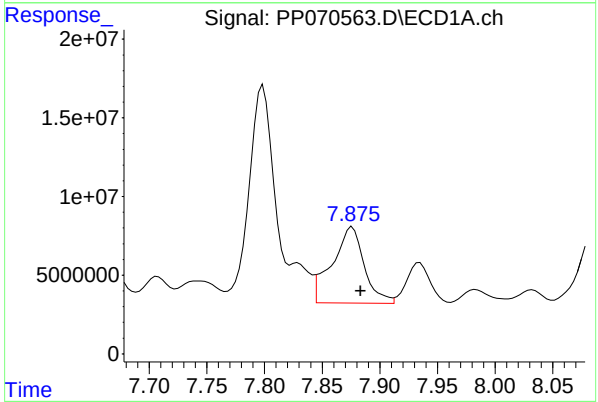
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



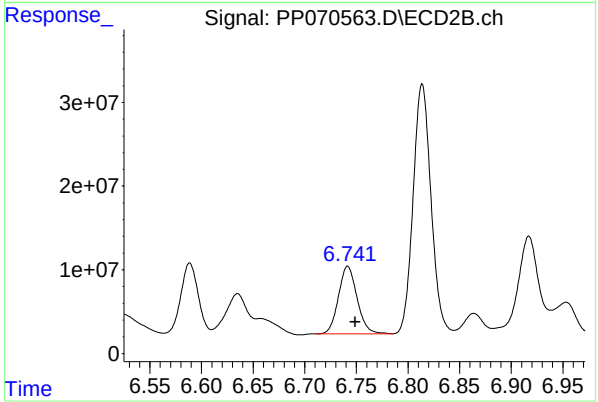
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 89990151
Conc: 1361.68 ng/ml



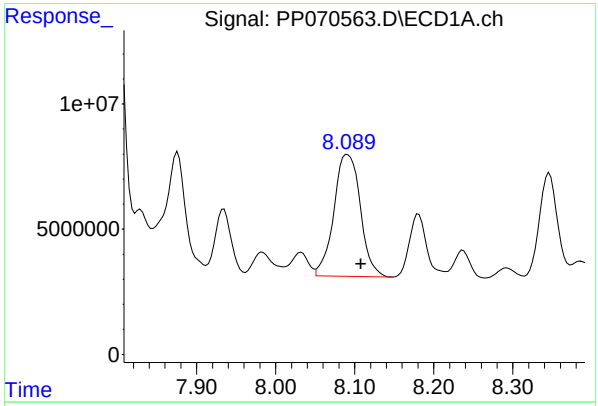
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 93970258
Conc: 1429.04 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.008 min
Response: 101467784
Conc: 1773.99 ng/ml



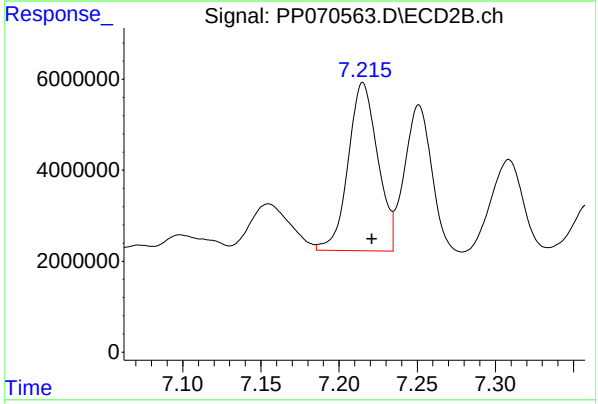
#34 AR-1260-4

R.T.: 8.091 min
Delta R.T.: -0.017 mi
Response: 113363886
Conc: 1734.91 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18

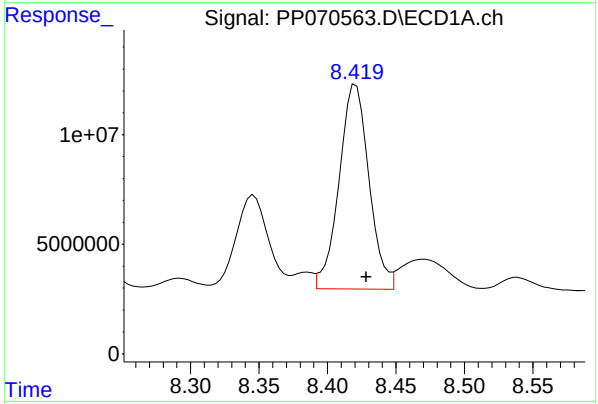
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



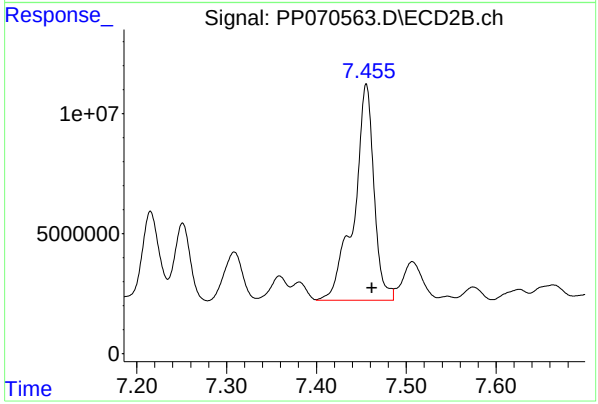
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 48689314
Conc: 951.64 ng/ml



#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.008 min
Response: 142113172
Conc: 1039.77 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 138979718
Conc: 1079.16 ng/ml

Raw Data: **PP070597.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O18DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-06DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070597.D	5	03/14/25 12:25	03/17/25 16:10	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	112	UD	26.0	112	ug/kg
11104-28-2	Aroclor-1221	112	UD	26.5	112	ug/kg
11141-16-5	Aroclor-1232	112	UD	24.4	112	ug/kg
53469-21-9	Aroclor-1242	112	UD	26.4	112	ug/kg
12672-29-6	Aroclor-1248	17000	ED	38.9	112	ug/kg
11097-69-1	Aroclor-1254	112	UD	21.1	112	ug/kg
37324-23-5	Aroclor-1262	112	UD	33.0	112	ug/kg
11100-14-4	Aroclor-1268	112	UD	23.7	112	ug/kg
11096-82-5	Aroclor-1260	1200	D	21.2	112	ug/kg
Total PCBs	Total PCBs	18000	D	60.1	112	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	35.5	*	32 - 175	178%	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: **PP070597.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:10
Operator : YP\AJ
Sample : Q1572-06DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:40:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.825	6164784	3135976	3.964	3.129
2)	SA Decachlor...	10.239	8.872	3946453	6947881	3.715m	7.102m#
	Target Compounds						
21)	L5 AR-1248-1	5.672	4.913	285.4E6	203.8E6	8354.722	8680.060
22)	L5 AR-1248-2	5.943	5.150	306.6E6	200.3E6	7223.500	6400.011
23)	L5 AR-1248-3	6.145	5.192	379.6E6	222.5E6	8224.657m	7013.963
24)	L5 AR-1248-4	6.545	5.365	420.2E6	284.1E6	7245.073	7289.731
25)	L5 AR-1248-5	6.584	5.759	416.2E6	279.3E6	7752.326	7334.078
31)	L7 AR-1260-1	7.265	6.414	35808654	67384435	609.631	1353.526m#
32)	L7 AR-1260-2	7.517	6.589	62862364	24177894	766.212	365.847 #
33)	L7 AR-1260-3	7.876	6.742	24469275	27295412	372.113	477.215 #
34)	L7 AR-1260-4	8.095	7.215	28763360	12879913	440.192	251.740 #
35)	L7 AR-1260-5	8.422	7.456	36259753	29692174	265.294	230.556m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:10
Operator : YP\AJ
Sample : Q1572-06DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

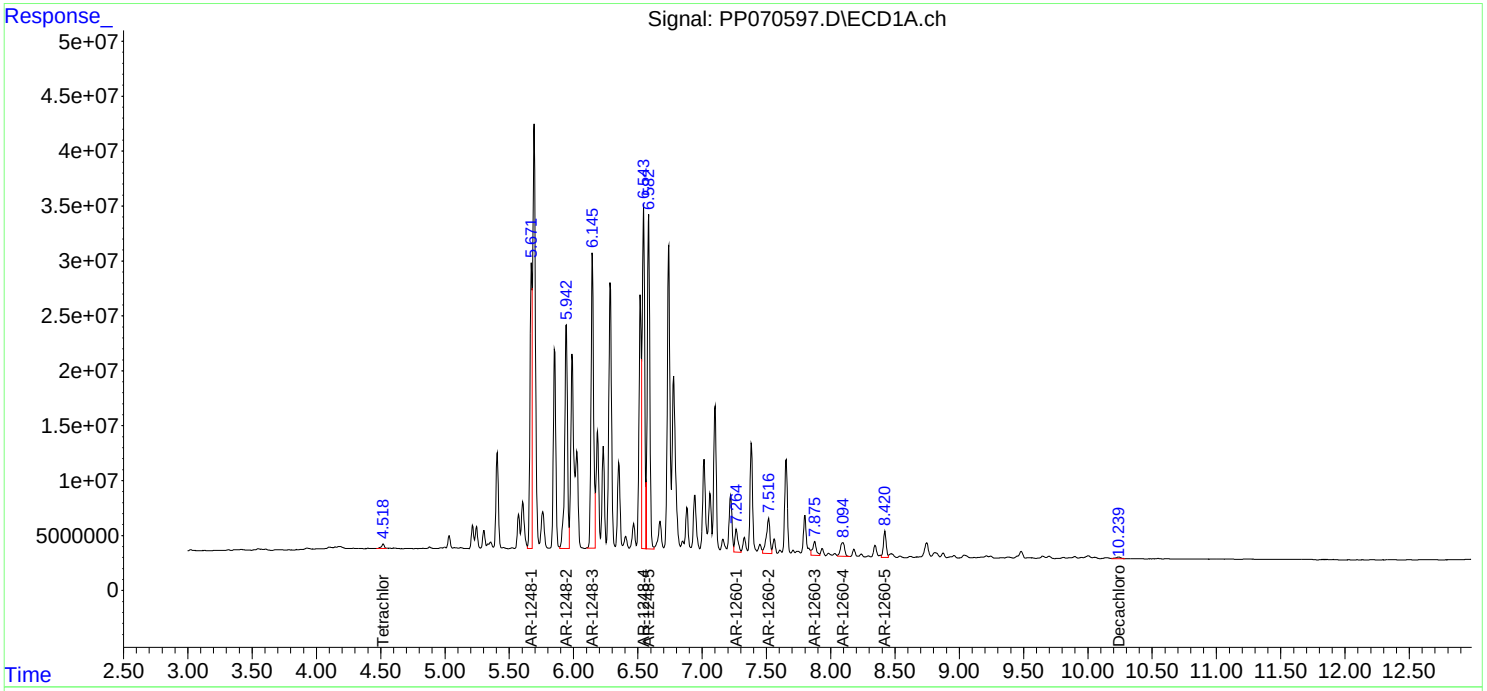
Instrument :
ECD_P
ClientSampleId :
C0O18DL

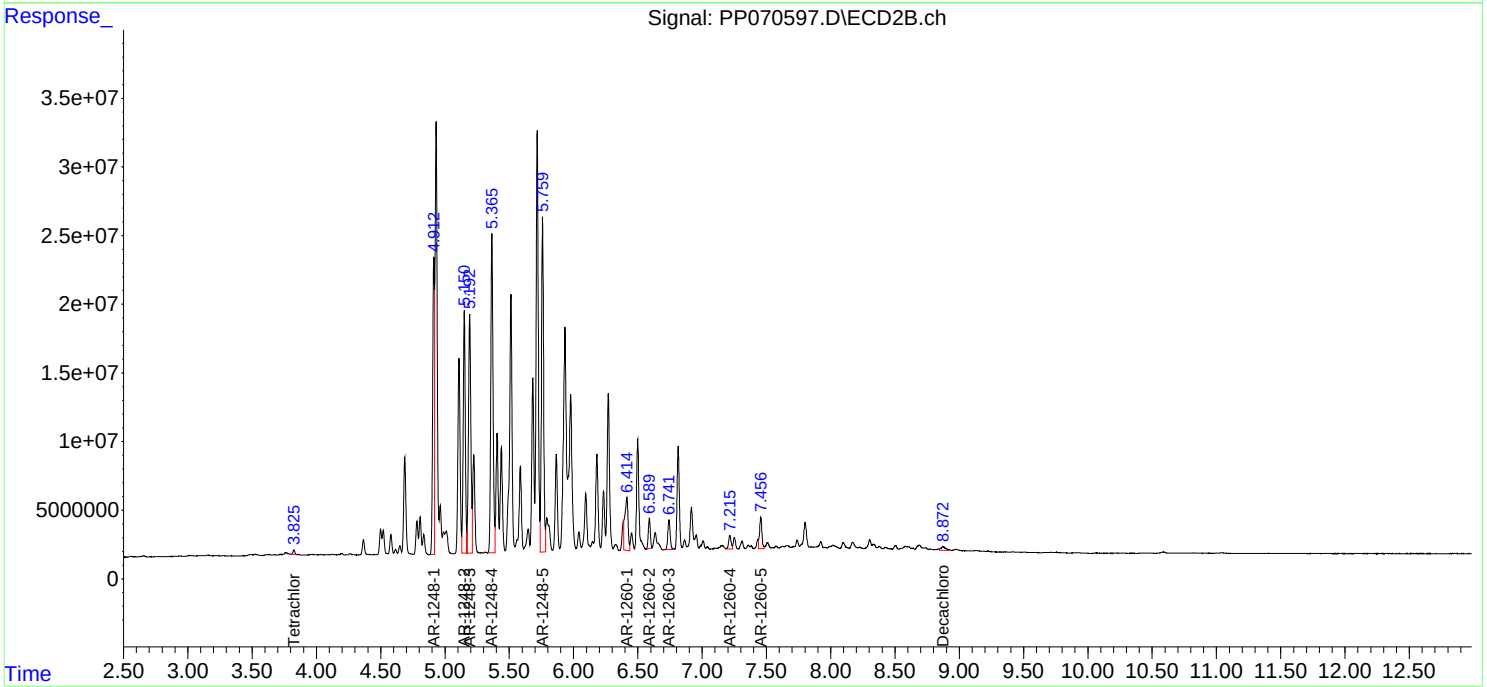
Manual Integrations APPROVED

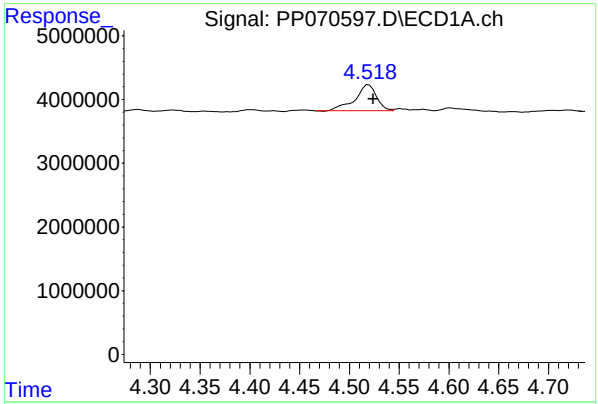
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:40:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







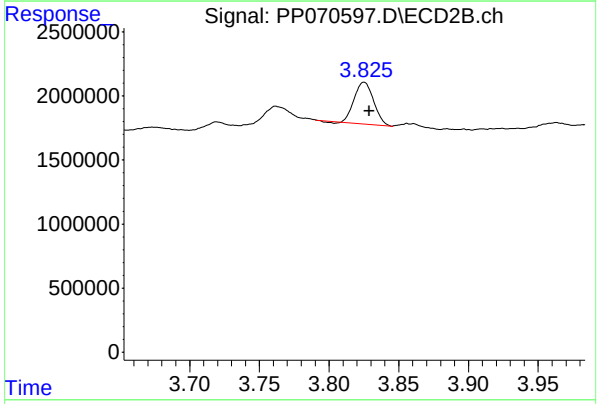
#1 Tetrachloro-m-xylene

R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 6164784
Conc: 3.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL

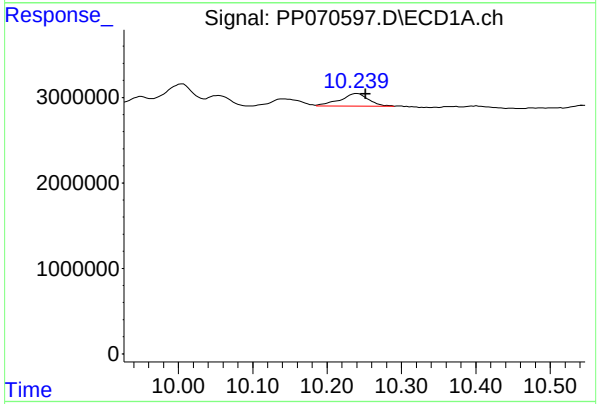
Manual Integrations APPROVED

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



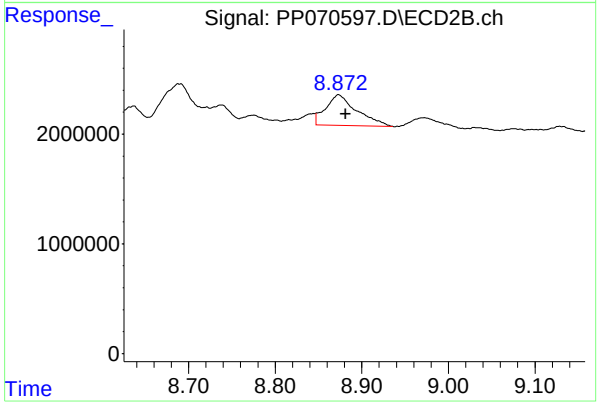
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 3135976
Conc: 3.13 ng/ml



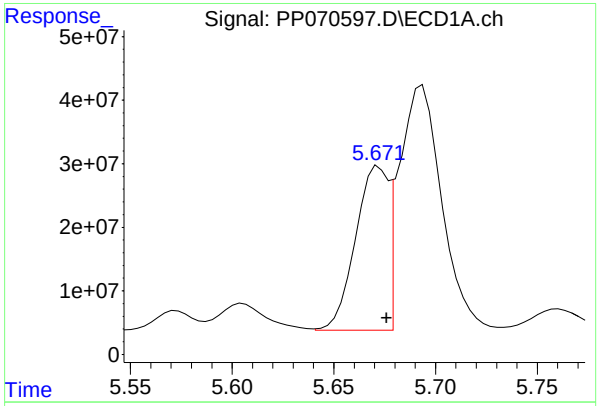
#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 3946453
Conc: 3.71 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 6947881
Conc: 7.10 ng/ml m



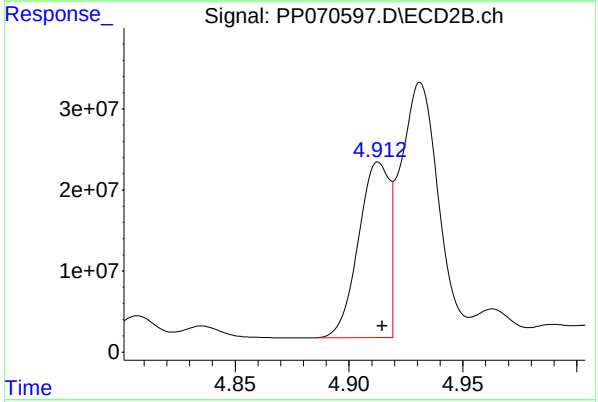
#21 AR-1248-1

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 285363550
Conc: 8354.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL

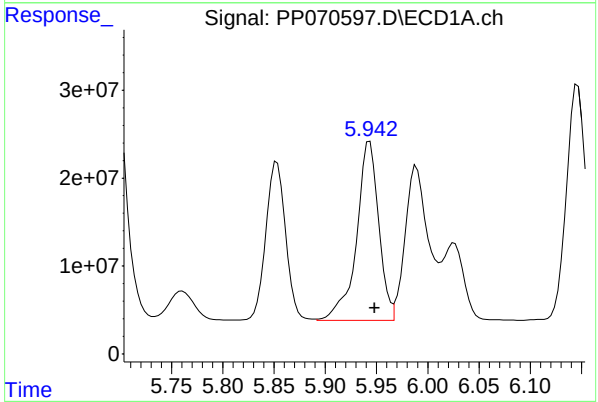
Manual Integrations
APPROVED

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



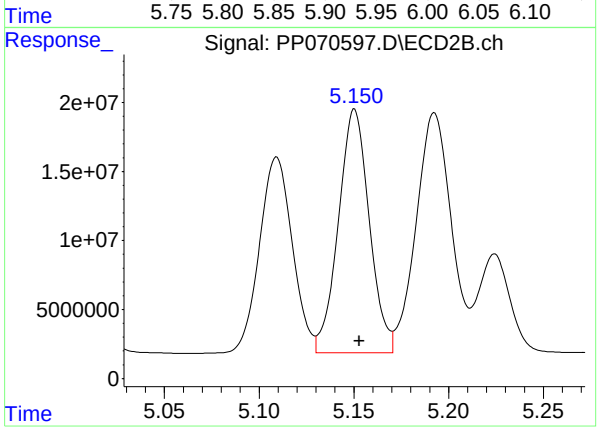
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 203769040
Conc: 8680.06 ng/ml



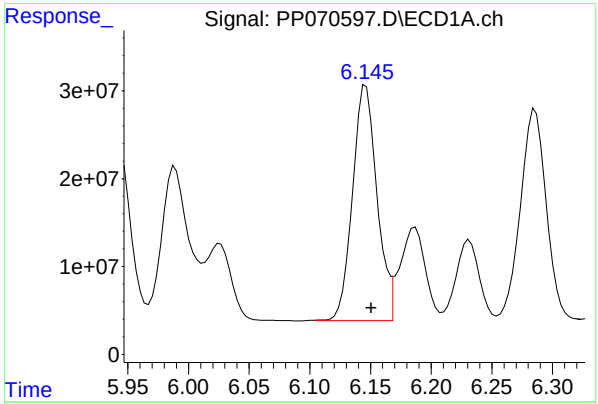
#22 AR-1248-2

R.T.: 5.943 min
Delta R.T.: -0.005 min
Response: 306617813
Conc: 7223.50 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 200342400
Conc: 6400.01 ng/ml



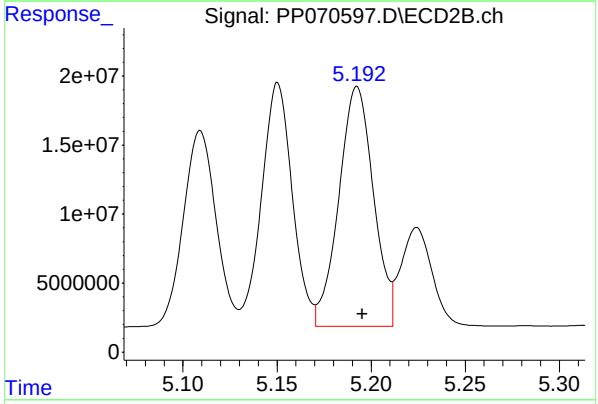
#23 AR-1248-3

R.T.: 6.145 min
Delta R.T.: -0.006 mi
Response: 379556753
Conc: 8224.66 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18DL

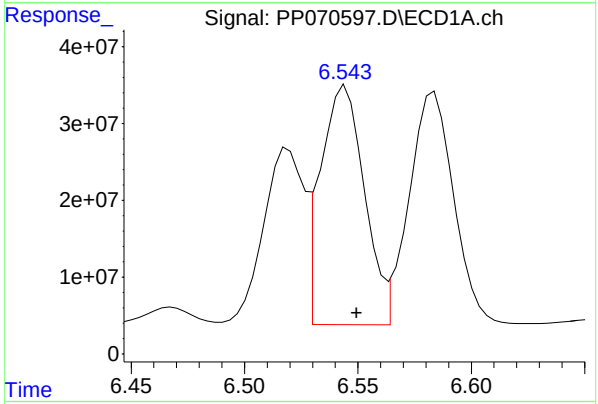
Manual Integrations
APPROVED

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



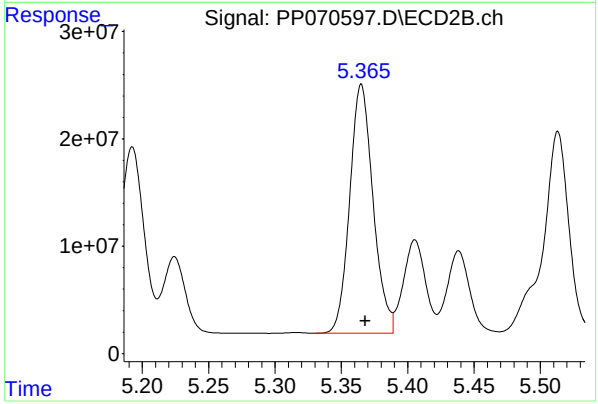
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 222493933
Conc: 7013.96 ng/ml



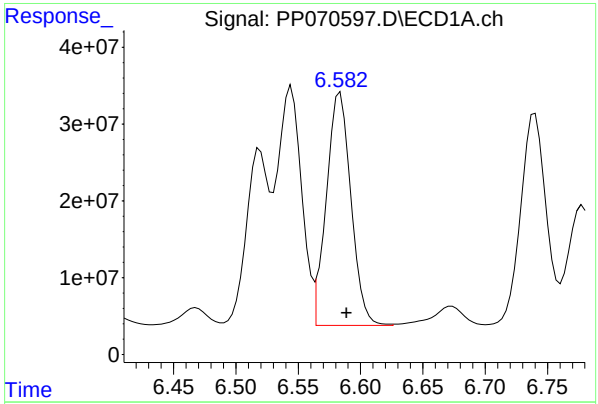
#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.005 min
Response: 420150904
Conc: 7245.07 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 284103935
Conc: 7289.73 ng/ml



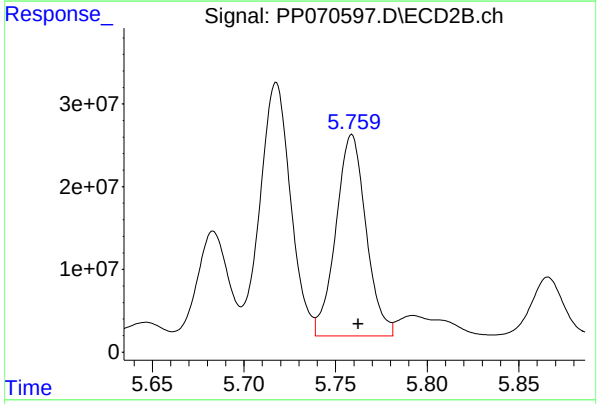
#25 AR-1248-5

R.T.: 6.584 min
Delta R.T.: -0.005 mi
Response: 416201871
Conc: 7752.33 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18DL

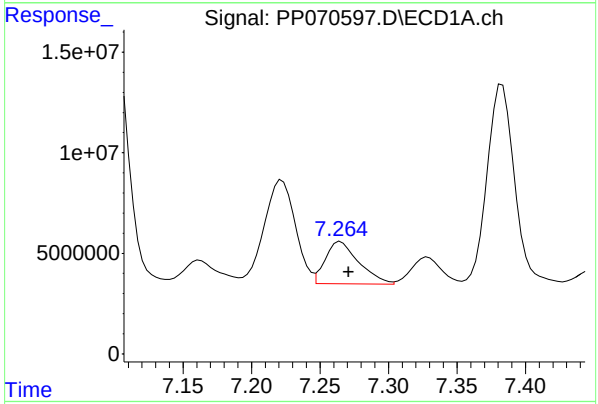
Manual Integrations
APPROVED

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



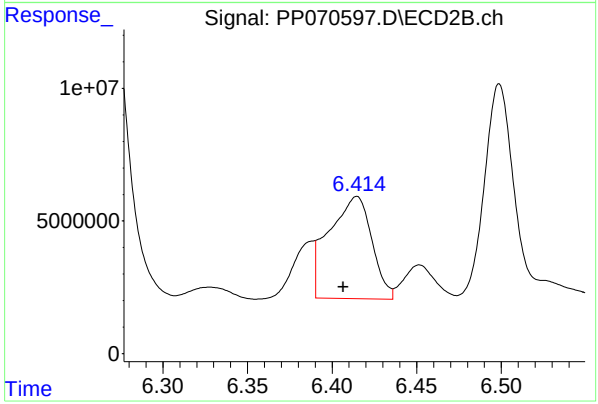
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 279330676
Conc: 7334.08 ng/ml



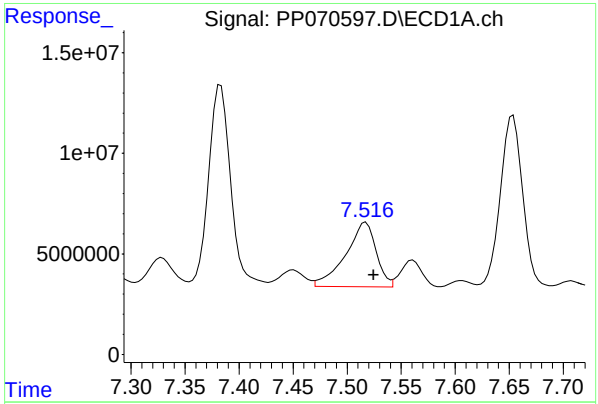
#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 min
Response: 35808654
Conc: 609.63 ng/ml



#31 AR-1260-1

R.T.: 6.414 min
Delta R.T.: 0.008 min
Response: 67384435
Conc: 1353.53 ng/ml m



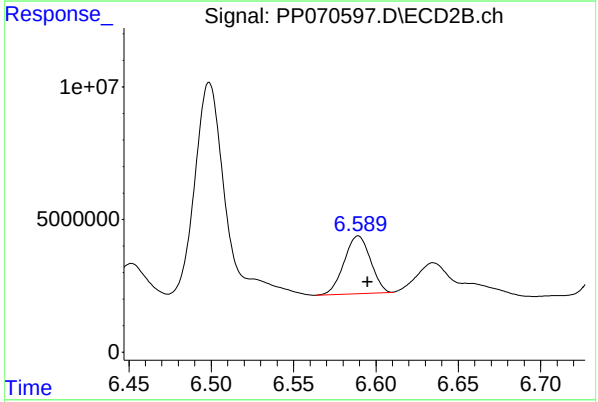
#32 AR-1260-2

R.T.: 7.517 min
Delta R.T.: -0.007 min
Response: 62862364
Conc: 766.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL

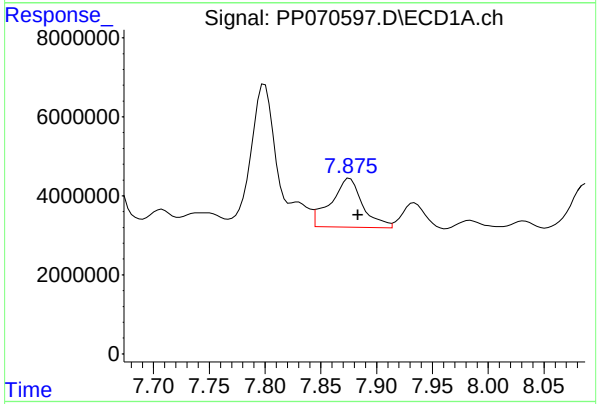
Manual Integrations APPROVED

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



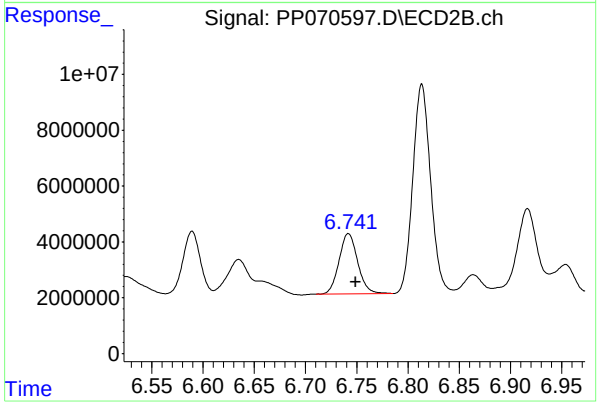
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 24177894
Conc: 365.85 ng/ml



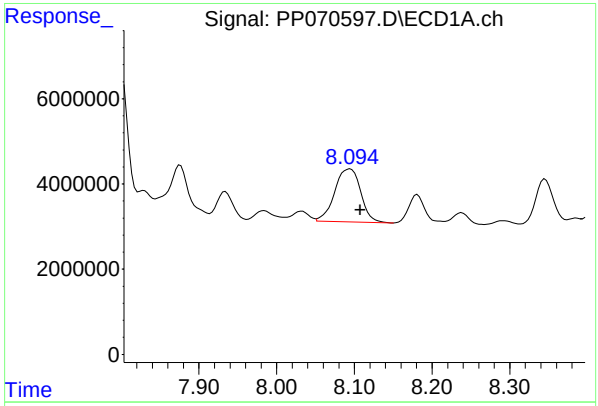
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 24469275
Conc: 372.11 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 27295412
Conc: 477.21 ng/ml



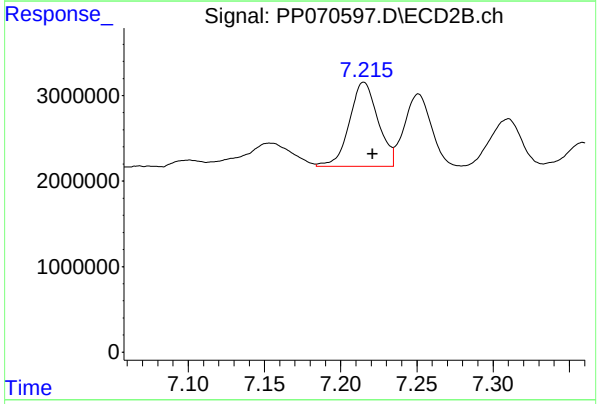
#34 AR-1260-4

R.T.: 8.095 min
Delta R.T.: -0.013 min
Response: 28763360
Conc: 440.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL

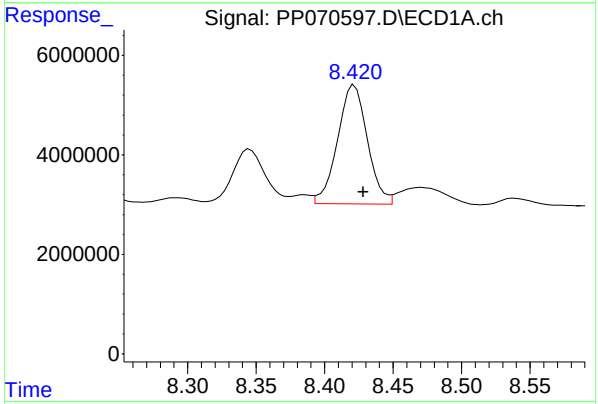
Manual Integrations APPROVED

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



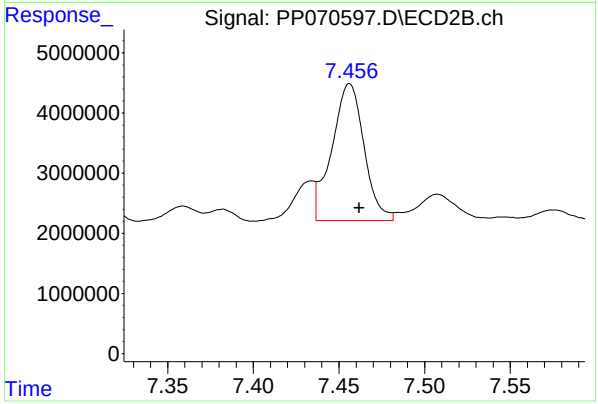
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 12879913
Conc: 251.74 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.007 min
Response: 36259753
Conc: 265.29 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 29692174
Conc: 230.56 ng/ml m

Raw Data: **PP070646.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O18DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-06DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070646.D	50	03/14/25 12:25	03/18/25 10:31	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	1100	UD	260	1100	ug/kg
11104-28-2	Aroclor-1221	1100	UD	265	1100	ug/kg
11141-16-5	Aroclor-1232	1100	UD	244	1100	ug/kg
53469-21-9	Aroclor-1242	1100	UD	264	1100	ug/kg
12672-29-6	Aroclor-1248	13000	D	389	1100	ug/kg
11097-69-1	Aroclor-1254	1100	UD	211	1100	ug/kg
37324-23-5	Aroclor-1262	1100	UD	330	1100	ug/kg
11100-14-4	Aroclor-1268	1100	UD	237	1100	ug/kg
11096-82-5	Aroclor-1260	978	JDP	212	1100	ug/kg
Total PCBs	Total PCBs	14000	D	601	1100	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070646.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:31
Operator : YP\AJ
Sample : Q1572-06DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.910	21551914	16663858	630.985	709.839
22)	L5 AR-1248-2	5.947	5.148	23565258	17003426	555.165	543.181
23)	L5 AR-1248-3	6.149	5.190	27751672	18725778	601.354	590.317
24)	L5 AR-1248-4	6.548	5.362	32040589	23285190	552.507	597.467
25)	L5 AR-1248-5	6.587	5.756	32951994	22580900	613.776	592.882
31)	L7 AR-1260-1	7.268	6.411	3124042	5838303	53.186	117.272m#
32)	L7 AR-1260-2	7.521	6.586	4322620	1957459	52.687	29.619 #
33)	L7 AR-1260-3	7.879	6.740	1202877	2331232	18.293	40.758 #
34)	L7 AR-1260-4	8.102	7.213	1782799	899994	27.284	17.591 #
35)	L7 AR-1260-5	8.425	7.453	1975593	2307364	14.454	17.916m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070646.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:31
Operator : YP\AJ
Sample : Q1572-06DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

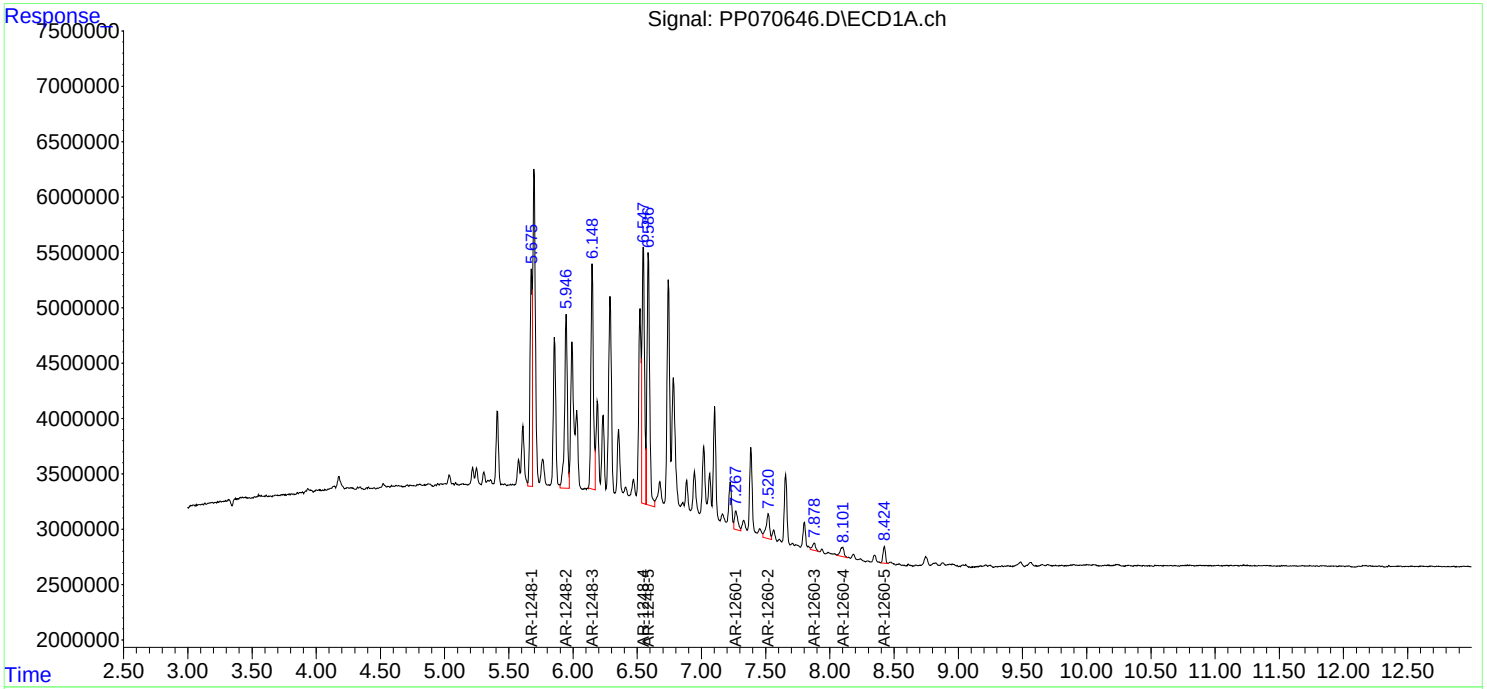
Instrument :
ECD_P
ClientSampleId :
C0O18DL2

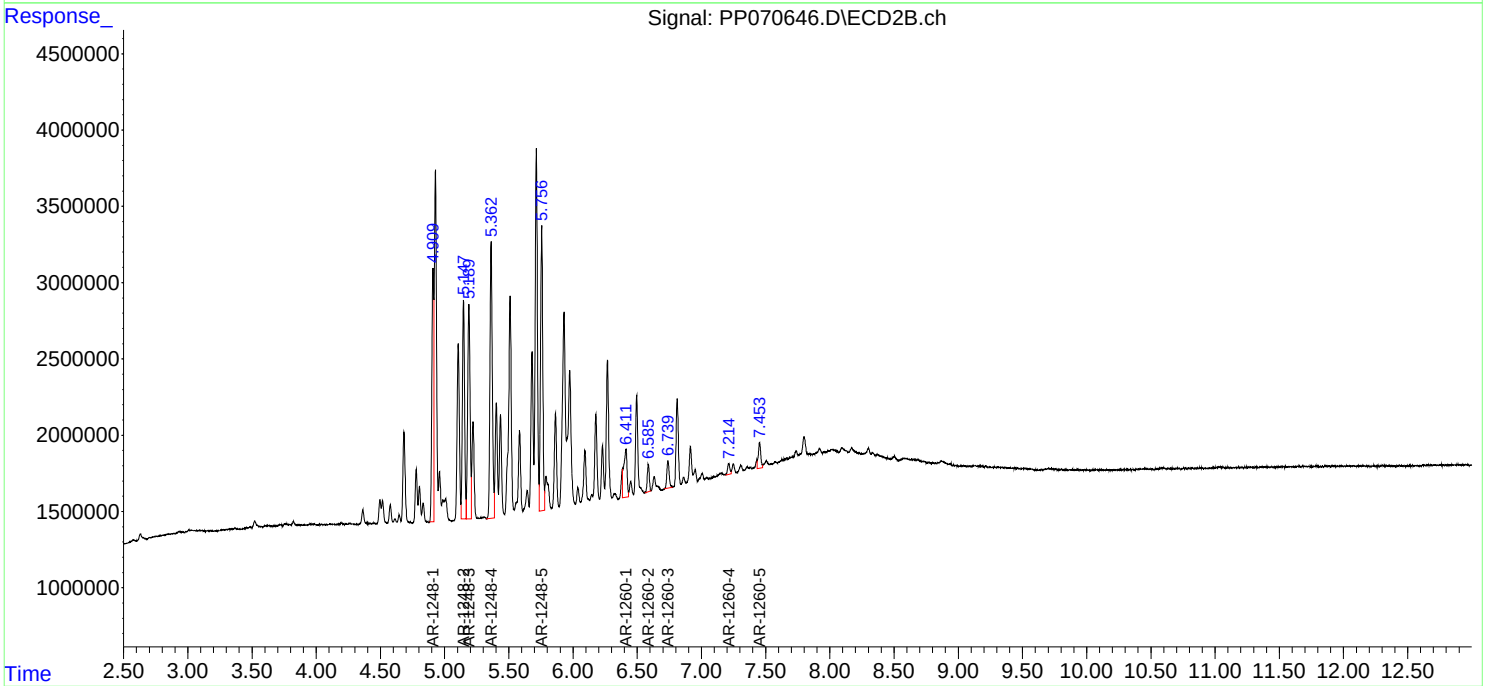
Manual Integrations APPROVED

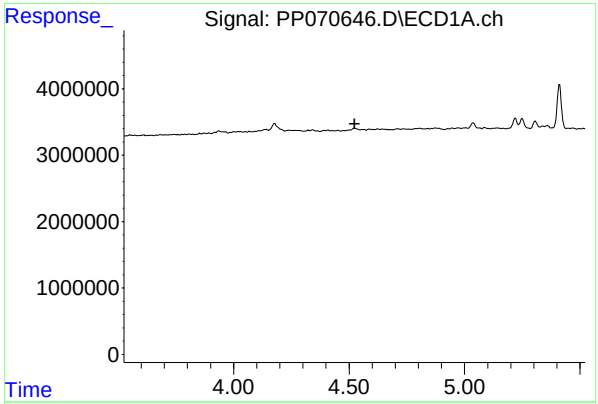
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







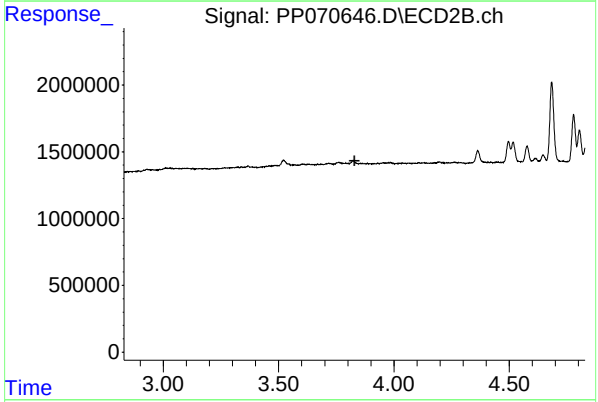
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 4.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

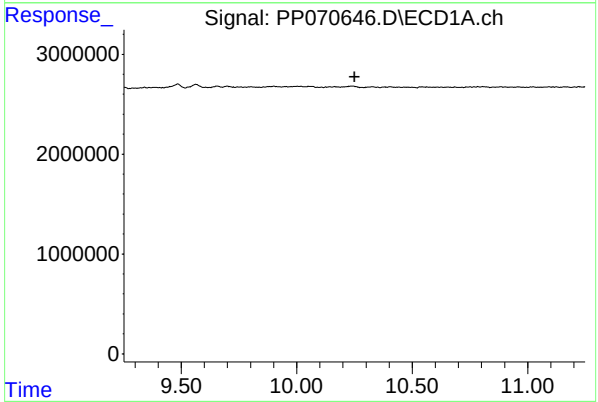
Manual Integrations
APPROVED

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



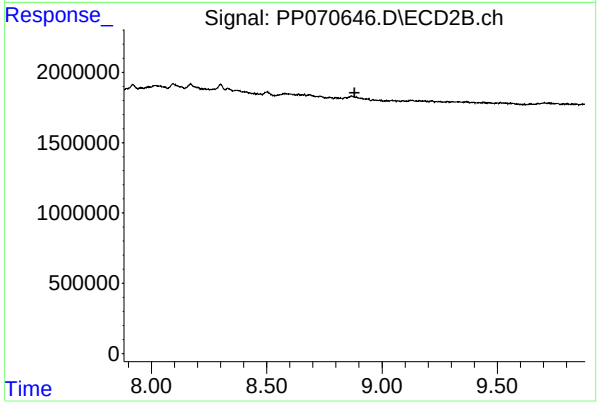
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.829 min
Response: 0
Conc: N.D.



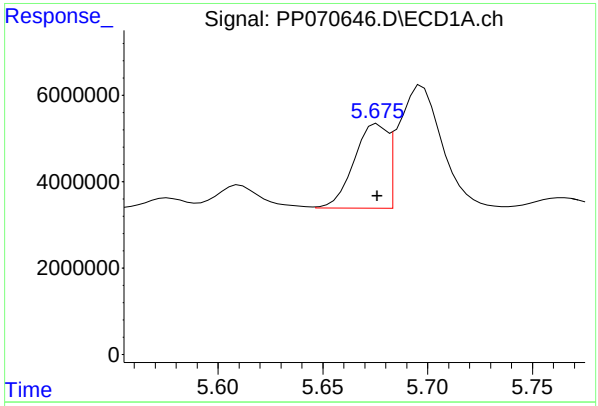
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.252 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.881 min
Response: 0
Conc: N.D.



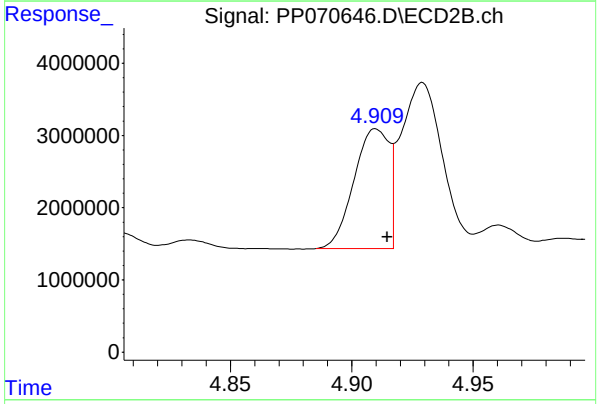
#21 AR-1248-1

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 21551914
Conc: 630.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

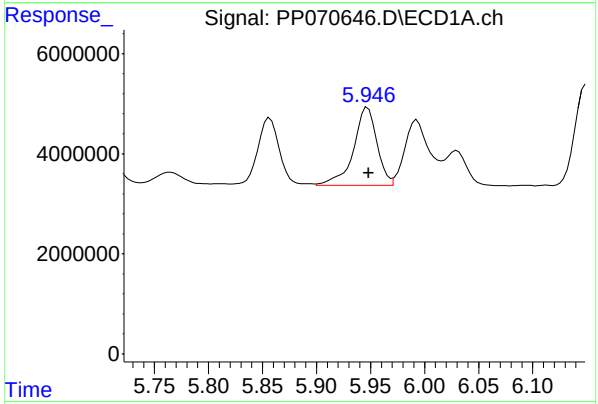
Manual Integrations APPROVED

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



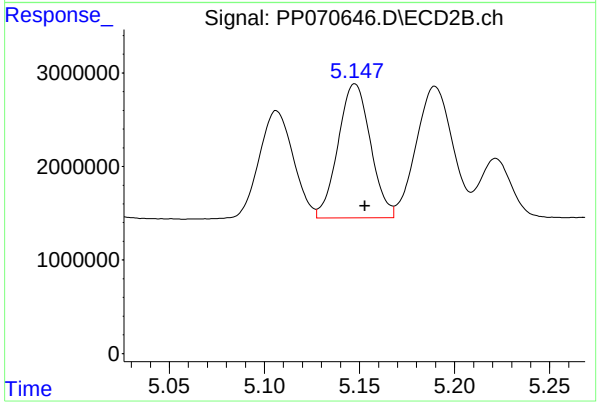
#21 AR-1248-1

R.T.: 4.910 min
Delta R.T.: -0.005 min
Response: 16663858
Conc: 709.84 ng/ml



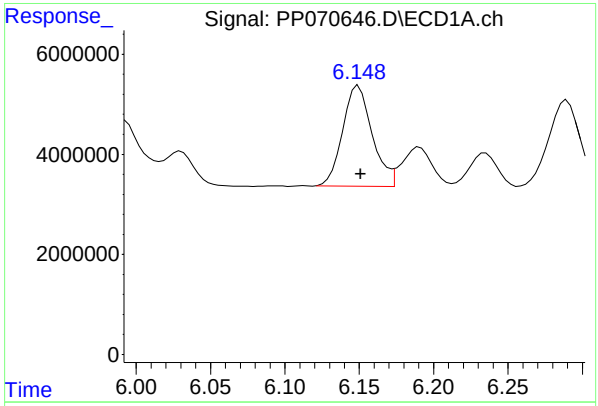
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 23565258
Conc: 555.17 ng/ml



#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 17003426
Conc: 543.18 ng/ml



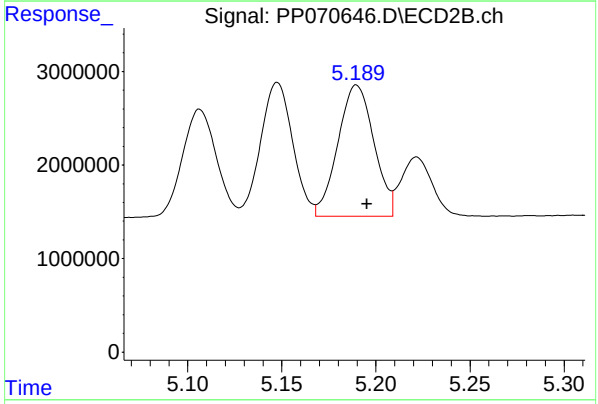
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.001 min
Response: 27751672
Conc: 601.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

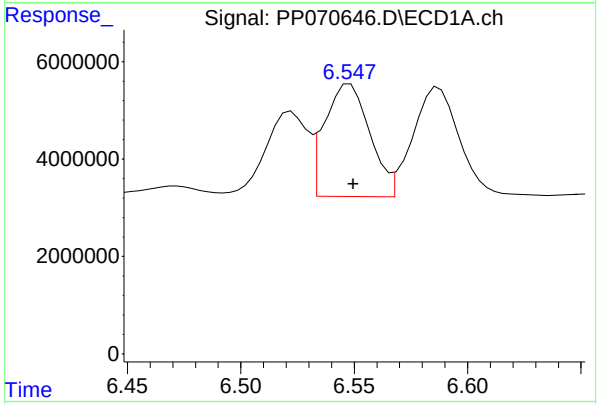
Manual Integrations APPROVED

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



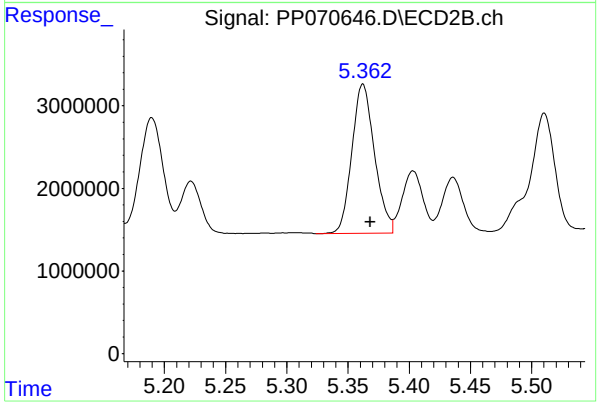
#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.006 min
Response: 18725778
Conc: 590.32 ng/ml



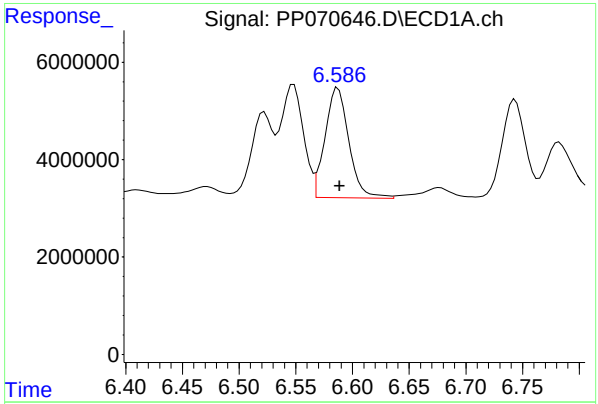
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.001 min
Response: 32040589
Conc: 552.51 ng/ml



#24 AR-1248-4

R.T.: 5.362 min
Delta R.T.: -0.006 min
Response: 23285190
Conc: 597.47 ng/ml



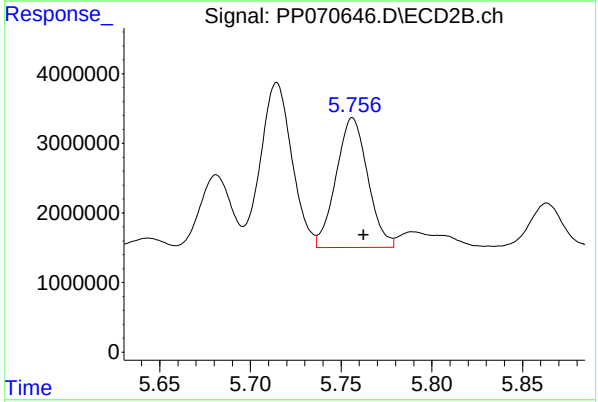
#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.001 min
Response: 32951994
Conc: 613.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

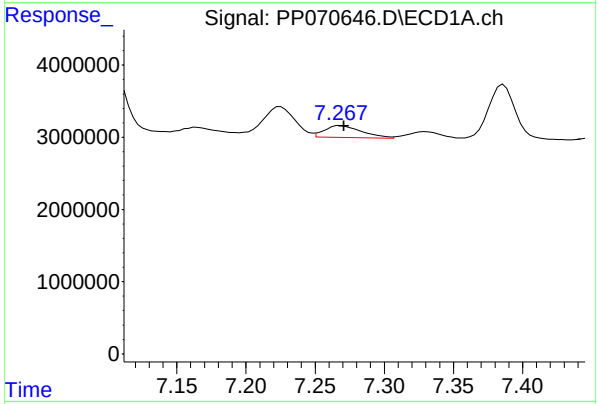
Manual Integrations APPROVED

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



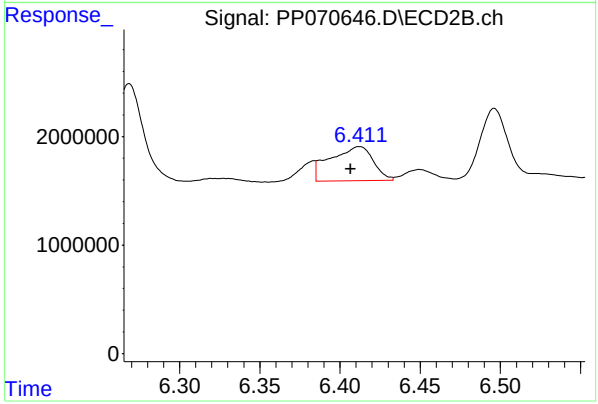
#25 AR-1248-5

R.T.: 5.756 min
Delta R.T.: -0.006 min
Response: 22580900
Conc: 592.88 ng/ml



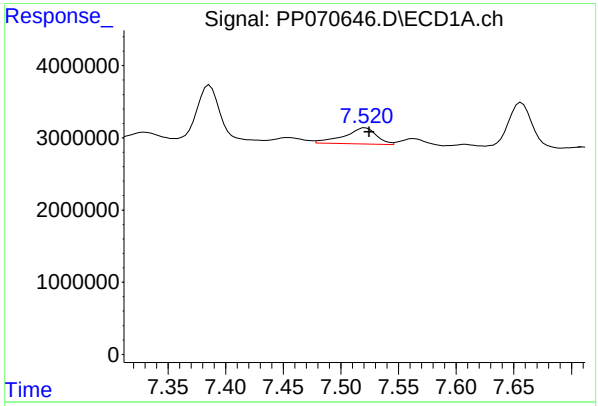
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 3124042
Conc: 53.19 ng/ml



#31 AR-1260-1

R.T.: 6.411 min
Delta R.T.: 0.005 min
Response: 5838303
Conc: 117.27 ng/ml m



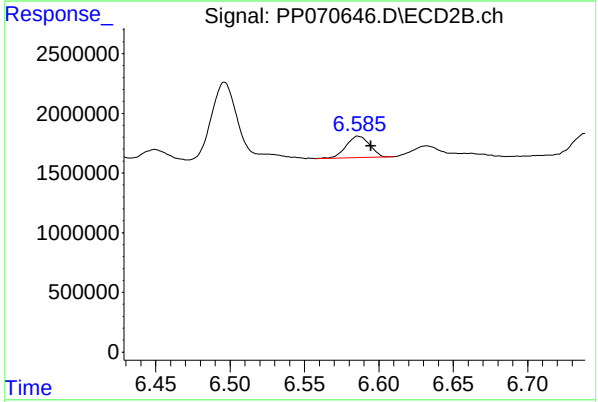
#32 AR-1260-2

R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 4322620
Conc: 52.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

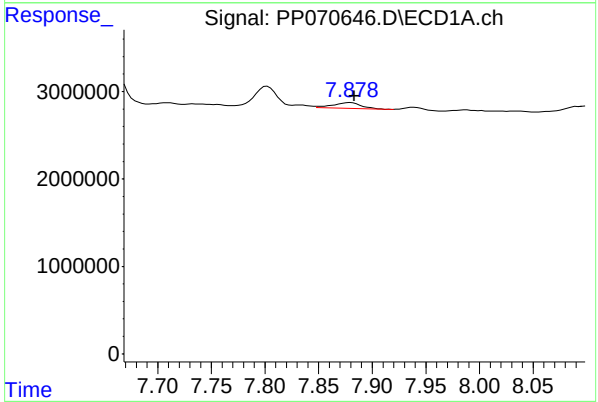
Manual Integrations APPROVED

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



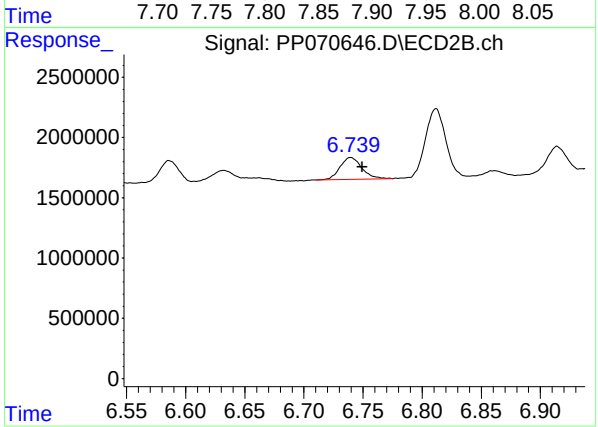
#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 1957459
Conc: 29.62 ng/ml



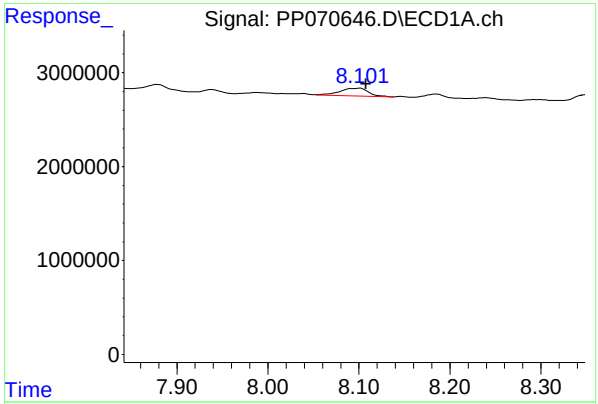
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 1202877
Conc: 18.29 ng/ml



#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 2331232
Conc: 40.76 ng/ml



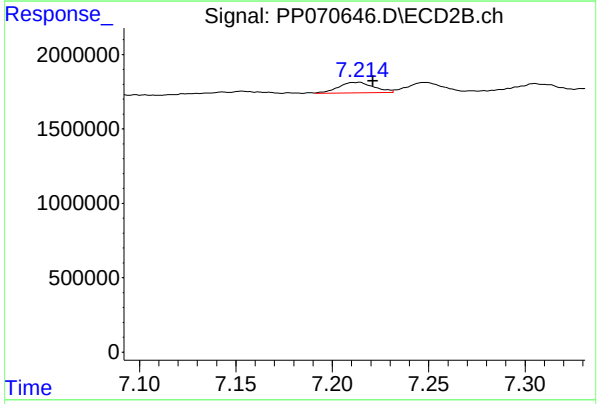
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 mi
Response: 1782799
Conc: 27.28 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18DL2

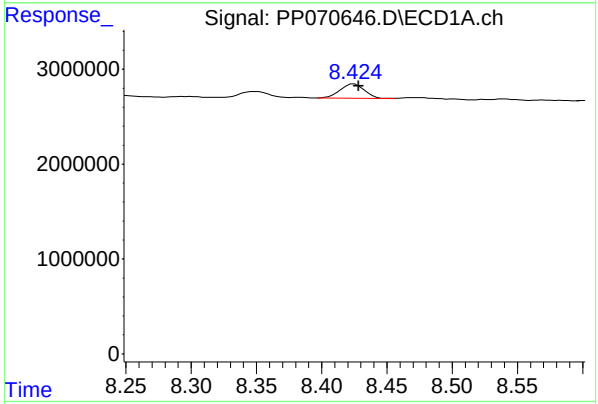
Manual Integrations APPROVED

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



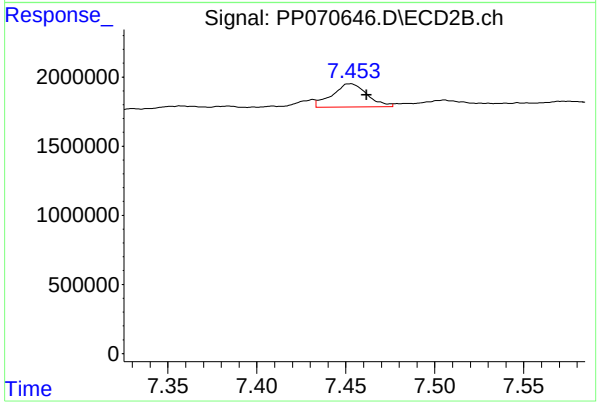
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 899994
Conc: 17.59 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.003 min
Response: 1975593
Conc: 14.45 ng/ml



#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 2307364
Conc: 17.92 ng/ml m

Raw Data: **PP070557.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O19	SDG No.:	Q1572
Lab Sample ID:	Q1572-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	69.1 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070557.D	1	03/14/25 12:25	03/15/25 01:02	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	24.6	U	5.70	24.6	ug/kg
11104-28-2	Aroclor-1221	24.6	U	5.80	24.6	ug/kg
11141-16-5	Aroclor-1232	24.6	U	5.40	24.6	ug/kg
53469-21-9	Aroclor-1242	24.6	U	5.80	24.6	ug/kg
12672-29-6	Aroclor-1248	2600	E	8.60	24.6	ug/kg
11097-69-1	Aroclor-1254	24.6	U	4.60	24.6	ug/kg
37324-23-5	Aroclor-1262	24.6	U	7.30	24.6	ug/kg
11100-14-4	Aroclor-1268	24.6	U	5.20	24.6	ug/kg
11096-82-5	Aroclor-1260	308		4.70	24.6	ug/kg
Total PCBs	Total PCBs	3000		13.3	24.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	28.4		32 - 175	142%	SPK: 20

Comments:

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

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

Sample Results: **PP070557.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 01:02
Operator : YP\AJ
Sample : Q1572-07
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O19

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:01:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.522	3.826	25072199	17577398	16.120	17.537	
2)	SA Decachlor...	10.240	8.865	10952267	27778328	10.310	28.393	#
	Target Compounds							
21)	L5 AR-1248-1	5.674	4.913	95327503	86010588	2790.948m	3663.840m	#
22)	L5 AR-1248-2	5.945	5.150	291.7E6	191.5E6	6872.910	6117.137	
23)	L5 AR-1248-3	6.147	5.192	282.9E6	198.3E6	6131.085m	6252.155	
24)	L5 AR-1248-4	6.546	5.365	331.8E6	212.9E6	5721.410	5462.648	
25)	L5 AR-1248-5	6.585	5.758	319.7E6	219.0E6	5954.098	5749.790	
31)	L7 AR-1260-1	7.267	6.413	47746932	74120159	812.877	1488.824m	#
32)	L7 AR-1260-2	7.519	6.589	90813924	30838189	1106.906	466.627	#
33)	L7 AR-1260-3	7.877	6.742	26597193	31018643	404.473	542.309	#
34)	L7 AR-1260-4	8.097	7.216	34839597	17765481	533.182	347.229	#
35)	L7 AR-1260-5	8.422	7.455	46319210	43426578	338.894	337.201	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 01:02
Operator : YP\AJ
Sample : Q1572-07
Misc :
ALS Vial : 44 Sample Multiplier: 1

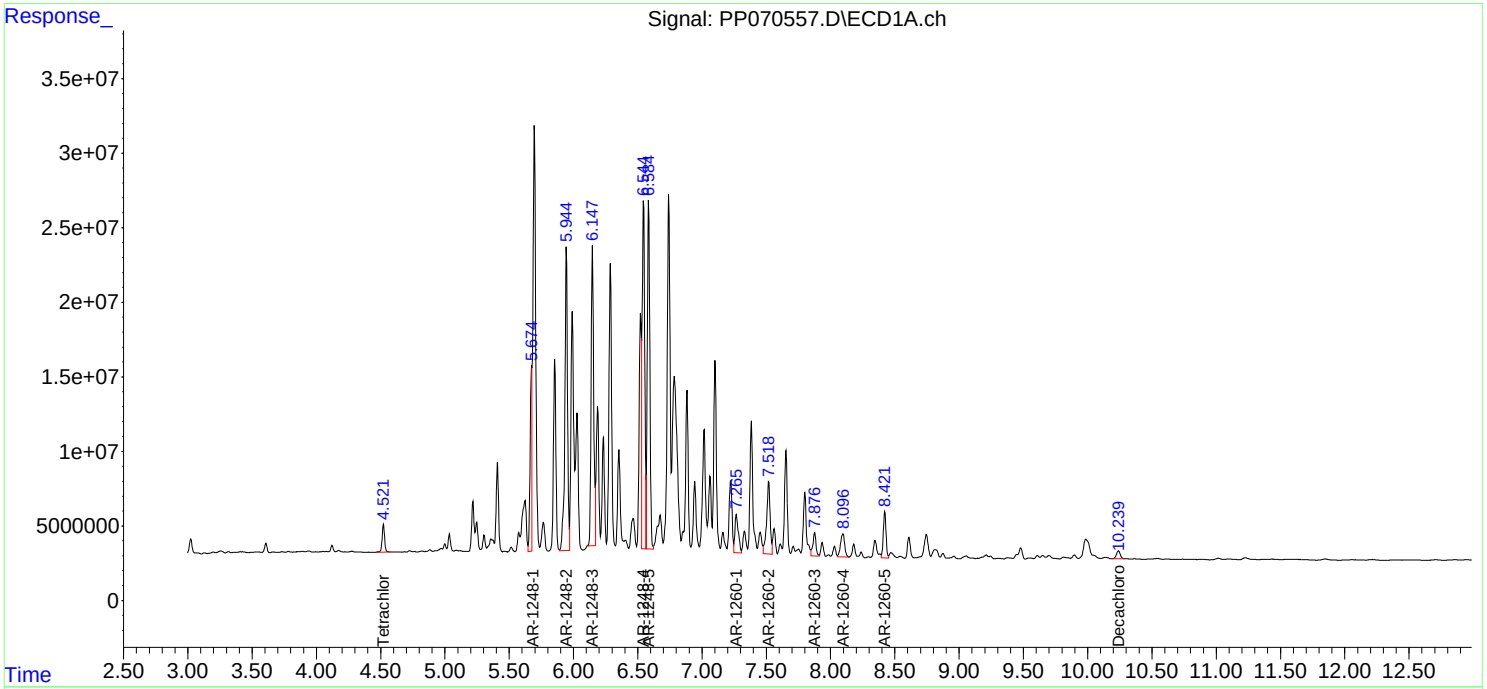
Instrument :
ECD_P
ClientSampleId :
C0O19

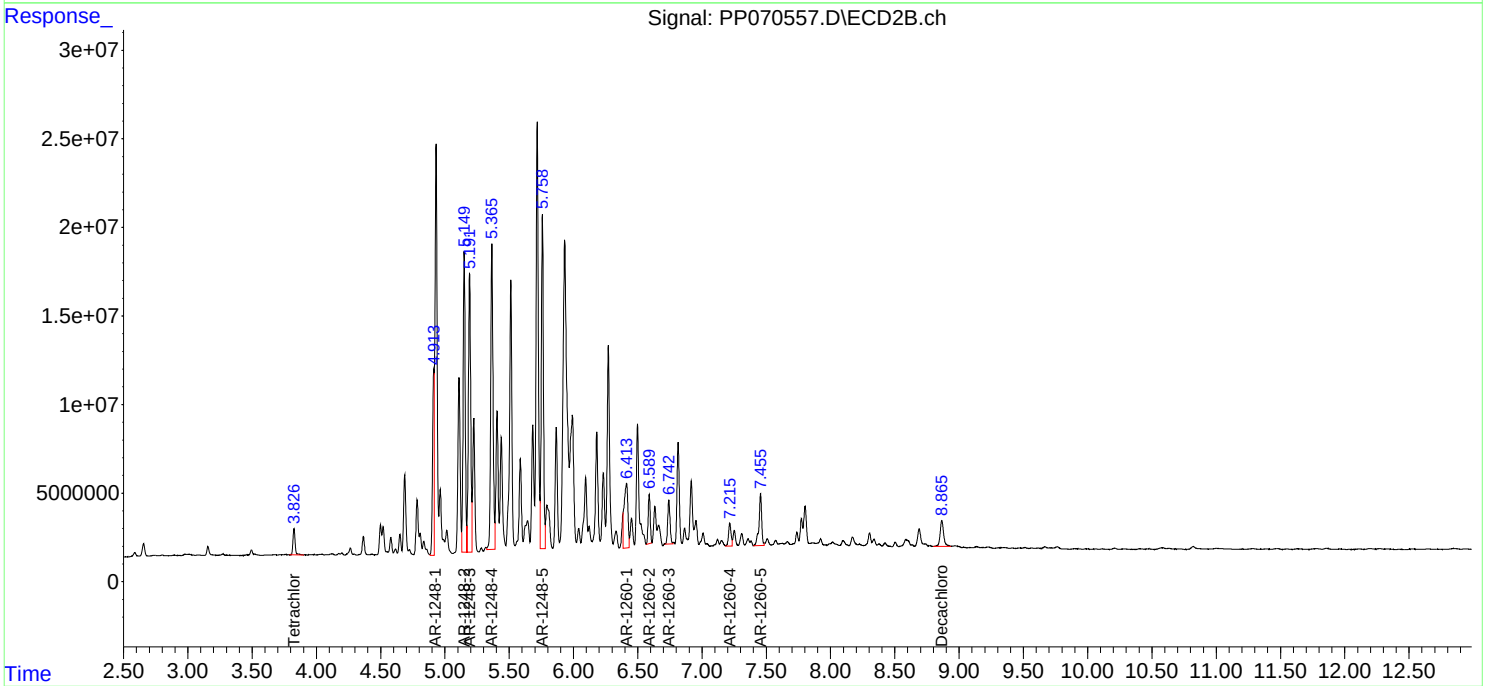
Manual Integrations APPROVED

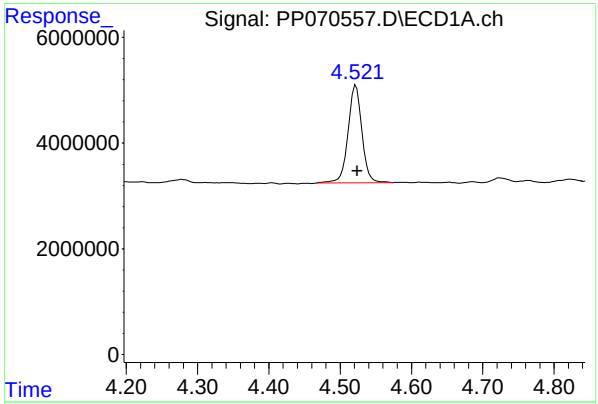
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:01:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







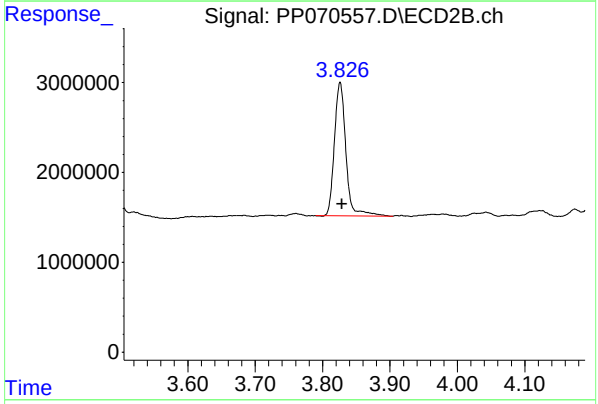
#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 mi
Response: 25072199
Conc: 16.12 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O19

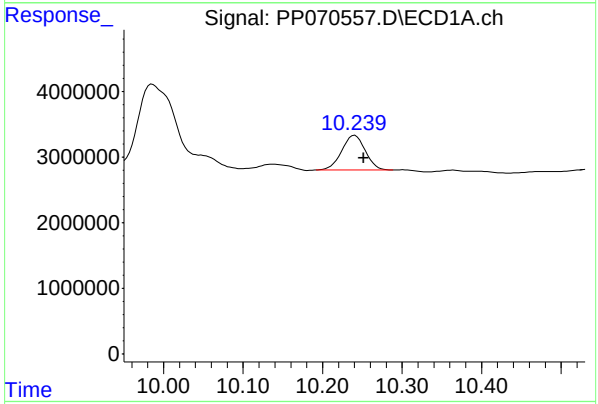
Manual Integrations
APPROVED

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



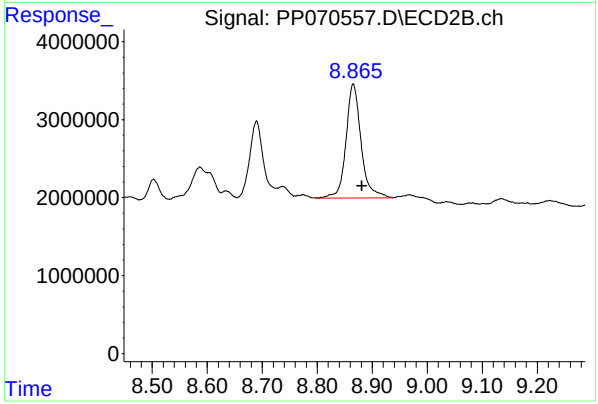
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 17577398
Conc: 17.54 ng/ml



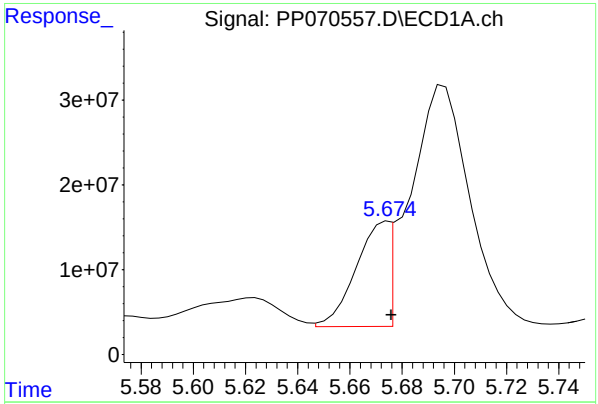
#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.011 min
Response: 10952267
Conc: 10.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.865 min
Delta R.T.: -0.016 min
Response: 27778328
Conc: 28.39 ng/ml



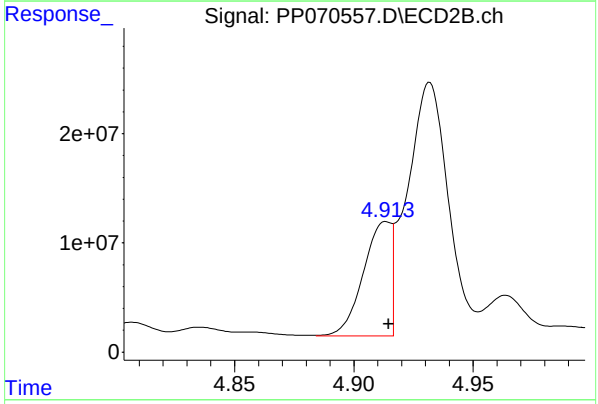
#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 95327503
Conc: 2790.95 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O19

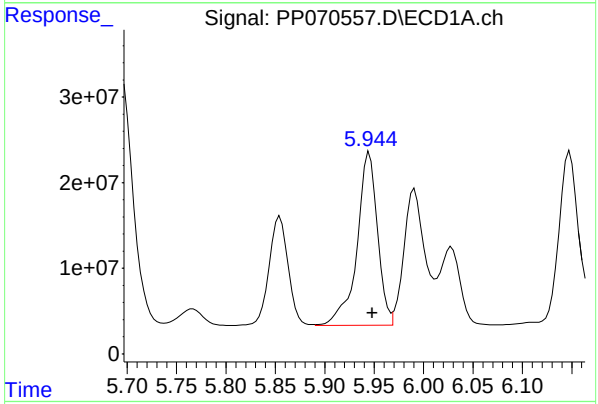
Manual Integrations
APPROVED

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



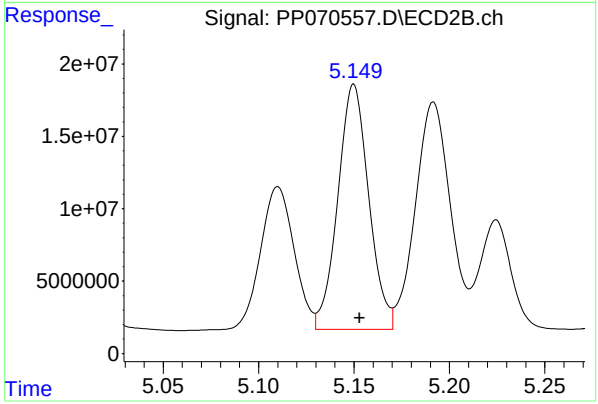
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 86010588
Conc: 3663.84 ng/ml m



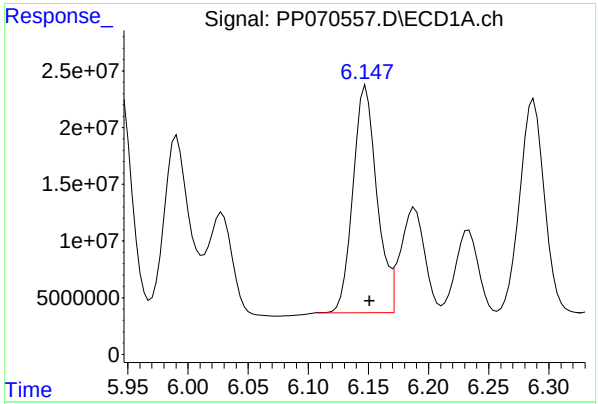
#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 291736237
Conc: 6872.91 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 191487478
Conc: 6117.14 ng/ml



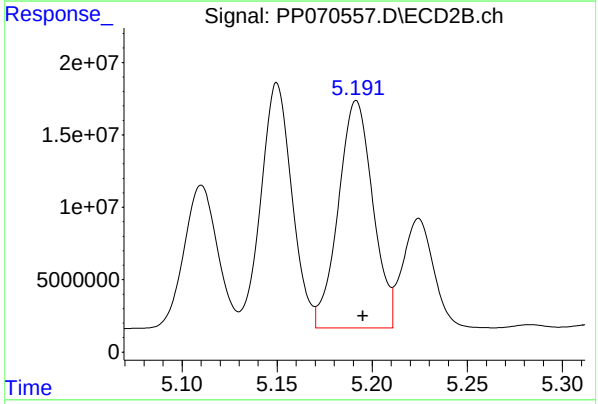
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 282941271
Conc: 6131.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19

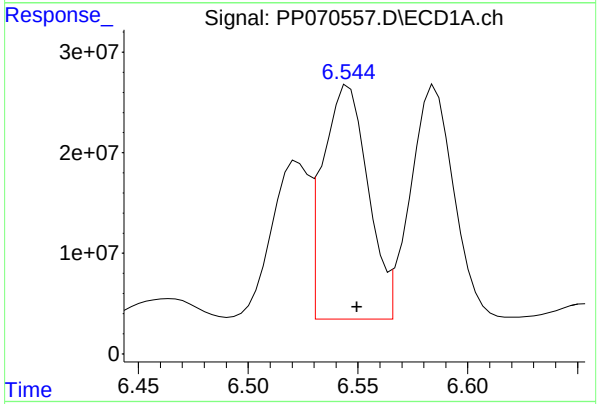
Manual Integrations
APPROVED

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



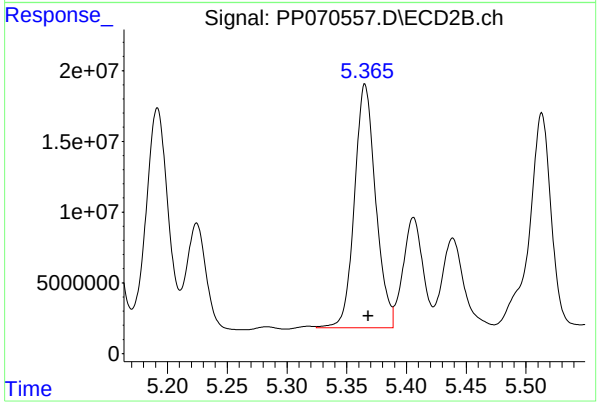
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.004 min
Response: 198328183
Conc: 6252.15 ng/ml



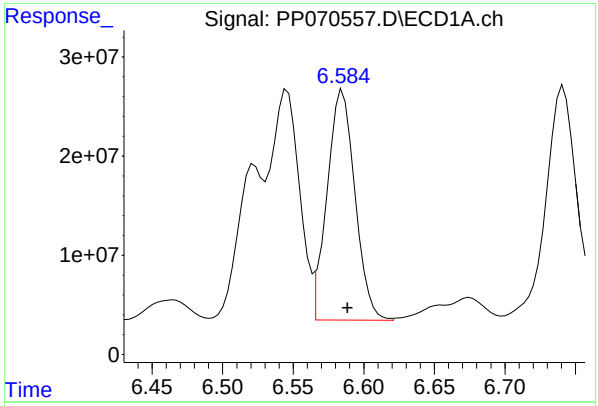
#24 AR-1248-4

R.T.: 6.546 min
Delta R.T.: -0.004 min
Response: 331791783
Conc: 5721.41 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 212896702
Conc: 5462.65 ng/ml



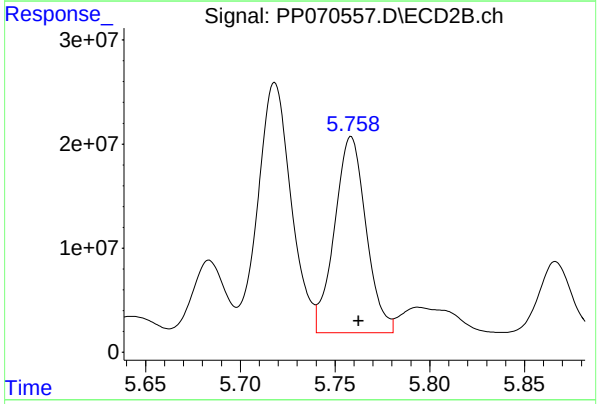
#25 AR-1248-5

R.T.: 6.585 min
Delta R.T.: -0.004 min
Response: 319659798
Conc: 5954.10 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O19

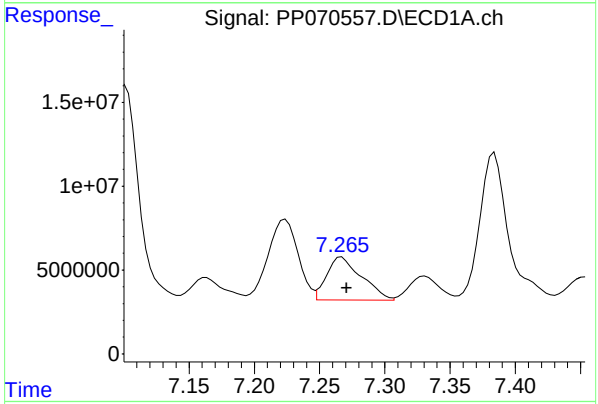
Manual Integrations
APPROVED

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



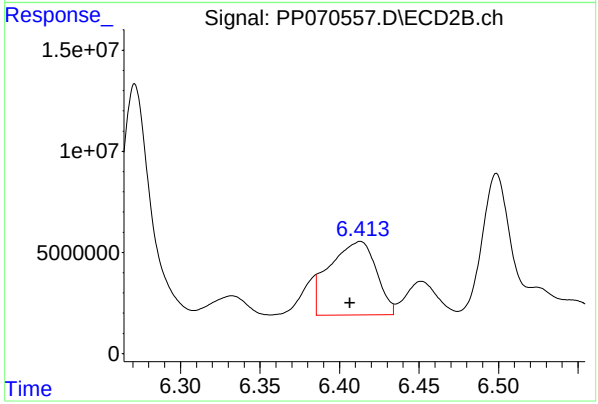
#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 218990417
Conc: 5749.79 ng/ml



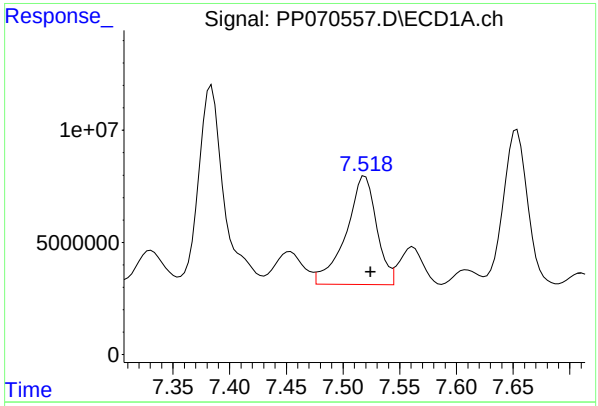
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 47746932
Conc: 812.88 ng/ml



#31 AR-1260-1

R.T.: 6.413 min
Delta R.T.: 0.006 min
Response: 74120159
Conc: 1488.82 ng/ml m



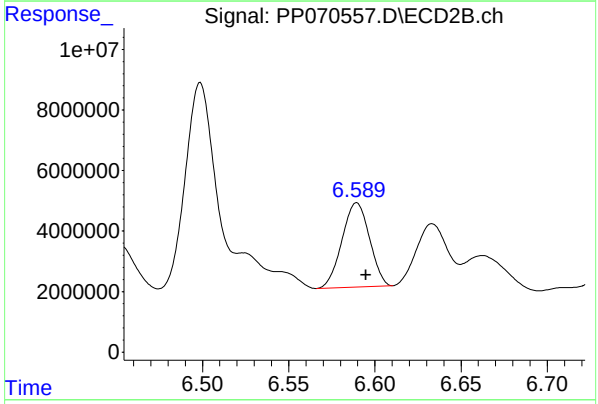
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 mi
Response: 90813924
Conc: 1106.91 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O19

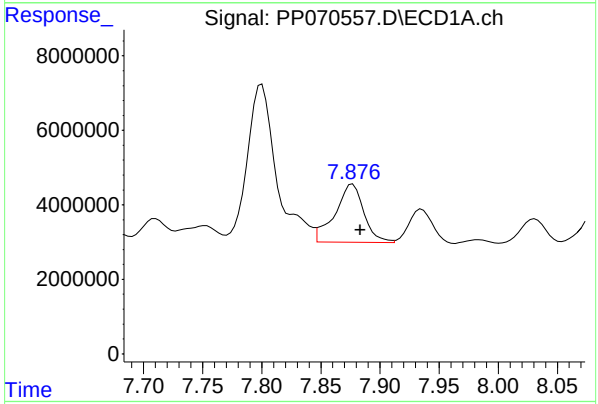
Manual Integrations
APPROVED

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



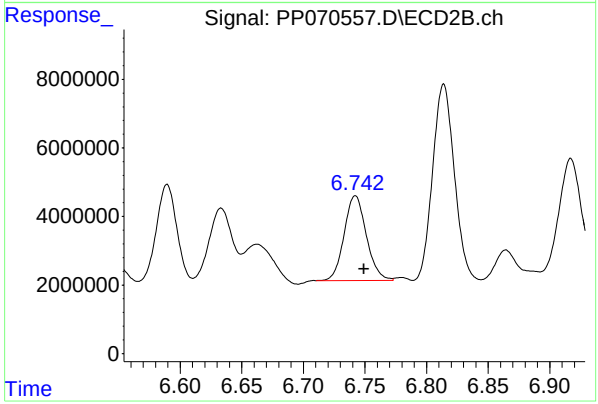
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 30838189
Conc: 466.63 ng/ml



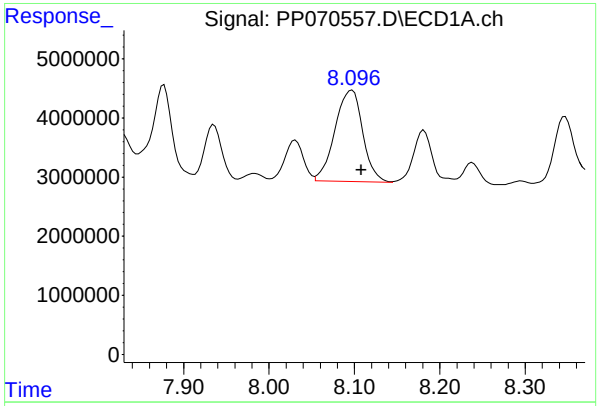
#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.006 min
Response: 26597193
Conc: 404.47 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 31018643
Conc: 542.31 ng/ml



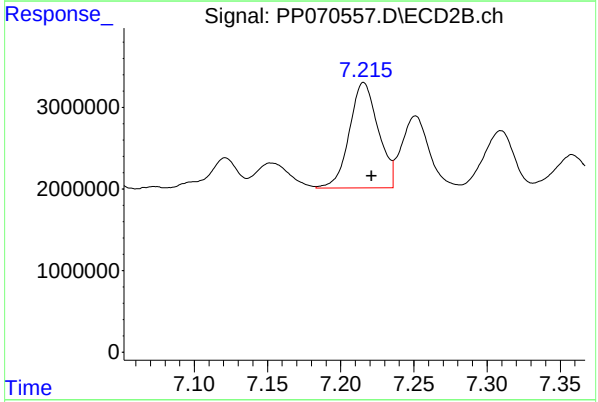
#34 AR-1260-4

R.T.: 8.097 min
Delta R.T.: -0.010 min
Response: 34839597
Conc: 533.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19

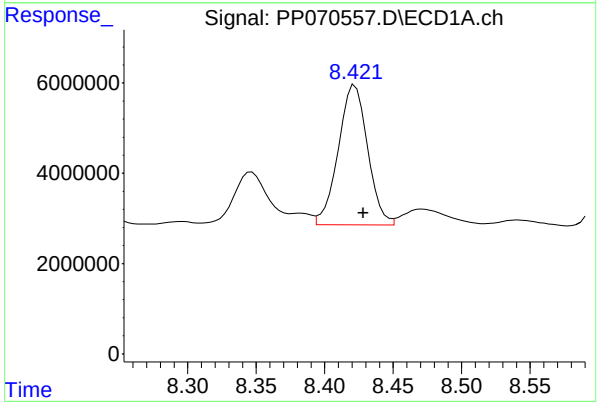
Manual Integrations
APPROVED

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



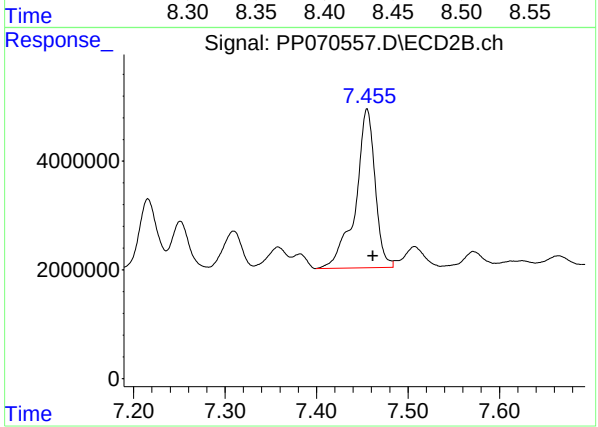
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 17765481
Conc: 347.23 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 46319210
Conc: 338.89 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 43426578
Conc: 337.20 ng/ml

Raw Data: **PP070596.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O19DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-07DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	69.1 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070596.D	10	03/14/25 12:25	03/17/25 15:54	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	246	UD	57.1	246	ug/kg
11104-28-2	Aroclor-1221	246	UD	58.3	246	ug/kg
11141-16-5	Aroclor-1232	246	UD	53.8	246	ug/kg
53469-21-9	Aroclor-1242	246	UD	58.0	246	ug/kg
12672-29-6	Aroclor-1248	3700	D	85.6	246	ug/kg
11097-69-1	Aroclor-1254	246	UD	46.4	246	ug/kg
37324-23-5	Aroclor-1262	246	UD	72.6	246	ug/kg
11100-14-4	Aroclor-1268	246	UD	52.1	246	ug/kg
11096-82-5	Aroclor-1260	482	DP	46.7	246	ug/kg
Total PCBs	Total PCBs	4200	D	132	246	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	32.5		32 - 175	163%	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: **PP070596.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:54
Operator : YP\AJ
Sample : Q1572-07DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O19DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.523	3.826	3044528	2103776	1.957	2.099	
2)	SA Decachlor...	10.247	8.867	1299520	3178640	1.223	3.249	#
	Target Compounds							
21)	L5 AR-1248-1	5.674	4.913	16407888	10982964	480.381m	467.847m	
22)	L5 AR-1248-2	5.947	5.150	38977398	28429127	918.255	908.179	
23)	L5 AR-1248-3	6.149	5.192	35440286	28937200	767.959	912.225	
24)	L5 AR-1248-4	6.548	5.365	43708614	30866537	753.710	791.994	
25)	L5 AR-1248-5	6.587	5.759	41978236	29712074	781.902	780.117	
31)	L7 AR-1260-1	7.269	6.412	5723774	12268096	97.445	246.425	#
32)	L7 AR-1260-2	7.522	6.589	10848311	4509467	132.227	68.235	#
33)	L7 AR-1260-3	7.880	6.742	2878488	4640440	43.774	81.130	#
34)	L7 AR-1260-4	8.100	7.215	4317413	2704825	66.073	52.866	
35)	L7 AR-1260-5	8.425	7.456	5584603	6552737	40.860	50.881	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:54
Operator : YP\AJ
Sample : Q1572-07DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

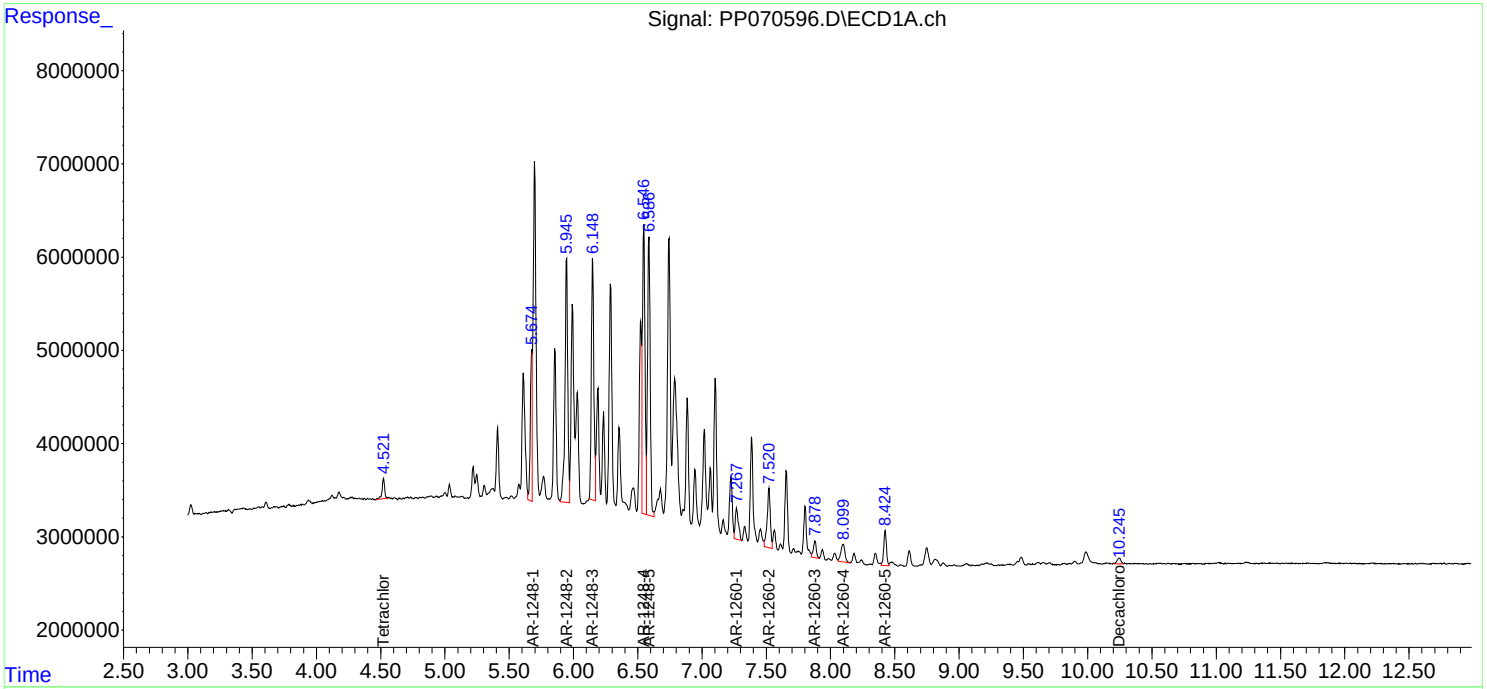
Instrument :
ECD_P
ClientSampleId :
C0O19DL

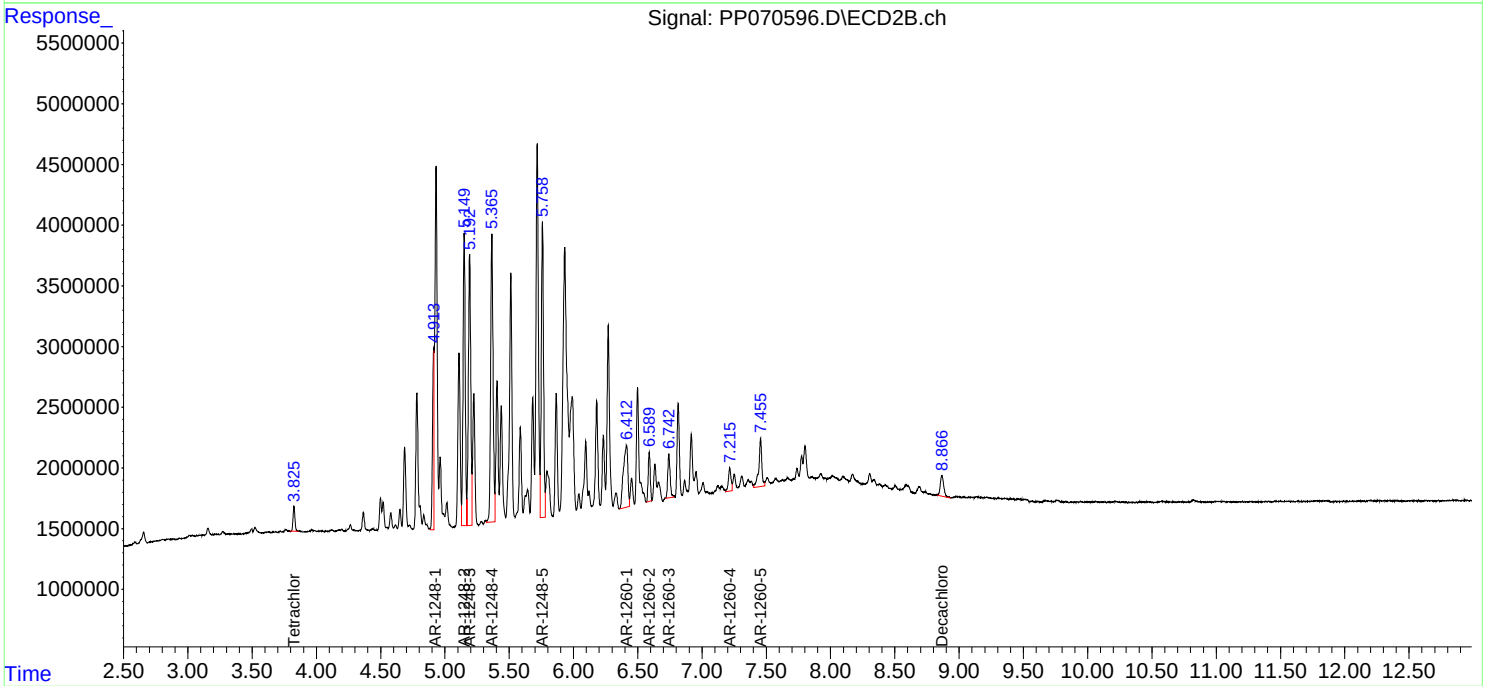
Manual Integrations APPROVED

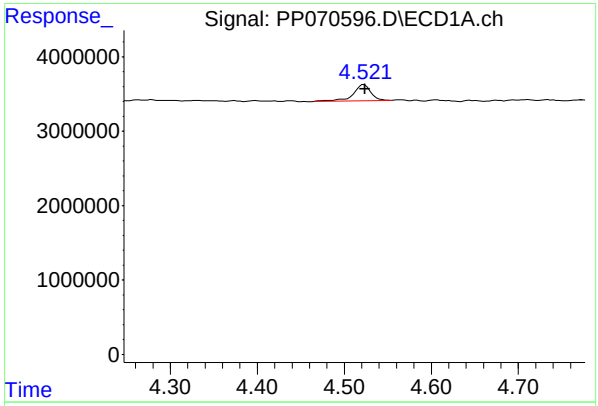
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







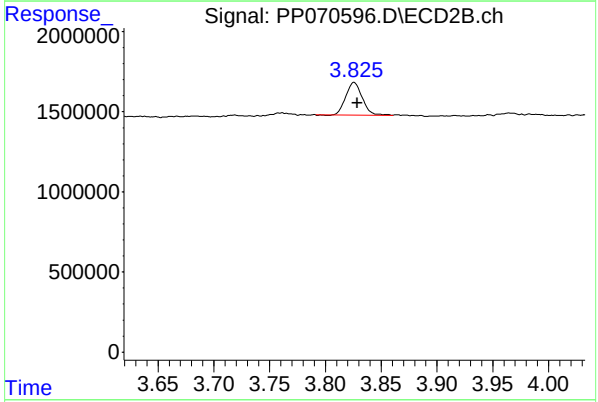
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.001 min
Response: 3044528
Conc: 1.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19DL

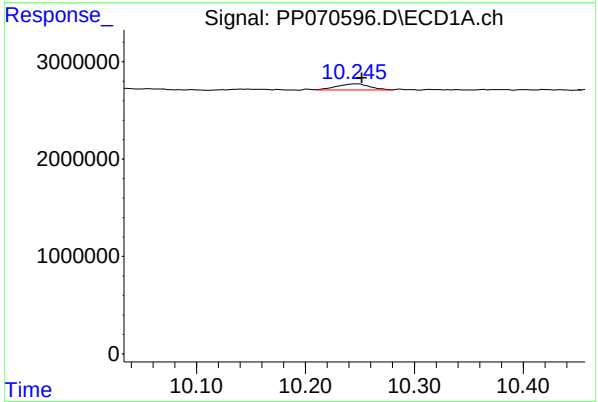
Manual Integrations
APPROVED

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



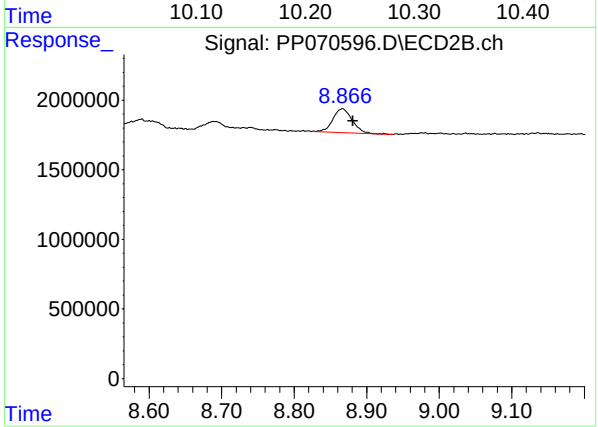
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 2103776
Conc: 2.10 ng/ml



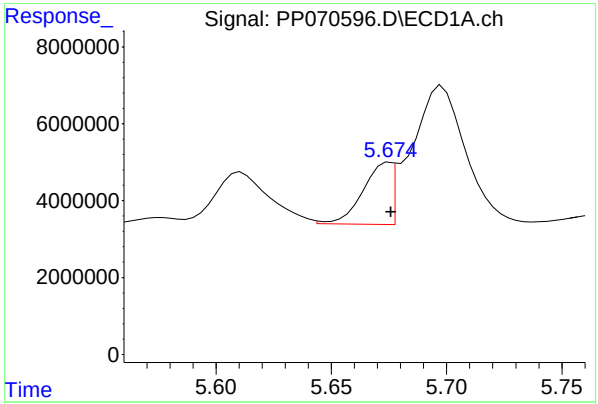
#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.004 min
Response: 1299520
Conc: 1.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.867 min
Delta R.T.: -0.015 min
Response: 3178640
Conc: 3.25 ng/ml



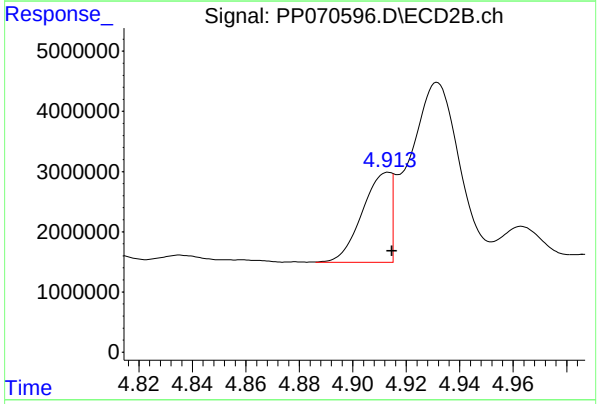
#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.001 min
Response: 16407888
Conc: 480.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19DL

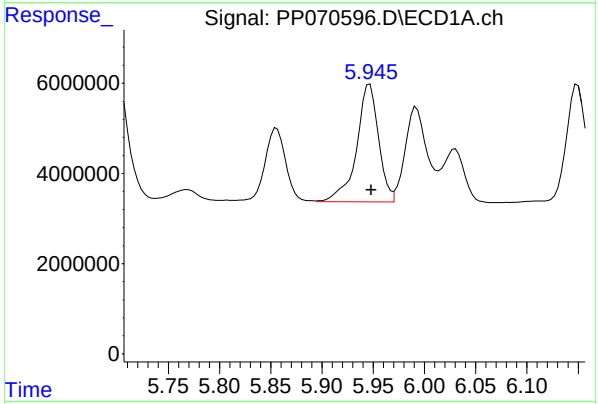
Manual Integrations APPROVED

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



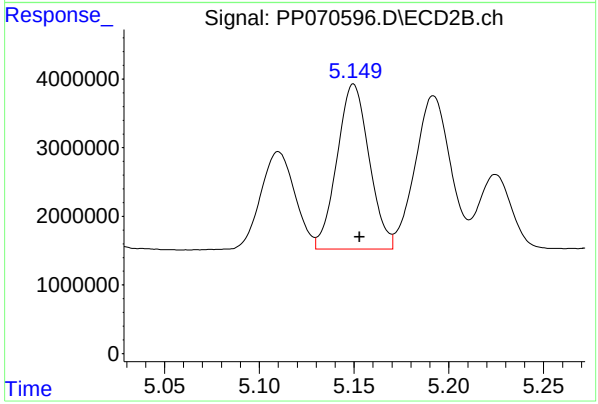
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 10982964
Conc: 467.85 ng/ml m



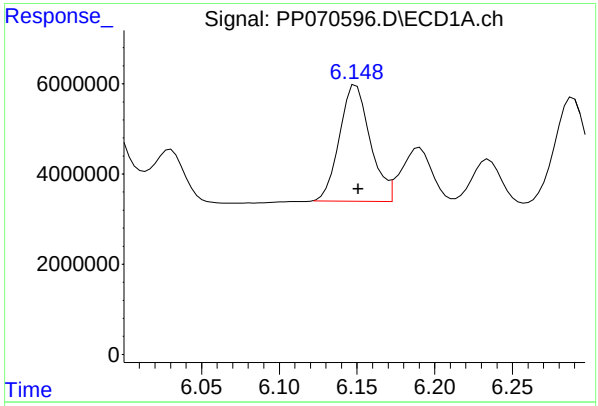
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 38977398
Conc: 918.25 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 28429127
Conc: 908.18 ng/ml



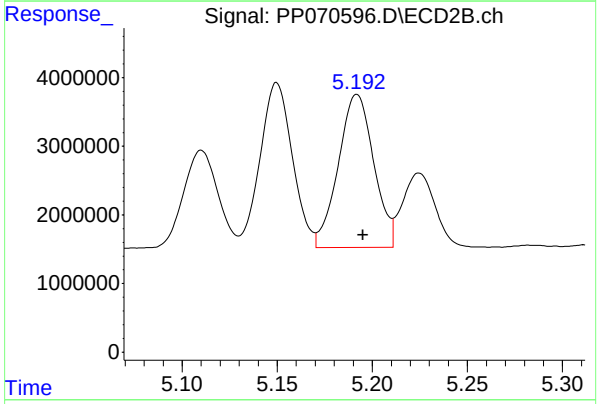
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.001 min
Response: 35440286
Conc: 767.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19DL

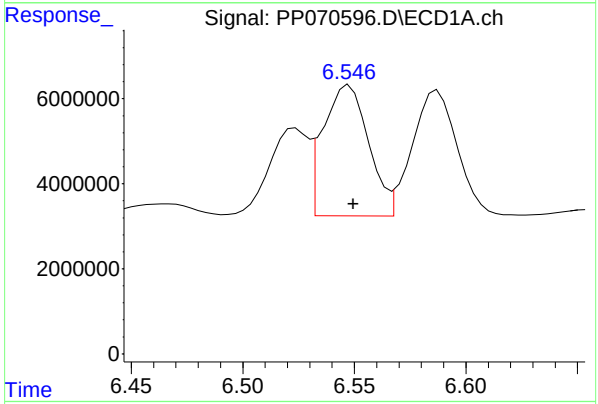
Manual Integrations APPROVED

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



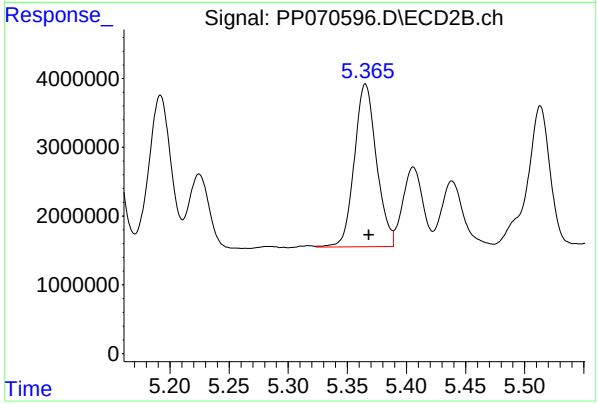
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 28937200
Conc: 912.22 ng/ml



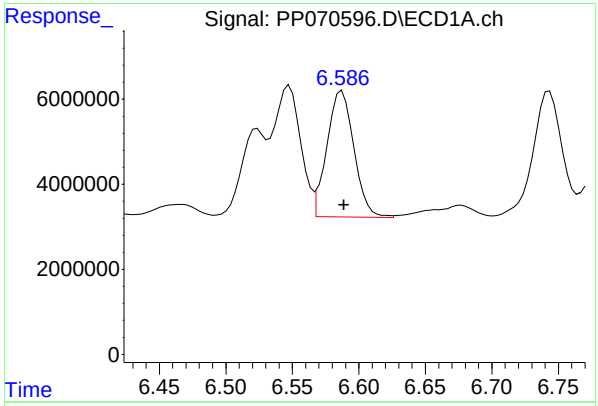
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.002 min
Response: 43708614
Conc: 753.71 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 30866537
Conc: 791.99 ng/ml



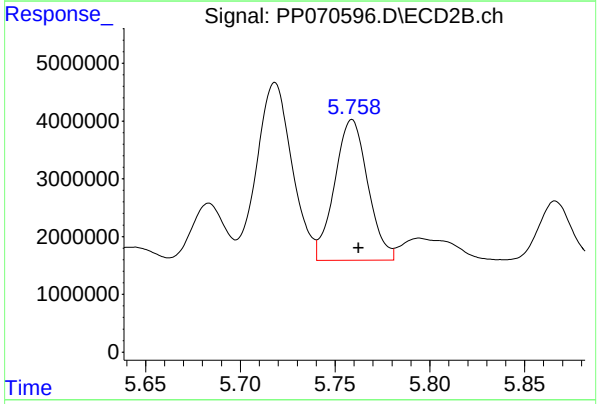
#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.001 min
Response: 41978236
Conc: 781.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19DL

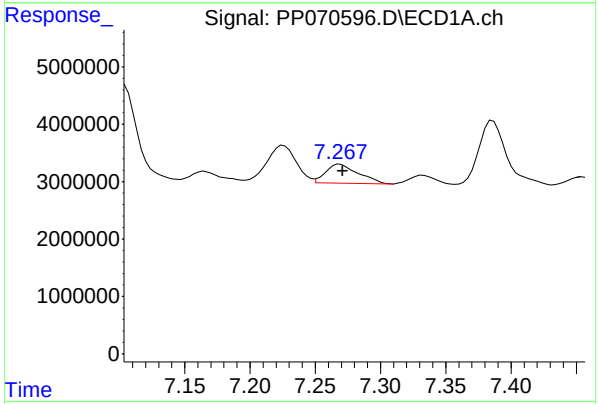
Manual Integrations APPROVED

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



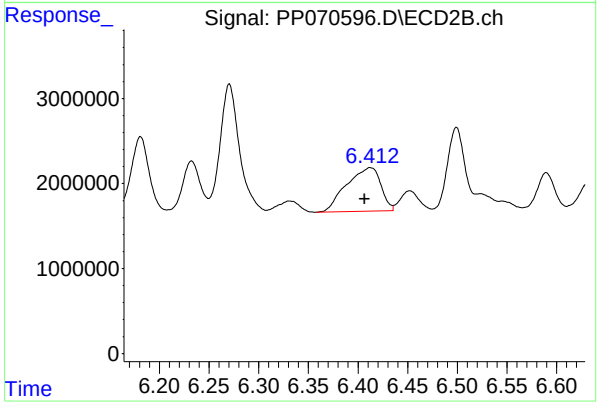
#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 29712074
Conc: 780.12 ng/ml



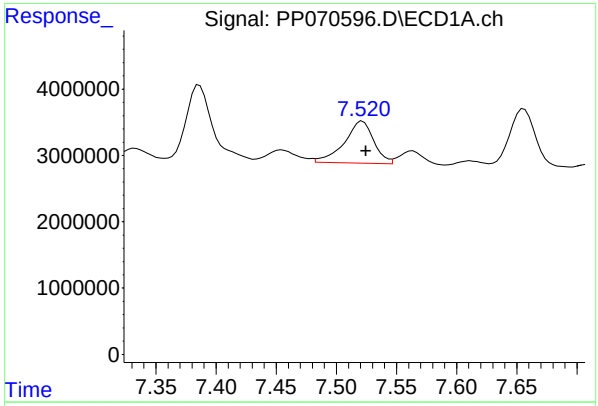
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.002 min
Response: 5723774
Conc: 97.45 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: 0.006 min
Response: 12268096
Conc: 246.42 ng/ml



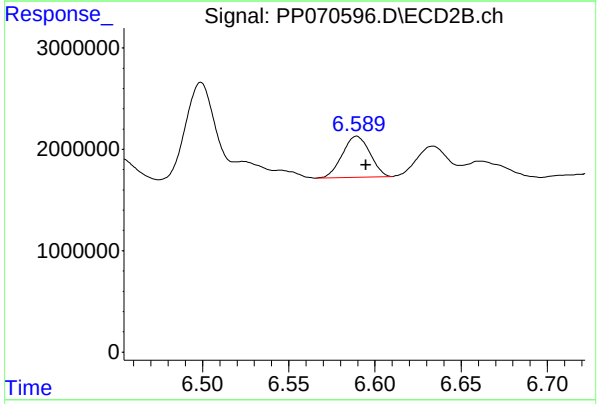
#32 AR-1260-2

R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 10848311
Conc: 132.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19DL

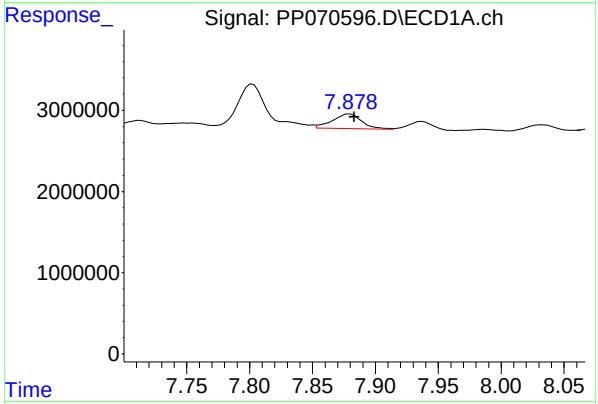
Manual Integrations
APPROVED

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



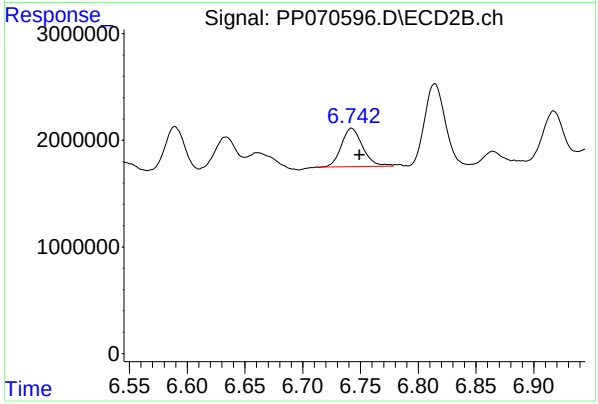
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 4509467
Conc: 68.23 ng/ml



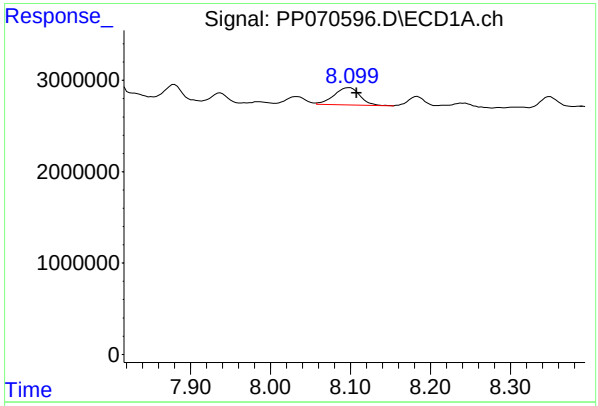
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.004 min
Response: 2878488
Conc: 43.77 ng/ml



#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 4640440
Conc: 81.13 ng/ml



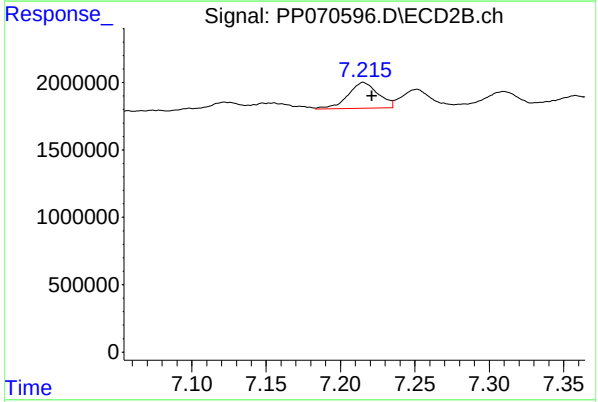
#34 AR-1260-4

R.T.: 8.100 min
Delta R.T.: -0.008 min
Response: 4317413
Conc: 66.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O19DL

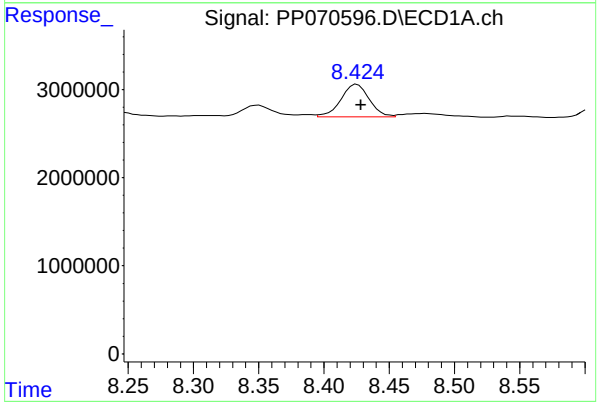
Manual Integrations APPROVED

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



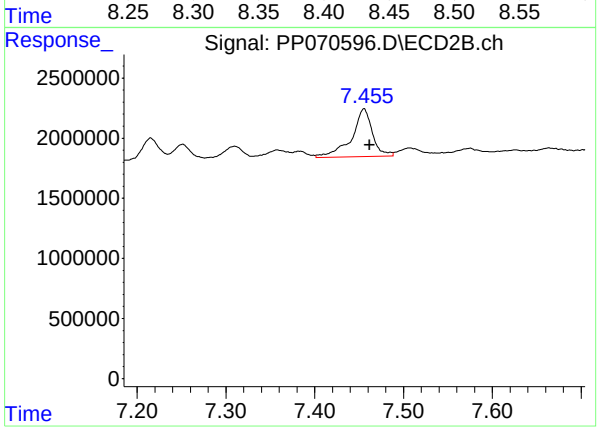
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 2704825
Conc: 52.87 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.003 min
Response: 5584603
Conc: 40.86 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 6552737
Conc: 50.88 ng/ml

Raw Data: **PP070566.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O20	SDG No.:	Q1572
Lab Sample ID:	Q1572-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070566.D	1	03/14/25 12:25	03/15/25 04:01	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	22.7	U	5.30	22.7	ug/kg
11104-28-2	Aroclor-1221	22.7	U	5.40	22.7	ug/kg
11141-16-5	Aroclor-1232	22.7	U	5.00	22.7	ug/kg
53469-21-9	Aroclor-1242	22.7	U	5.40	22.7	ug/kg
12672-29-6	Aroclor-1248	2700	E	7.90	22.7	ug/kg
11097-69-1	Aroclor-1254	22.7	U	4.30	22.7	ug/kg
37324-23-5	Aroclor-1262	22.7	U	6.70	22.7	ug/kg
11100-14-4	Aroclor-1268	22.7	U	4.80	22.7	ug/kg
11096-82-5	Aroclor-1260	22.7	U	4.30	22.7	ug/kg
Total PCBs	Total PCBs	2700		7.90	22.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	46.4	*	32 - 175	232%	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: **PP070566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 04:01
Operator : YP\AJ
Sample : Q1572-08
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O20

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:30:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	27168620	18780118	17.467	18.737
2)	SA Decachlor...	10.239	8.868	26143550	45351537	24.609m	46.355 #
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.913	164.5E6	117.9E6	4816.492	5020.379
22)	L5 AR-1248-2	5.947	5.150	266.7E6	173.3E6	6283.964	5535.230
23)	L5 AR-1248-3	6.148	5.192	290.3E6	189.9E6	6290.767m	5985.971
24)	L5 AR-1248-4	6.547	5.365	363.0E6	216.1E6	6259.985	5544.322
25)	L5 AR-1248-5	6.586	5.758	338.1E6	230.3E6	6297.859	6046.766

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

Sample Results: **PP070566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 04:01
Operator : YP\AJ
Sample : Q1572-08
Misc :
ALS Vial : 48 Sample Multiplier: 1

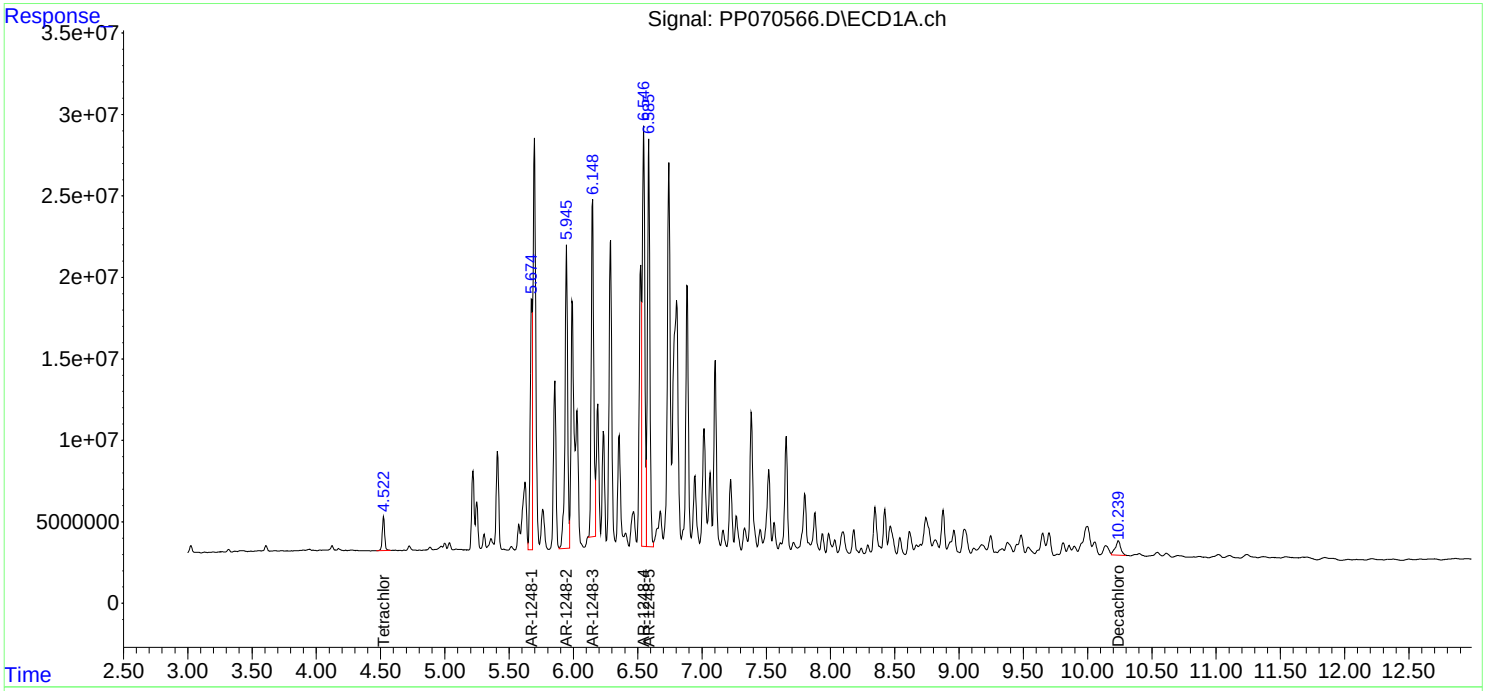
Instrument :
ECD_P
ClientSampleId :
C0O20

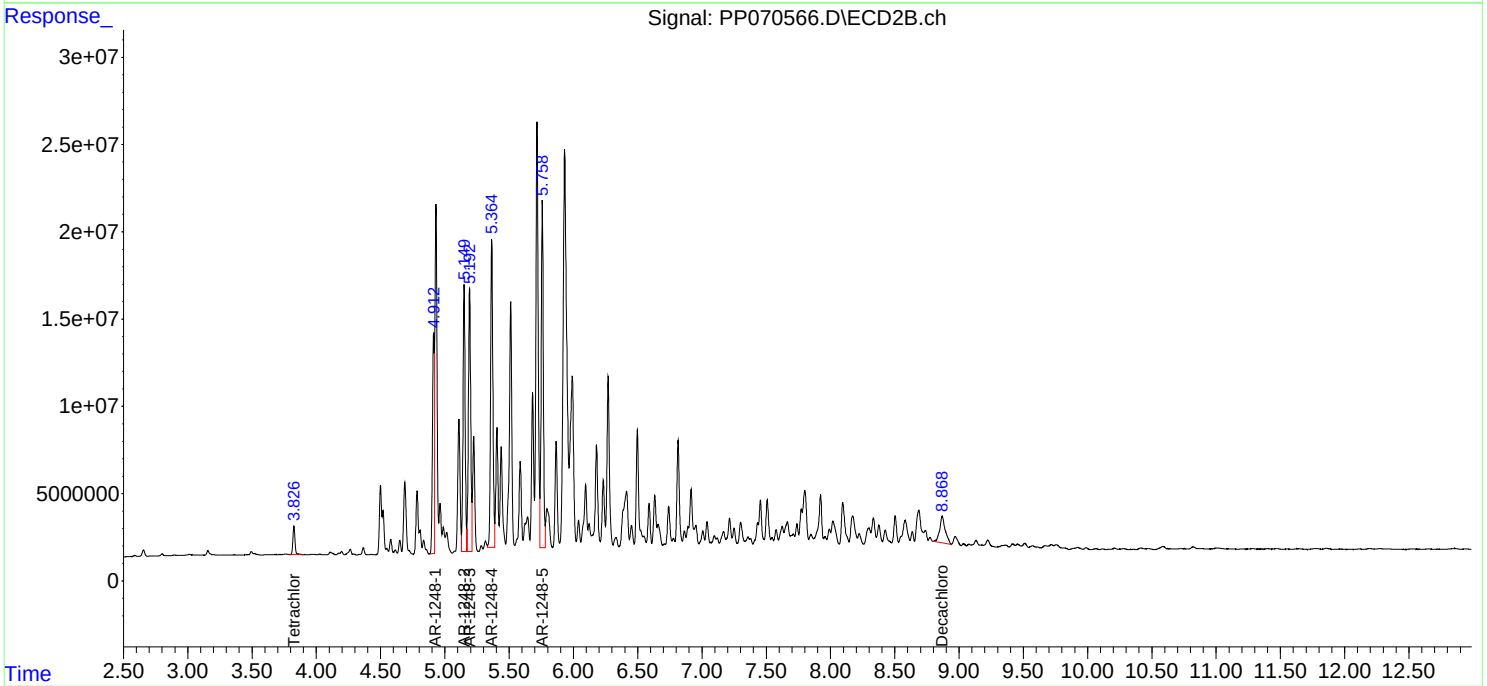
Manual Integrations APPROVED

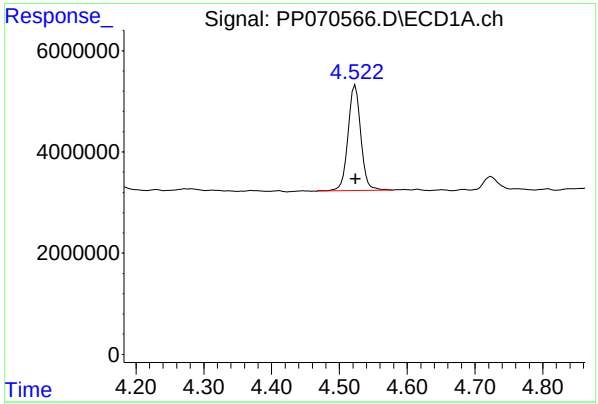
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:30:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







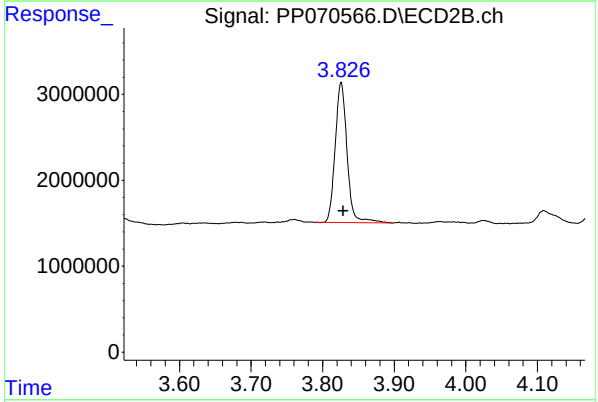
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: 0.000 mi
Response: 27168620
Conc: 17.47 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O20

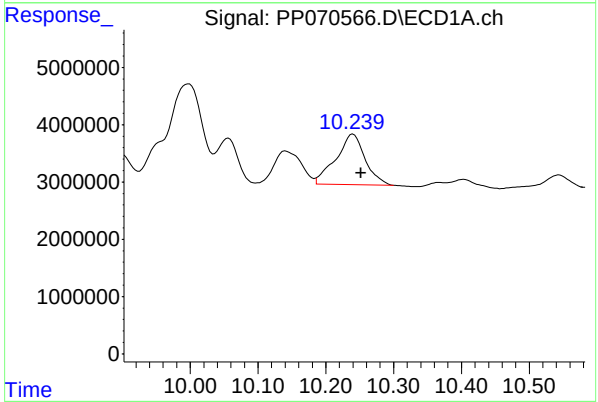
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



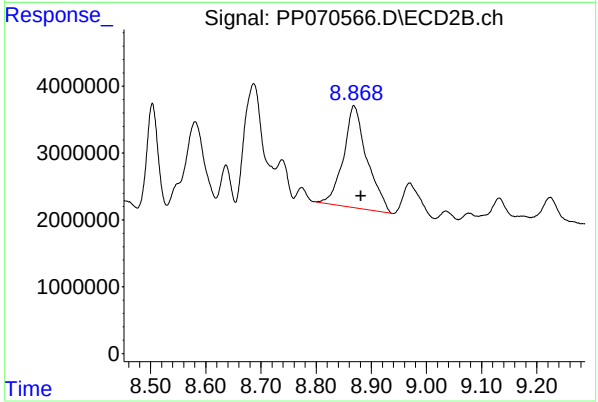
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 18780118
Conc: 18.74 ng/ml



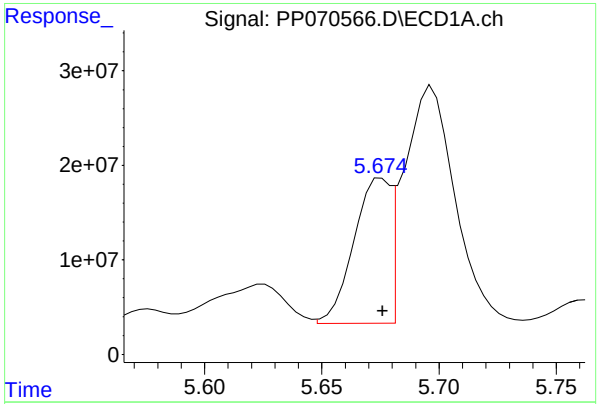
#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 26143550
Conc: 24.61 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 45351537
Conc: 46.35 ng/ml



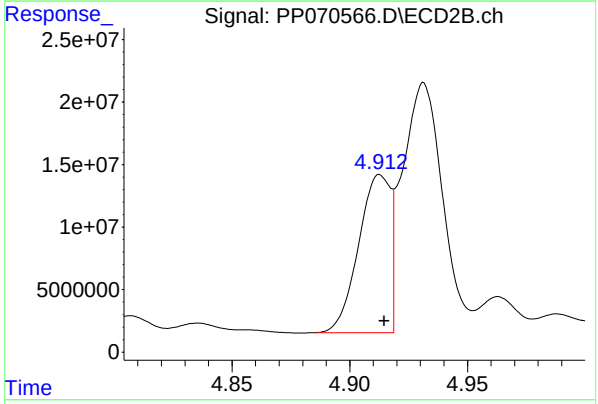
#21 AR-1248-1

R.T.: 5.676 min
Delta R.T.: 0.000 mi
Response: 164511906
Conc: 4816.49 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O20

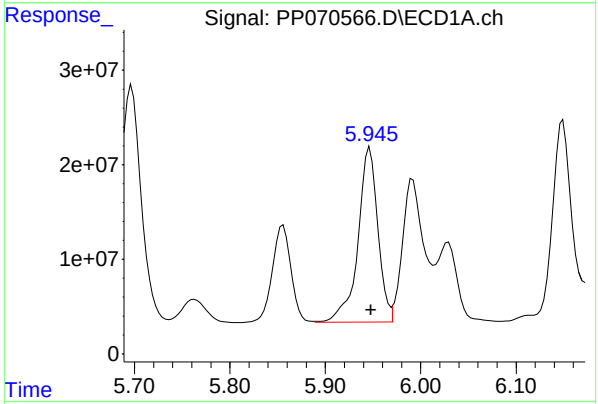
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



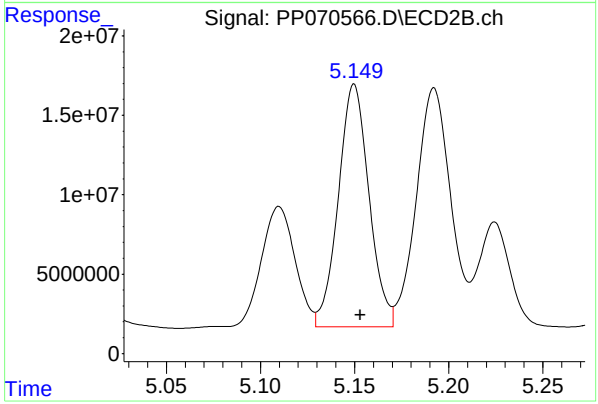
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 117856075
Conc: 5020.38 ng/ml



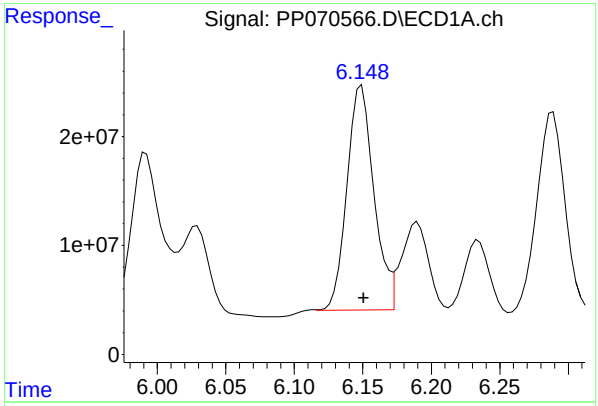
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 266737095
Conc: 6283.96 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 173271779
Conc: 5535.23 ng/ml



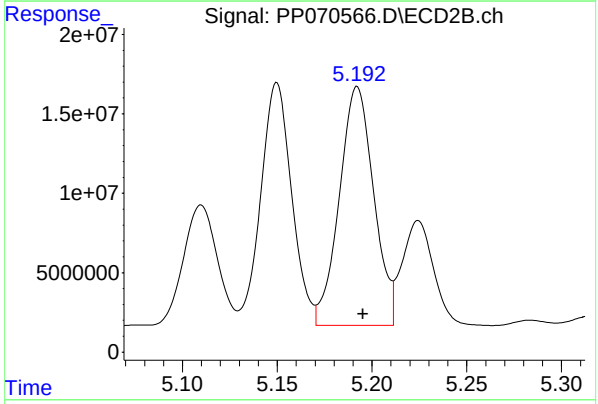
#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 290310361
Conc: 6290.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O20

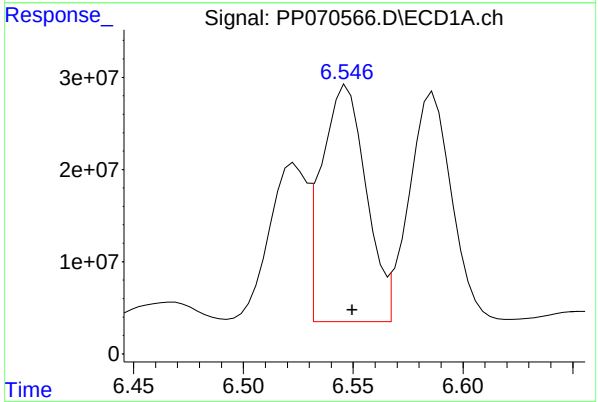
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



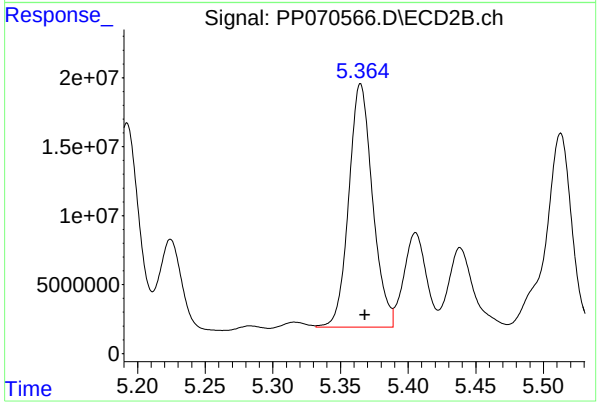
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 189884423
Conc: 5985.97 ng/ml



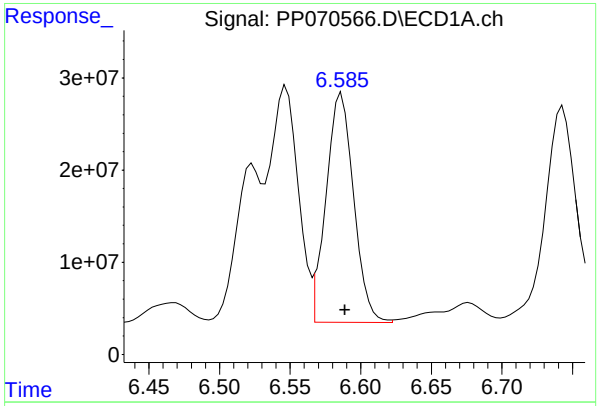
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.002 min
Response: 363024408
Conc: 6259.98 ng/ml



#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 216079822
Conc: 5544.32 ng/ml



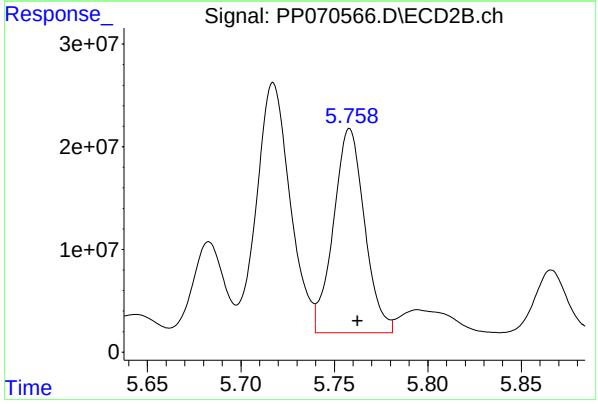
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.002 mi
Response: 338115402
Conc: 6297.86 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O20

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 230301243
Conc: 6046.77 ng/ml

Raw Data: **PP070599.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O20DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-08DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070599.D	10	03/14/25 12:25	03/17/25 16:43	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	227	UD	52.7	227	ug/kg
11104-28-2	Aroclor-1221	227	UD	53.8	227	ug/kg
11141-16-5	Aroclor-1232	227	UD	49.7	227	ug/kg
53469-21-9	Aroclor-1242	227	UD	53.5	227	ug/kg
12672-29-6	Aroclor-1248	3700	D	79.0	227	ug/kg
11097-69-1	Aroclor-1254	227	UD	42.9	227	ug/kg
37324-23-5	Aroclor-1262	227	UD	67.0	227	ug/kg
11100-14-4	Aroclor-1268	227	UD	48.1	227	ug/kg
11096-82-5	Aroclor-1260	227	UD	43.1	227	ug/kg
Total PCBs	Total PCBs	3700	D	79.0	227	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.8		32 - 144	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	62.1	*	32 - 175	311%	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: **PP070599.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:43
Operator : YP\AJ
Sample : Q1572-08DL 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O20DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:40:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.825	3854031	2161028	2.478m	2.156
2)	SA Decachlor...	10.241	8.870	3146095	6074551	2.961m	6.209 #
	Target Compounds						
21)	L5 AR-1248-1	5.675	4.912	22923167	17207373	671.132	732.992
22)	L5 AR-1248-2	5.946	5.149	37171345	26446435	875.706	844.841
23)	L5 AR-1248-3	6.149	5.191	38066462	28265246	824.866	891.042
24)	L5 AR-1248-4	6.548	5.364	48425727	31337179	835.052	804.071
25)	L5 AR-1248-5	6.587	5.758	45821144	32427643	853.481	851.417

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:43
Operator : YP\AJ
Sample : Q1572-08DL 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

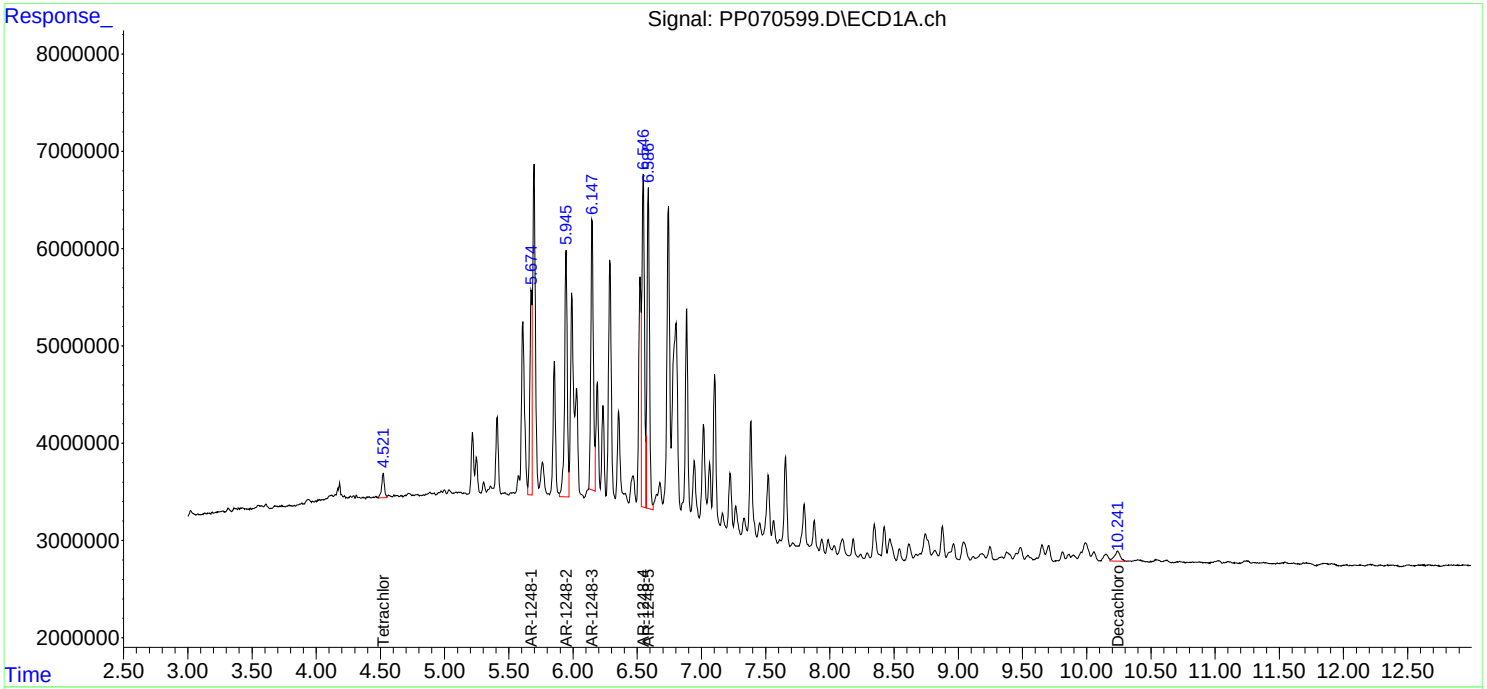
Instrument :
ECD_P
ClientSampleId :
C0O20DL

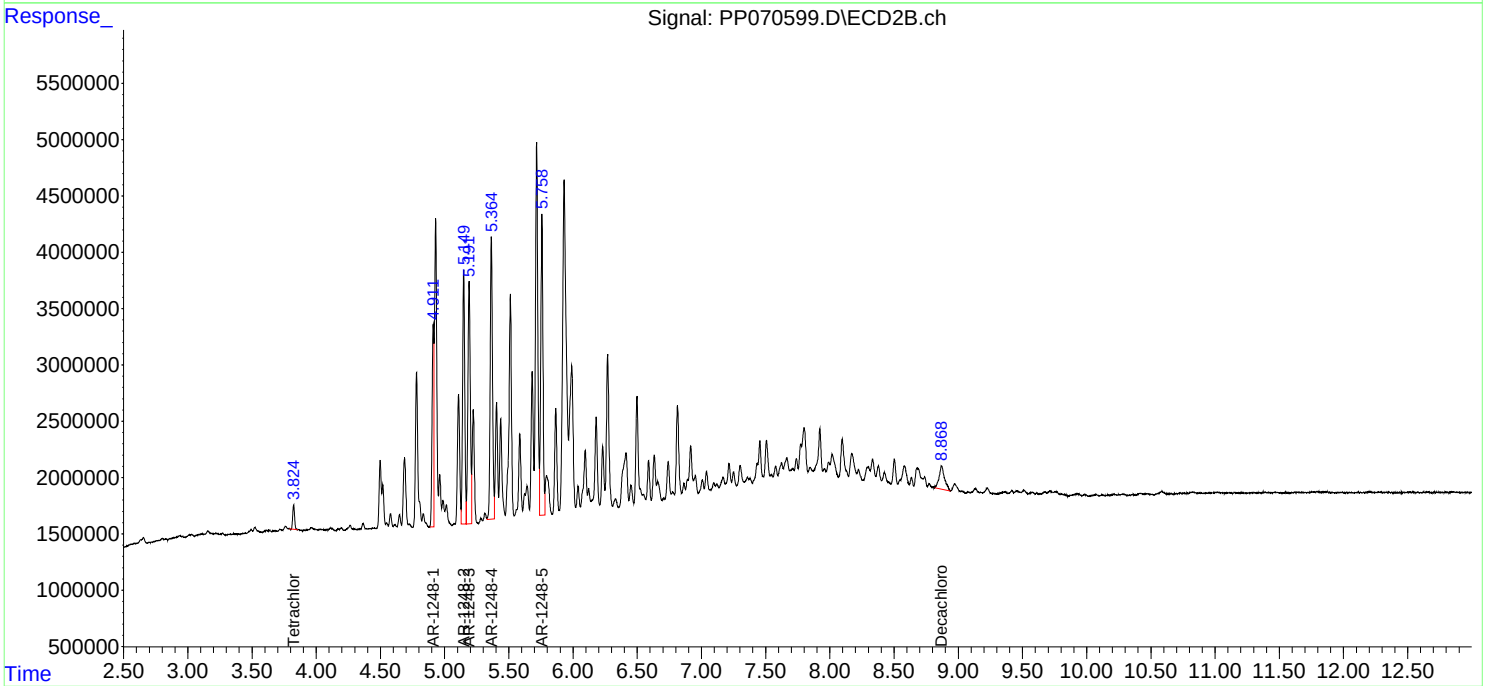
Manual Integrations APPROVED

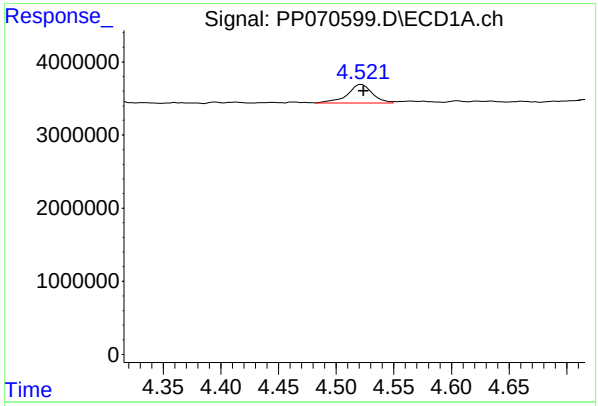
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:40:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







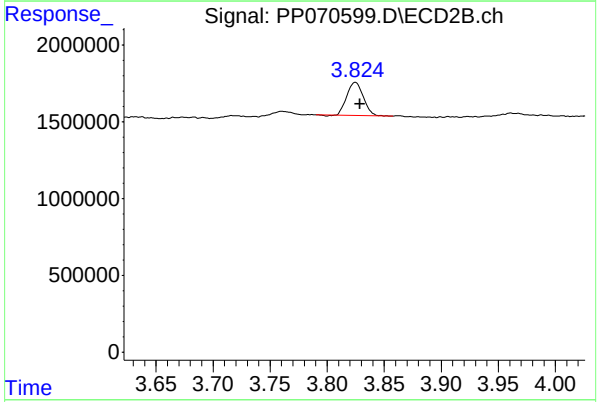
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 3854031
Conc: 2.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O20DL

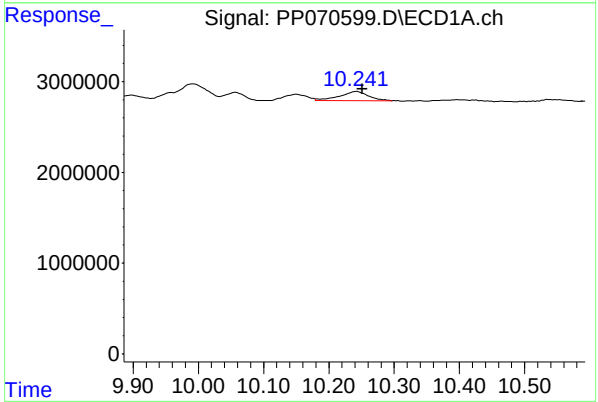
Manual Integrations
APPROVED

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



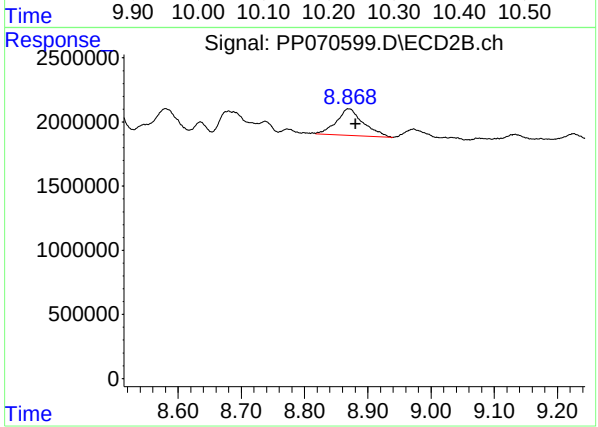
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 2161028
Conc: 2.16 ng/ml



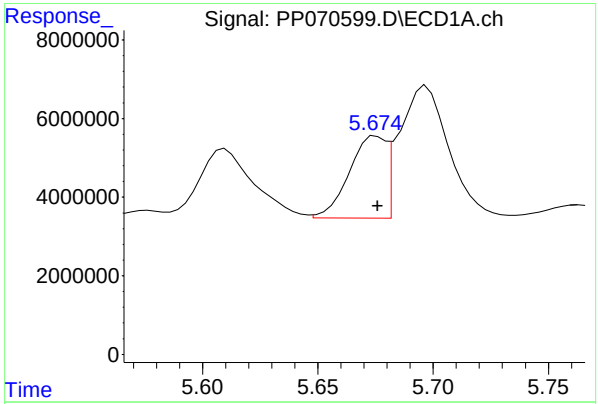
#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 3146095
Conc: 2.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 6074551
Conc: 6.21 ng/ml



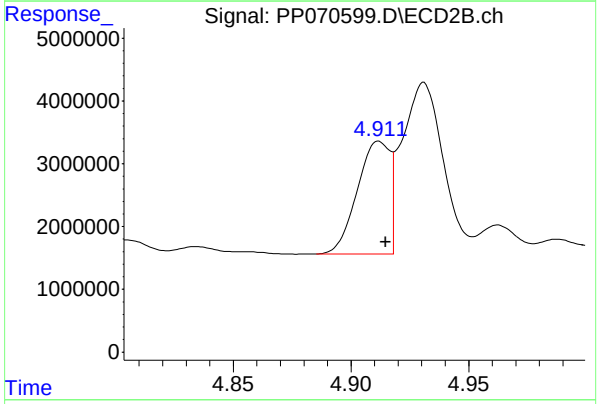
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 22923167
Conc: 671.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O20DL

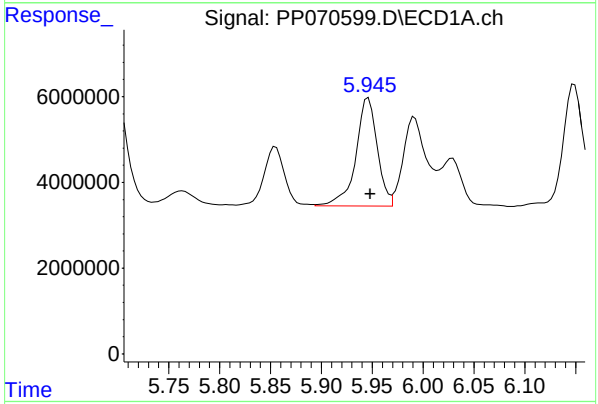
Manual Integrations APPROVED

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



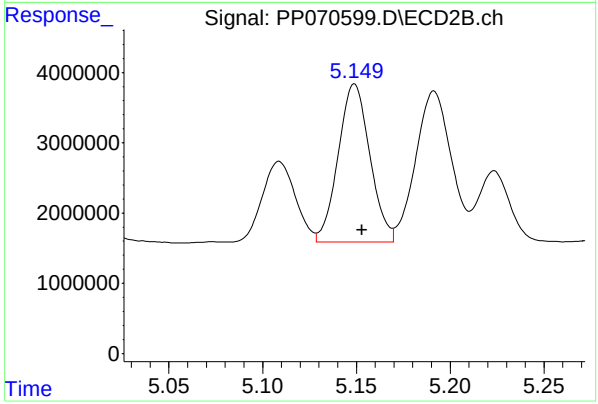
#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 17207373
Conc: 732.99 ng/ml



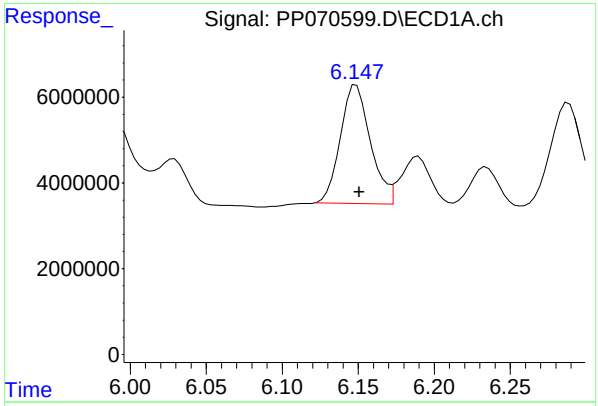
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 37171345
Conc: 875.71 ng/ml



#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.004 min
Response: 26446435
Conc: 844.84 ng/ml



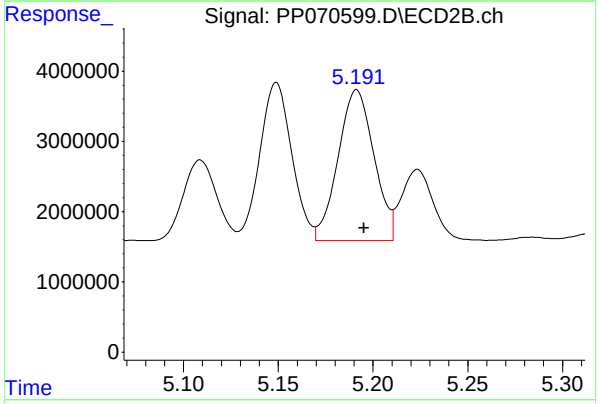
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 38066462
Conc: 824.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O20DL

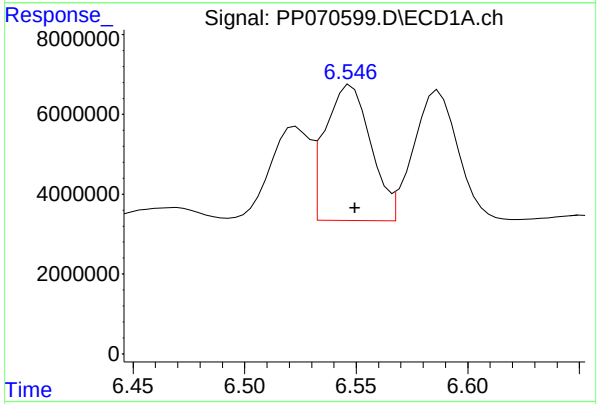
Manual Integrations APPROVED

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



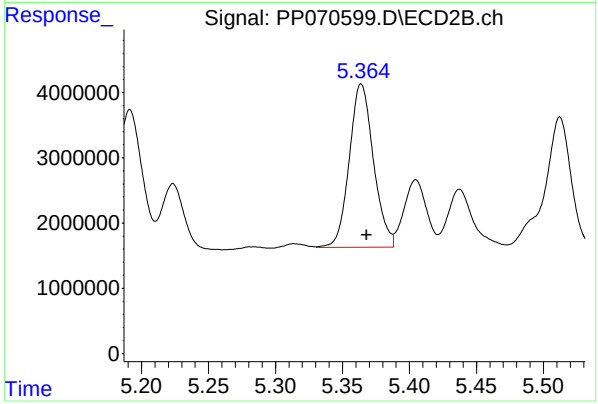
#23 AR-1248-3

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 28265246
Conc: 891.04 ng/ml



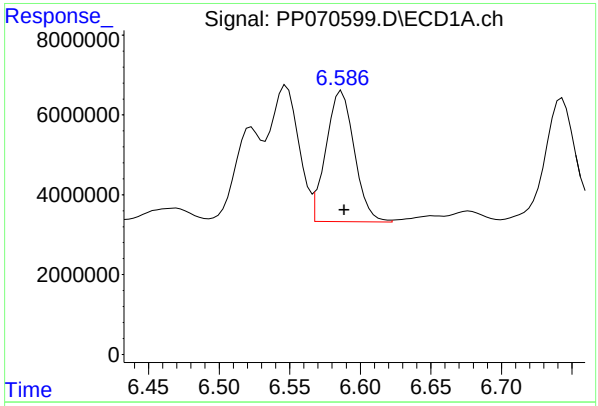
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.002 min
Response: 48425727
Conc: 835.05 ng/ml



#24 AR-1248-4

R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 31337179
Conc: 804.07 ng/ml



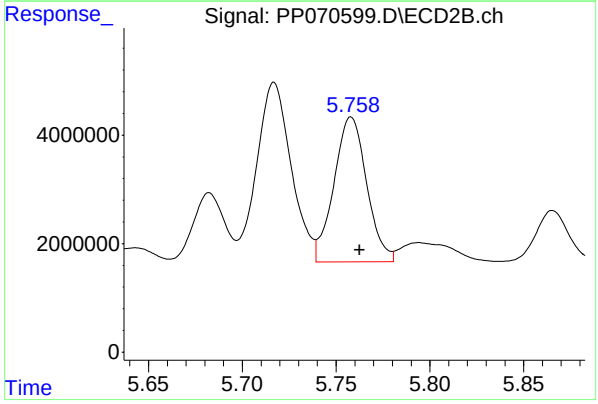
#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 45821144
Conc: 853.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O20DL

Manual Integrations
APPROVED

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



#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 32427643
Conc: 851.42 ng/ml

Raw Data: **PP070567.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O21	SDG No.:	Q1572
Lab Sample ID:	Q1572-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	66.9 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070567.D	1	03/14/25 12:25	03/15/25 04:17	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	25.3	U	5.90	25.3	ug/kg
11104-28-2	Aroclor-1221	25.3	U	6.00	25.3	ug/kg
11141-16-5	Aroclor-1232	25.3	U	5.50	25.3	ug/kg
53469-21-9	Aroclor-1242	25.3	U	6.00	25.3	ug/kg
12672-29-6	Aroclor-1248	9500	E	8.80	25.3	ug/kg
11097-69-1	Aroclor-1254	25.3	U	4.80	25.3	ug/kg
37324-23-5	Aroclor-1262	25.3	U	7.50	25.3	ug/kg
11100-14-4	Aroclor-1268	25.3	U	5.40	25.3	ug/kg
11096-82-5	Aroclor-1260	25.3	U	4.80	25.3	ug/kg
Total PCBs	Total PCBs	9500	E	8.80	25.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.1		32 - 144	70%	SPK: 20
2051-24-3	Decachlorobiphenyl	33.1		32 - 175	165%	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: **PP070567.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 04:17
Operator : YP\AJ
Sample : Q1572-09
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O21

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 05:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.825	21901547	14014202	14.081	13.982
2)	SA Decachlor...	10.236	8.870	35144261	30355080	33.082m	31.026m
	Target Compounds						
21)	L5 AR-1248-1	5.673	4.912	723.5E6	501.1E6	21183.061	21345.060
22)	L5 AR-1248-2	5.943	5.150	743.6E6	471.2E6	17519.117	15053.719
23)	L5 AR-1248-3	6.144	5.192	919.0E6	576.5E6	19914.821m	18175.154
24)	L5 AR-1248-4	6.544	5.364	1028.9E6	651.4E6	17742.386	16714.411
25)	L5 AR-1248-5	6.583	5.758	1054.4E6	703.9E6	19639.243	18482.800

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 04:17
Operator : YP\AJ
Sample : Q1572-09
Misc :
ALS Vial : 49 Sample Multiplier: 1

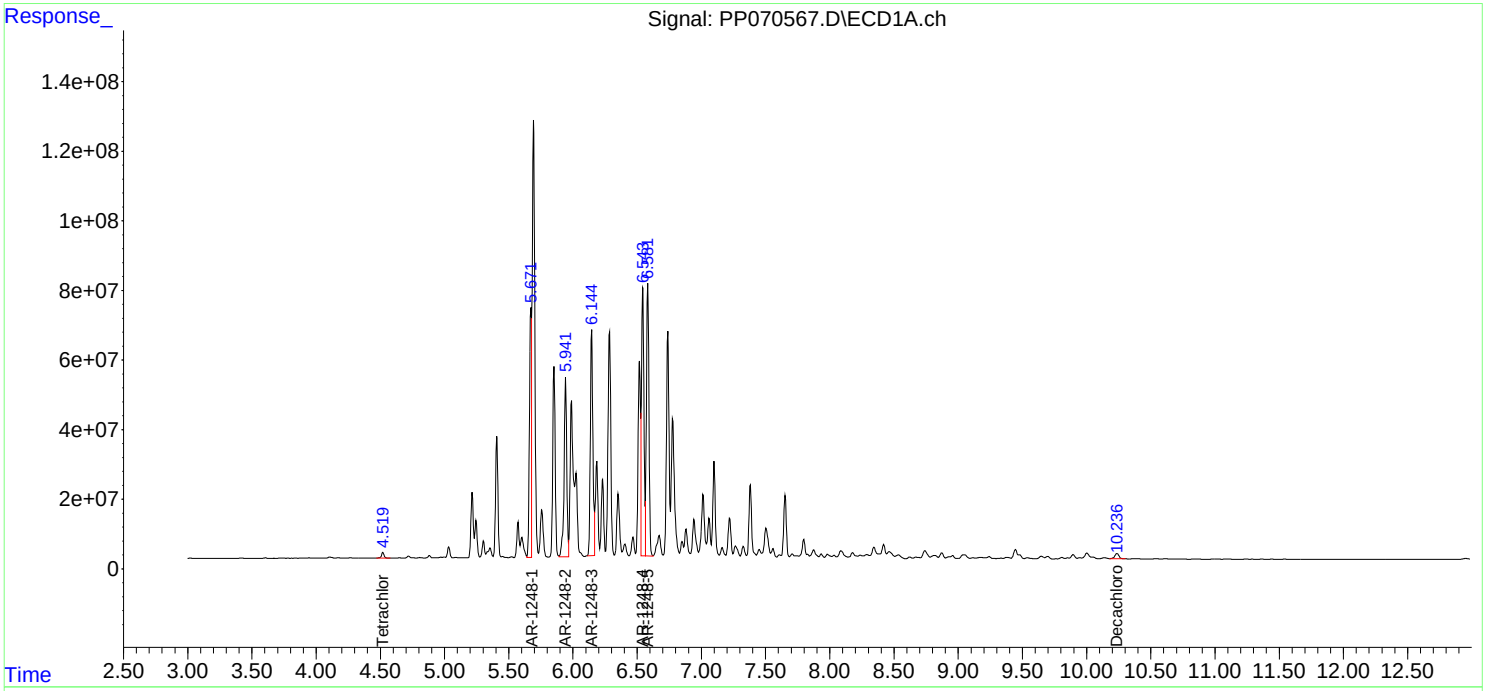
Instrument :
ECD_P
ClientSampleId :
C0O21

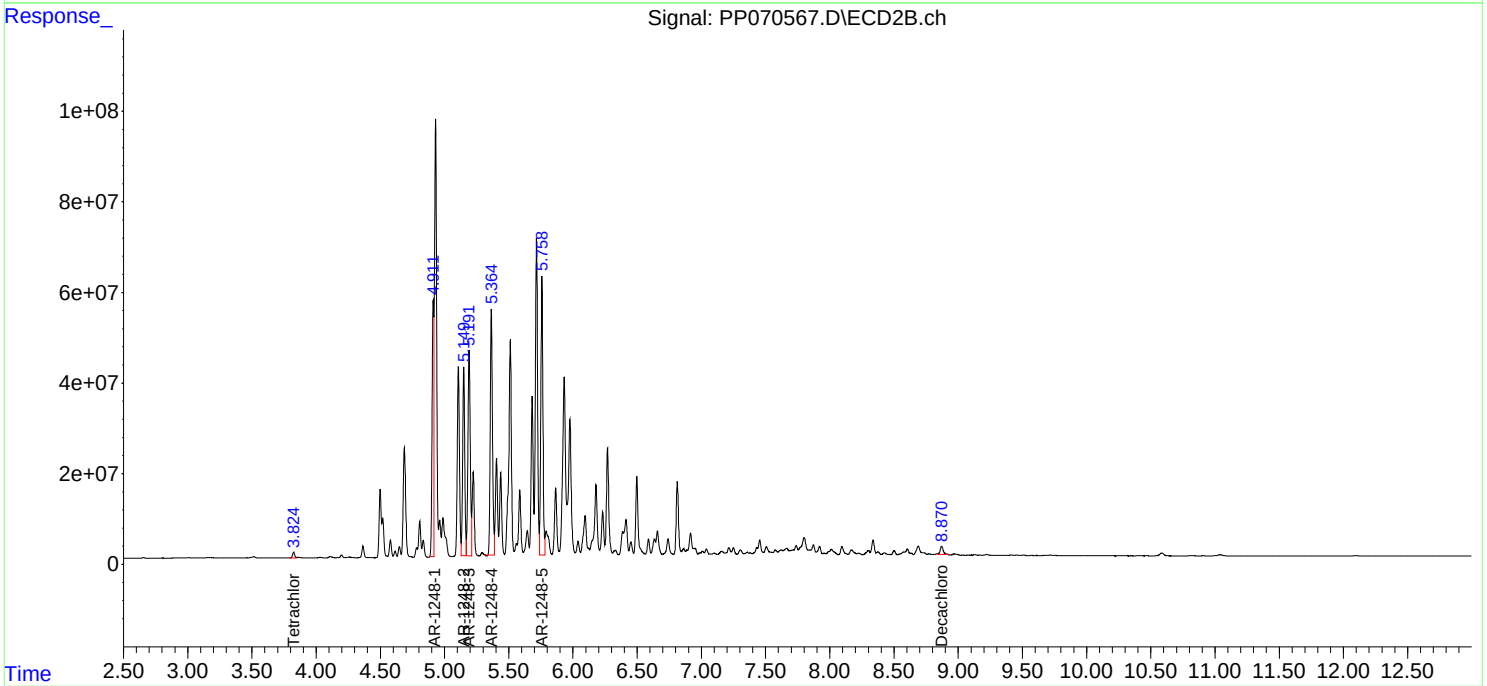
Manual Integrations APPROVED

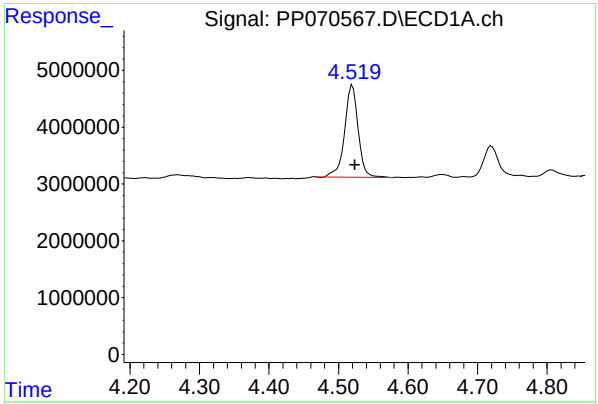
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 05:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







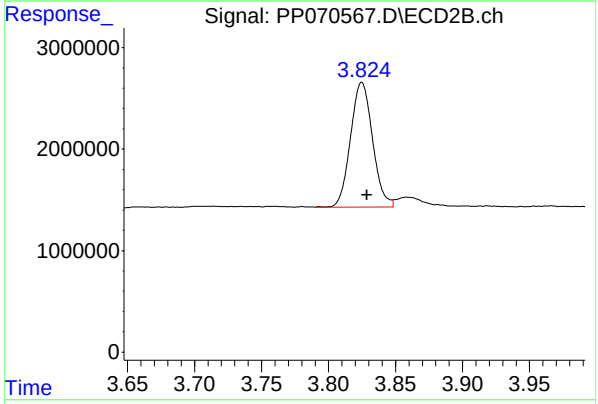
#1 Tetrachloro-m-xylene

R.T.: 4.520 min
Delta R.T.: -0.004 mi
Response: 21901547
Conc: 14.08 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O21

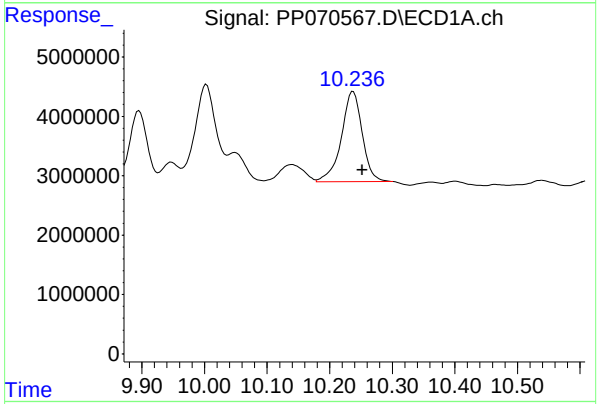
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



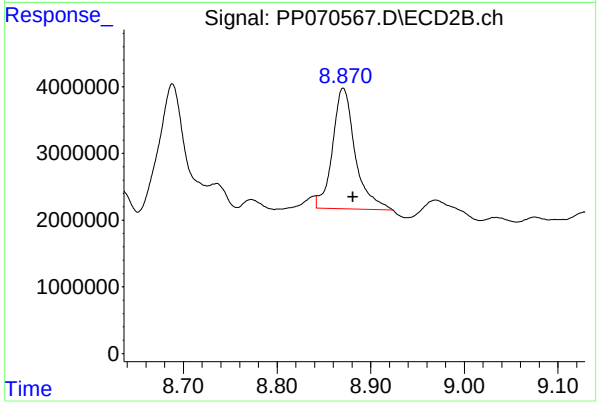
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 14014202
Conc: 13.98 ng/ml



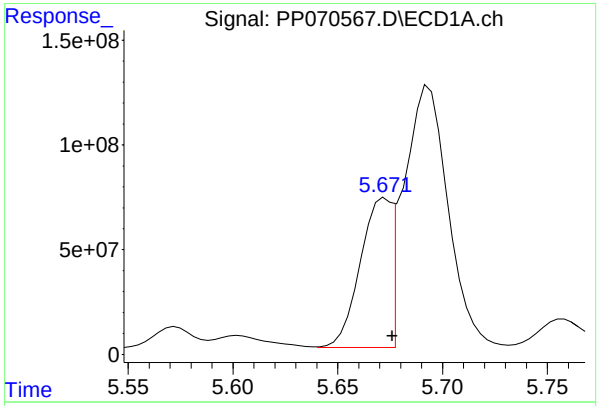
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: -0.016 min
Response: 35144261
Conc: 33.08 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 30355080
Conc: 31.03 ng/ml m



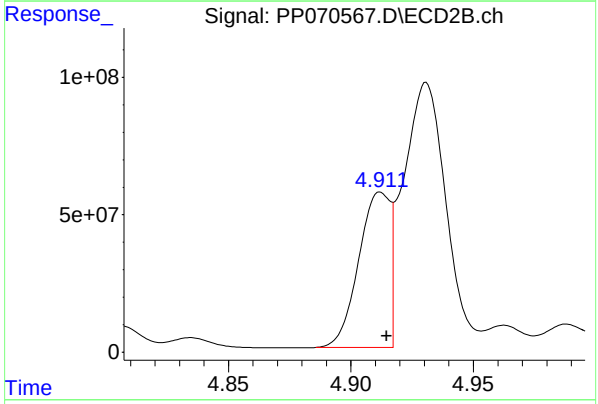
#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.003 min
Response: 723527733
Conc: 21183.06 ng/

Instrument :
ECD_P
ClientSampleId :
C0O21

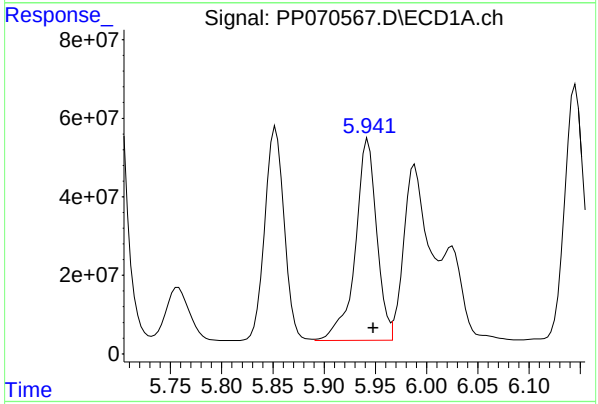
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



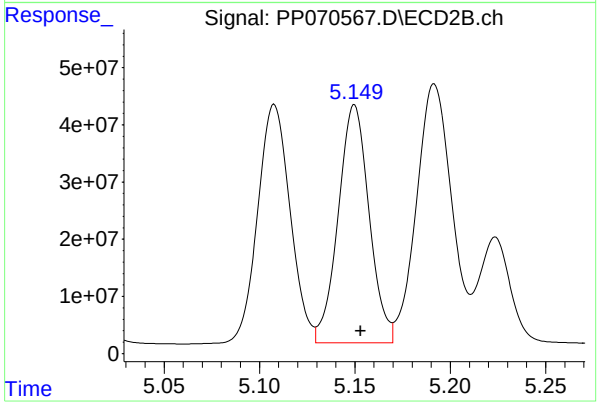
#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 501086649
Conc: 21345.06 ng/ml



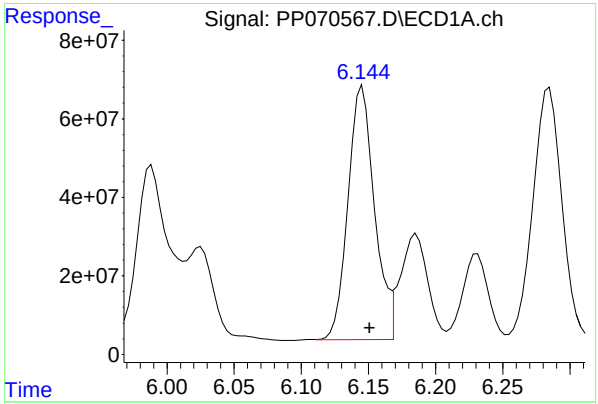
#22 AR-1248-2

R.T.: 5.943 min
Delta R.T.: -0.005 min
Response: 743638629
Conc: 17519.12 ng/ml



#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 471233277
Conc: 15053.72 ng/ml



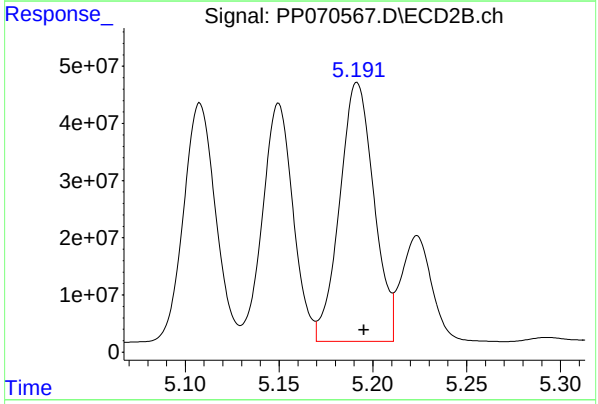
#23 AR-1248-3

R.T.: 6.144 min
Delta R.T.: -0.007 mi
Response: 919041963
Conc: 19914.82 ng/

Instrument :
ECD_P
ClientSampleId :
C0O21

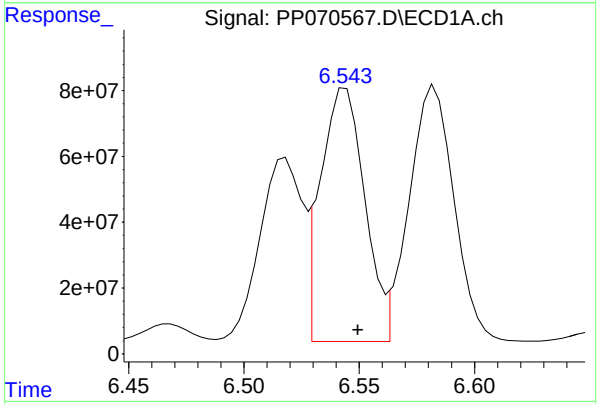
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



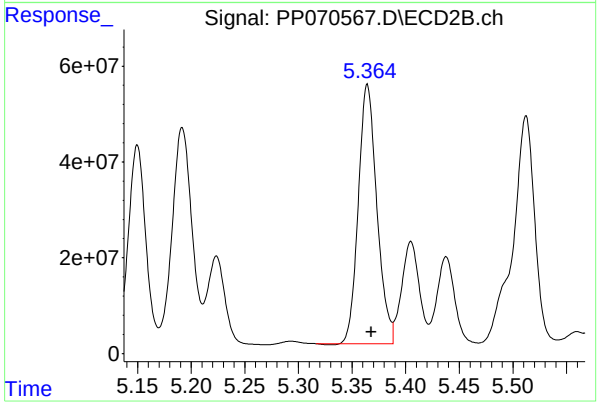
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.004 min
Response: 576544468
Conc: 18175.15 ng/ml



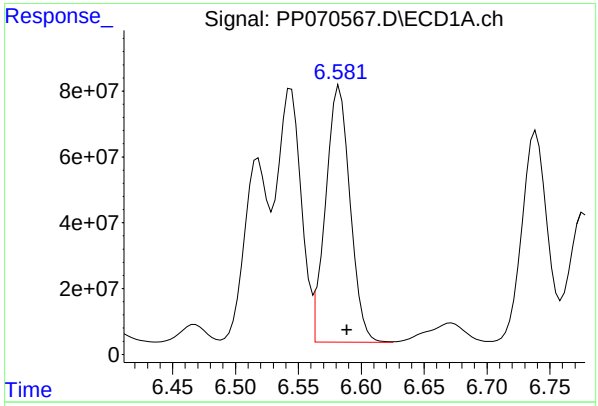
#24 AR-1248-4

R.T.: 6.544 min
Delta R.T.: -0.005 min
Response: 1028903294
Conc: 17742.39 ng/ml



#24 AR-1248-4

R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 651413600
Conc: 16714.41 ng/ml



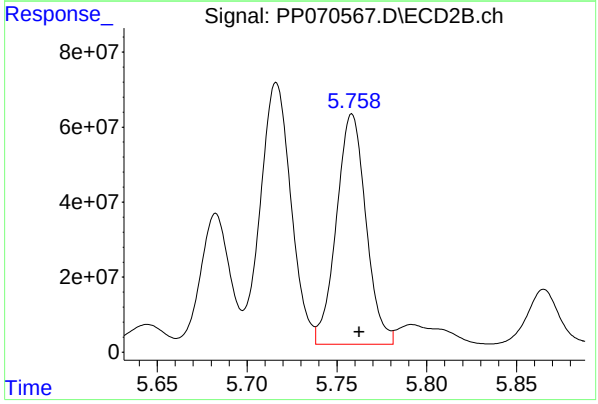
#25 AR-1248-5

R.T.: 6.583 min
Delta R.T.: -0.006 mi
Response: 1054379064
Conc: 19639.24 ng/

Instrument :
ECD_P
ClientSampleId :
C0O21

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 703948478
Conc: 18482.80 ng/ml

Raw Data: **PP070600.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O21DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-09DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	66.9 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070600.D	25	03/14/25 12:25	03/17/25 16:59	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	634	UD	147	634	ug/kg
11104-28-2	Aroclor-1221	634	UD	150	634	ug/kg
11141-16-5	Aroclor-1232	634	UD	139	634	ug/kg
53469-21-9	Aroclor-1242	634	UD	149	634	ug/kg
12672-29-6	Aroclor-1248	8300	D	221	634	ug/kg
11097-69-1	Aroclor-1254	634	UD	120	634	ug/kg
37324-23-5	Aroclor-1262	634	UD	187	634	ug/kg
11100-14-4	Aroclor-1268	634	UD	134	634	ug/kg
11096-82-5	Aroclor-1260	634	UD	120	634	ug/kg
Total PCBs	Total PCBs	8300	D	221	634	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:59
Operator : YP\AJ
Sample : Q1572-09DL 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O21DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
	Target Compounds						
21)	L5 AR-1248-1	5.677	4.913	25365269	18404647	742.631	783.993
22)	L5 AR-1248-2	5.947	5.149	26797685	18482261	631.317	590.423
23)	L5 AR-1248-3	6.150	5.192	29883321	21855710	647.545	688.986
24)	L5 AR-1248-4	6.549	5.364	35918402	24047744	619.376	617.033
25)	L5 AR-1248-5	6.588	5.758	37282933	25056768	694.445	657.888

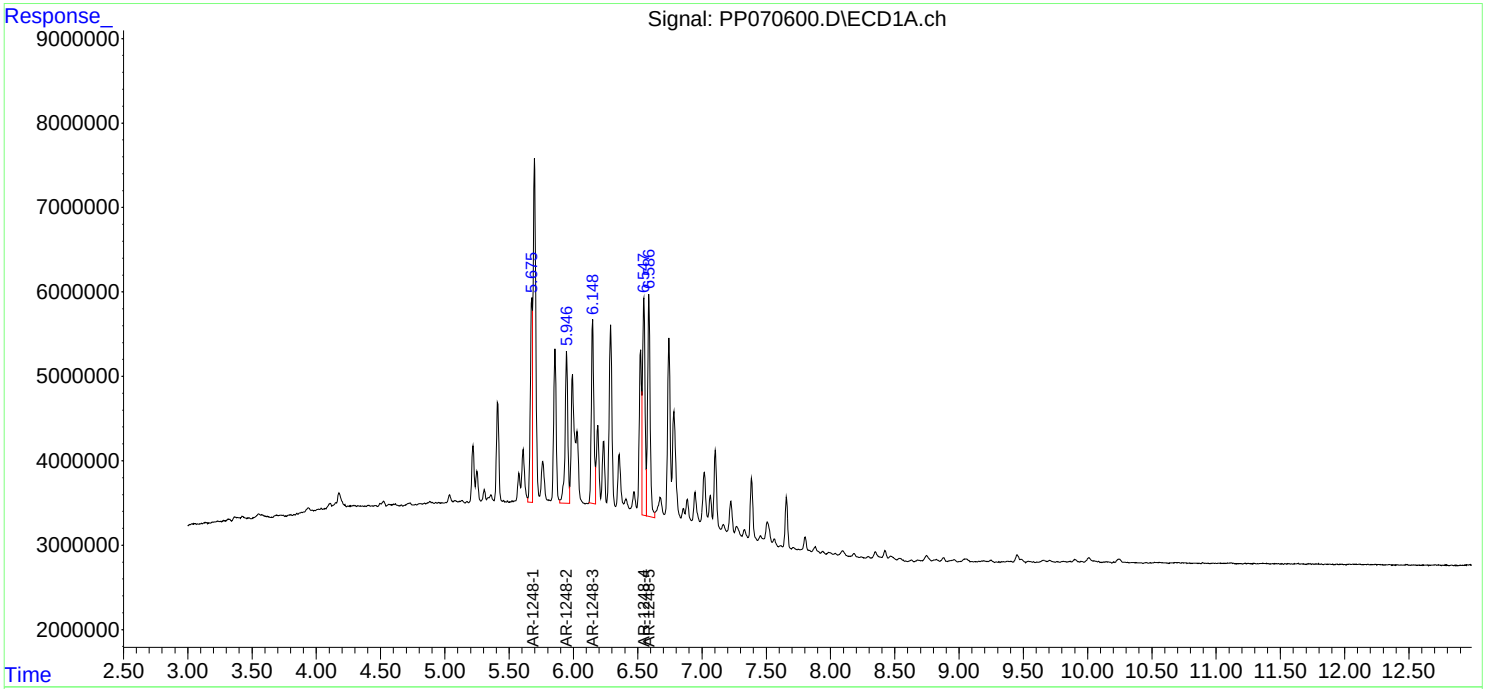
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

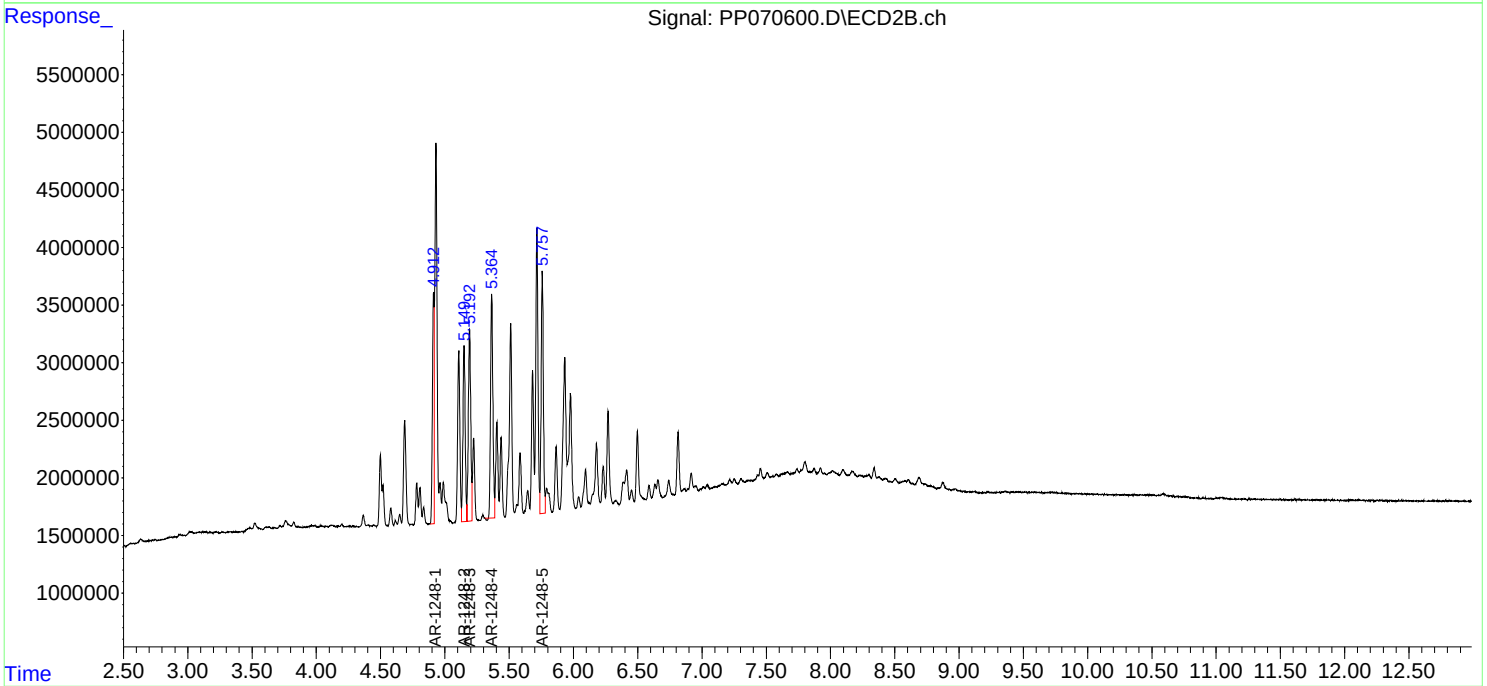
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:59
Operator : YP\AJ
Sample : Q1572-09DL 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

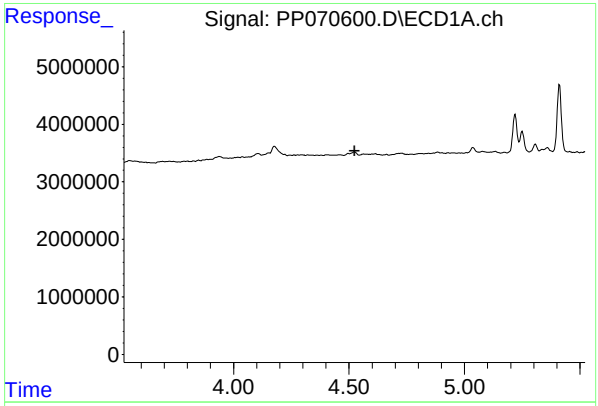
Instrument :
ECD_P
ClientSampleId :
C0O21DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



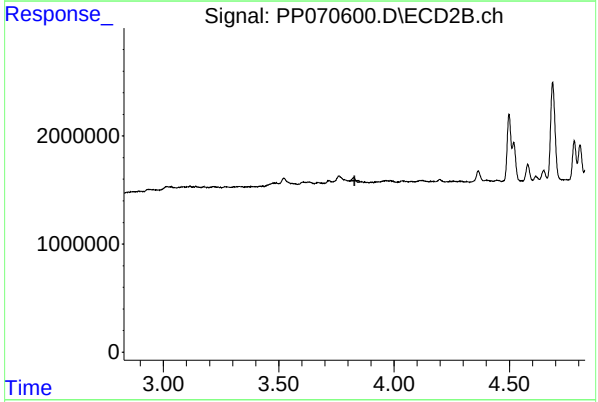




#1 Tetrachloro-m-xylene

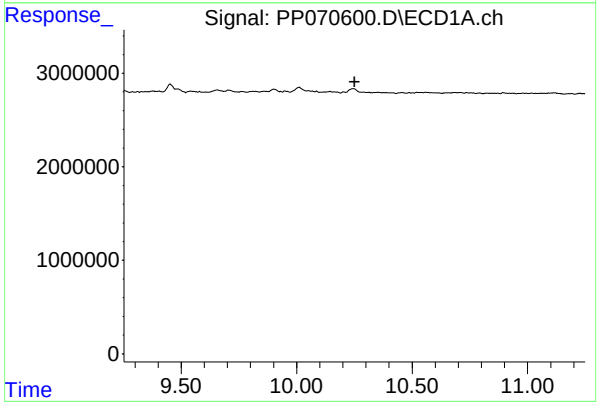
R.T.: 0.000 min
Exp R.T. : 4.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
C0O21DL



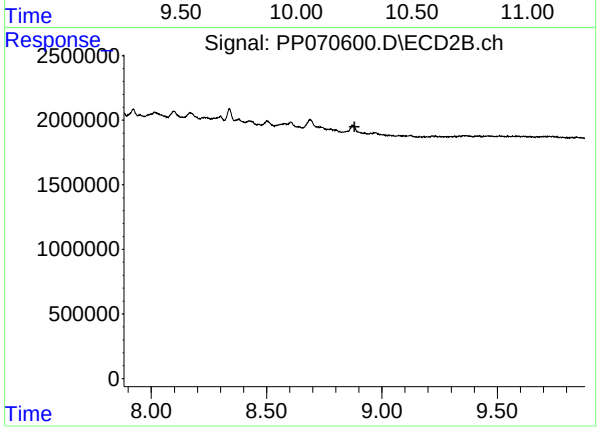
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.829 min
Response: 0
Conc: N.D.



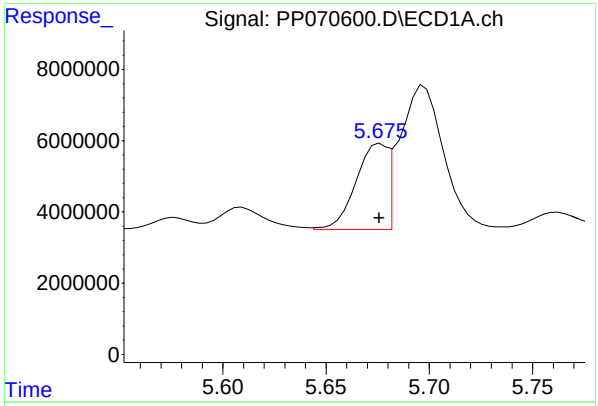
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.252 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

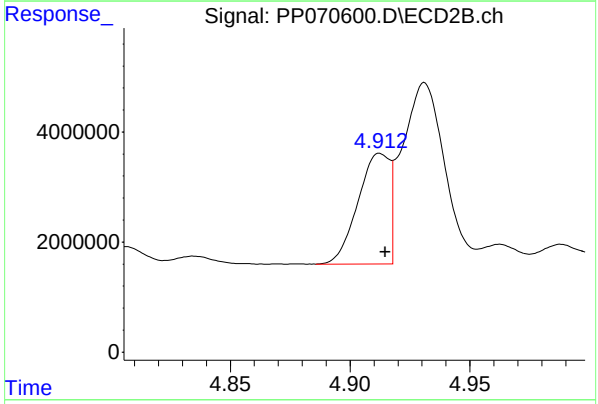
R.T.: 0.000 min
Exp R.T. : 8.881 min
Response: 0
Conc: N.D.



#21 AR-1248-1

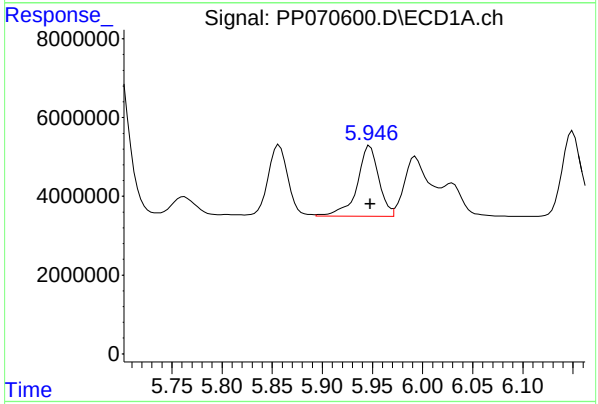
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 25365269
Conc: 742.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O21DL



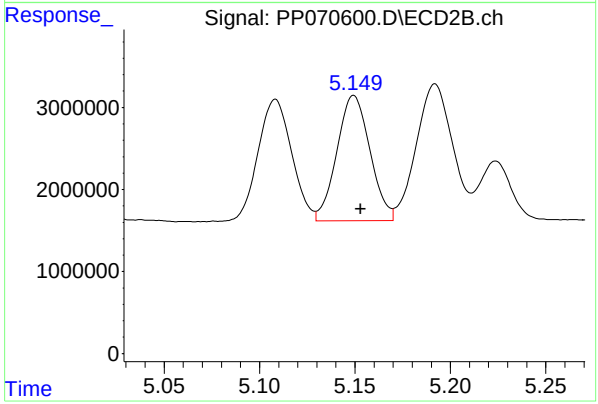
#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 18404647
Conc: 783.99 ng/ml



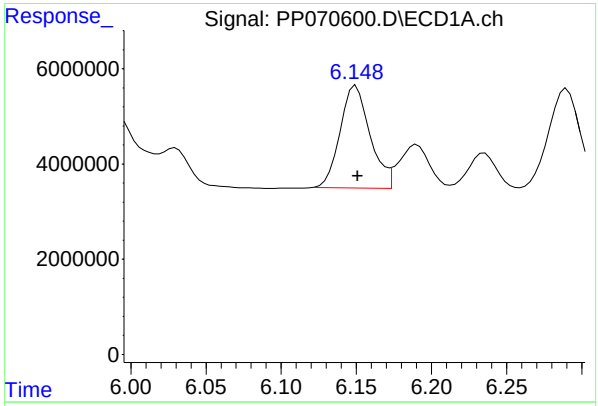
#22 AR-1248-2

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 26797685
Conc: 631.32 ng/ml



#22 AR-1248-2

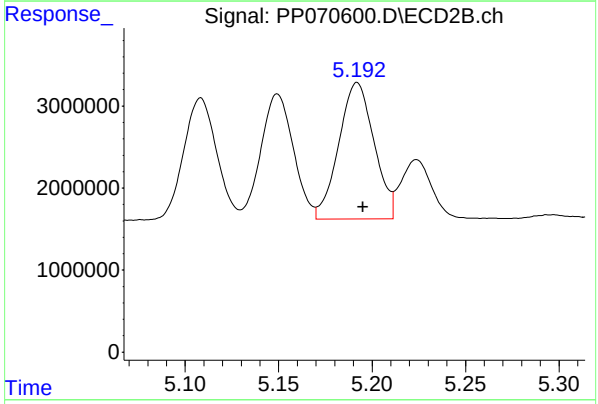
R.T.: 5.149 min
Delta R.T.: -0.004 min
Response: 18482261
Conc: 590.42 ng/ml



#23 AR-1248-3

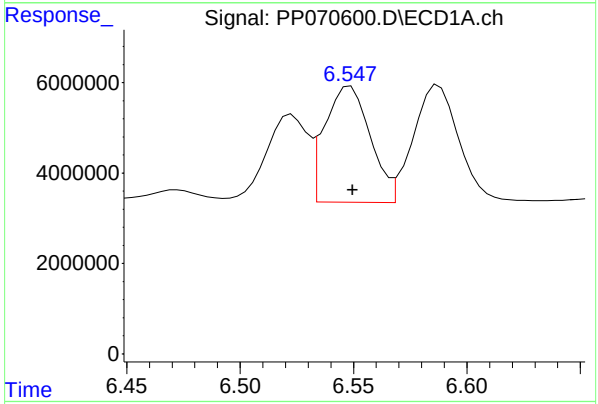
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 29883321
Conc: 647.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O21DL



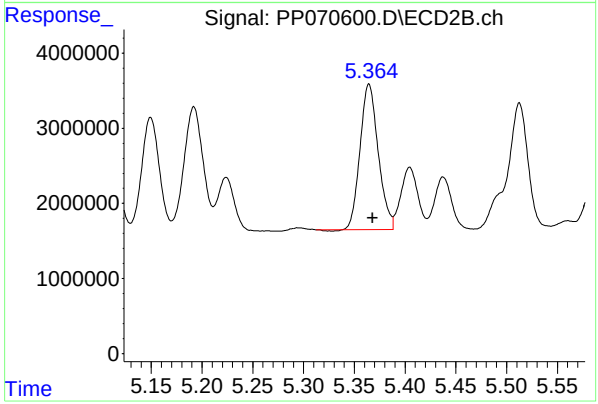
#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 21855710
Conc: 688.99 ng/ml



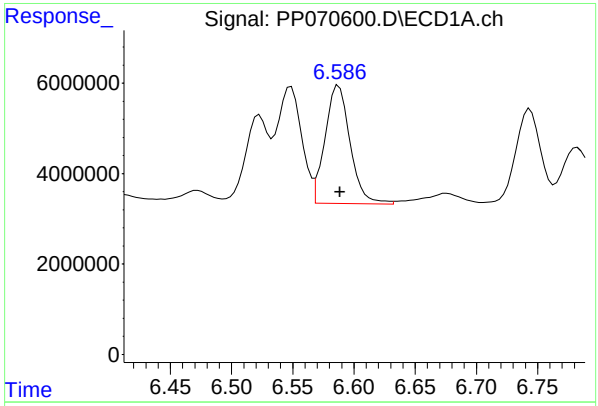
#24 AR-1248-4

R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 35918402
Conc: 619.38 ng/ml



#24 AR-1248-4

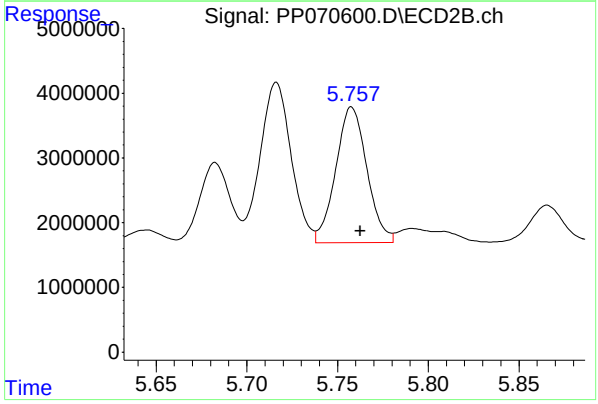
R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 24047744
Conc: 617.03 ng/ml



#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: -0.001 min
Response: 37282933
Conc: 694.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O21DL



#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.005 min
Response: 25056768
Conc: 657.89 ng/ml

Raw Data: **PO109896.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O22	SDG No.:	Q1572
Lab Sample ID:	Q1572-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	65.9 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109896.D	1	03/14/25 12:25	03/14/25 17:02	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	25.8	U	6.00	25.8	ug/kg
11104-28-2	Aroclor-1221	25.8	U	6.10	25.8	ug/kg
11141-16-5	Aroclor-1232	25.8	U	5.60	25.8	ug/kg
53469-21-9	Aroclor-1242	25.8	U	6.10	25.8	ug/kg
12672-29-6	Aroclor-1248	25000	E	9.00	25.8	ug/kg
11097-69-1	Aroclor-1254	25.8	U	4.90	25.8	ug/kg
37324-23-5	Aroclor-1262	25.8	U	7.60	25.8	ug/kg
11100-14-4	Aroclor-1268	25.8	U	5.50	25.8	ug/kg
11096-82-5	Aroclor-1260	25.8	U	4.90	25.8	ug/kg
Total PCBs	Total PCBs	25000	E	9.00	25.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.9		32 - 144	60%	SPK: 20
2051-24-3	Decachlorobiphenyl	373	*	32 - 175	1865%	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: **PO109896.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:02
Operator : YP/AJ
Sample : Q1572-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O22

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:34:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.693	3.690	109.8E6	62421536	11.604	11.926	
2)	SA Decachlor...	8.767	8.717	3209.1E6	926.0E6	373.067m	290.798m	
	Target Compounds							
21)	L5 AR-1248-1	4.786	4.774	11162.7E6	6458.8E6	55950.684m	64249.563	
22)	L5 AR-1248-2	5.025	5.010	10586.1E6	5928.4E6	38039.614	40750.935	
23)	L5 AR-1248-3	5.241	5.052	12741.6E6	7128.0E6	36470.074	45984.623	#
24)	L5 AR-1248-4	5.592	5.223	15304.1E6	8178.6E6	32077.690	45236.203	#
25)	L5 AR-1248-5	5.633	5.615	14933.6E6	9418.2E6	43600.579	54692.131	#

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

Sample Results: **PO109896.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:02
Operator : YP/AJ
Sample : Q1572-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

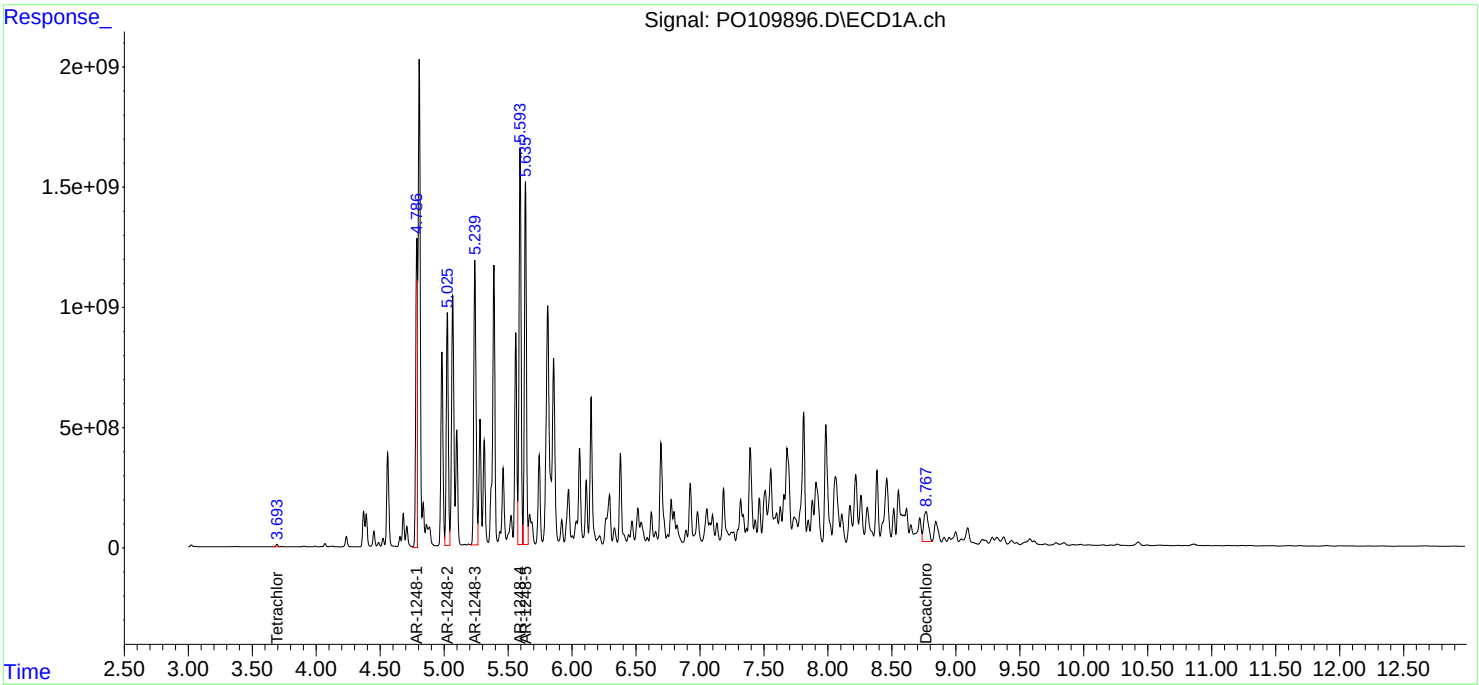
Instrument :
ECD_O
ClientSampleId :
C0O22

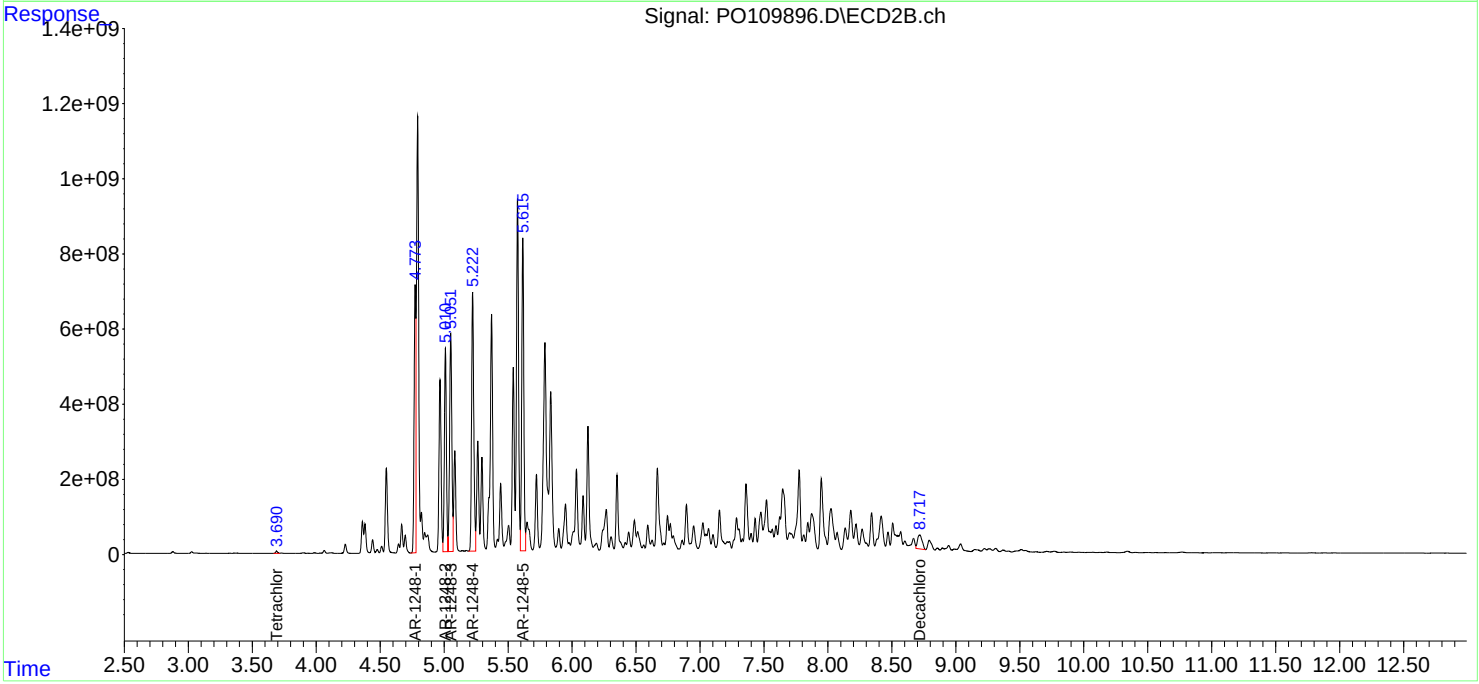
Manual Integrations APPROVED

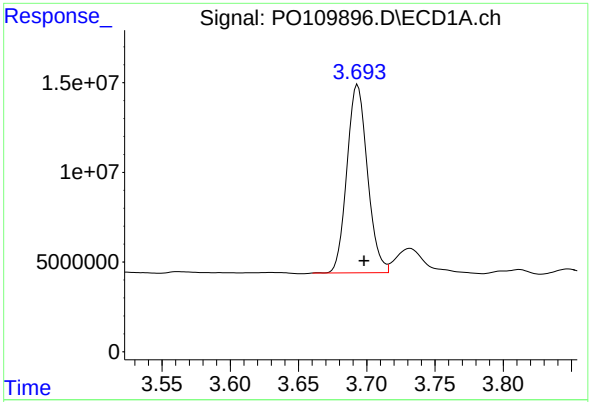
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:34:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







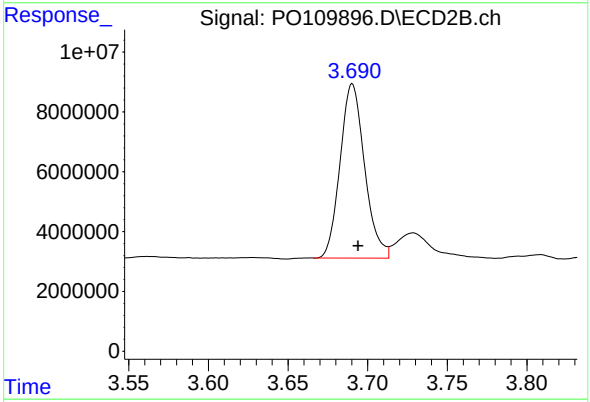
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 109833046
Conc: 11.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O22

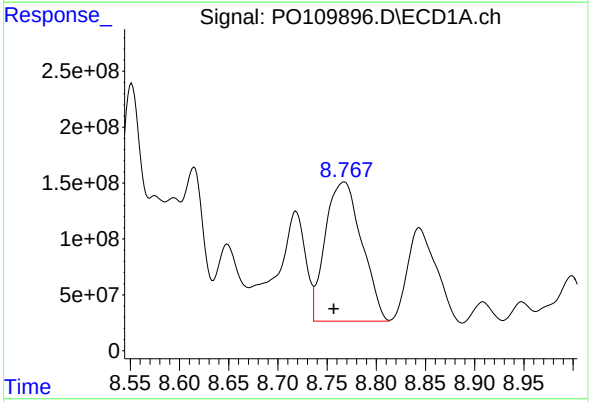
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



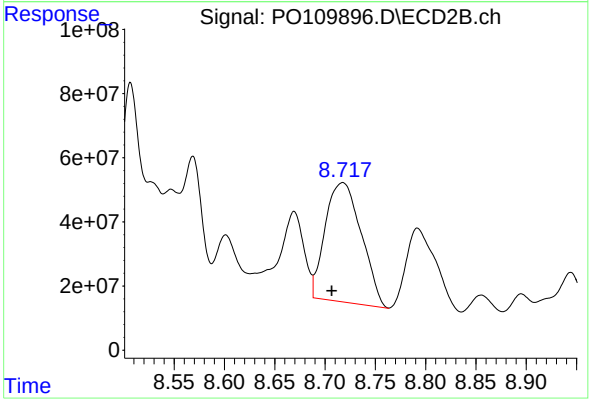
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.003 min
Response: 62421536
Conc: 11.93 ng/ml



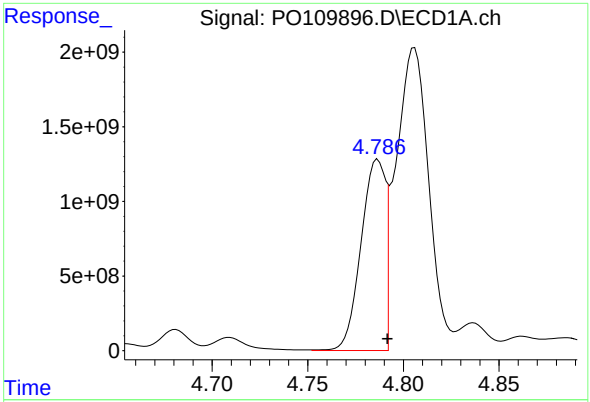
#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: 0.010 min
Response: 3209070478
Conc: 373.07 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.717 min
Delta R.T.: 0.011 min
Response: 925977279
Conc: 290.80 ng/ml m



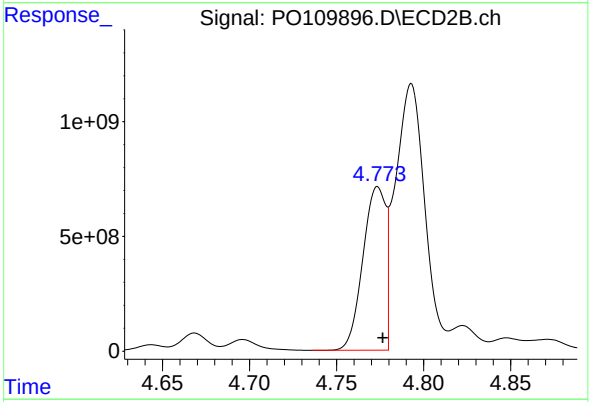
#21 AR-1248-1

R.T.: 4.786 min
Delta R.T.: -0.006 min
Response: 11162667038
Conc: 55950.68 ng/

Instrument :
ECD_O
ClientSampleId :
C0O22

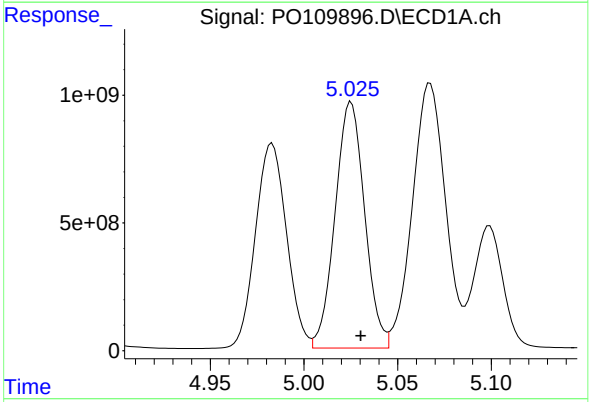
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



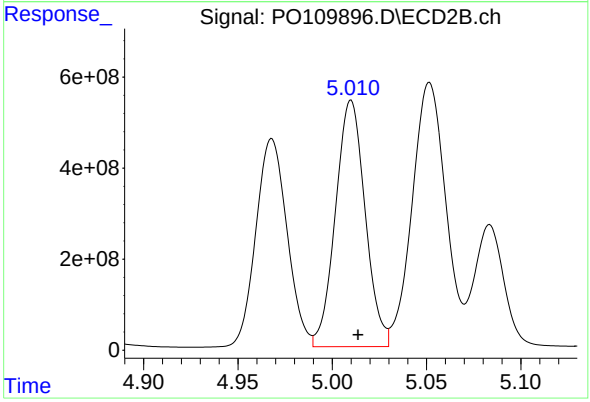
#21 AR-1248-1

R.T.: 4.774 min
Delta R.T.: -0.003 min
Response: 6458822979
Conc: 64249.56 ng/ml



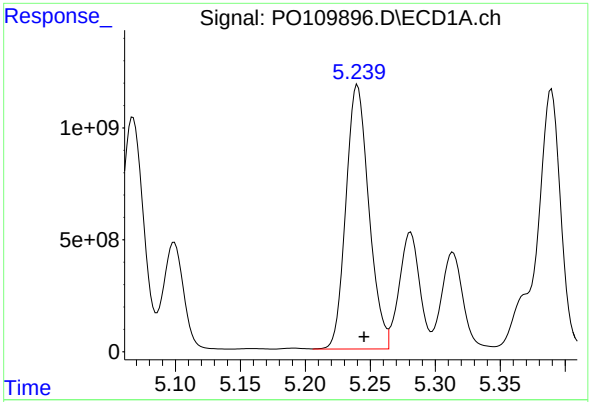
#22 AR-1248-2

R.T.: 5.025 min
Delta R.T.: -0.005 min
Response: 10586071410
Conc: 38039.61 ng/ml



#22 AR-1248-2

R.T.: 5.010 min
Delta R.T.: -0.004 min
Response: 5928434402
Conc: 40750.93 ng/ml



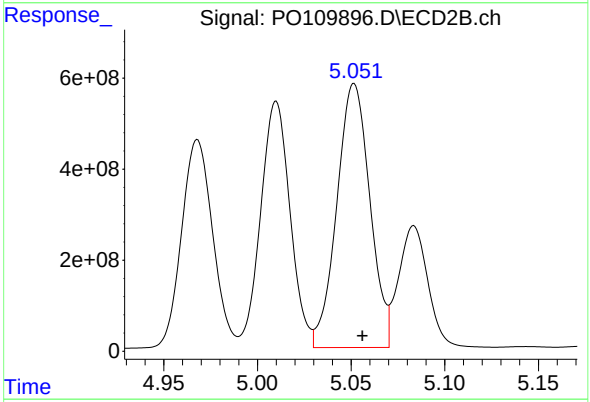
#23 AR-1248-3

R.T.: 5.241 min
Delta R.T.: -0.004 min
Response: 12741648082
Conc: 36470.07 ng/

Instrument :
ECD_O
ClientSampleId :
C0O22

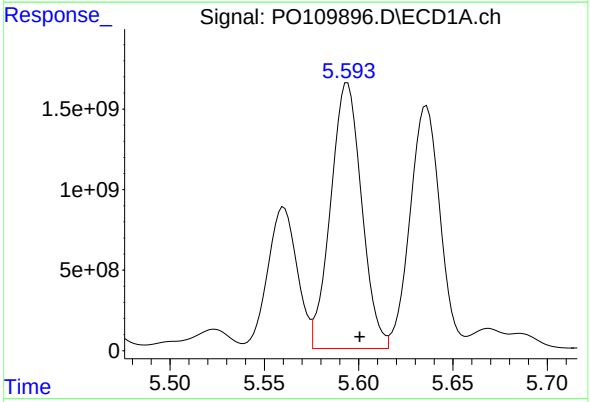
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



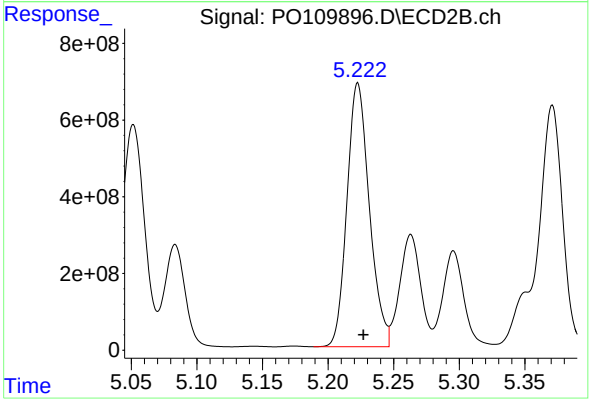
#23 AR-1248-3

R.T.: 5.052 min
Delta R.T.: -0.004 min
Response: 7127990823
Conc: 45984.62 ng/ml



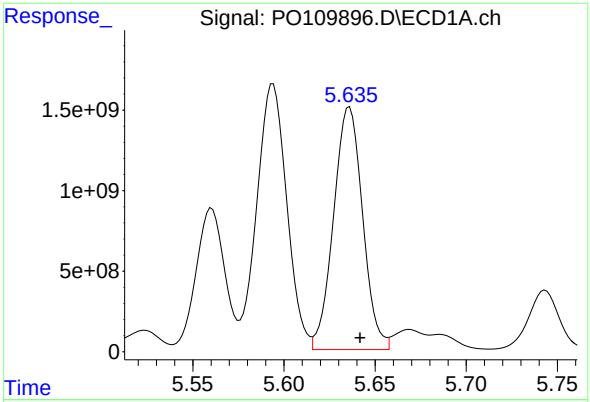
#24 AR-1248-4

R.T.: 5.592 min
Delta R.T.: -0.008 min
Response: 15304096228
Conc: 32077.69 ng/ml



#24 AR-1248-4

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 8178571325
Conc: 45236.20 ng/ml



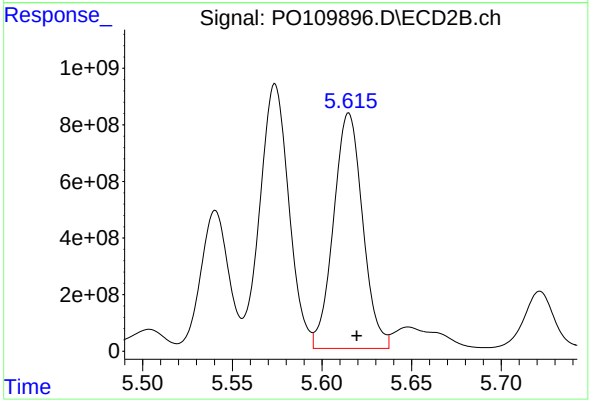
#25 AR-1248-5

R.T.: 5.633 min
Delta R.T.: -0.009 min
Response: 14933614006
Conc: 43600.58 ng/

Instrument :
ECD_O
ClientSampleId :
C0O22

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



#25 AR-1248-5

R.T.: 5.615 min
Delta R.T.: -0.004 min
Response: 9418216801
Conc: 54692.13 ng/ml

Raw Data: **PO109931.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O22DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-10DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	65.9 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109931.D	100	03/14/25 12:25	03/17/25 13:08	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2600	UD	598	2600	ug/kg
11104-28-2	Aroclor-1221	2600	UD	611	2600	ug/kg
11141-16-5	Aroclor-1232	2600	UD	564	2600	ug/kg
53469-21-9	Aroclor-1242	2600	UD	607	2600	ug/kg
12672-29-6	Aroclor-1248	41000	D	897	2600	ug/kg
11097-69-1	Aroclor-1254	2600	UD	486	2600	ug/kg
37324-23-5	Aroclor-1262	2600	UD	760	2600	ug/kg
11100-14-4	Aroclor-1268	2600	UD	545	2600	ug/kg
11096-82-5	Aroclor-1260	2600	UD	489	2600	ug/kg
Total PCBs	Total PCBs	41000	D	897	2600	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:08
Operator : YP/AJ
Sample : Q1572-10DL 100X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O22DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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						
	Target Compounds						
21)	L5 AR-1248-1	4.787	4.773	197.1E6	103.6E6	987.700	1030.403
22)	L5 AR-1248-2	5.025	5.009	181.1E6	98895203	650.785	679.787
23)	L5 AR-1248-3	5.240	5.052	247.3E6	119.9E6	707.859	773.201
24)	L5 AR-1248-4	5.594	5.223	297.2E6	135.8E6	622.992	750.859
25)	L5 AR-1248-5	5.636	5.615	258.9E6	141.8E6	755.810	823.590

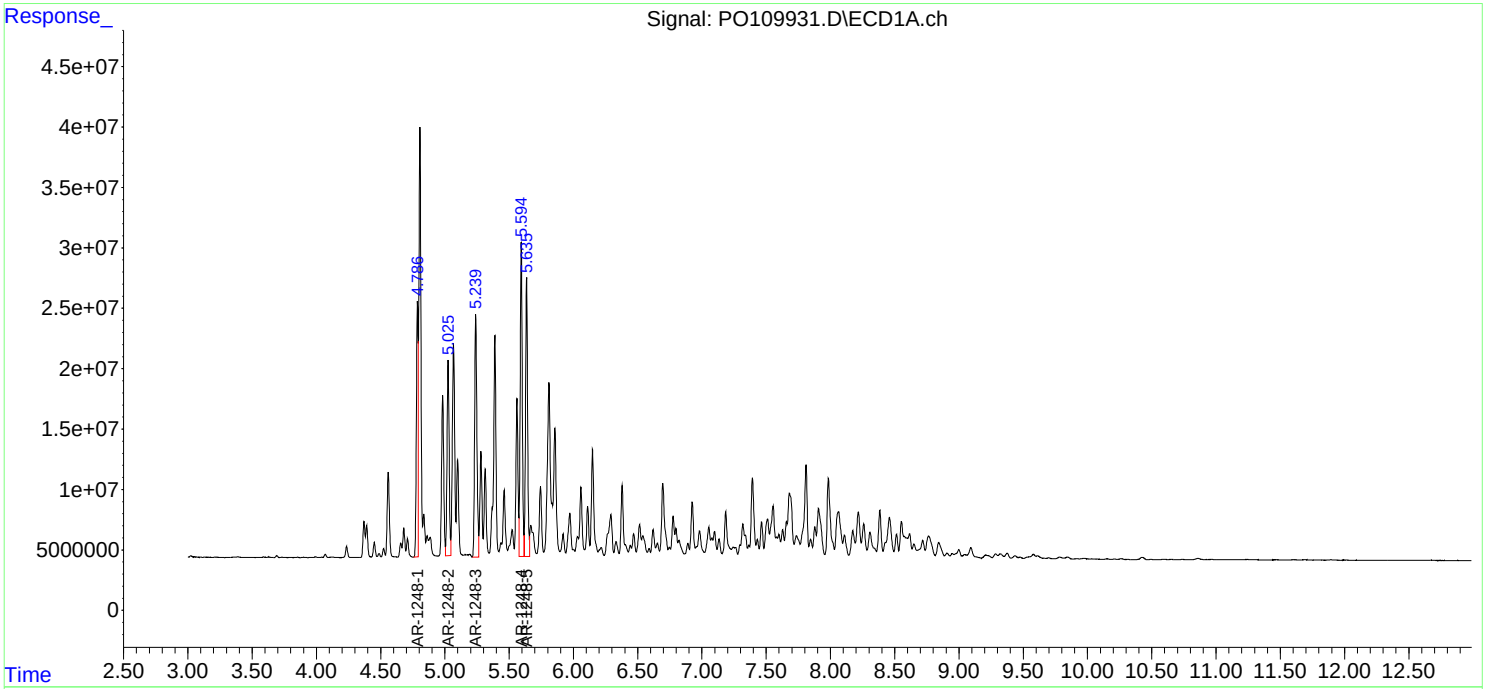
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

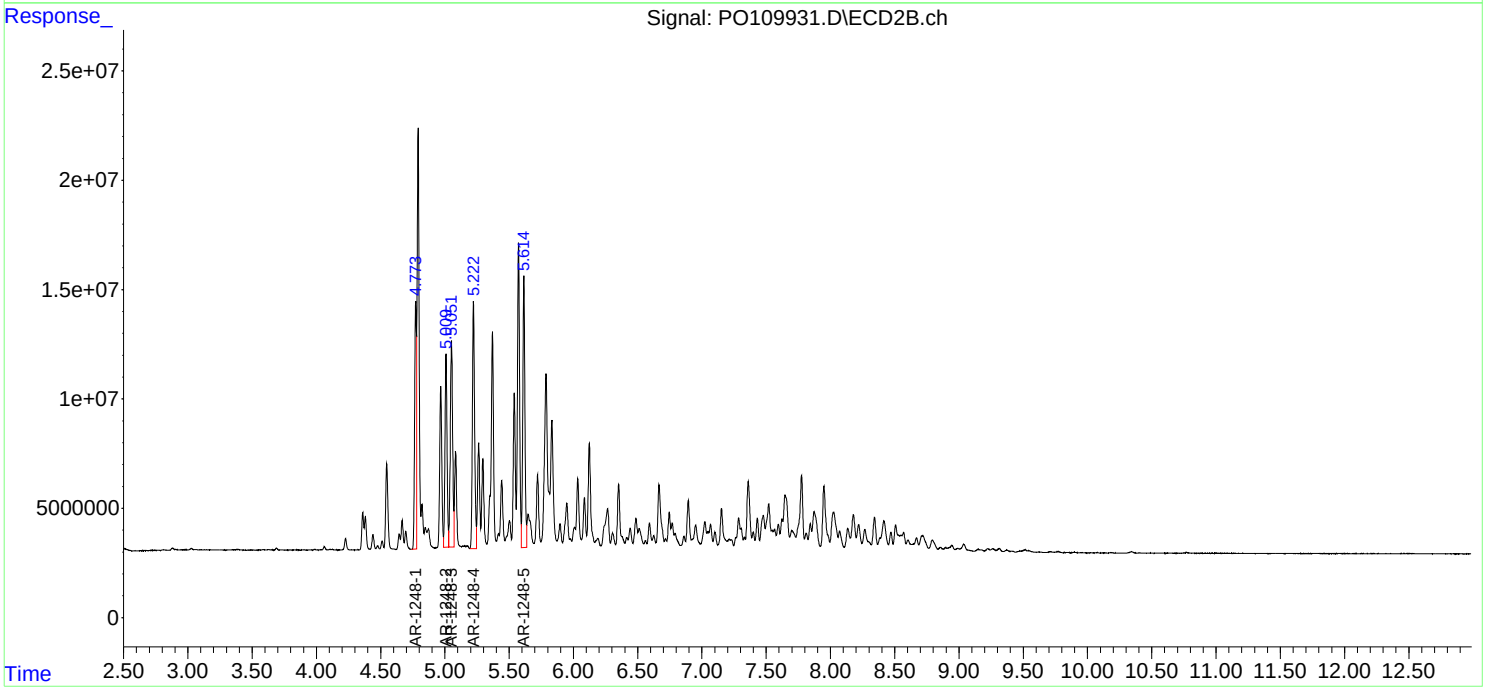
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:08
Operator : YP/AJ
Sample : Q1572-10DL 100X
Misc :
ALS Vial : 10 Sample Multiplier: 1

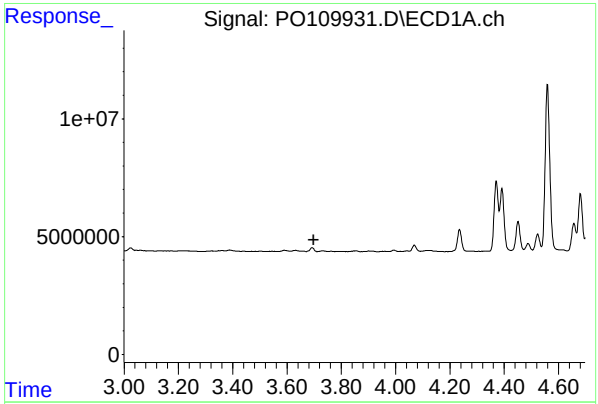
Instrument :
ECD_O
ClientSampleId :
C0O22DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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



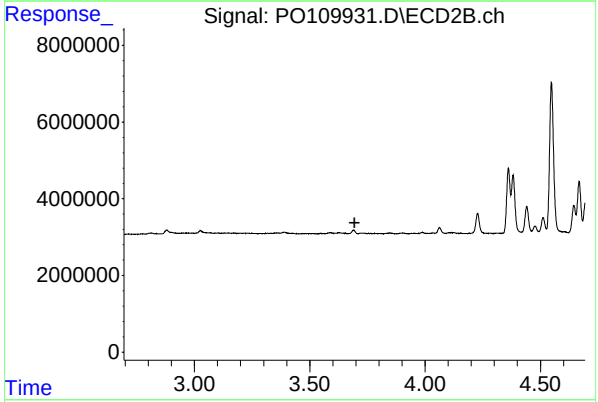




#1 Tetrachloro-m-xylene

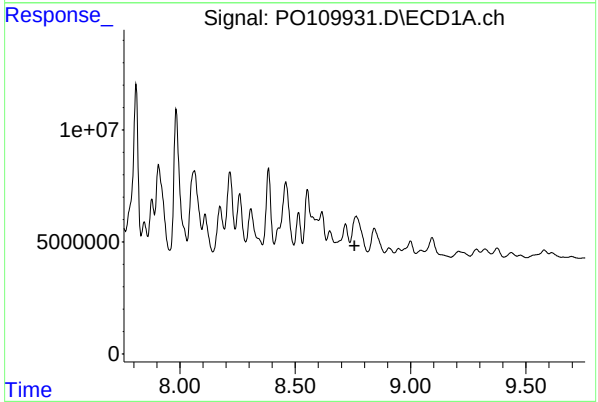
R.T.: 0.000 min
Exp R.T. : 3.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
C0O22DL



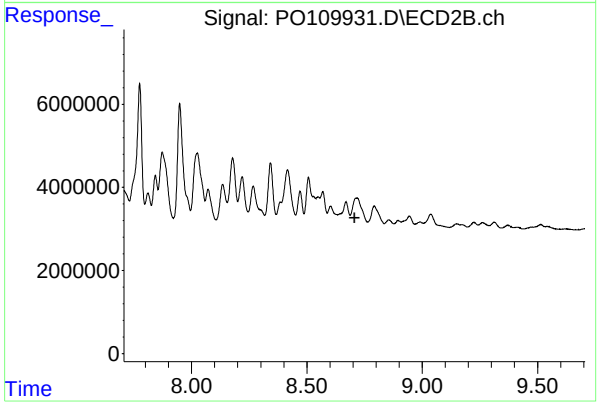
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.694 min
Response: 0
Conc: N.D.



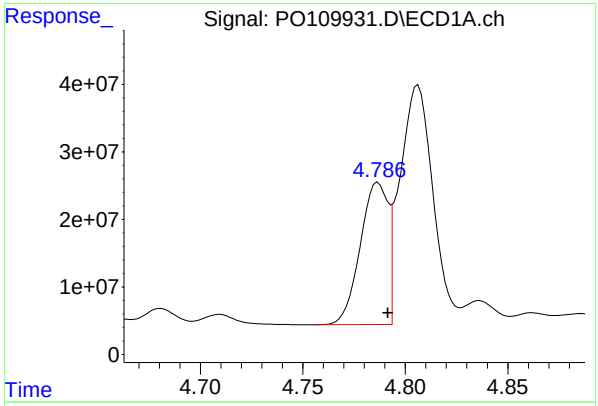
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.757 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

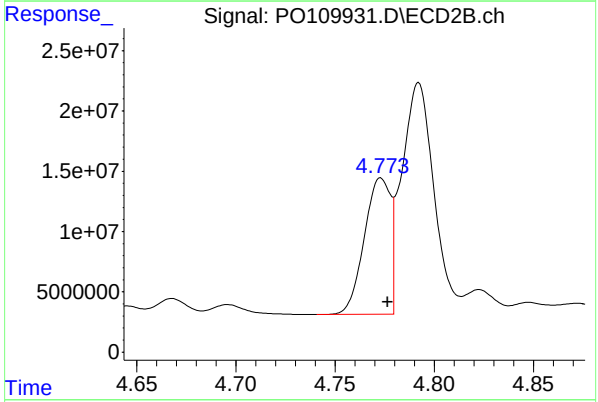
R.T.: 0.000 min
Exp R.T. : 8.707 min
Response: 0
Conc: N.D.



#21 AR-1248-1

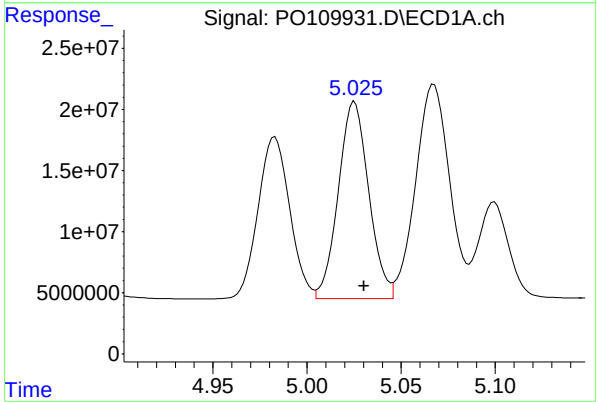
R.T.: 4.787 min
Delta R.T.: -0.005 min
Response: 197055100
Conc: 987.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O22DL



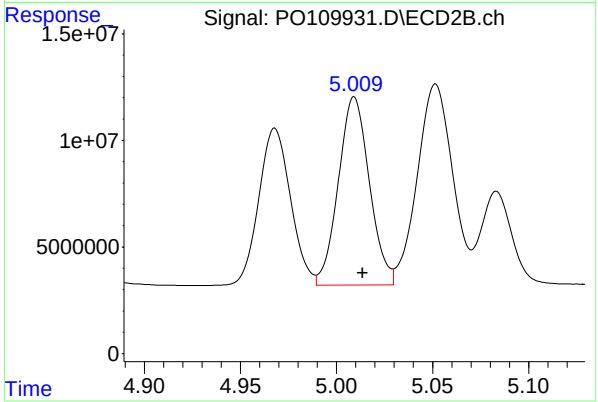
#21 AR-1248-1

R.T.: 4.773 min
Delta R.T.: -0.004 min
Response: 103583478
Conc: 1030.40 ng/ml



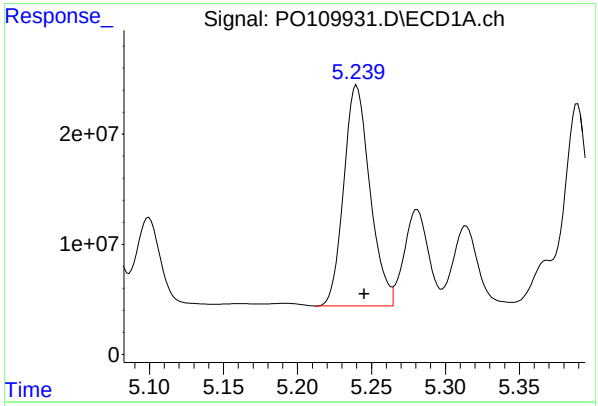
#22 AR-1248-2

R.T.: 5.025 min
Delta R.T.: -0.005 min
Response: 181107473
Conc: 650.79 ng/ml



#22 AR-1248-2

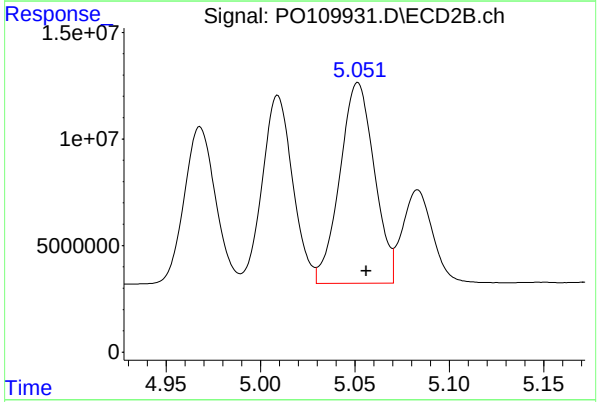
R.T.: 5.009 min
Delta R.T.: -0.004 min
Response: 98895203
Conc: 679.79 ng/ml



#23 AR-1248-3

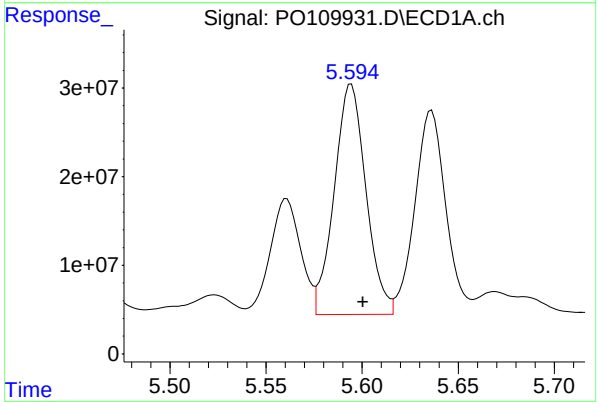
R.T.: 5.240 min
Delta R.T.: -0.005 min
Response: 247306520
Conc: 707.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O22DL



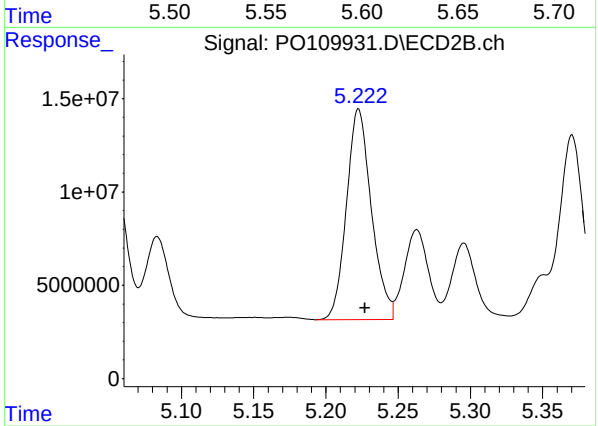
#23 AR-1248-3

R.T.: 5.052 min
Delta R.T.: -0.004 min
Response: 119852505
Conc: 773.20 ng/ml



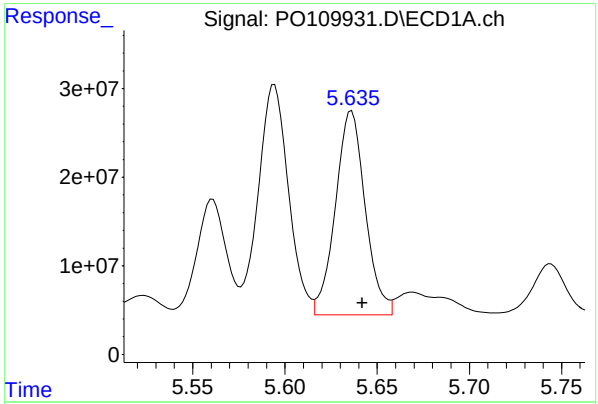
#24 AR-1248-4

R.T.: 5.594 min
Delta R.T.: -0.006 min
Response: 297226032
Conc: 622.99 ng/ml



#24 AR-1248-4

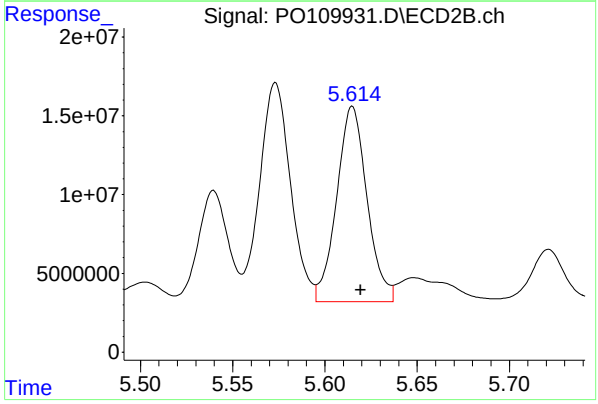
R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 135753016
Conc: 750.86 ng/ml



#25 AR-1248-5

R.T.: 5.636 min
Delta R.T.: -0.006 min
Response: 258872045
Conc: 755.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O22DL



#25 AR-1248-5

R.T.: 5.615 min
Delta R.T.: -0.004 min
Response: 141825772
Conc: 823.59 ng/ml

Raw Data: **PO109897.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O23	SDG No.:	Q1572
Lab Sample ID:	Q1572-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109897.D	1	03/14/25 12:25	03/14/25 17:21	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.3	U	4.70	20.3	ug/kg
11104-28-2	Aroclor-1221	20.3	U	4.80	20.3	ug/kg
11141-16-5	Aroclor-1232	20.3	U	4.40	20.3	ug/kg
53469-21-9	Aroclor-1242	20.3	U	4.80	20.3	ug/kg
12672-29-6	Aroclor-1248	1600	E	7.10	20.3	ug/kg
11097-69-1	Aroclor-1254	20.3	U	3.80	20.3	ug/kg
37324-23-5	Aroclor-1262	20.3	U	6.00	20.3	ug/kg
11100-14-4	Aroclor-1268	20.3	U	4.30	20.3	ug/kg
11096-82-5	Aroclor-1260	20.3	U	3.90	20.3	ug/kg
Total PCBs	Total PCBs	1600		7.10	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	44.3	*	32 - 175	222%	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: **PO109897.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:21
Operator : YP/AJ
Sample : Q1572-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O23

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:35:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.691	177.4E6	98018575	18.746	18.727
2)	SA Decachlor...	8.744	8.695	381.1E6	134.6E6	44.307m	42.269m
	Target Compounds						
21)	L5 AR-1248-1	4.785	4.773	746.7E6	394.9E6	3742.930	3928.439
22)	L5 AR-1248-2	5.024	5.009	969.2E6	527.7E6	3482.825	3627.098
23)	L5 AR-1248-3	5.239	5.051	1094.3E6	553.6E6	3132.205	3571.623
24)	L5 AR-1248-4	5.593	5.222	2053.1E6	604.2E6	4303.357	3341.918
25)	L5 AR-1248-5	5.635	5.614	1785.3E6	964.0E6	5212.331	5597.787

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:21
Operator : YP/AJ
Sample : Q1572-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

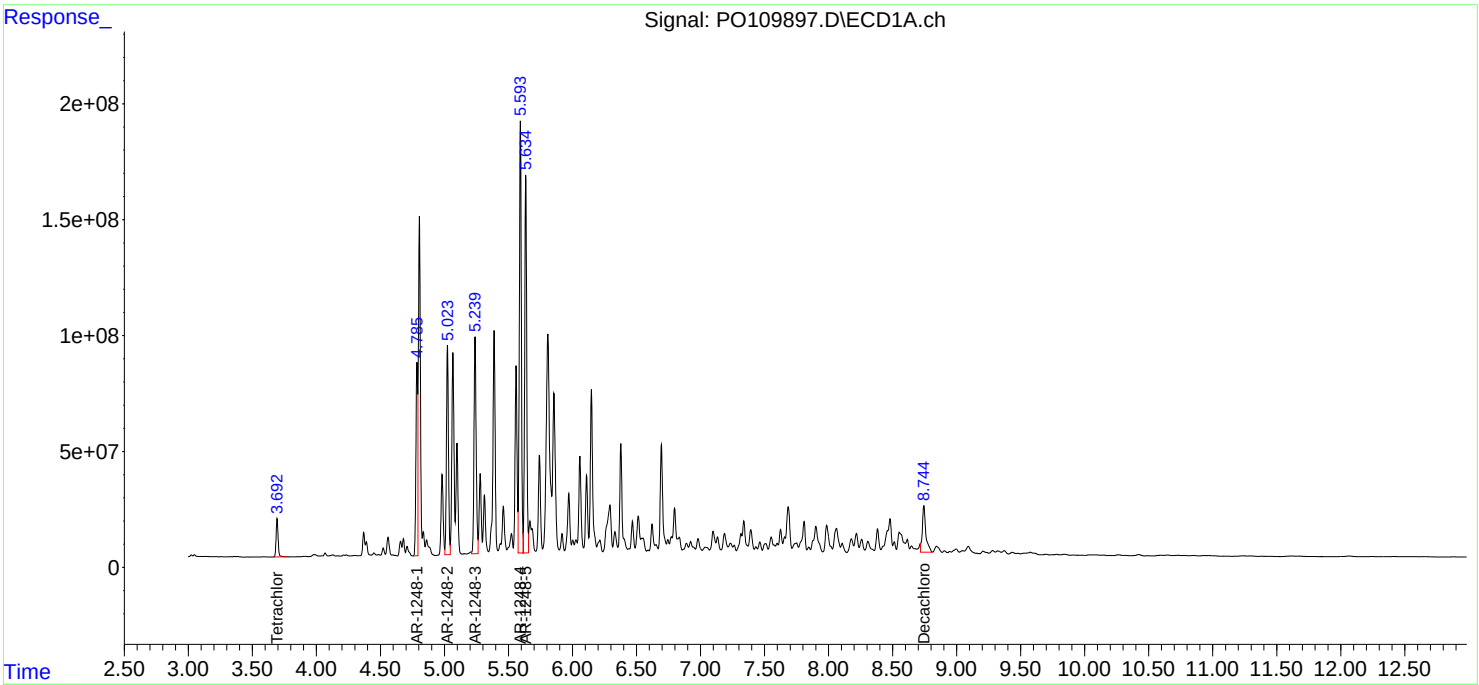
Instrument :
ECD_O
ClientSampleId :
C0O23

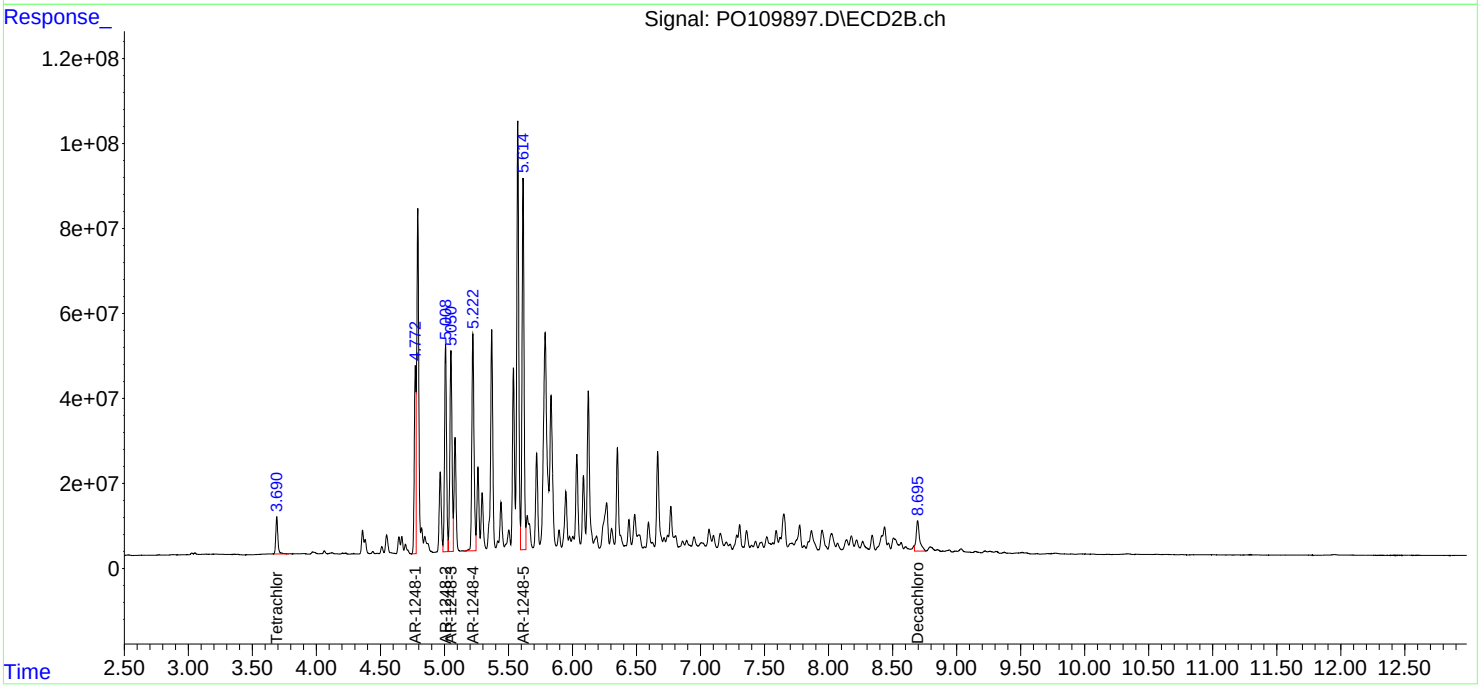
Manual Integrations APPROVED

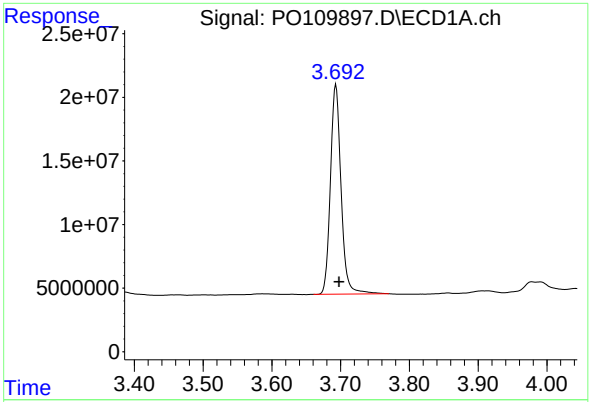
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:35:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







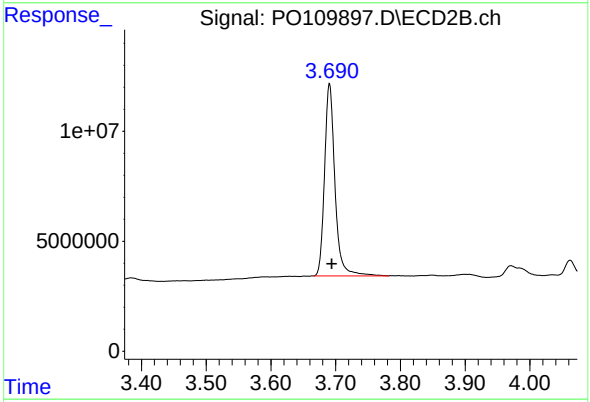
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 177434706
Conc: 18.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O23

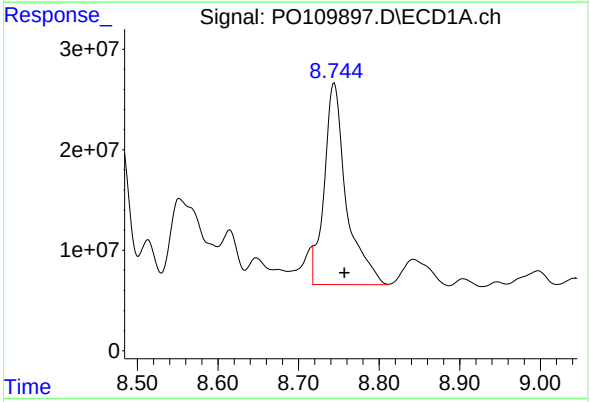
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



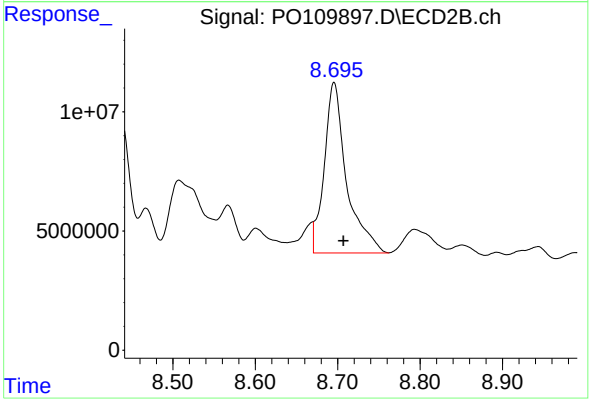
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 98018575
Conc: 18.73 ng/ml



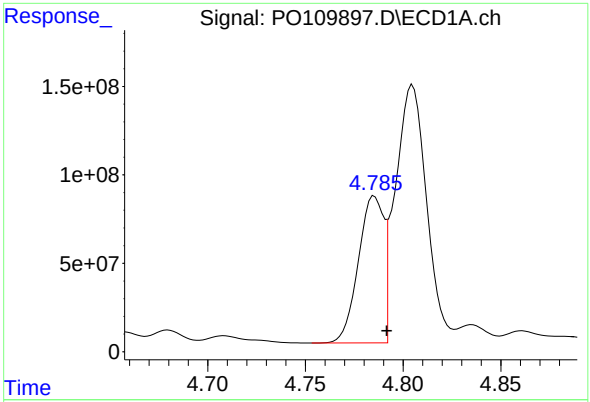
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.013 min
Response: 381118763
Conc: 44.31 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.012 min
Response: 134594176
Conc: 42.27 ng/ml m



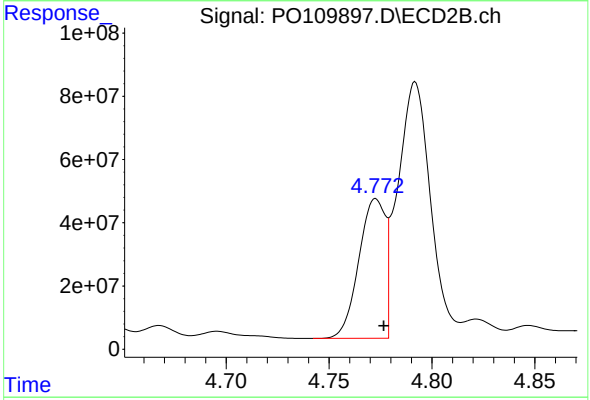
#21 AR-1248-1

R.T.: 4.785 min
Delta R.T.: -0.006 min
Response: 746748367
Conc: 3742.93 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O23

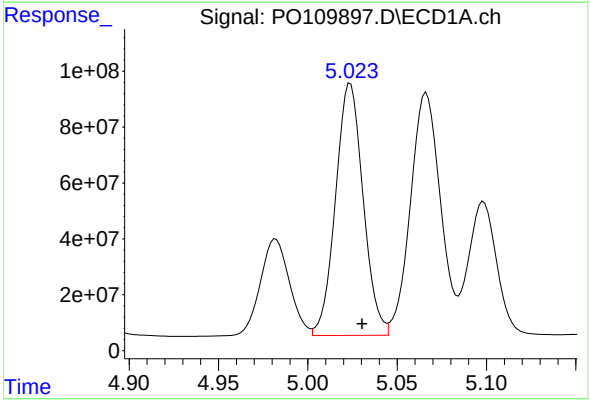
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



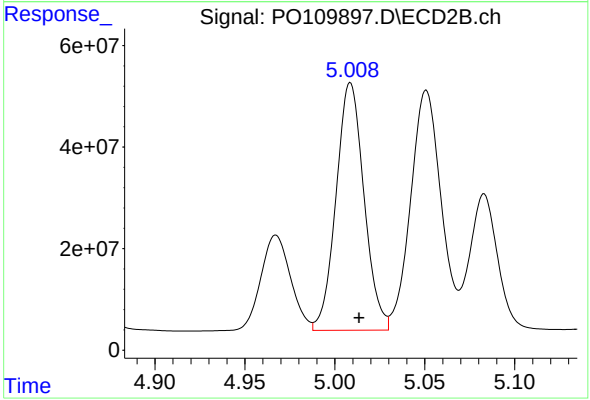
#21 AR-1248-1

R.T.: 4.773 min
Delta R.T.: -0.004 min
Response: 394914621
Conc: 3928.44 ng/ml



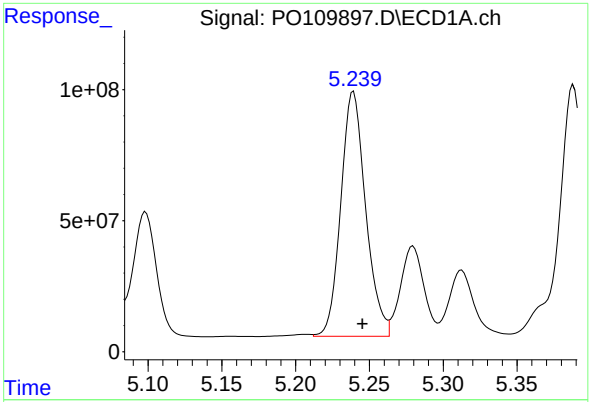
#22 AR-1248-2

R.T.: 5.024 min
Delta R.T.: -0.006 min
Response: 969237989
Conc: 3482.83 ng/ml



#22 AR-1248-2

R.T.: 5.009 min
Delta R.T.: -0.005 min
Response: 527669225
Conc: 3627.10 ng/ml



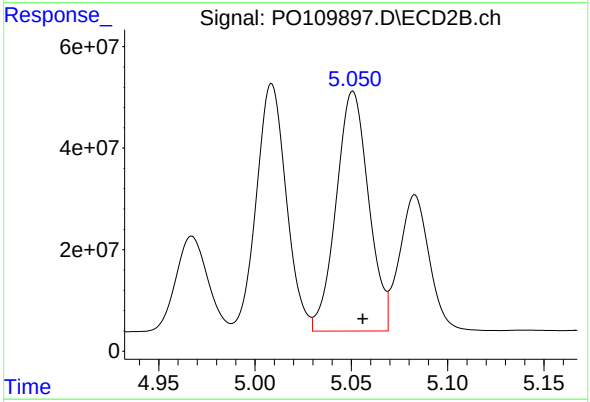
#23 AR-1248-3

R.T.: 5.239 min
Delta R.T.: -0.006 min
Response: 1094306736
Conc: 3132.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O23

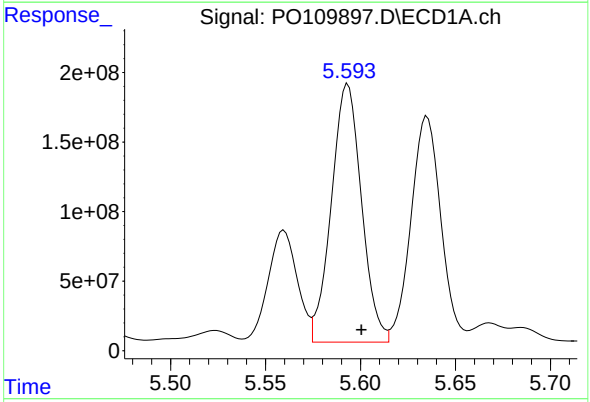
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



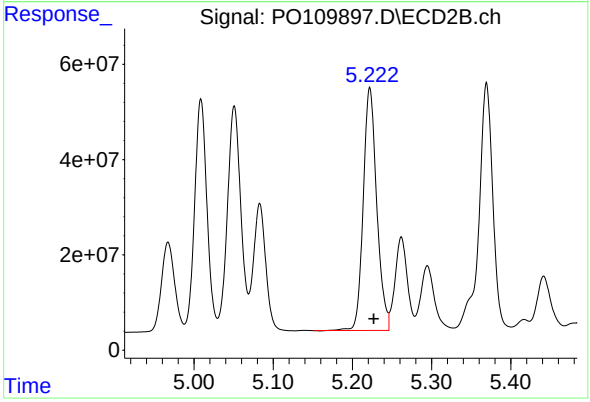
#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: -0.005 min
Response: 553630622
Conc: 3571.62 ng/ml



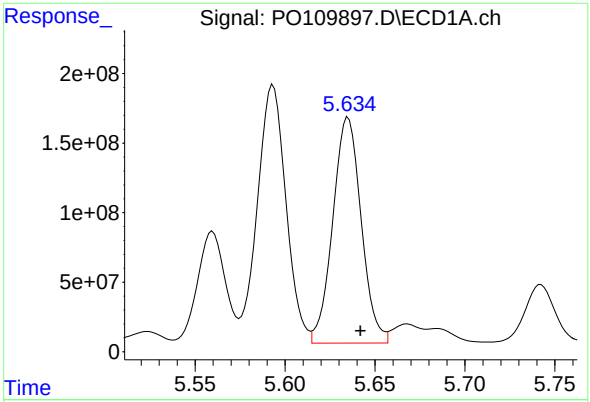
#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: -0.007 min
Response: 2053108872
Conc: 4303.36 ng/ml



#24 AR-1248-4

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 604208910
Conc: 3341.92 ng/ml



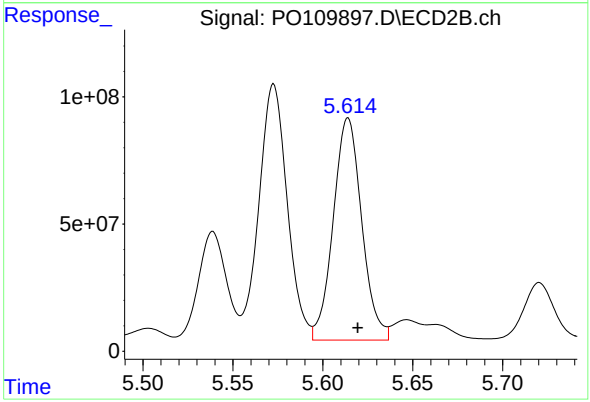
#25 AR-1248-5

R.T.: 5.635 min
Delta R.T.: -0.007 min
Response: 1785272988
Conc: 5212.33 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O23

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



#25 AR-1248-5

R.T.: 5.614 min
Delta R.T.: -0.005 min
Response: 963962674
Conc: 5597.79 ng/ml

Raw Data: **PO109932.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O23DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-11DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109932.D	10	03/14/25 12:25	03/17/25 13:27	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	203	UD	47.1	203	ug/kg
11104-28-2	Aroclor-1221	203	UD	48.0	203	ug/kg
11141-16-5	Aroclor-1232	203	UD	44.3	203	ug/kg
53469-21-9	Aroclor-1242	203	UD	47.8	203	ug/kg
12672-29-6	Aroclor-1248	2000	D	70.6	203	ug/kg
11097-69-1	Aroclor-1254	203	UD	38.3	203	ug/kg
37324-23-5	Aroclor-1262	203	UD	59.8	203	ug/kg
11100-14-4	Aroclor-1268	203	UD	42.9	203	ug/kg
11096-82-5	Aroclor-1260	203	UD	38.5	203	ug/kg
Total PCBs	Total PCBs	2000	D	70.6	203	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	54.3	*	32 - 175	272%	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: **PO109932.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:27
Operator : YP/AJ
Sample : Q1572-11DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O23DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:32:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.691	20249996	11541560	2.139	2.205
2)	SA Decachlor...	8.745	8.698	45106592	17296711	5.244m	5.432m
	Target Compounds						
21)	L5 AR-1248-1	4.786	4.773	92425474	48739037	463.265	484.835
22)	L5 AR-1248-2	5.025	5.009	122.1E6	66654507	438.573	458.170
23)	L5 AR-1248-3	5.240	5.051	138.8E6	70378790	397.378	454.033
24)	L5 AR-1248-4	5.594	5.223	243.1E6	75990172	509.613	420.307
25)	L5 AR-1248-5	5.636	5.615	212.4E6	114.8E6	620.152	666.812

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

Sample Results: **PO109932.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:27
Operator : YP/AJ
Sample : Q1572-11DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

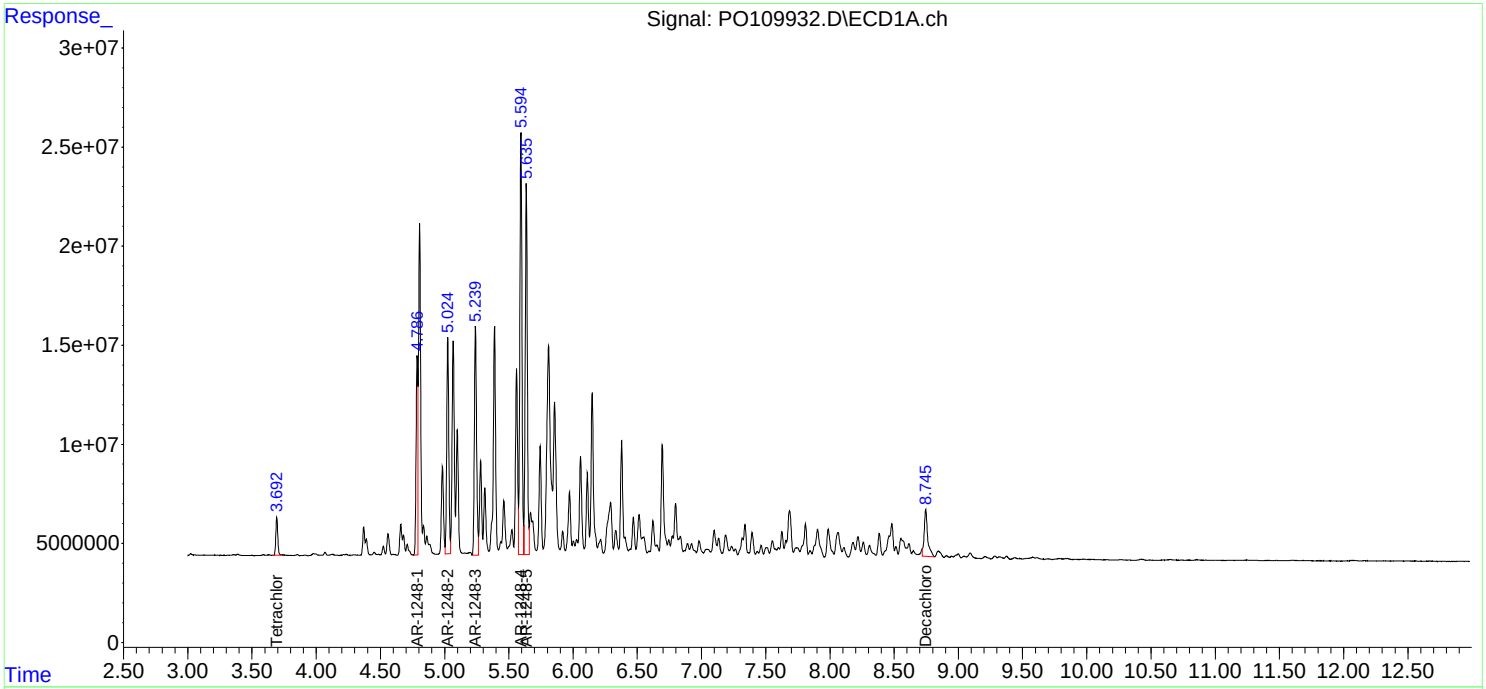
Instrument :
ECD_O
ClientSampleId :
C0O23DL

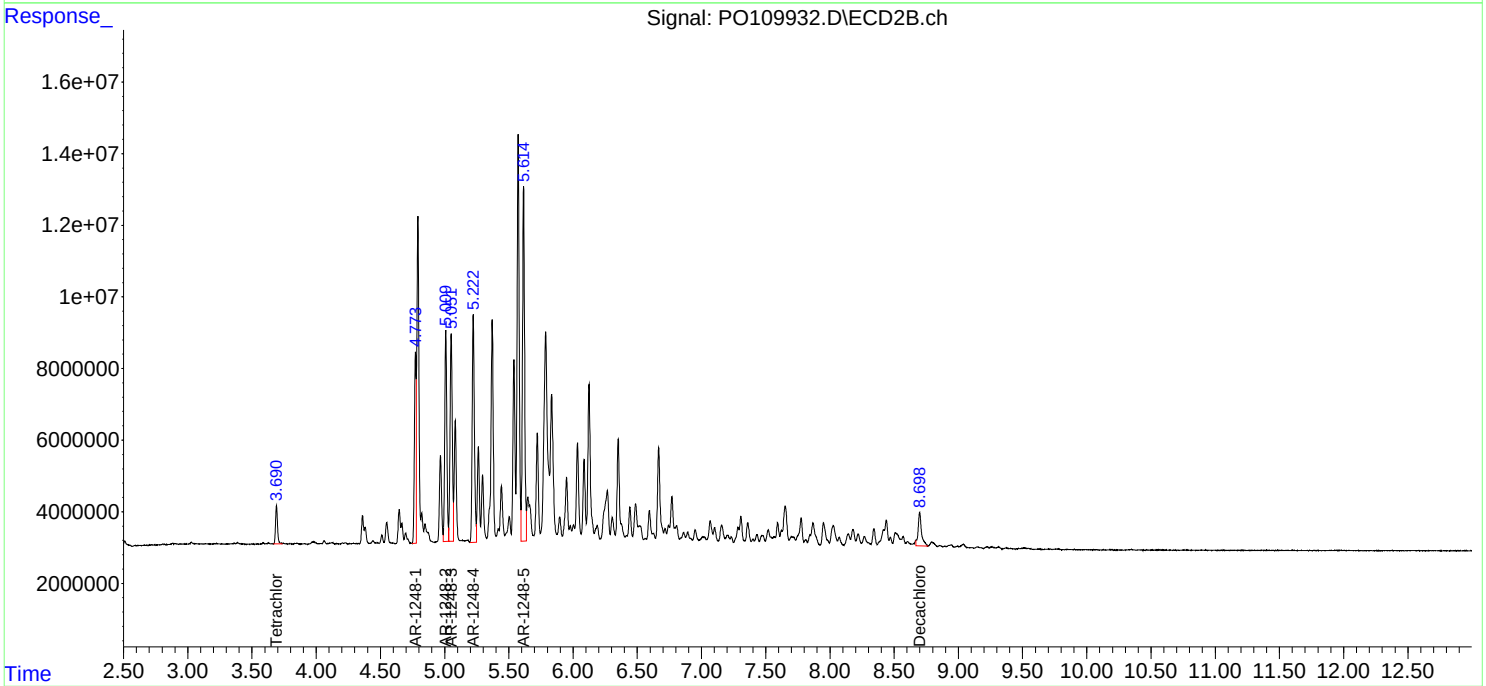
Manual Integrations APPROVED

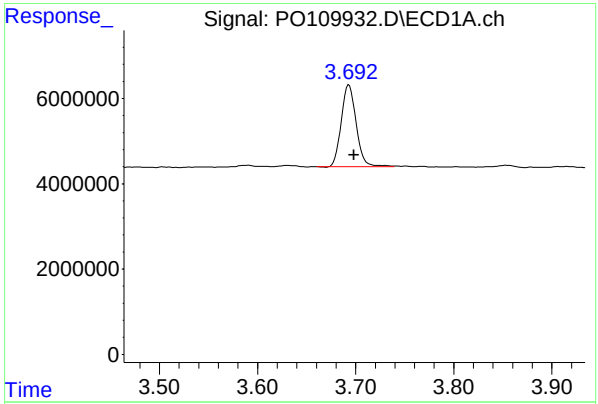
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:32:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







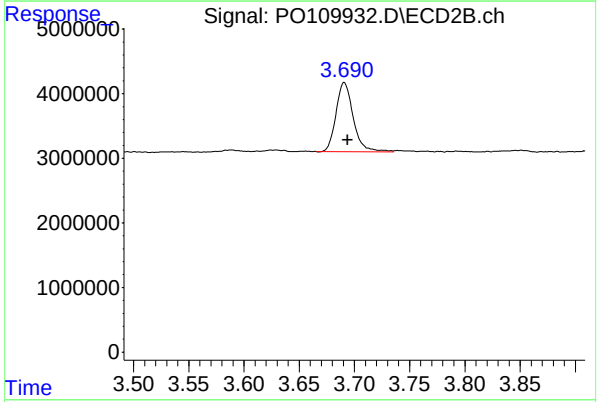
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.005 mi
Response: 20249996
Conc: 2.14 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O23DL

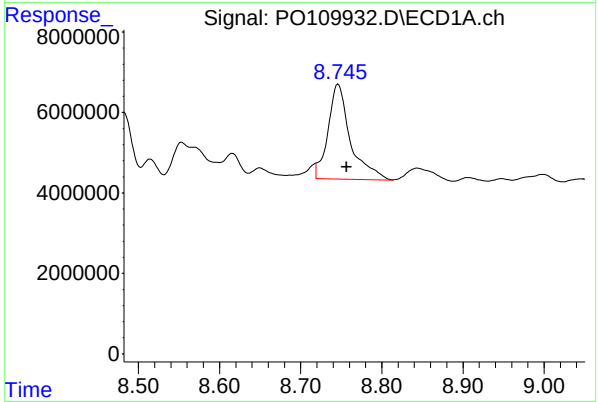
Manual Integrations
APPROVED

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



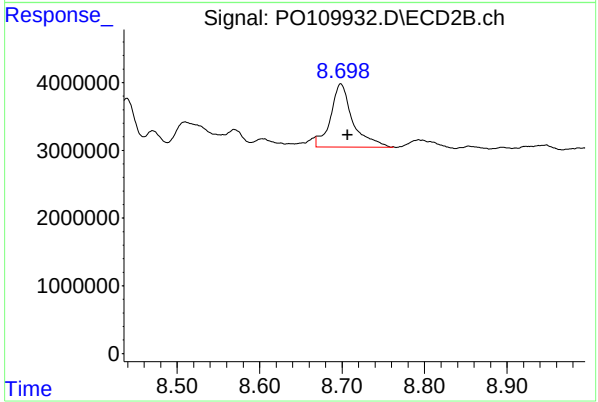
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 11541560
Conc: 2.21 ng/ml



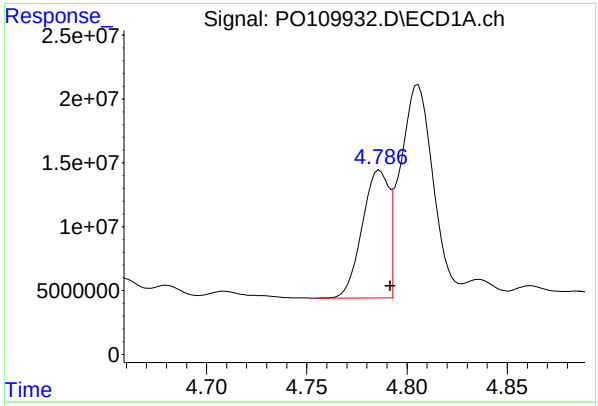
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: -0.011 min
Response: 45106592
Conc: 5.24 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.698 min
Delta R.T.: -0.009 min
Response: 17296711
Conc: 5.43 ng/ml m



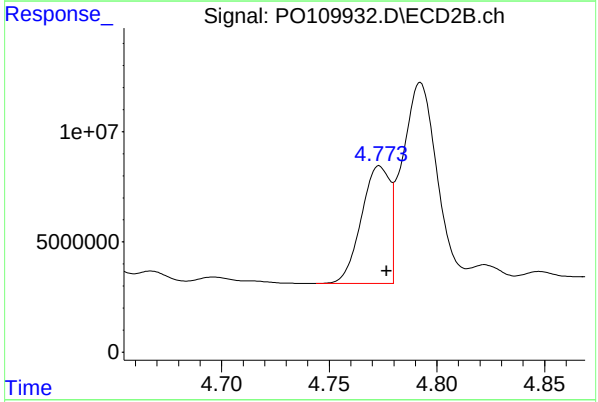
#21 AR-1248-1

R.T.: 4.786 min
Delta R.T.: -0.005 min
Response: 92425474
Conc: 463.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O23DL

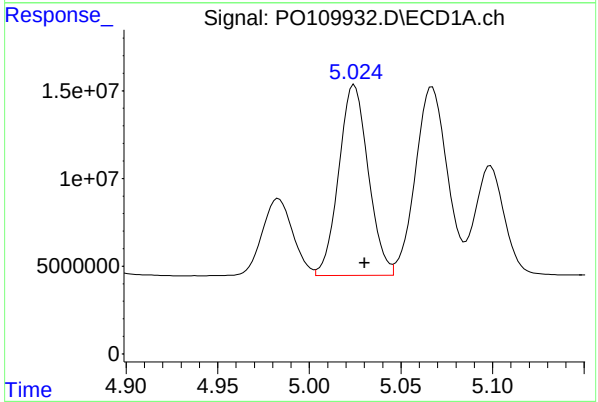
Manual Integrations
APPROVED

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



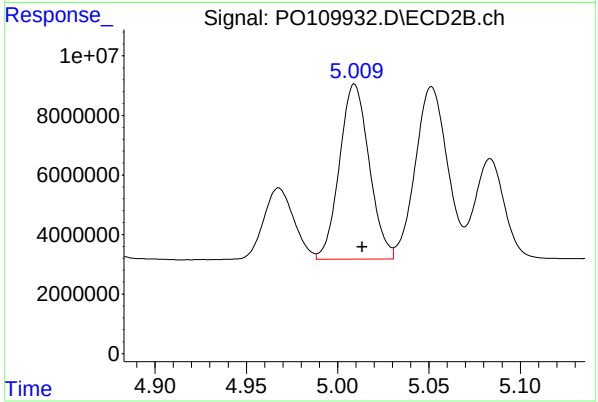
#21 AR-1248-1

R.T.: 4.773 min
Delta R.T.: -0.003 min
Response: 48739037
Conc: 484.83 ng/ml



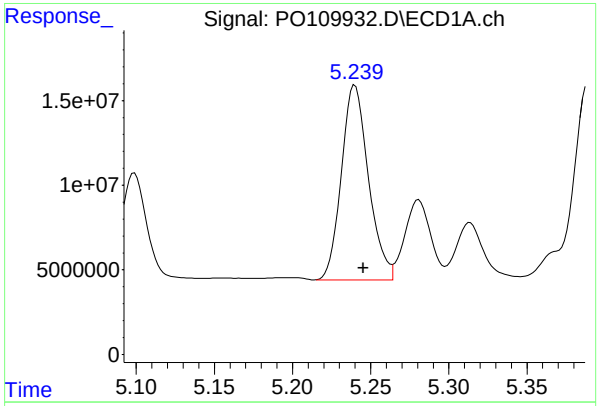
#22 AR-1248-2

R.T.: 5.025 min
Delta R.T.: -0.006 min
Response: 122050703
Conc: 438.57 ng/ml



#22 AR-1248-2

R.T.: 5.009 min
Delta R.T.: -0.004 min
Response: 66654507
Conc: 458.17 ng/ml



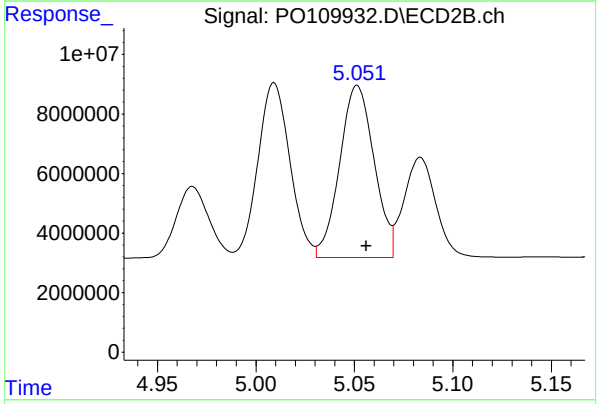
#23 AR-1248-3

R.T.: 5.240 min
Delta R.T.: -0.005 min
Response: 138833051
Conc: 397.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O23DL

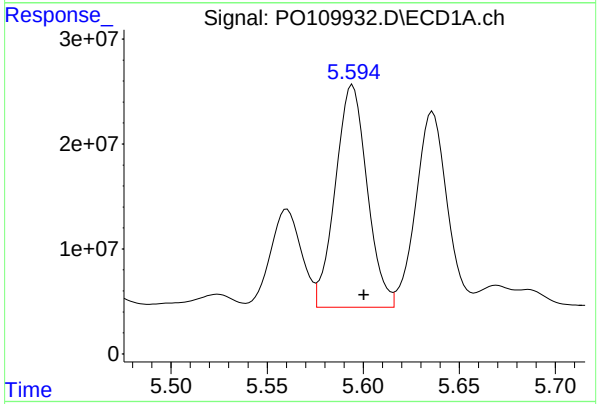
Manual Integrations
APPROVED

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



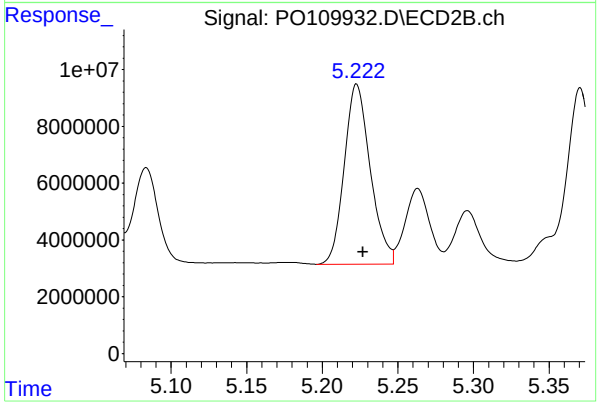
#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: -0.005 min
Response: 70378790
Conc: 454.03 ng/ml



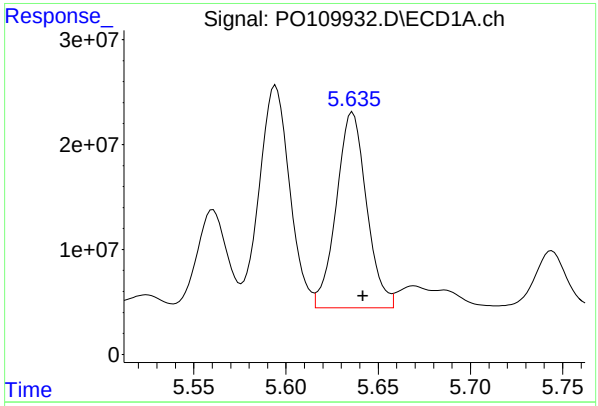
#24 AR-1248-4

R.T.: 5.594 min
Delta R.T.: -0.006 min
Response: 243133502
Conc: 509.61 ng/ml



#24 AR-1248-4

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 75990172
Conc: 420.31 ng/ml



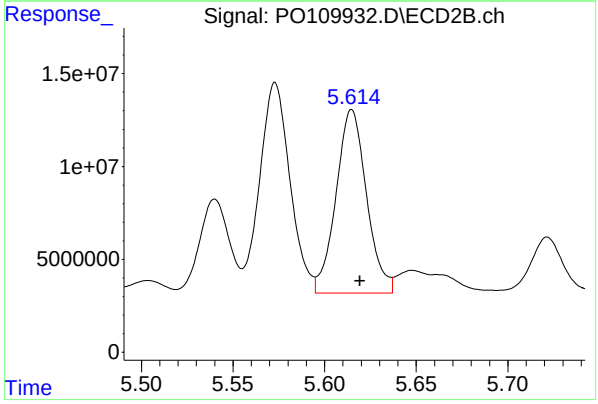
#25 AR-1248-5

R.T.: 5.636 min
Delta R.T.: -0.006 min
Response: 212408018
Conc: 620.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O23DL

Manual Integrations
APPROVED

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



#25 AR-1248-5

R.T.: 5.615 min
Delta R.T.: -0.004 min
Response: 114827838
Conc: 666.81 ng/ml

Raw Data: **PO109898.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O24	SDG No.:	Q1572
Lab Sample ID:	Q1572-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.8 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109898.D	1	03/14/25 12:25	03/14/25 17:39	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	22.7	U	5.30	22.7	ug/kg
11104-28-2	Aroclor-1221	22.7	U	5.40	22.7	ug/kg
11141-16-5	Aroclor-1232	22.7	U	5.00	22.7	ug/kg
53469-21-9	Aroclor-1242	22.7	U	5.30	22.7	ug/kg
12672-29-6	Aroclor-1248	69000	EP	7.90	22.7	ug/kg
11097-69-1	Aroclor-1254	22.7	U	4.30	22.7	ug/kg
37324-23-5	Aroclor-1262	22.7	U	6.70	22.7	ug/kg
11100-14-4	Aroclor-1268	22.7	U	4.80	22.7	ug/kg
11096-82-5	Aroclor-1260	5400	E	4.30	22.7	ug/kg
Total PCBs	Total PCBs	74000	EP	12.2	22.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.0		32 - 144	75%	SPK: 20
2051-24-3	Decachlorobiphenyl	69.7	*	32 - 175	349%	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: **PO109898.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:39
Operator : YP/AJ
Sample : Q1572-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O24

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:51:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	134.6E6	78747751	14.222	15.045
2)	SA Decachlor...	8.764	8.707	428.1E6	221.9E6	49.769m	69.696m#
	Target Compounds						
21)	L5 AR-1248-1	4.803	4.793	34020.4E6	27902.7E6	170520.469	277564.166 #
22)	L5 AR-1248-2	5.023	5.010	31066.6E6	16218.5E6	111633.741	111482.609
23)	L5 AR-1248-3	5.235	5.052	27875.5E6	18053.8E6	79787.406	116469.964 #
24)	L5 AR-1248-4	5.593	5.223	28266.9E6	22357.7E6	59248.088	123661.911 #
25)	L5 AR-1248-5	5.633	5.615	27303.6E6	24442.5E6	79716.358	141939.190 #
31)	L7 AR-1260-1	6.292	6.267	12417.5E6	7172.9E6	26639.556m	30275.734m
32)	L7 AR-1260-2	6.469	6.442	4532.5E6	2207.5E6	8020.479	8022.431
33)	L7 AR-1260-3	6.835	6.594	2566.4E6	2682.9E6	5395.466	10518.186 #
34)	L7 AR-1260-4	7.098	7.066	2850.5E6	1382.5E6	6604.554	6704.975
35)	L7 AR-1260-5	7.338	7.306	5697.3E6	2582.2E6	5732.402m	5766.700m

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

Sample Results: **PO109898.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:39
Operator : YP/AJ
Sample : Q1572-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

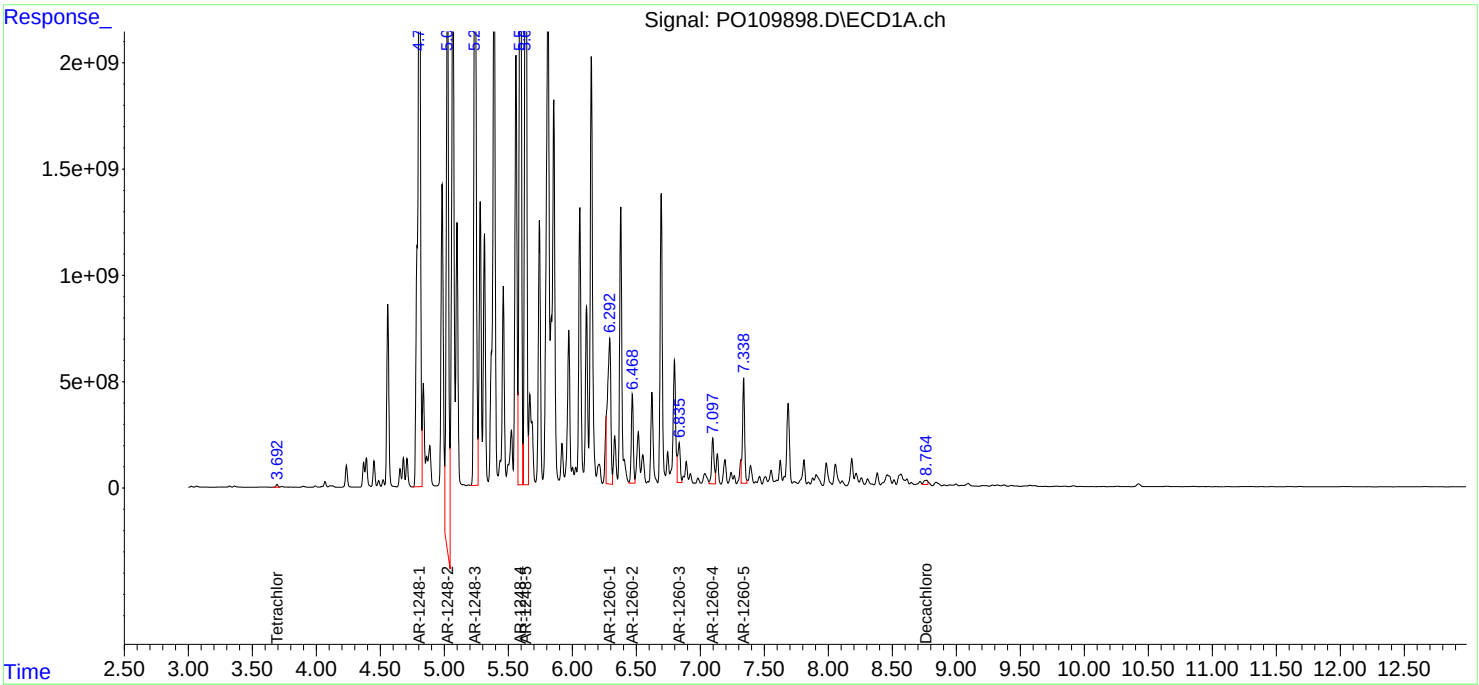
Instrument :
ECD_O
ClientSampleId :
C0O24

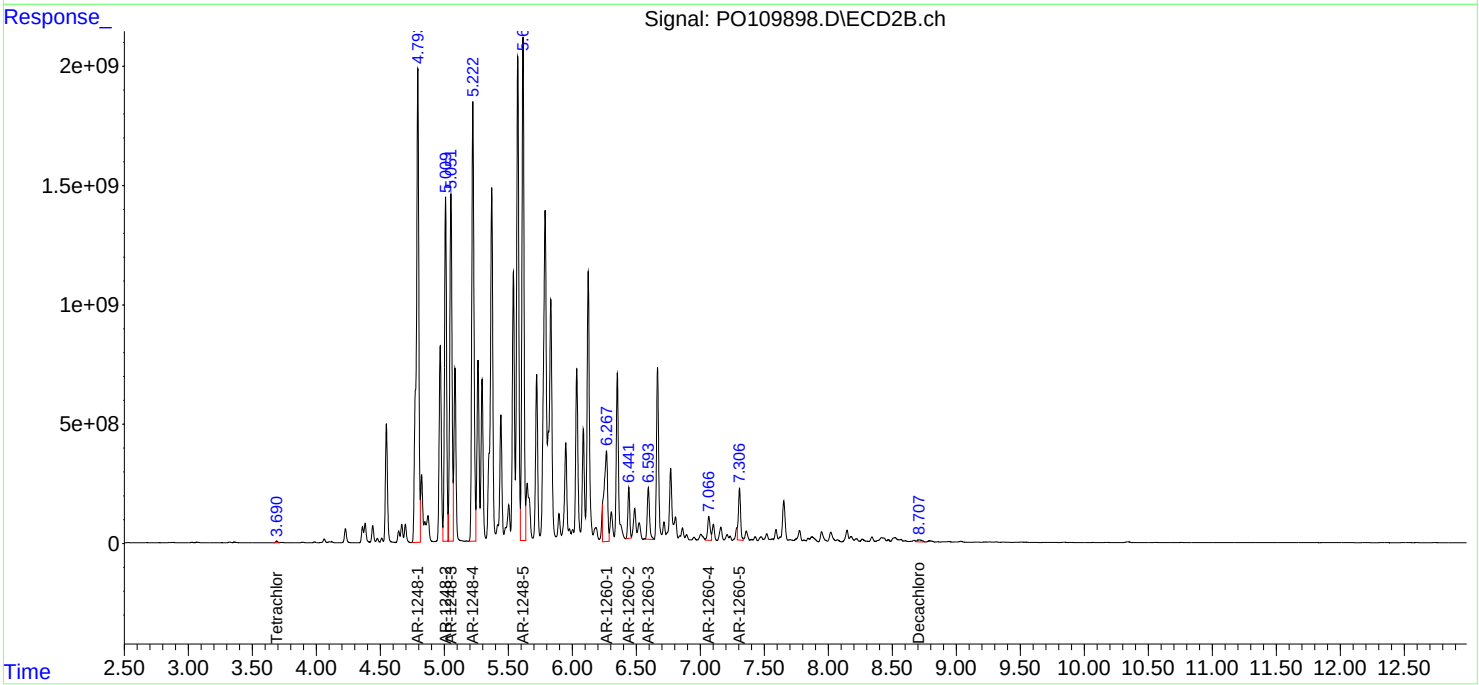
Manual Integrations APPROVED

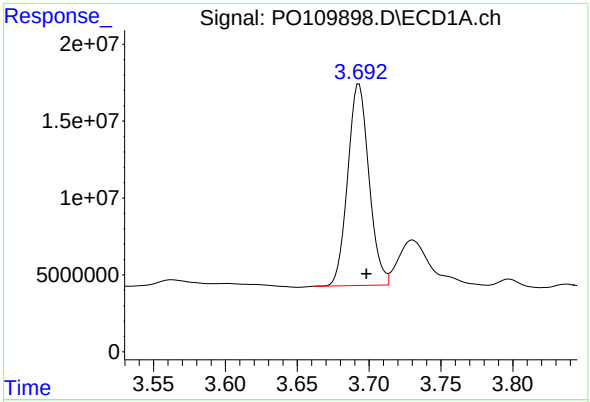
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:51:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







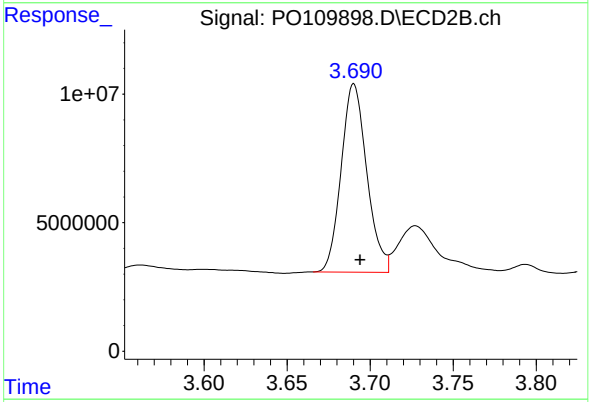
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 134609786
Conc: 14.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O24

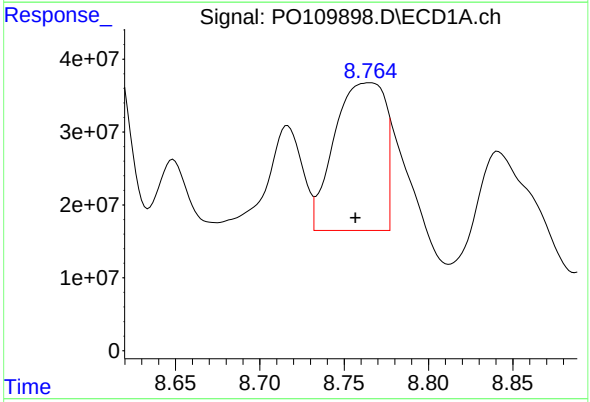
Manual Integrations
APPROVED

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



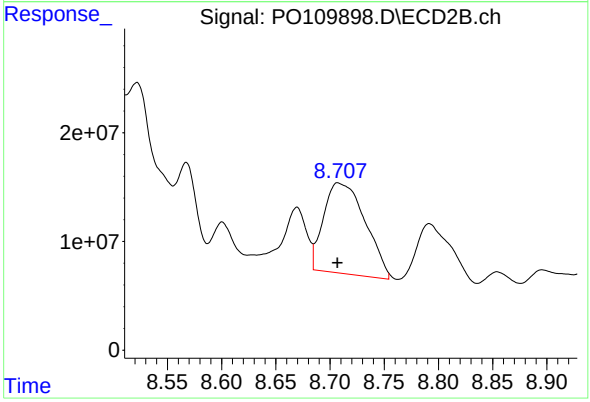
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 78747751
Conc: 15.04 ng/ml



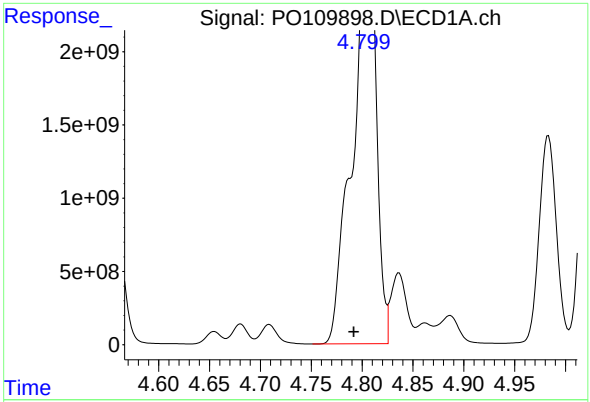
#2 Decachlorobiphenyl

R.T.: 8.764 min
Delta R.T.: 0.007 min
Response: 428105454
Conc: 49.77 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 221928792
Conc: 69.70 ng/ml m



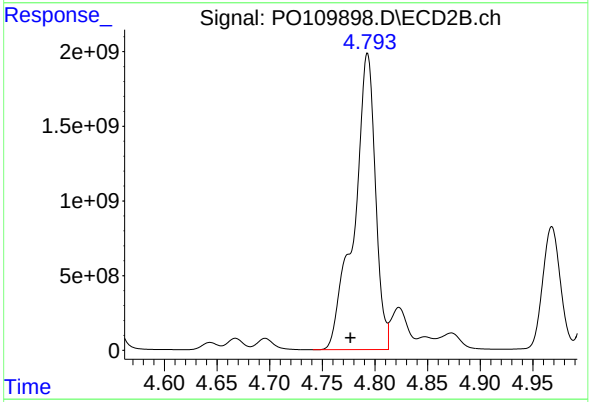
#21 AR-1248-1

R.T.: 4.803 min
Delta R.T.: 0.011 min
Response: 34020374789
Conc: 170520.47 ng/

Instrument :
ECD_O
ClientSampleId :
C0O24

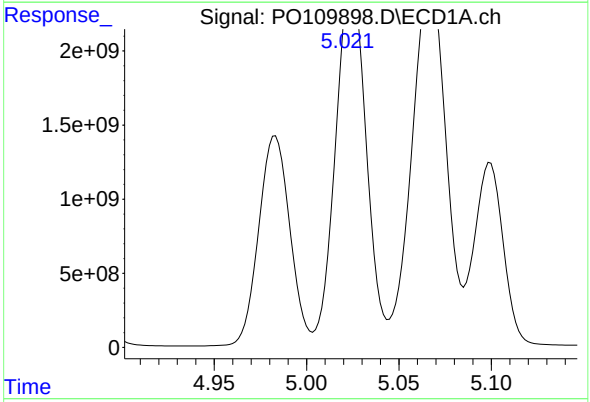
Manual Integrations
APPROVED

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



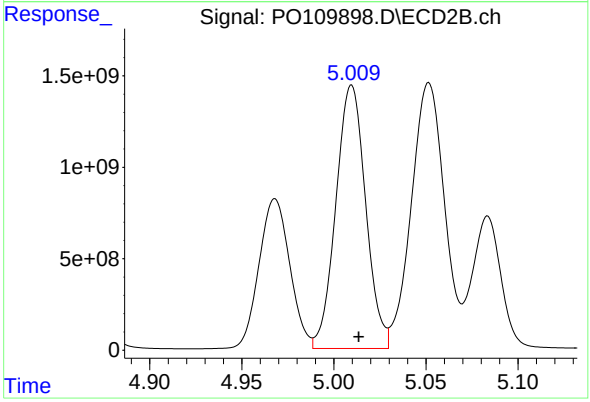
#21 AR-1248-1

R.T.: 4.793 min
Delta R.T.: 0.016 min
Response: 27902723702
Conc: 277564.17 ng/ml



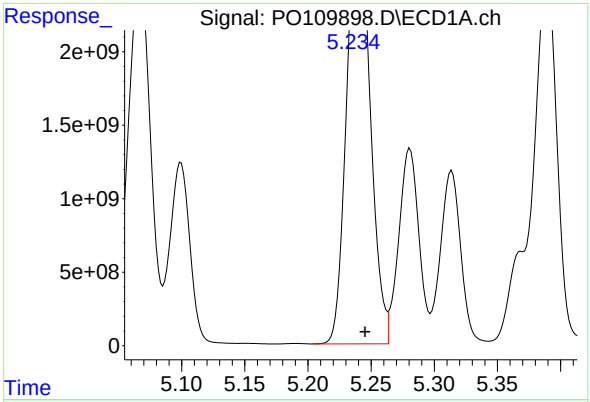
#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: -0.007 min
Response: 31066633398
Conc: 111633.74 ng/ml



#22 AR-1248-2

R.T.: 5.010 min
Delta R.T.: -0.004 min
Response: 16218458223
Conc: 111482.61 ng/ml



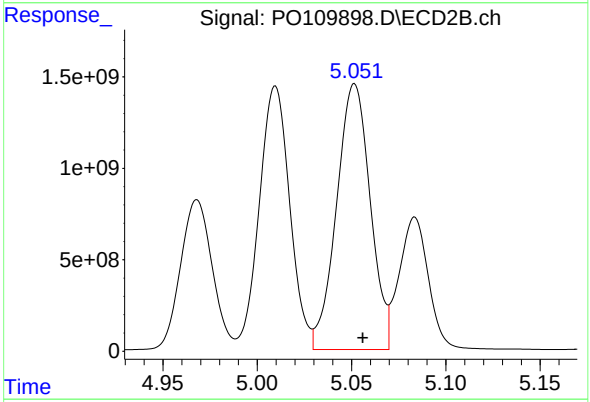
#23 AR-1248-3

R.T.: 5.235 min
Delta R.T.: -0.011 min
Response: 27875540781
Conc: 79787.41 ng/

Instrument :
ECD_O
ClientSampleId :
C0O24

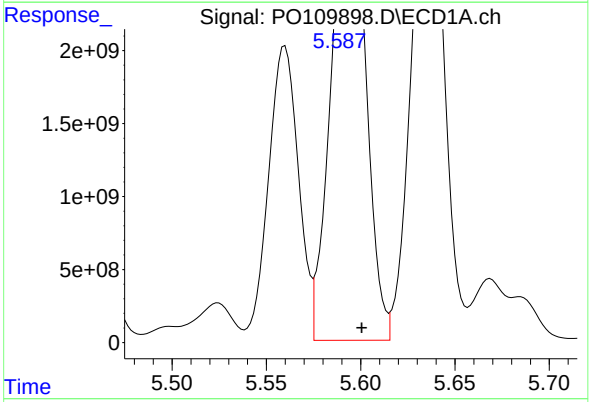
Manual Integrations
APPROVED

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



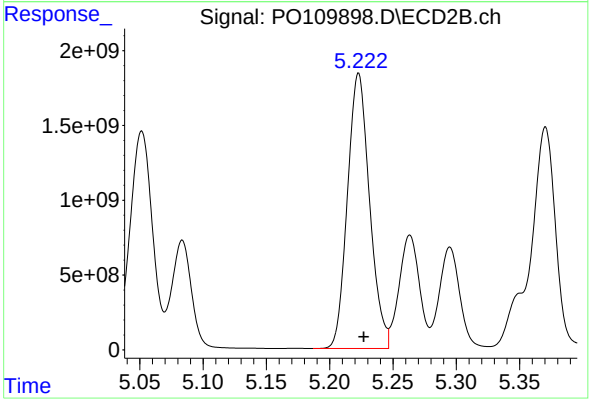
#23 AR-1248-3

R.T.: 5.052 min
Delta R.T.: -0.004 min
Response: 18053792458
Conc: 116469.96 ng/ml



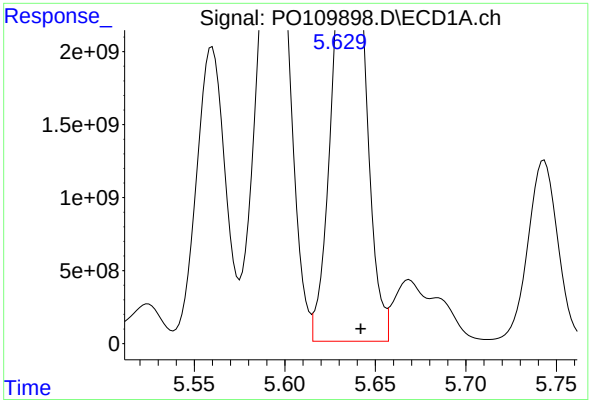
#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: -0.008 min
Response: 28266949546
Conc: 59248.09 ng/ml



#24 AR-1248-4

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 22357706575
Conc: 123661.91 ng/ml



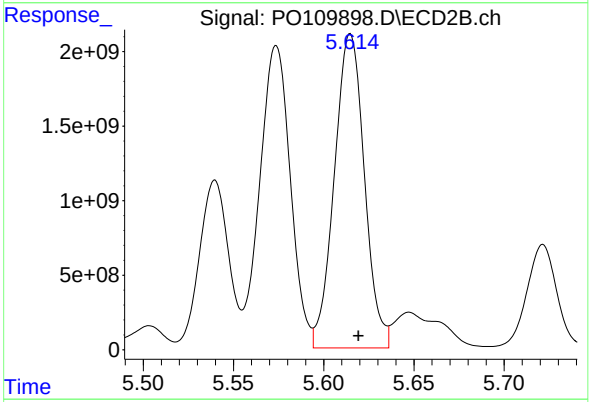
#25 AR-1248-5

R.T.: 5.633 min
Delta R.T.: -0.009 min
Response: 27303612452
Conc: 79716.36 ng/

Instrument :
ECD_O
ClientSampleId :
C0O24

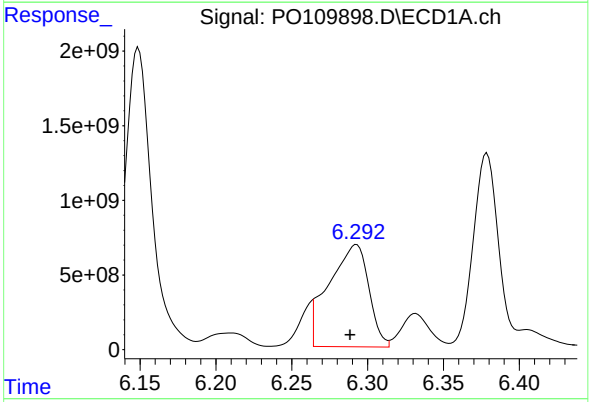
Manual Integrations
APPROVED

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



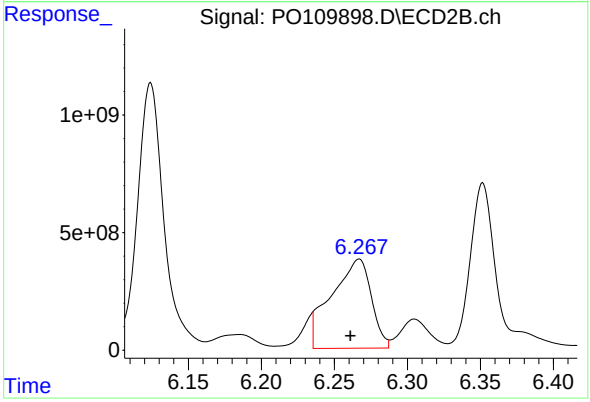
#25 AR-1248-5

R.T.: 5.615 min
Delta R.T.: -0.005 min
Response: 24442530240
Conc: 141939.19 ng/ml



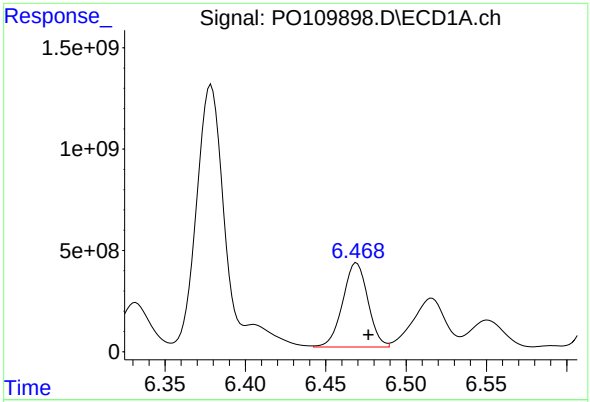
#31 AR-1260-1

R.T.: 6.292 min
Delta R.T.: 0.004 min
Response: 12417531431
Conc: 26639.56 ng/ml m



#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 7172916117
Conc: 30275.73 ng/ml m



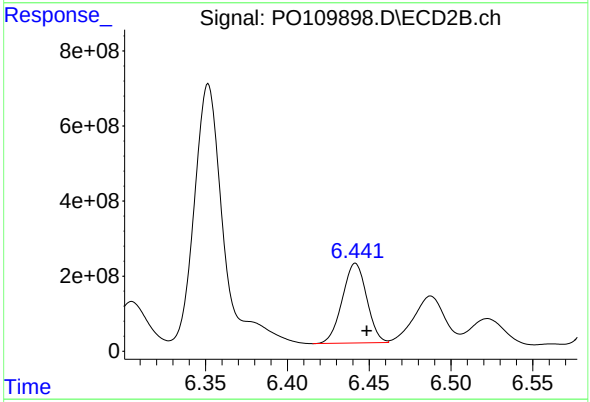
#32 AR-1260-2

R.T.: 6.469 min
Delta R.T.: -0.007 min
Response: 4532520060
Conc: 8020.48 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24

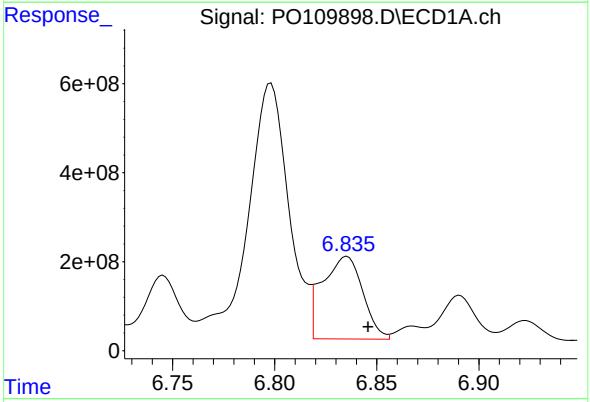
Manual Integrations
APPROVED

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



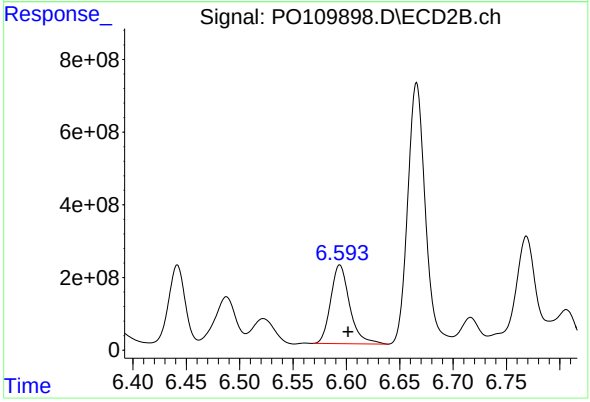
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: -0.007 min
Response: 2207541680
Conc: 8022.43 ng/ml



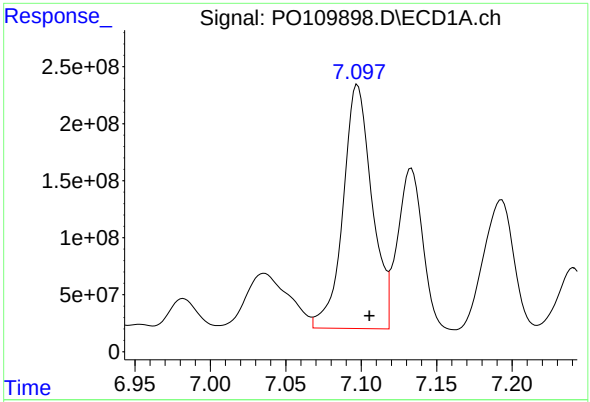
#33 AR-1260-3

R.T.: 6.835 min
Delta R.T.: -0.010 min
Response: 2566413127
Conc: 5395.47 ng/ml



#33 AR-1260-3

R.T.: 6.594 min
Delta R.T.: -0.008 min
Response: 2682875712
Conc: 10518.19 ng/ml



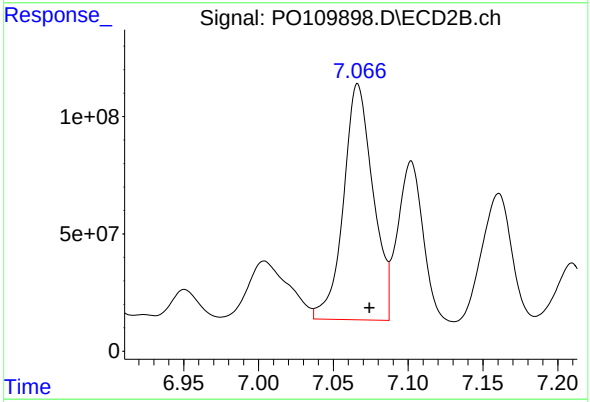
#34 AR-1260-4

R.T.: 7.098 min
Delta R.T.: -0.008 min
Response: 2850532882
Conc: 6604.55 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24

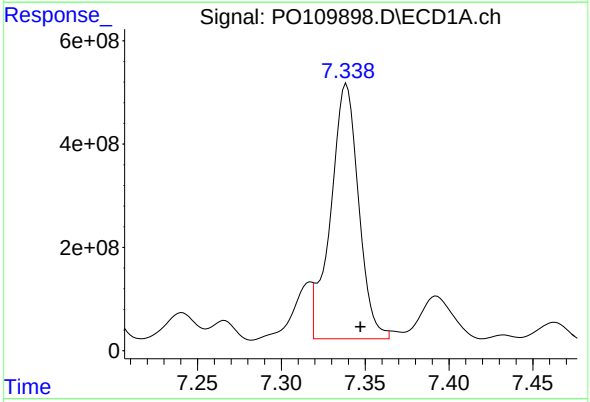
Manual Integrations
APPROVED

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



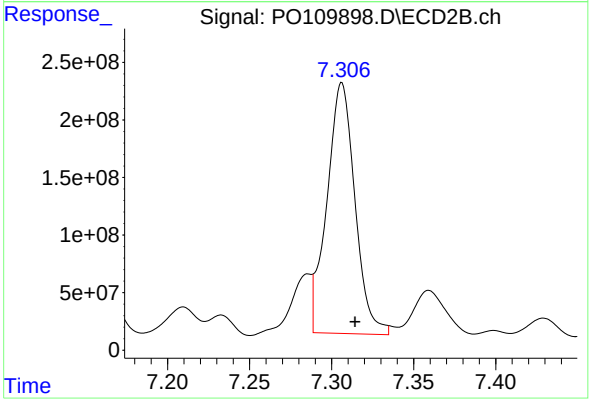
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: -0.008 min
Response: 1382513899
Conc: 6704.98 ng/ml



#35 AR-1260-5

R.T.: 7.338 min
Delta R.T.: -0.009 min
Response: 5697329045
Conc: 5732.40 ng/ml m



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 2582230131
Conc: 5766.70 ng/ml m

Raw Data: **PO109933.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O24DL	SDG No.:	Q1572
Lab Sample ID:	Q1572-12DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.8 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109933.D	50	03/14/25 12:25	03/17/25 13:45	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	1100	UD	263	1100	ug/kg
11104-28-2	Aroclor-1221	1100	UD	269	1100	ug/kg
11141-16-5	Aroclor-1232	1100	UD	248	1100	ug/kg
53469-21-9	Aroclor-1242	1100	UD	267	1100	ug/kg
12672-29-6	Aroclor-1248	120000	ED	395	1100	ug/kg
11097-69-1	Aroclor-1254	1100	UD	214	1100	ug/kg
37324-23-5	Aroclor-1262	1100	UD	335	1100	ug/kg
11100-14-4	Aroclor-1268	1100	UD	240	1100	ug/kg
11096-82-5	Aroclor-1260	8300	D	215	1100	ug/kg
Total PCBs	Total PCBs	130000	D	610	1100	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:45
Operator : YP/AJ
Sample : Q1572-12DL 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O24DL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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							
	Target Compounds							
21)	L5 AR-1248-1	4.806	4.792	1860.7E6	1001.8E6	9326.424	9965.238	
22)	L5 AR-1248-2	5.025	5.009	1106.5E6	598.1E6	3975.928	4111.084	
23)	L5 AR-1248-3	5.240	5.051	1532.4E6	670.0E6	4386.096	4322.205	
24)	L5 AR-1248-4	5.594	5.223	1635.8E6	833.3E6	3428.695	4609.260	#
25)	L5 AR-1248-5	5.636	5.615	1634.6E6	870.0E6	4772.553	5052.101	
31)	L7 AR-1260-1	6.292	6.267	401.7E6	206.9E6	861.827m	873.327m	
32)	L7 AR-1260-2	6.469	6.442	156.9E6	73245257	277.712	266.181	
33)	L7 AR-1260-3	6.837	6.594	94558394	86682286	198.794	339.837	#
34)	L7 AR-1260-4	7.098	7.067	98357838	44651442	227.891	216.552	
35)	L7 AR-1260-5	7.339	7.306	168.2E6	77220344	169.268m	172.450m	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:45
Operator : YP/AJ
Sample : Q1572-12DL 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

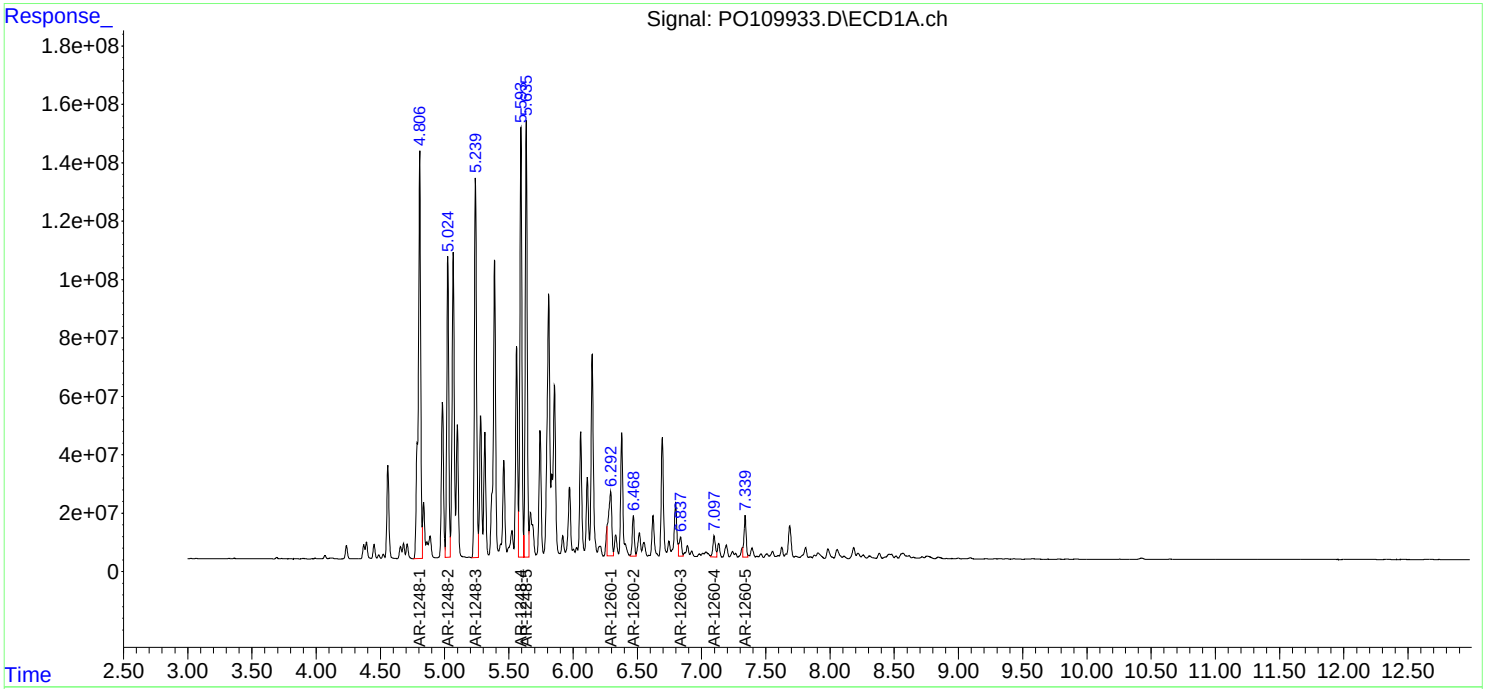
Instrument :
ECD_O
ClientSampleId :
C0O24DL

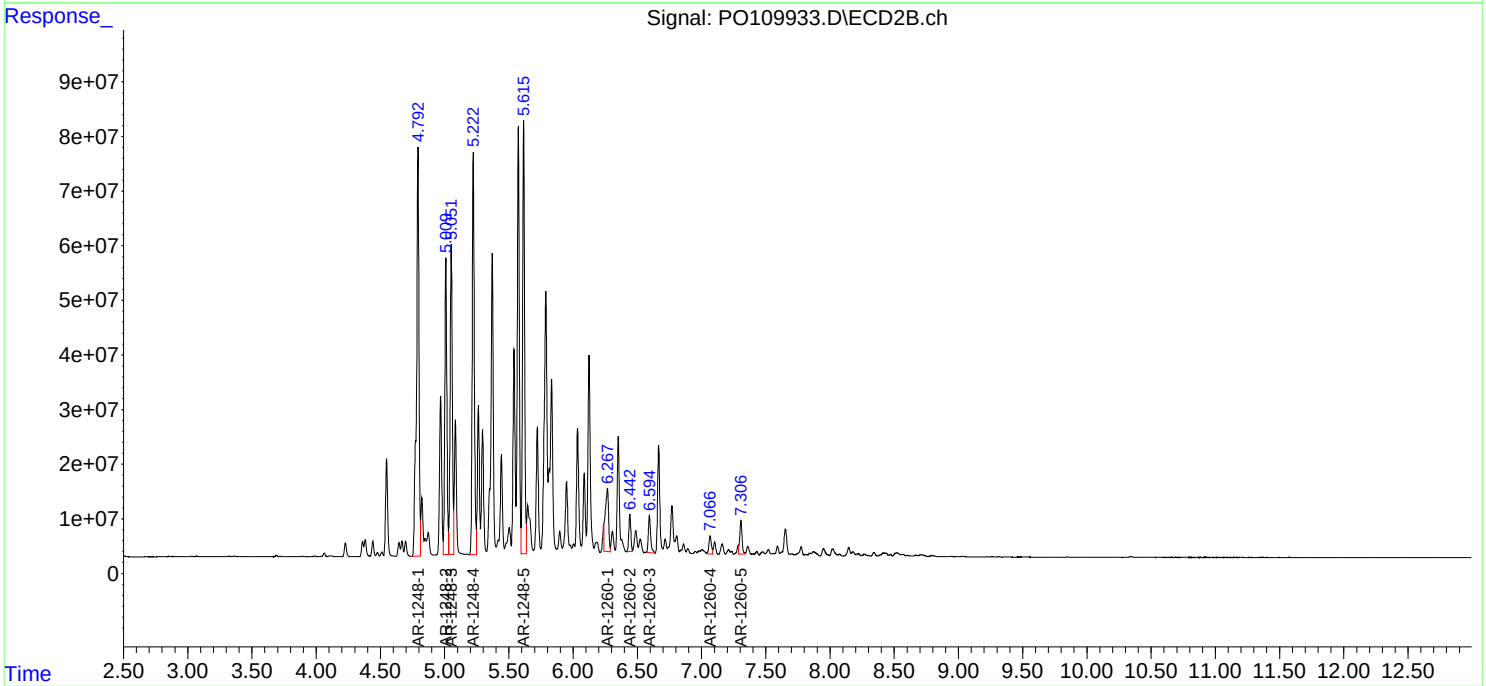
Manual Integrations APPROVED

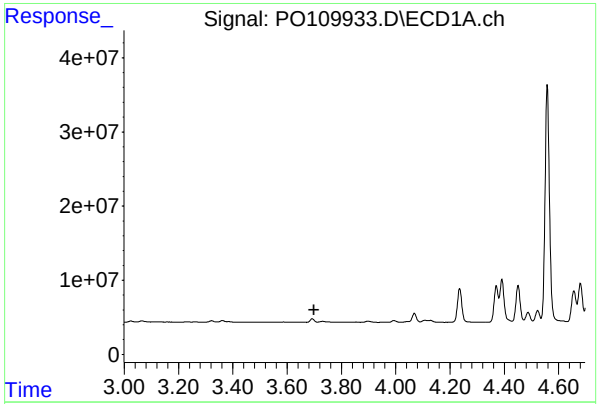
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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







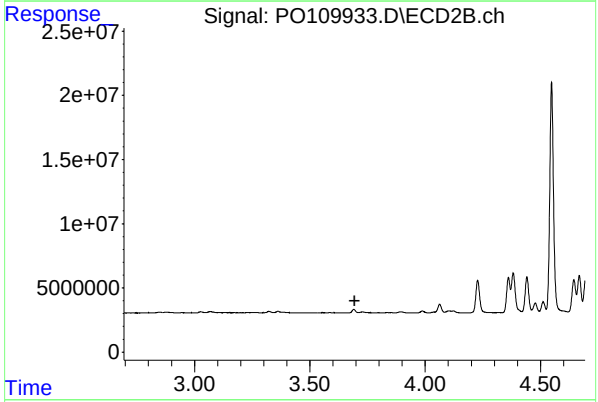
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
C0O24DL

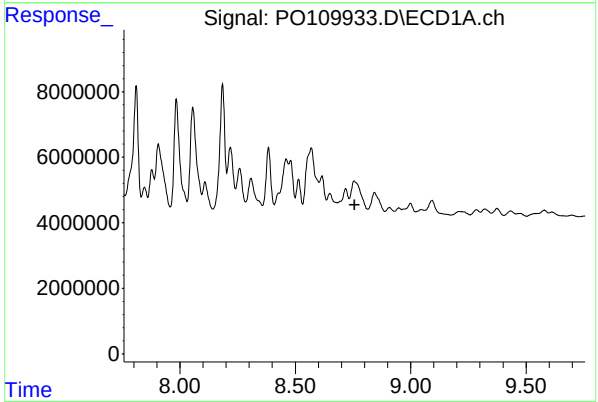
Manual Integrations
APPROVED

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



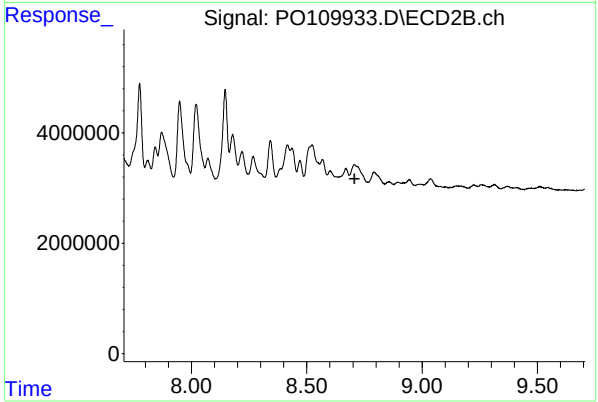
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.694 min
Response: 0
Conc: N.D.



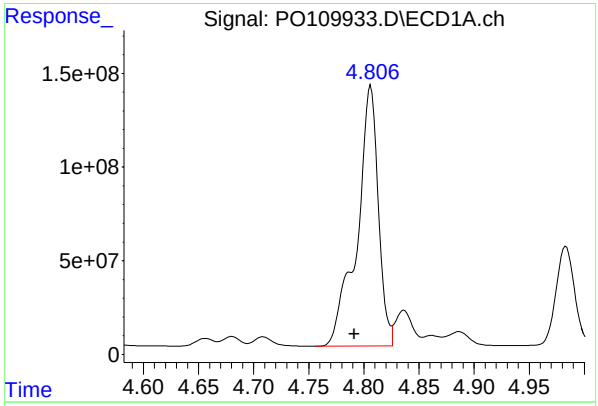
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.757 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.707 min
Response: 0
Conc: N.D.



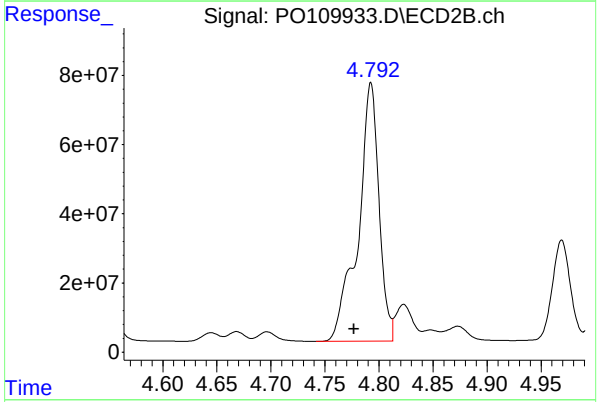
#21 AR-1248-1

R.T.: 4.806 min
Delta R.T.: 0.015 min
Response: 1860705793
Conc: 9326.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O24DL

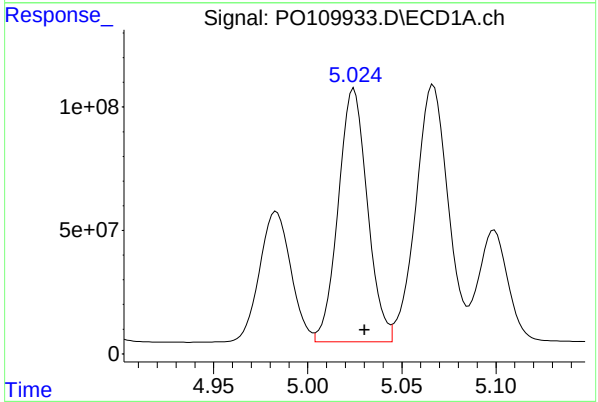
Manual Integrations
APPROVED

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



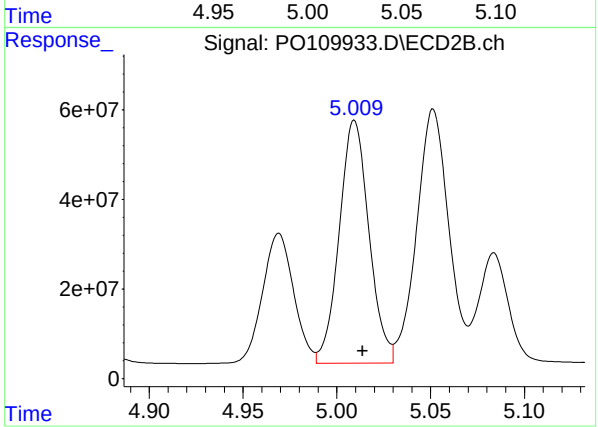
#21 AR-1248-1

R.T.: 4.792 min
Delta R.T.: 0.016 min
Response: 1001776559
Conc: 9965.24 ng/ml



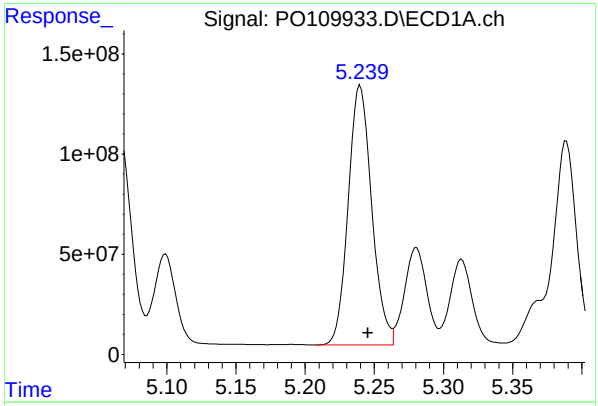
#22 AR-1248-2

R.T.: 5.025 min
Delta R.T.: -0.006 min
Response: 1106463751
Conc: 3975.93 ng/ml



#22 AR-1248-2

R.T.: 5.009 min
Delta R.T.: -0.004 min
Response: 598079392
Conc: 4111.08 ng/ml



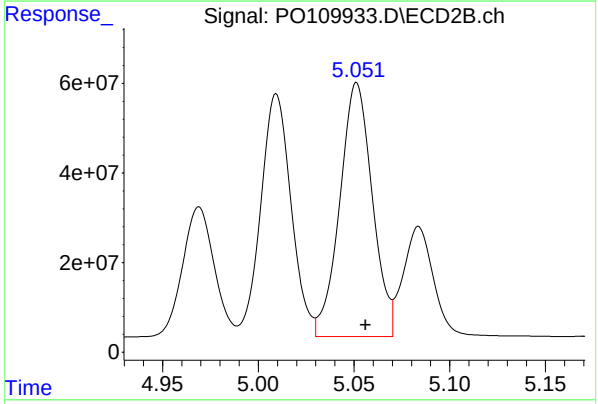
#23 AR-1248-3

R.T.: 5.240 min
Delta R.T.: -0.005 min
Response: 1532382139
Conc: 4386.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O24DL

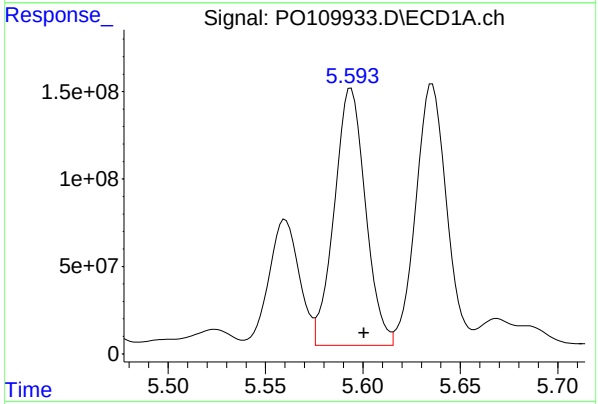
Manual Integrations
APPROVED

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



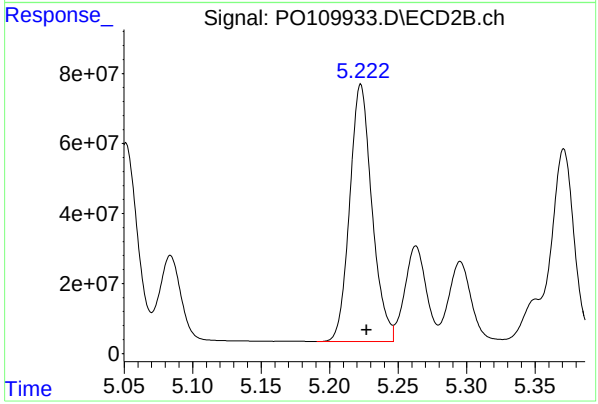
#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: -0.005 min
Response: 669976902
Conc: 4322.20 ng/ml



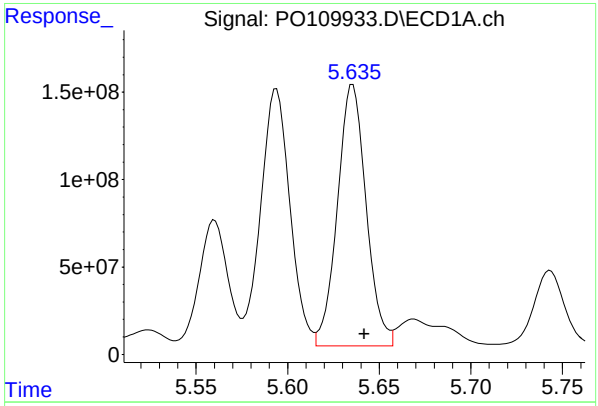
#24 AR-1248-4

R.T.: 5.594 min
Delta R.T.: -0.007 min
Response: 1635812459
Conc: 3428.70 ng/ml



#24 AR-1248-4

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 833340485
Conc: 4609.26 ng/ml



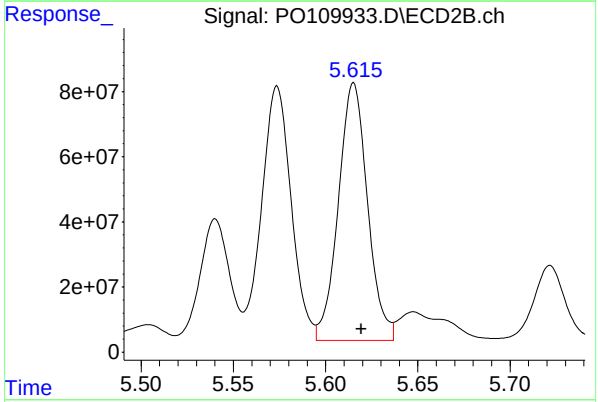
#25 AR-1248-5

R.T.: 5.636 min
Delta R.T.: -0.006 mi
Response: 1634645006
Conc: 4772.55 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24DL

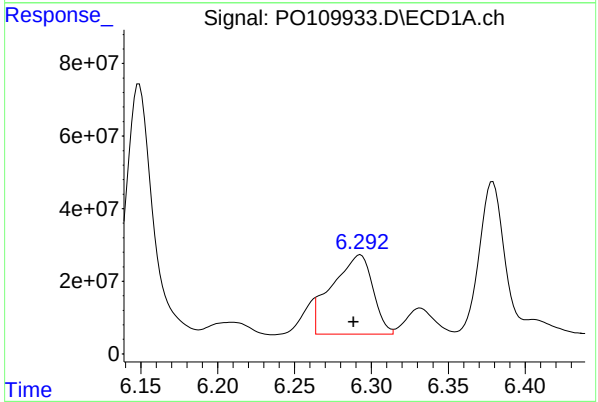
Manual Integrations
APPROVED

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



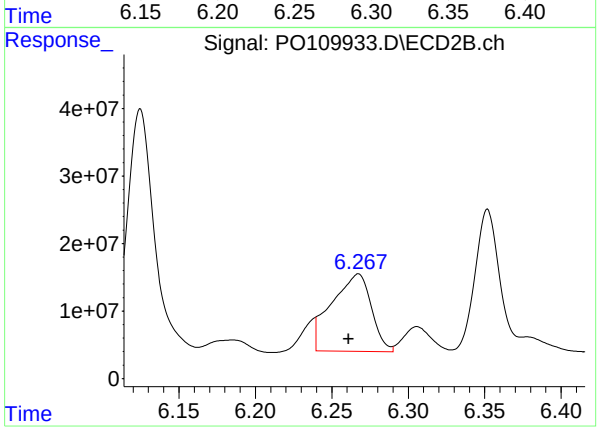
#25 AR-1248-5

R.T.: 5.615 min
Delta R.T.: -0.004 min
Response: 869993126
Conc: 5052.10 ng/ml



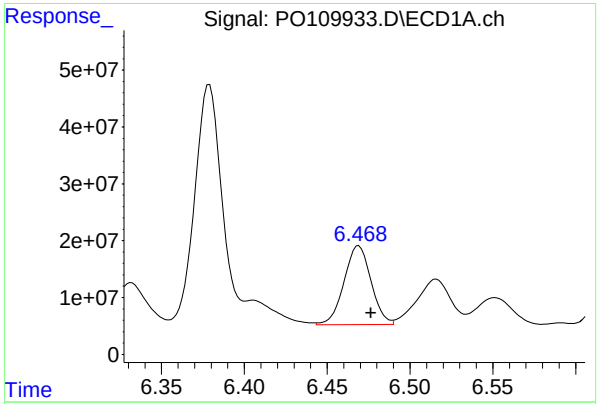
#31 AR-1260-1

R.T.: 6.292 min
Delta R.T.: 0.004 min
Response: 401724538
Conc: 861.83 ng/ml m



#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 206908320
Conc: 873.33 ng/ml m



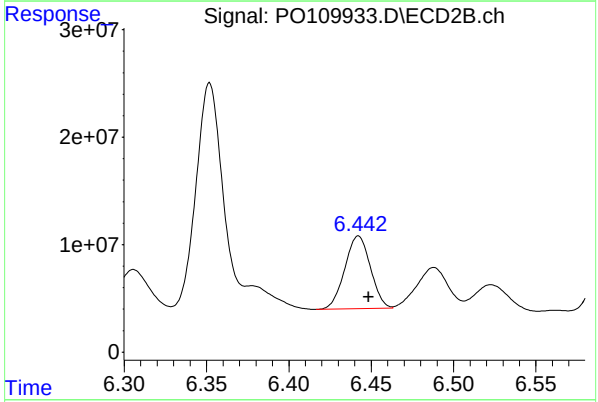
#32 AR-1260-2

R.T.: 6.469 min
Delta R.T.: -0.007 min
Response: 156939885
Conc: 277.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O24DL

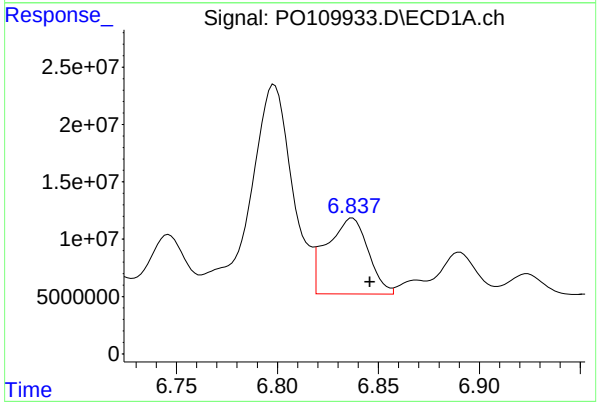
Manual Integrations APPROVED

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



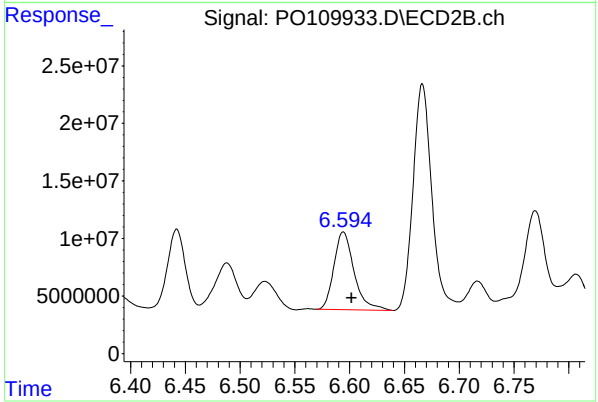
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: -0.006 min
Response: 73245257
Conc: 266.18 ng/ml



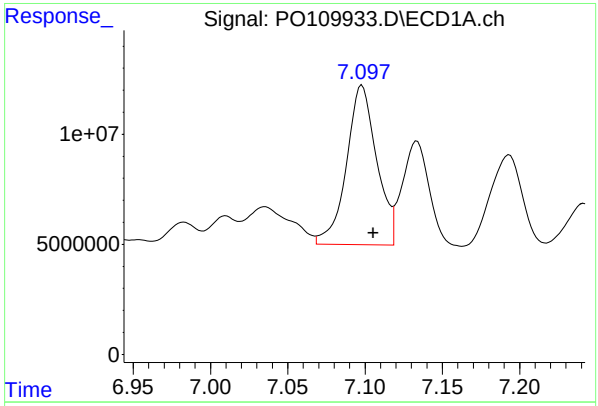
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: -0.009 min
Response: 94558394
Conc: 198.79 ng/ml



#33 AR-1260-3

R.T.: 6.594 min
Delta R.T.: -0.007 min
Response: 86682286
Conc: 339.84 ng/ml



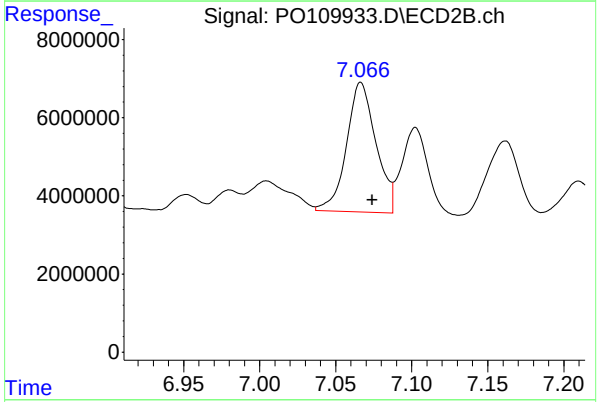
#34 AR-1260-4

R.T.: 7.098 min
Delta R.T.: -0.008 mi
Response: 98357838
Conc: 227.89 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24DL

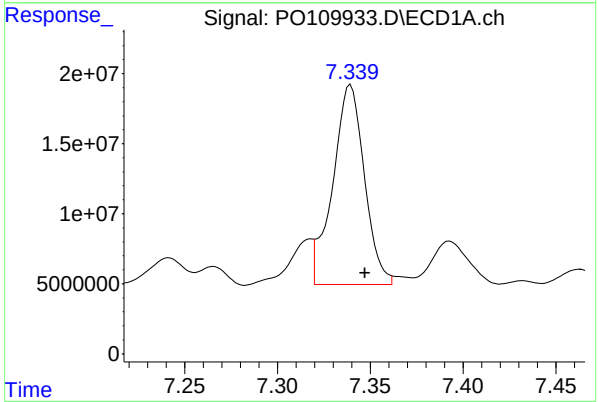
Manual Integrations
APPROVED

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



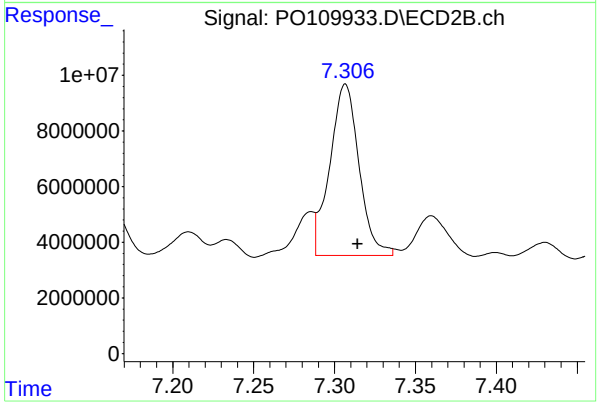
#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: -0.007 min
Response: 44651442
Conc: 216.55 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: -0.008 min
Response: 168232622
Conc: 169.27 ng/ml m



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 77220344
Conc: 172.45 ng/ml m

Raw Data: **PO109966.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O24DL2	SDG No.:	Q1572
Lab Sample ID:	Q1572-12DL2	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.8 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109966.D	500	03/14/25 12:25	03/18/25 09:19	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	11000	UD	2600	11000	ug/kg
11104-28-2	Aroclor-1221	11000	UD	2700	11000	ug/kg
11141-16-5	Aroclor-1232	11000	UD	2500	11000	ug/kg
53469-21-9	Aroclor-1242	11000	UD	2700	11000	ug/kg
12672-29-6	Aroclor-1248	160000	D	3900	11000	ug/kg
11097-69-1	Aroclor-1254	11000	UD	2100	11000	ug/kg
37324-23-5	Aroclor-1262	11000	UD	3300	11000	ug/kg
11100-14-4	Aroclor-1268	11000	UD	2400	11000	ug/kg
11096-82-5	Aroclor-1260	12000	D	2200	11000	ug/kg
Total PCBs	Total PCBs	170000	D	6100	11000	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:19
Operator : YP/AJ
Sample : Q1572-12DL2 500X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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							
	Target Compounds							
21)	L5 AR-1248-1	4.804	4.808	234.8E6	122.5E6	1176.654	1218.123	
22)	L5 AR-1248-2	5.023	5.025	141.4E6	76056621	508.186	522.799	
23)	L5 AR-1248-3	5.238	5.066	206.4E6	87285854	590.882	563.105	
24)	L5 AR-1248-4	5.593	5.238	212.3E6	109.9E6	444.970	608.012	#
25)	L5 AR-1248-5	5.634	5.630	210.4E6	108.2E6	614.232	628.055	
31)	L7 AR-1260-1	6.291	6.281	55992503	28807709	120.122m	121.593m	
32)	L7 AR-1260-2	6.468	6.457	25183080	10985970	44.562	39.924	
33)	L7 AR-1260-3	6.835	6.609	12988266	12187709	27.306	47.782	#
34)	L7 AR-1260-4	7.095	7.082	13004563	6419341	30.131	31.133	
35)	L7 AR-1260-5	7.337	7.321	23336196	13005460	23.480m	29.044	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:19
Operator : YP/AJ
Sample : Q1572-12DL2 500X
Misc :
ALS Vial : 7 Sample Multiplier: 1

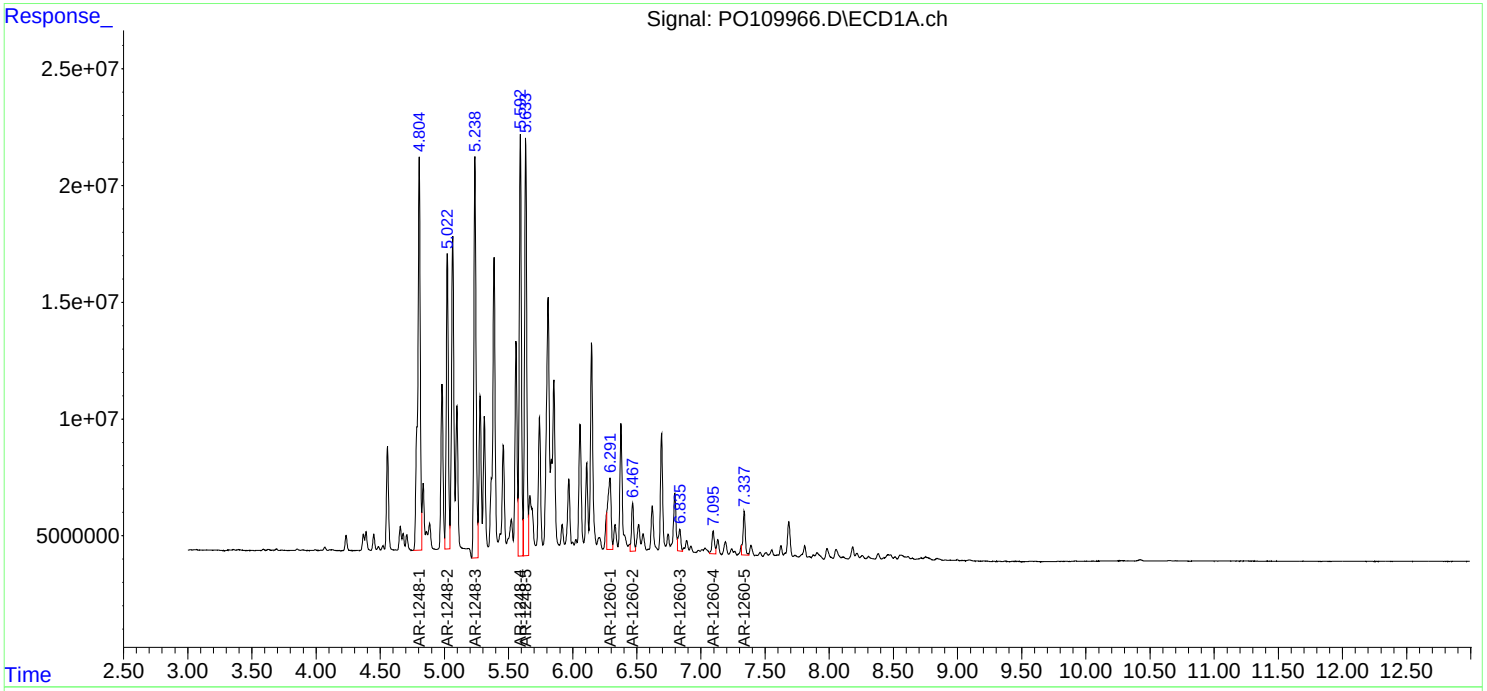
Instrument :
ECD_O
ClientSampleId :
C0O24DL2

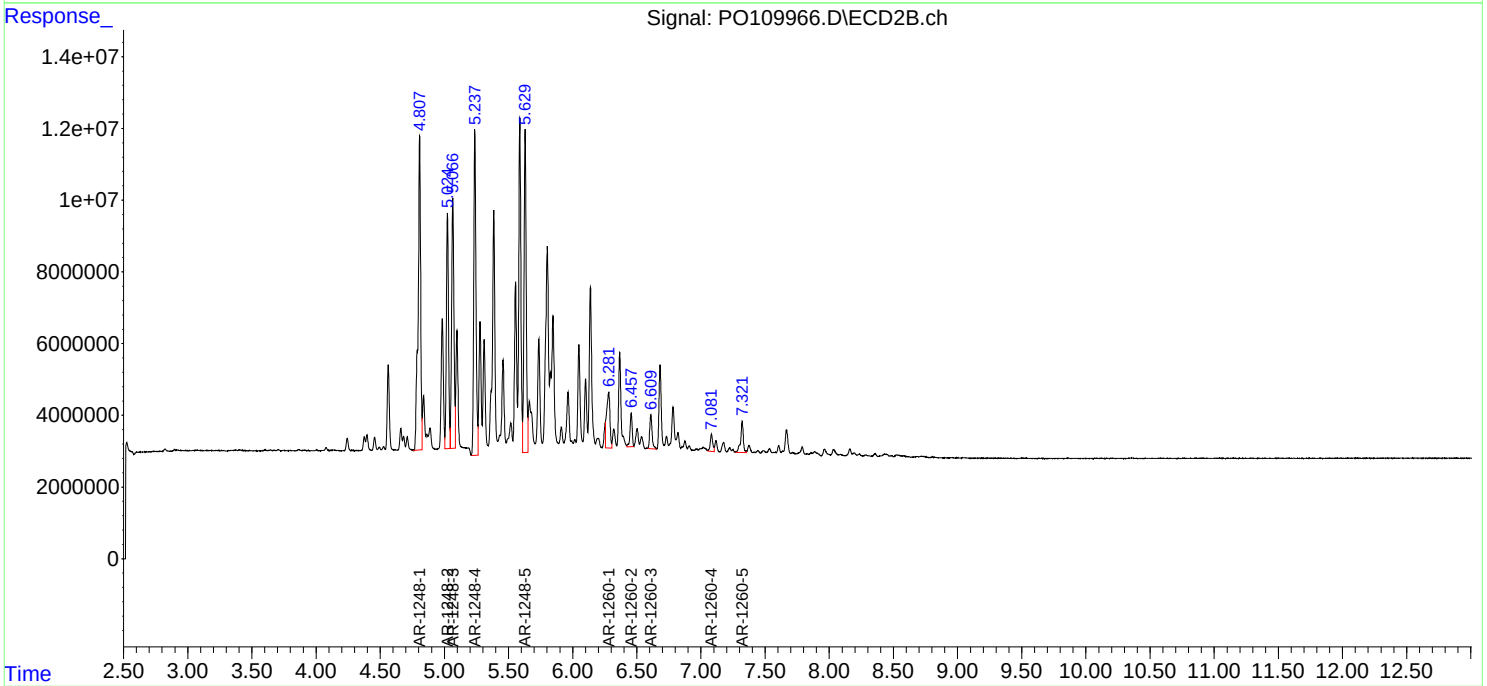
Manual Integrations APPROVED

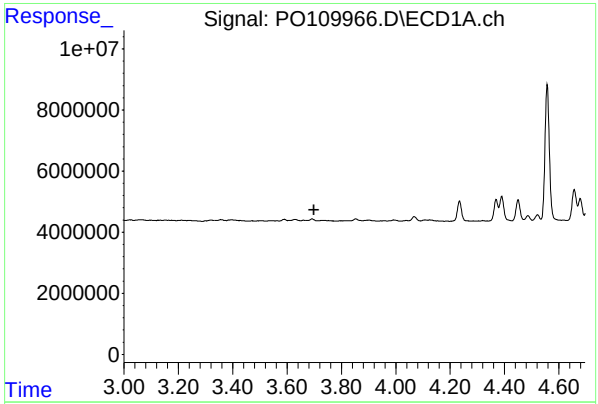
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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







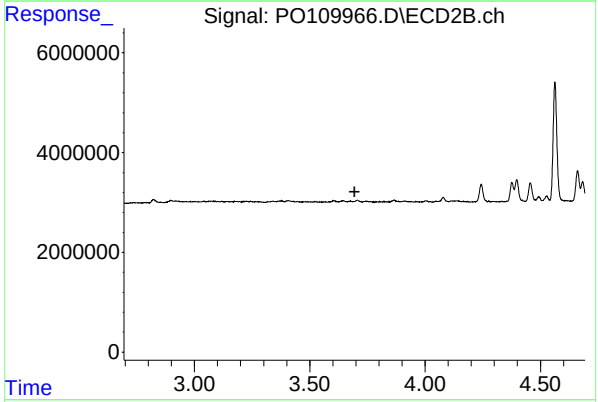
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

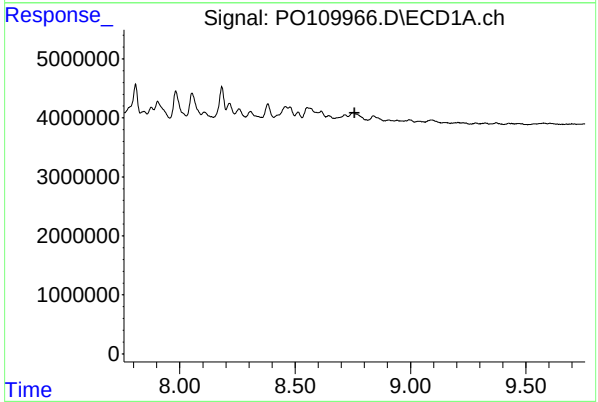
Manual Integrations
APPROVED

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



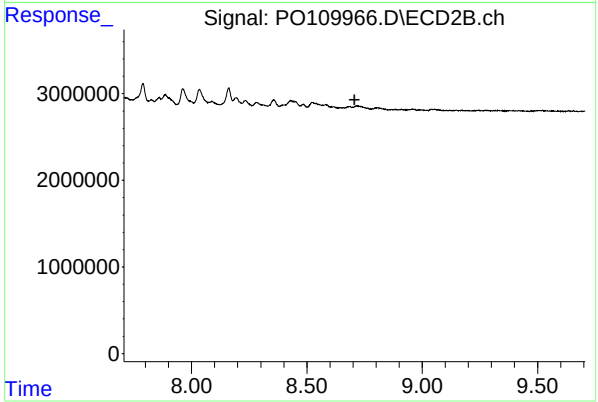
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.694 min
Response: 0
Conc: N.D.



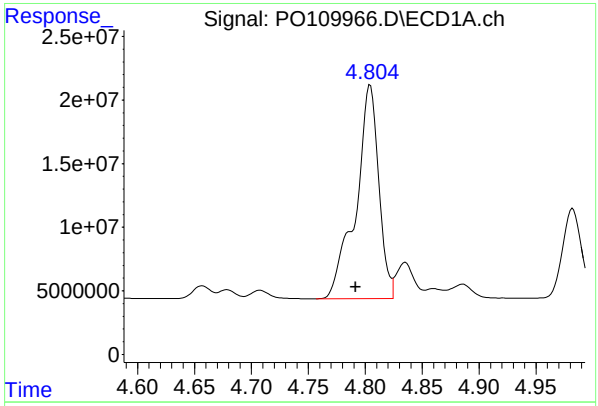
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.757 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.707 min
Response: 0
Conc: N.D.



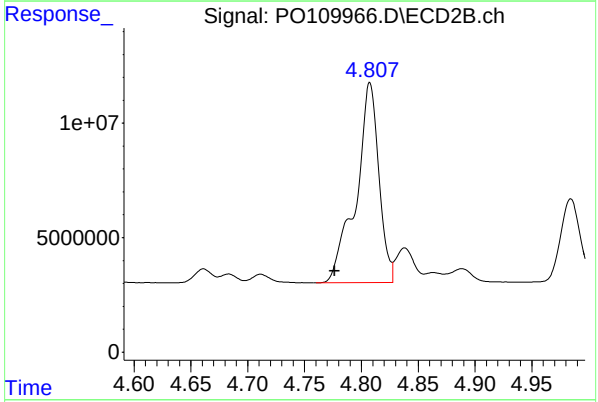
#21 AR-1248-1

R.T.: 4.804 min
Delta R.T.: 0.013 mi
Response: 234753166
Conc: 1176.65 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

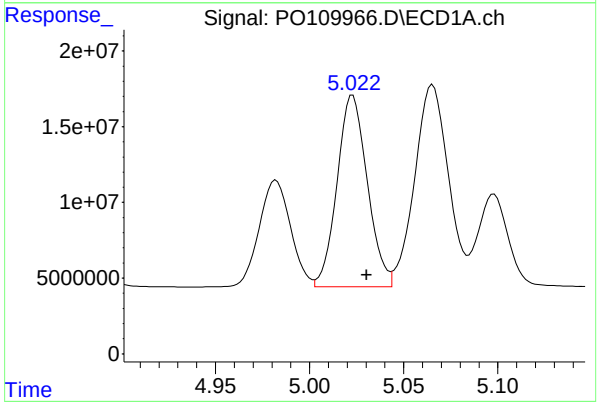
Manual Integrations
APPROVED

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



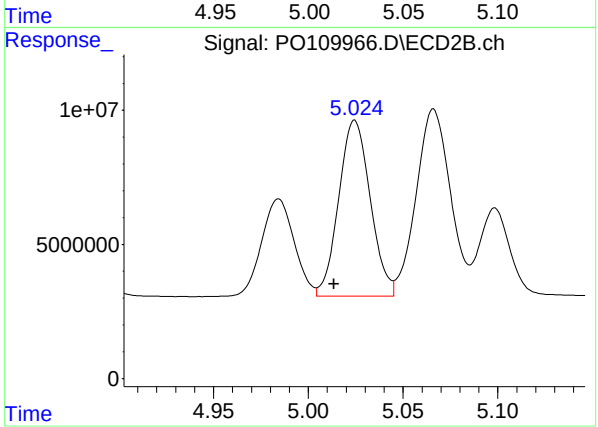
#21 AR-1248-1

R.T.: 4.808 min
Delta R.T.: 0.031 min
Response: 122454383
Conc: 1218.12 ng/ml



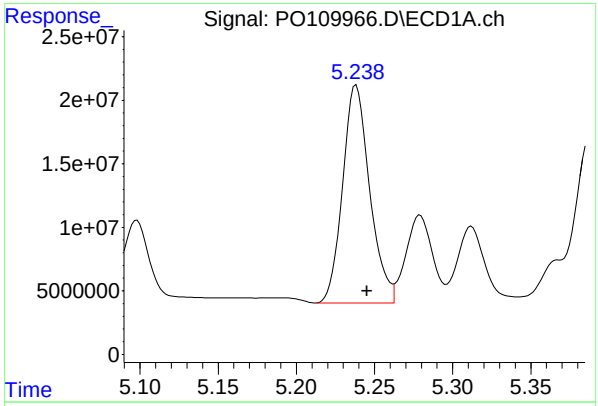
#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: -0.007 min
Response: 141423518
Conc: 508.19 ng/ml



#22 AR-1248-2

R.T.: 5.025 min
Delta R.T.: 0.011 min
Response: 76056621
Conc: 522.80 ng/ml



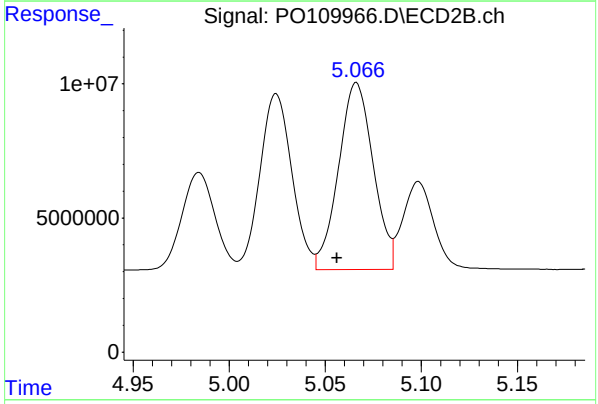
#23 AR-1248-3

R.T.: 5.238 min
Delta R.T.: -0.007 min
Response: 206438105
Conc: 590.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

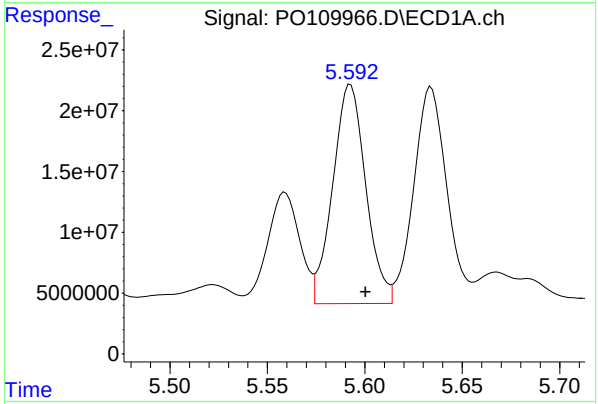
Manual Integrations
APPROVED

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



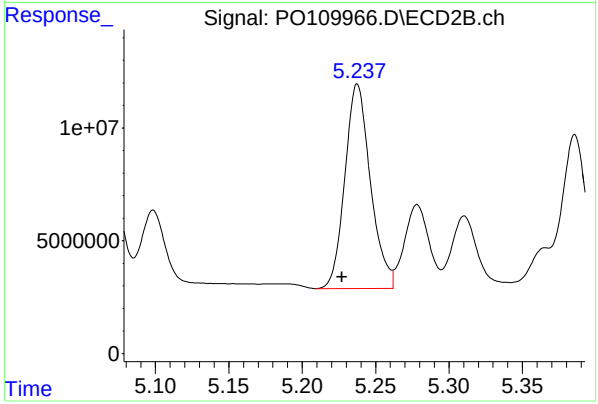
#23 AR-1248-3

R.T.: 5.066 min
Delta R.T.: 0.010 min
Response: 87285854
Conc: 563.10 ng/ml



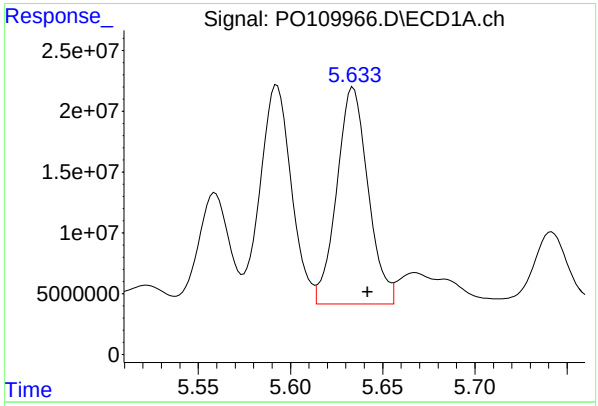
#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: -0.008 min
Response: 212292671
Conc: 444.97 ng/ml



#24 AR-1248-4

R.T.: 5.238 min
Delta R.T.: 0.011 min
Response: 109926702
Conc: 608.01 ng/ml



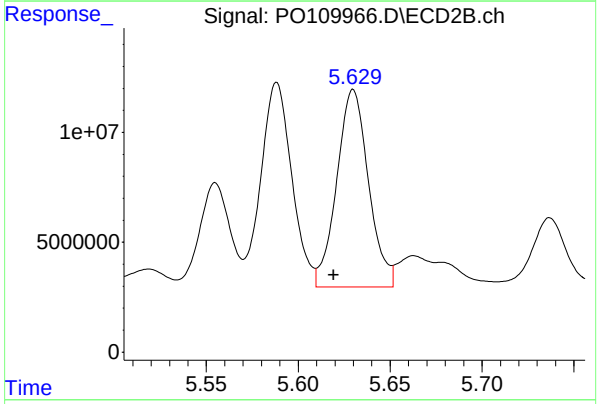
#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: -0.008 mi
Response: 210380340
Conc: 614.23 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

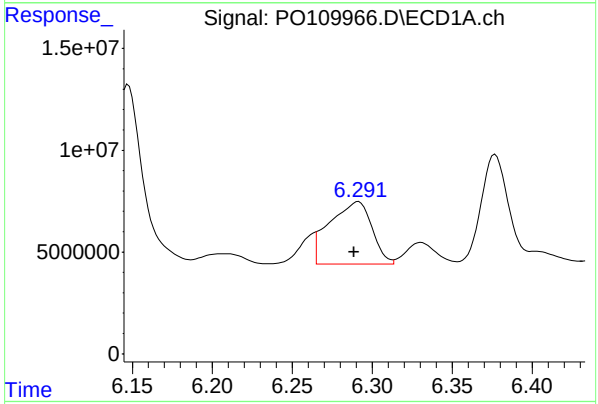
Manual Integrations
APPROVED

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



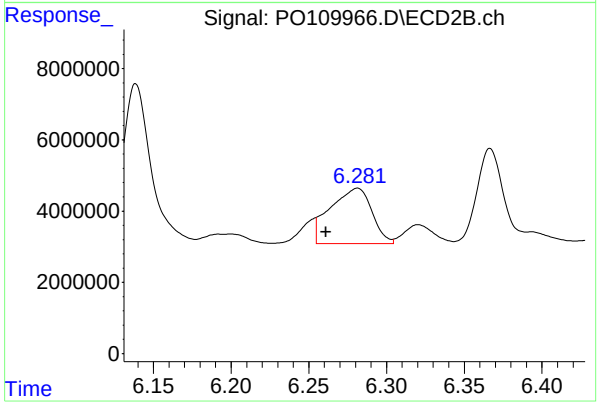
#25 AR-1248-5

R.T.: 5.630 min
Delta R.T.: 0.011 min
Response: 108153647
Conc: 628.05 ng/ml



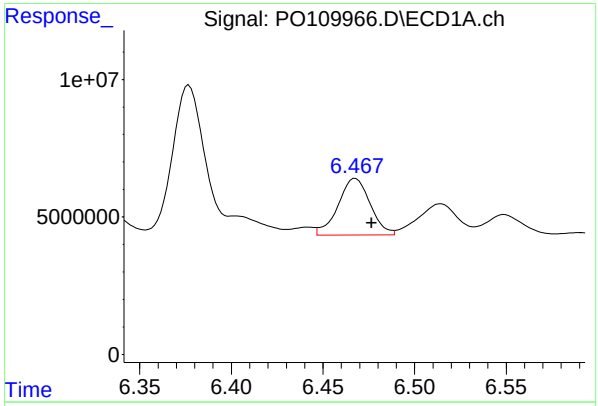
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.002 min
Response: 55992503
Conc: 120.12 ng/ml m



#31 AR-1260-1

R.T.: 6.281 min
Delta R.T.: 0.020 min
Response: 28807709
Conc: 121.59 ng/ml m



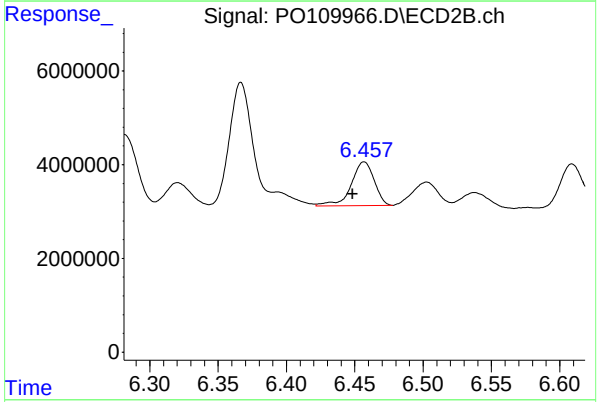
#32 AR-1260-2

R.T.: 6.468 min
Delta R.T.: -0.009 min
Response: 25183080
Conc: 44.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

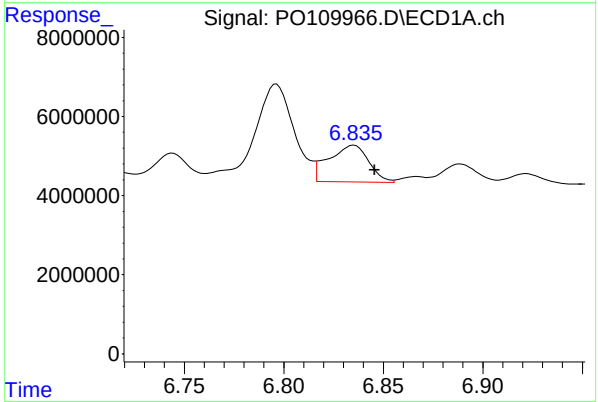
Manual Integrations
APPROVED

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



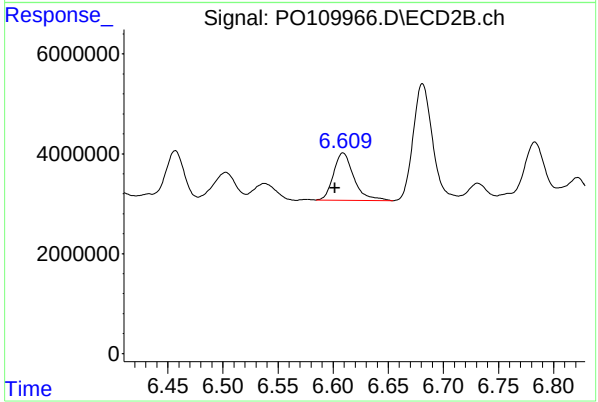
#32 AR-1260-2

R.T.: 6.457 min
Delta R.T.: 0.008 min
Response: 10985970
Conc: 39.92 ng/ml



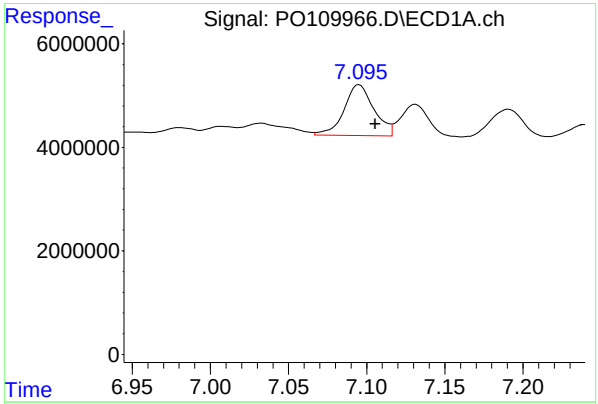
#33 AR-1260-3

R.T.: 6.835 min
Delta R.T.: -0.010 min
Response: 12988266
Conc: 27.31 ng/ml



#33 AR-1260-3

R.T.: 6.609 min
Delta R.T.: 0.007 min
Response: 12187709
Conc: 47.78 ng/ml



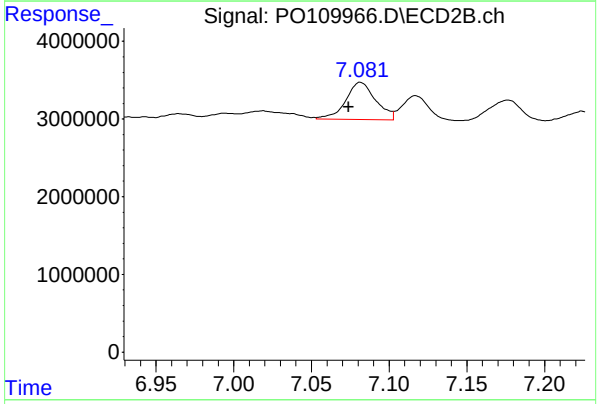
#34 AR-1260-4

R.T.: 7.095 min
Delta R.T.: -0.010 mi
Response: 13004563
Conc: 30.13 ng/m

Instrument :
ECD_O
ClientSampleId :
C0O24DL2

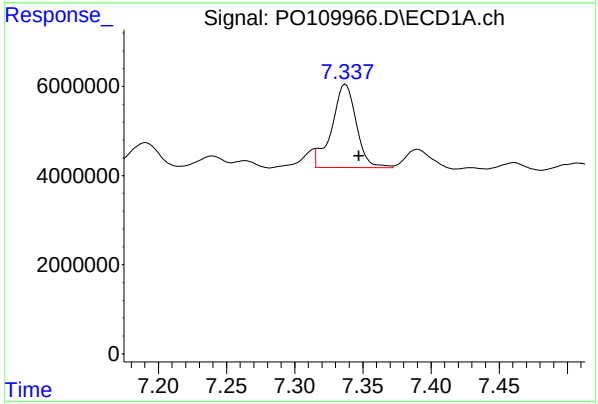
Manual Integrations
APPROVED

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



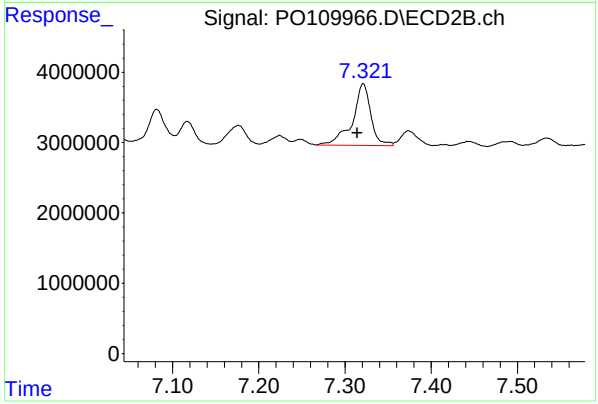
#34 AR-1260-4

R.T.: 7.082 min
Delta R.T.: 0.008 min
Response: 6419341
Conc: 31.13 ng/ml



#35 AR-1260-5

R.T.: 7.337 min
Delta R.T.: -0.011 min
Response: 23336196
Conc: 23.48 ng/ml m



#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: 0.007 min
Response: 13005460
Conc: 29.04 ng/ml

Raw Data: **PO109899.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O25	SDG No.:	Q1572
Lab Sample ID:	Q1572-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109899.D	1	03/14/25 12:25	03/14/25 17:57	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	22.2	U	5.20	22.2	ug/kg
11104-28-2	Aroclor-1221	22.2	U	5.30	22.2	ug/kg
11141-16-5	Aroclor-1232	22.2	U	4.90	22.2	ug/kg
53469-21-9	Aroclor-1242	22.2	U	5.20	22.2	ug/kg
12672-29-6	Aroclor-1248	22.2	U	7.70	22.2	ug/kg
11097-69-1	Aroclor-1254	22.2	U	4.20	22.2	ug/kg
37324-23-5	Aroclor-1262	22.2	U	6.60	22.2	ug/kg
11100-14-4	Aroclor-1268	22.2	U	4.70	22.2	ug/kg
11096-82-5	Aroclor-1260	22.2	U	4.20	22.2	ug/kg
Total PCBs	Total PCBs	22.2	U	7.70	22.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		32 - 175	94%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:57
Operator : YP/AJ
Sample : Q1572-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O25

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.691	176.9E6	98084143	18.687	18.739
2)	SA Decachlor...	8.743	8.696	158.7E6	59671154	18.449	18.739
	Target Compounds						

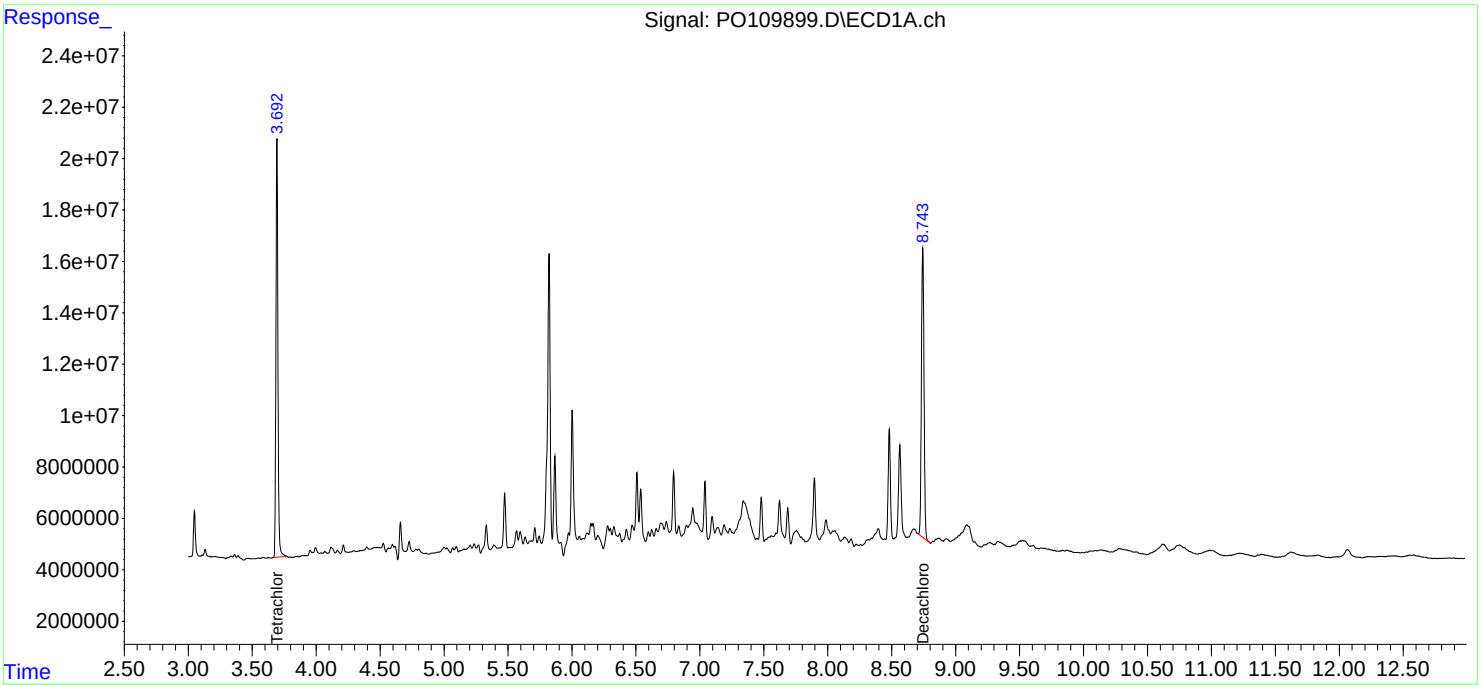
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

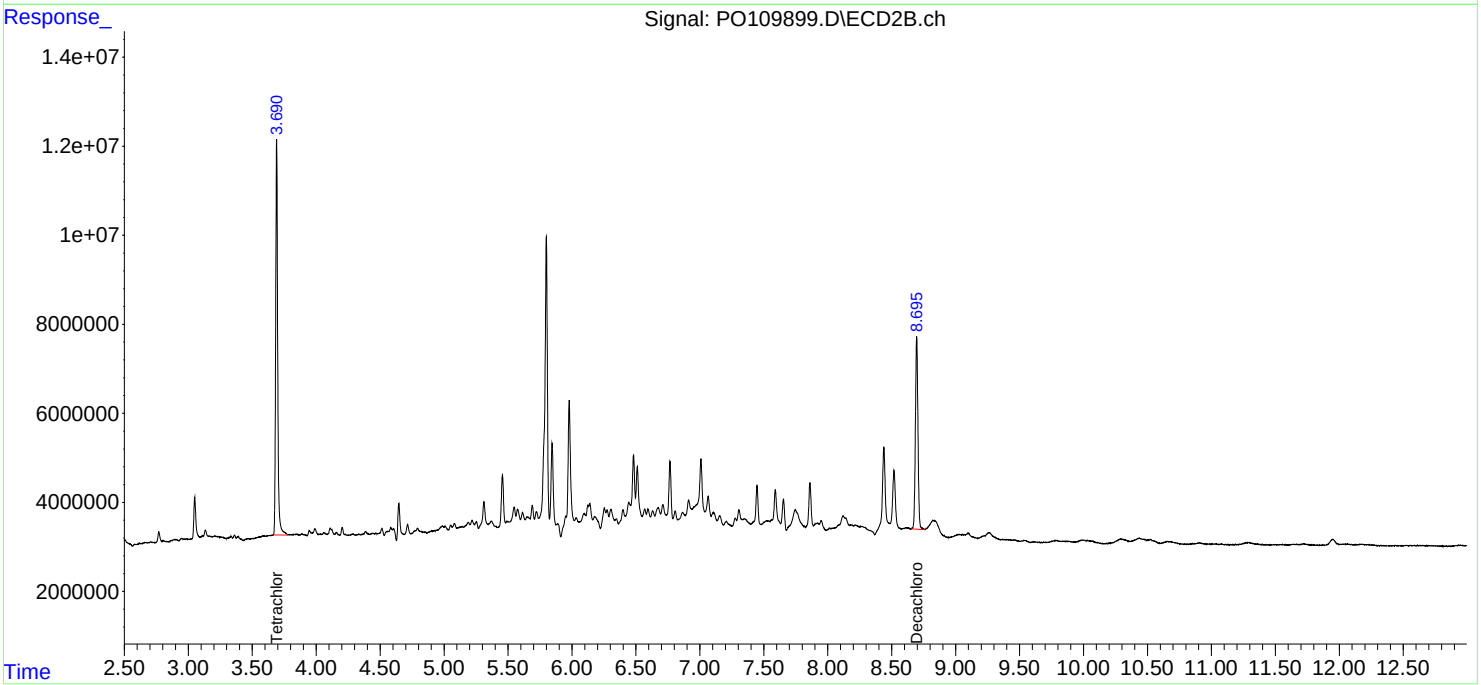
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 17:57
Operator : YP/AJ
Sample : Q1572-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

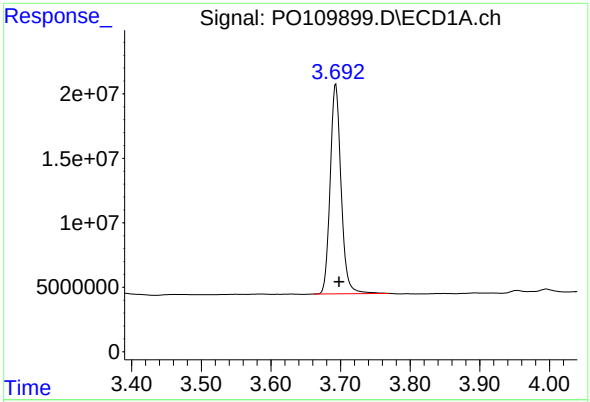
Instrument :
ECD_O
ClientSampleId :
C0O25

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



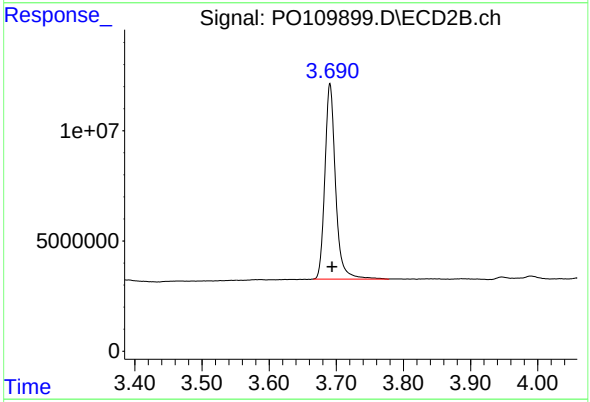




#1 Tetrachloro-m-xylene

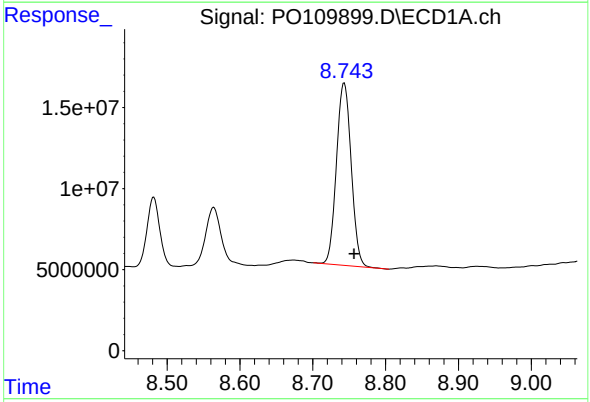
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 176872415
Conc: 18.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O25



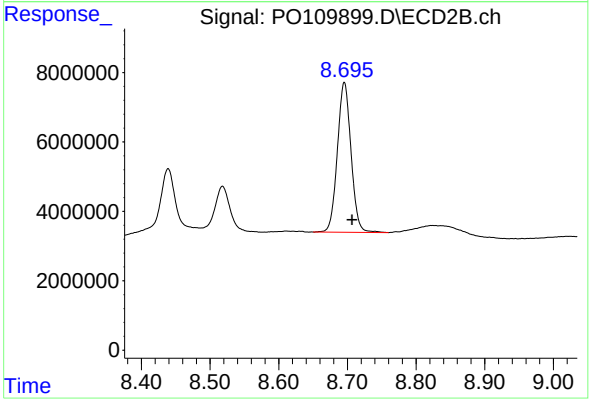
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 98084143
Conc: 18.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.014 min
Response: 158697758
Conc: 18.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: -0.011 min
Response: 59671154
Conc: 18.74 ng/ml

Raw Data: **PO109900.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O26	SDG No.:	Q1572
Lab Sample ID:	Q1572-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	74.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109900.D	1	03/14/25 12:25	03/14/25 18:16	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	22.8	U	5.30	22.8	ug/kg
11104-28-2	Aroclor-1221	22.8	U	5.40	22.8	ug/kg
11141-16-5	Aroclor-1232	22.8	U	5.00	22.8	ug/kg
53469-21-9	Aroclor-1242	22.8	U	5.40	22.8	ug/kg
12672-29-6	Aroclor-1248	22.8	U	7.90	22.8	ug/kg
11097-69-1	Aroclor-1254	22.8	U	4.30	22.8	ug/kg
37324-23-5	Aroclor-1262	22.8	U	6.70	22.8	ug/kg
11100-14-4	Aroclor-1268	22.8	U	4.80	22.8	ug/kg
11096-82-5	Aroclor-1260	22.8	U	4.30	22.8	ug/kg
Total PCBs	Total PCBs	22.8	U	7.90	22.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	114%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO109900.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 18:16
Operator : YP/AJ
Sample : Q1572-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O26

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:36:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	193.2E6	108.4E6	20.413	20.718
2)	SA Decachlor...	8.743	8.696	192.1E6	72294807	22.331	22.704
	Target Compounds						

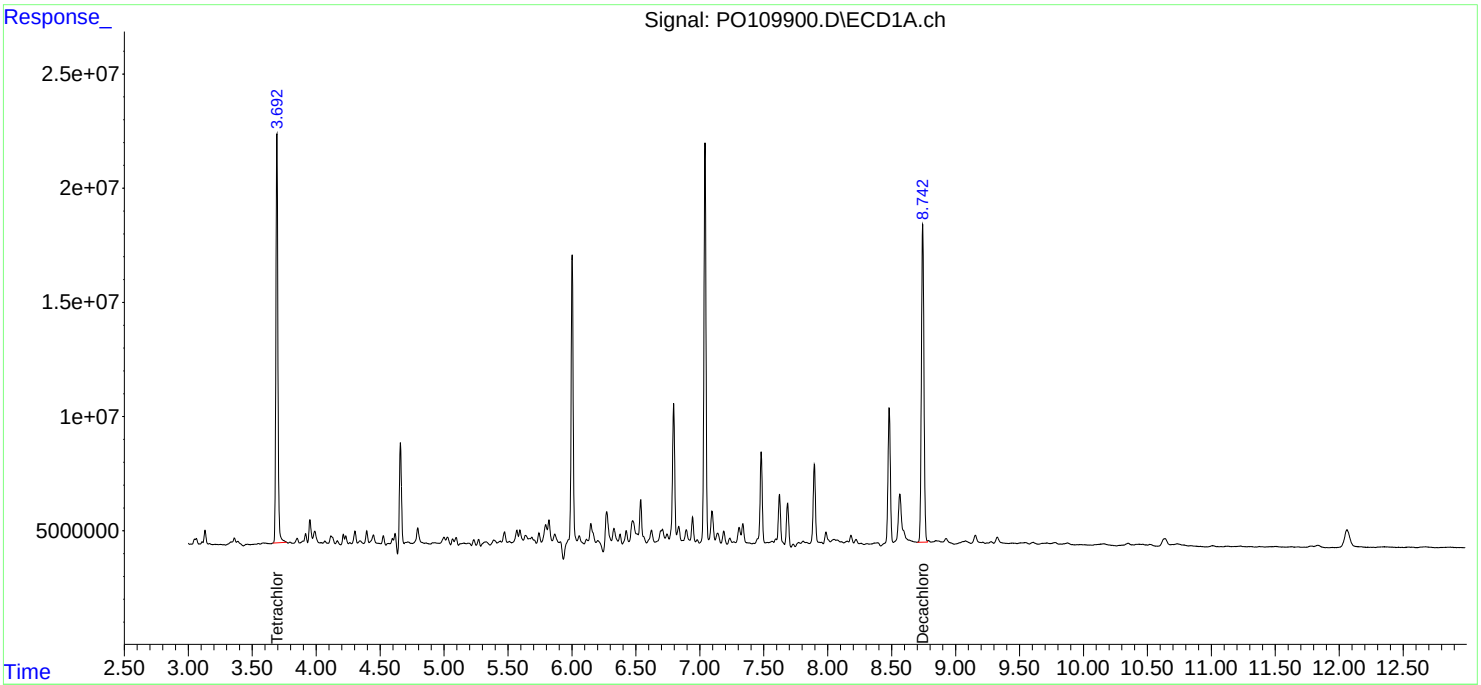
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

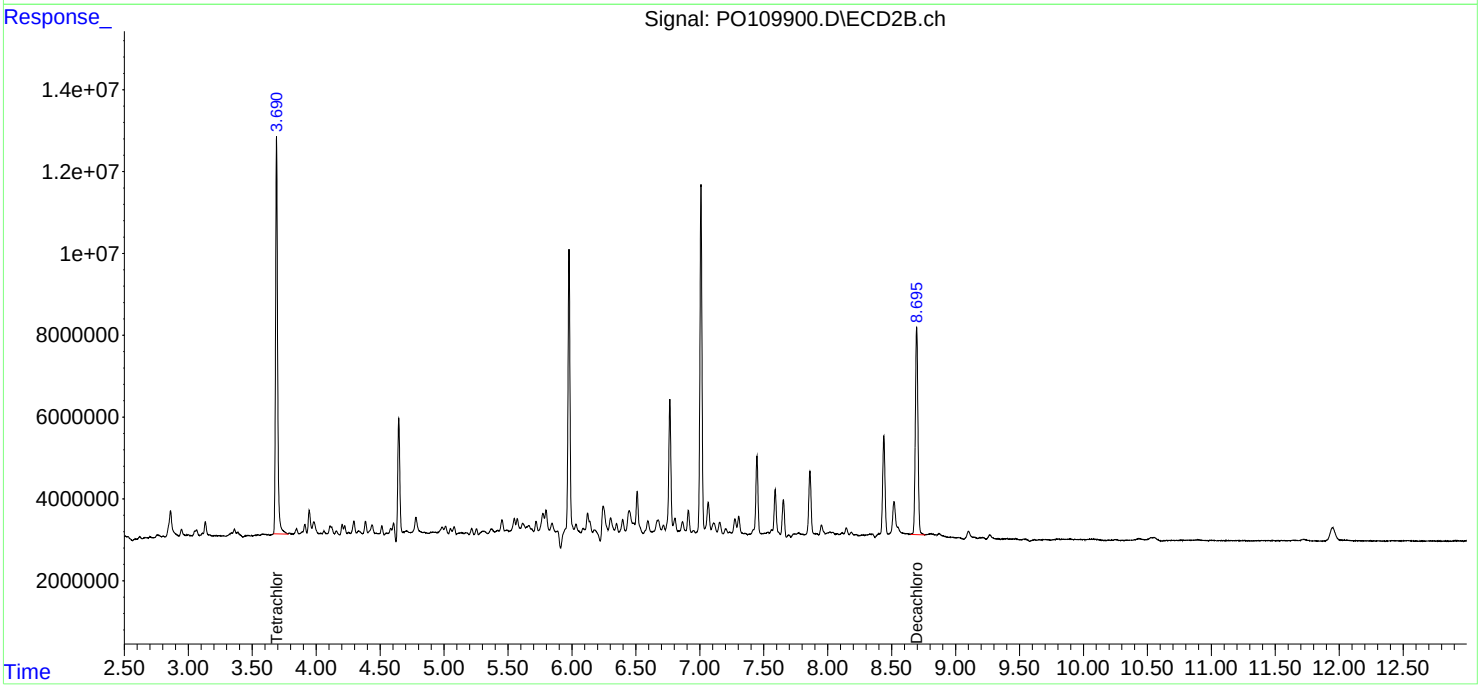
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 18:16
Operator : YP/AJ
Sample : Q1572-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

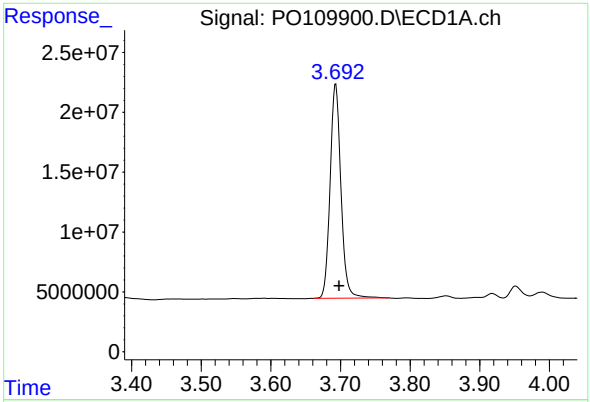
Instrument :
ECD_O
ClientSampleId :
C0O26

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:36:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



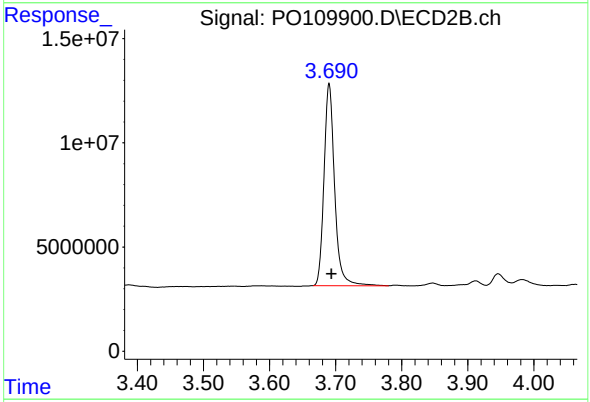




#1 Tetrachloro-m-xylene

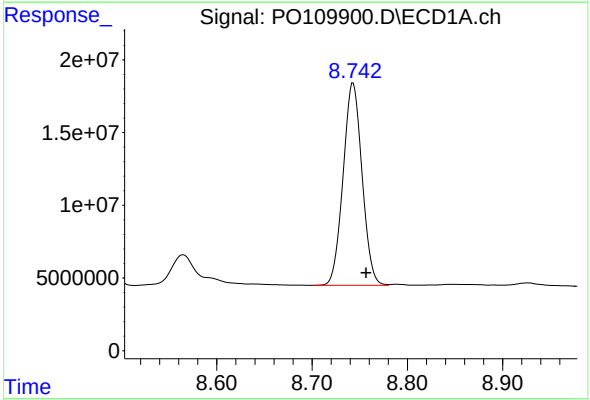
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 193212414
Conc: 20.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O26



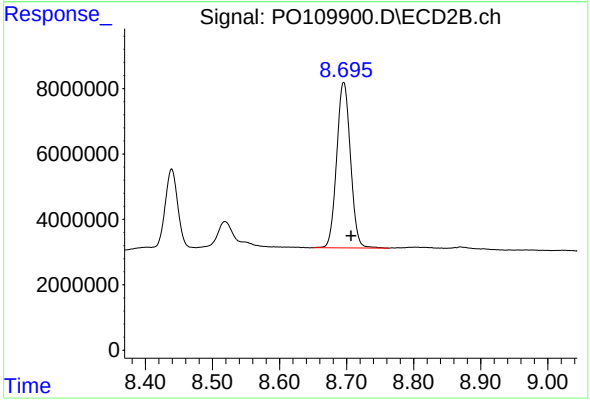
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 108443567
Conc: 20.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.014 min
Response: 192090944
Conc: 22.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: -0.011 min
Response: 72294807
Conc: 22.70 ng/ml

Raw Data: **PO109901.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O27	SDG No.:	Q1572
Lab Sample ID:	Q1572-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	73.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109901.D	1	03/14/25 12:25	03/14/25 18:34	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	23.0	U	5.30	23.0	ug/kg
11104-28-2	Aroclor-1221	23.0	U	5.40	23.0	ug/kg
11141-16-5	Aroclor-1232	23.0	U	5.00	23.0	ug/kg
53469-21-9	Aroclor-1242	23.0	U	5.40	23.0	ug/kg
12672-29-6	Aroclor-1248	23.0	U	8.00	23.0	ug/kg
11097-69-1	Aroclor-1254	23.0	U	4.30	23.0	ug/kg
37324-23-5	Aroclor-1262	23.0	U	6.80	23.0	ug/kg
11100-14-4	Aroclor-1268	23.0	U	4.90	23.0	ug/kg
11096-82-5	Aroclor-1260	23.0	U	4.40	23.0	ug/kg
Total PCBs	Total PCBs	23.0	U	8.00	23.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.7		32 - 175	63%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 18:34
Operator : YP/AJ
Sample : Q1572-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	185.5E6	103.7E6	19.593	19.816
2)	SA Decachlor...	8.744	8.695	107.1E6	40423941	12.456	12.695
	Target Compounds						

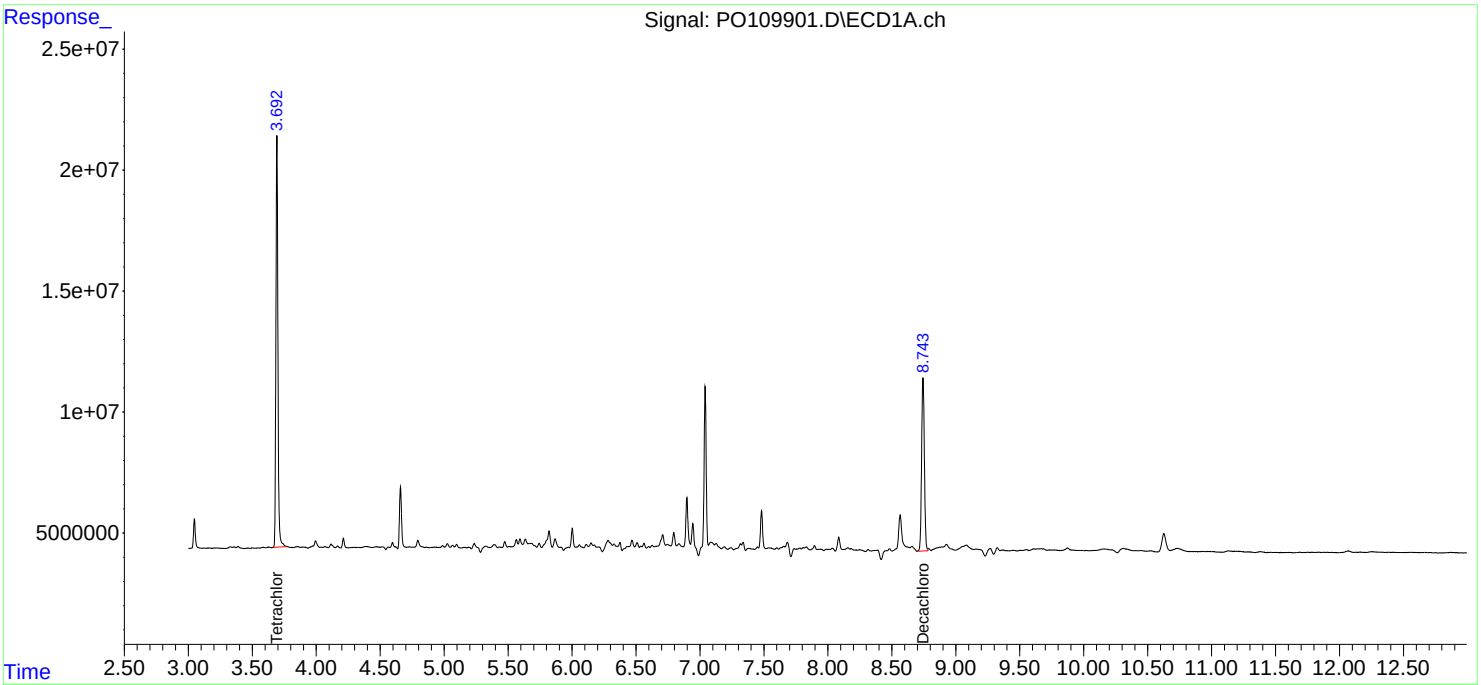
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

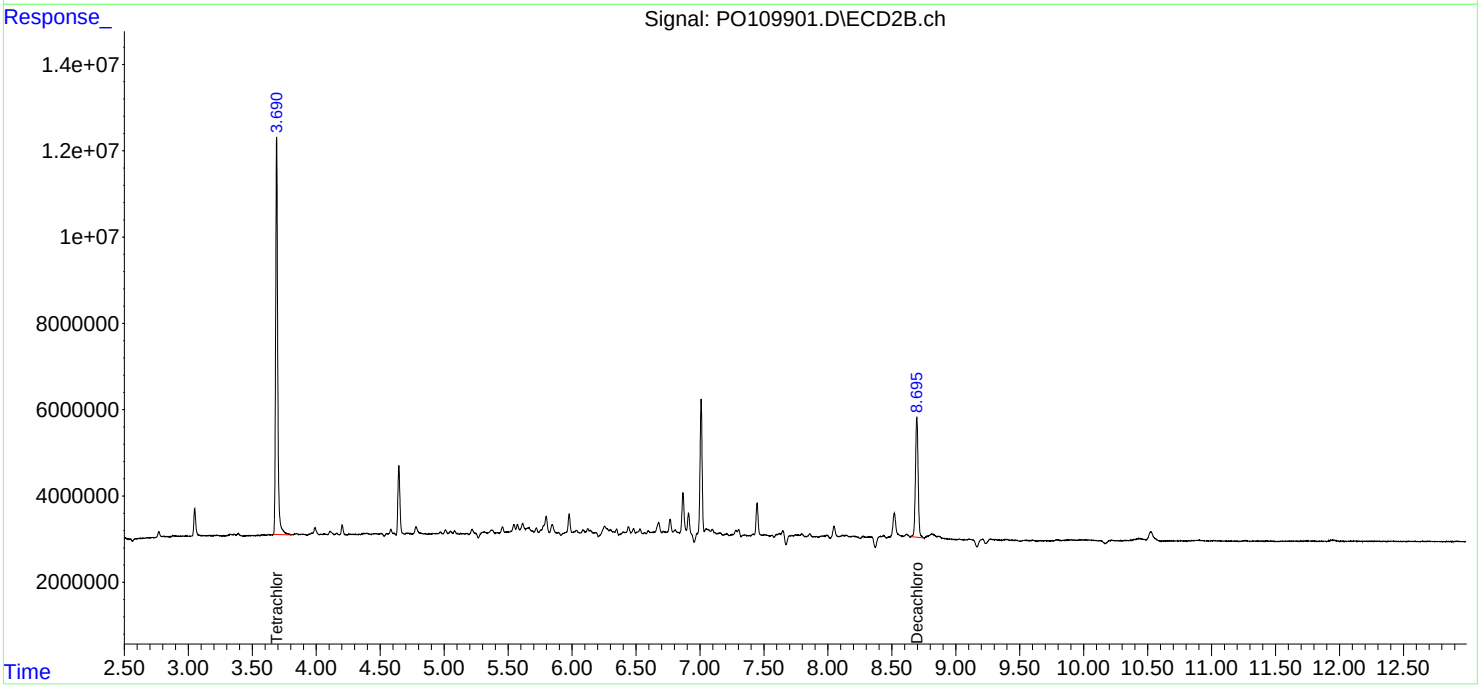
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 18:34
Operator : YP/AJ
Sample : Q1572-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

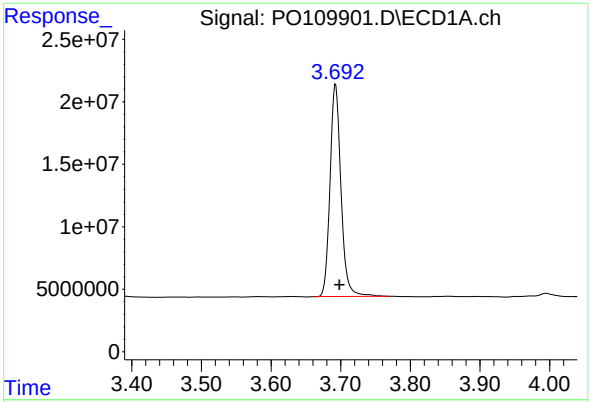
Instrument :
ECD_O
ClientSampleId :
C0O27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



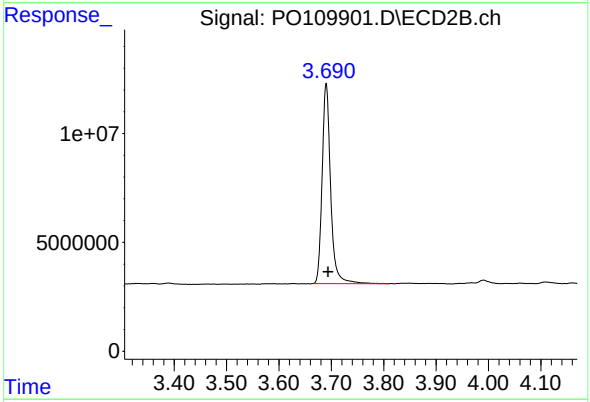




#1 Tetrachloro-m-xylene

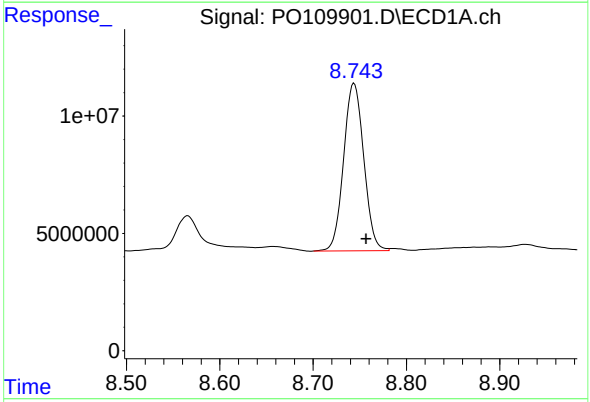
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 185450134
Conc: 19.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O27



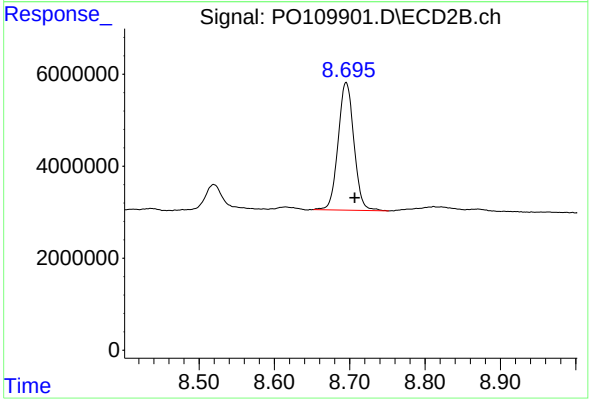
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 103721511
Conc: 19.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.013 min
Response: 107146132
Conc: 12.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.012 min
Response: 40423941
Conc: 12.69 ng/ml

Raw Data: **PO109902.D**

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O28	SDG No.:	Q1572
Lab Sample ID:	Q1572-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109902.D	1	03/14/25 12:25	03/14/25 18:52	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.5	U	4.80	20.5	ug/kg
11104-28-2	Aroclor-1221	20.5	U	4.90	20.5	ug/kg
11141-16-5	Aroclor-1232	20.5	U	4.50	20.5	ug/kg
53469-21-9	Aroclor-1242	20.5	U	4.80	20.5	ug/kg
12672-29-6	Aroclor-1248	71.4		7.10	20.5	ug/kg
11097-69-1	Aroclor-1254	20.5	U	3.90	20.5	ug/kg
37324-23-5	Aroclor-1262	20.5	U	6.00	20.5	ug/kg
11100-14-4	Aroclor-1268	20.5	U	4.30	20.5	ug/kg
11096-82-5	Aroclor-1260	26.9		3.90	20.5	ug/kg
Total PCBs	Total PCBs	98.2		11.0	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		32 - 175	64%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 18:52
Operator : YP/AJ
Sample : Q1572-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
C0O28

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:37:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	195.3E6	109.8E6	20.630	20.983
2)	SA Decachlor...	8.743	8.694	108.4E6	40633994	12.597m	12.761m
	Target Compounds						
21)	L5 AR-1248-1	4.787	4.773	23778191	14304410	119.184	142.294
22)	L5 AR-1248-2	5.024	5.008	34483587	19096450	123.912	131.265
23)	L5 AR-1248-3	5.238	5.050	40423254	21933930	115.702	141.502
24)	L5 AR-1248-4	5.593	5.221	104.8E6	23067897	219.656	127.590 #
25)	L5 AR-1248-5	5.634	5.614	106.4E6	57771337	310.553	335.482
31)	L7 AR-1260-1	6.280	6.254	50623524	26179546	108.604m	110.500m
32)	L7 AR-1260-2	6.469	6.441	38465105	18848859	68.066	68.499m
33)	L7 AR-1260-3	6.835	6.594	21690534	15161988	45.601	59.442m#
34)	L7 AR-1260-4	7.095	7.065	26227204	11903336	60.767m	57.729m
35)	L7 AR-1260-5	7.338	7.306	34895853	17153502	35.111	38.308

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 18:52
Operator : YP/AJ
Sample : Q1572-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

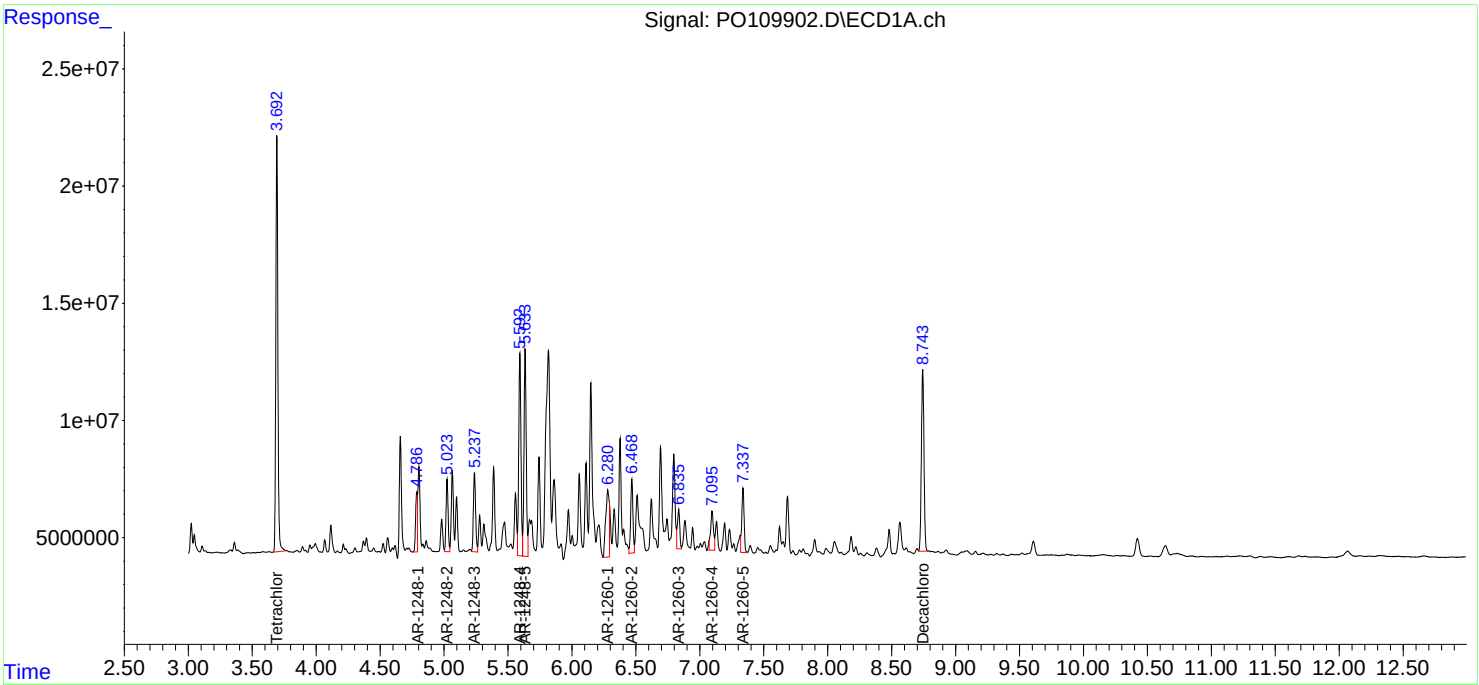
Instrument :
ECD_O
ClientSampleId :
C0O28

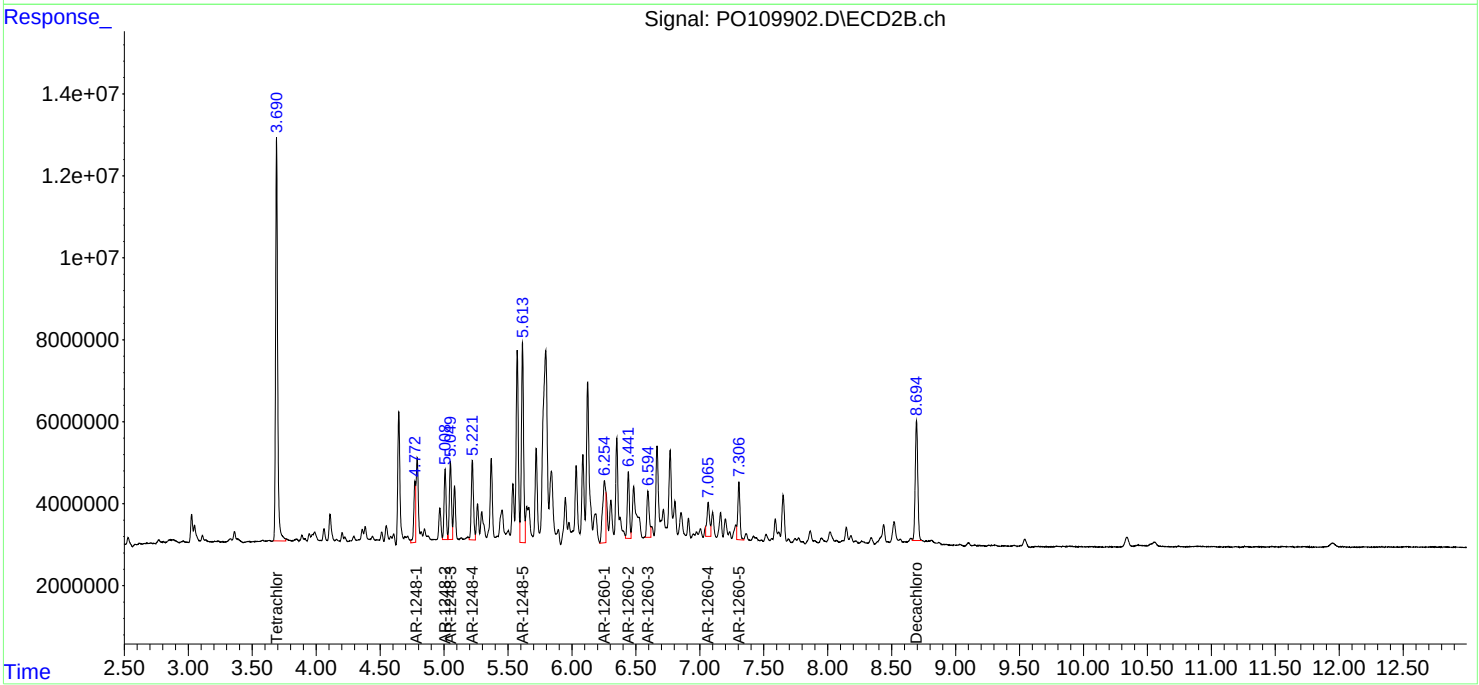
Manual Integrations APPROVED

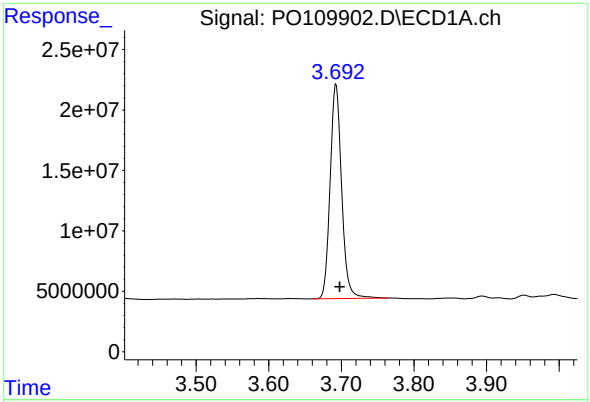
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:37:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







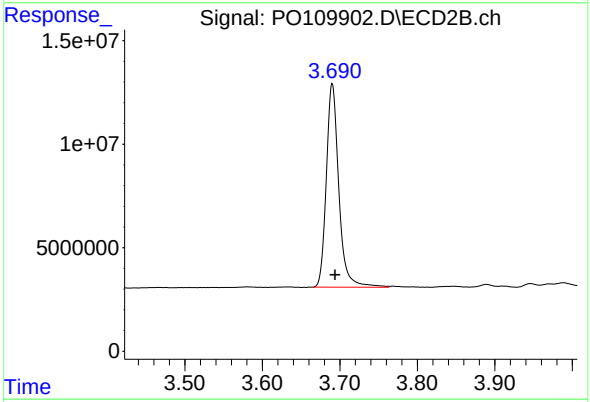
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 195267690
Conc: 20.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O28

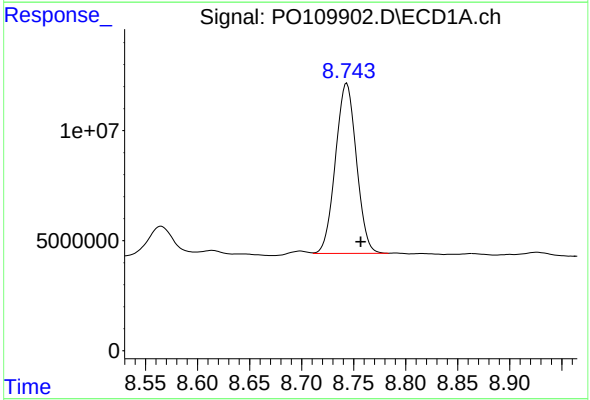
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



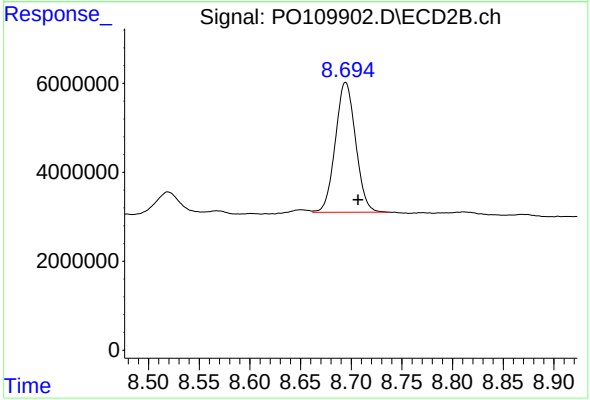
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 109829156
Conc: 20.98 ng/ml



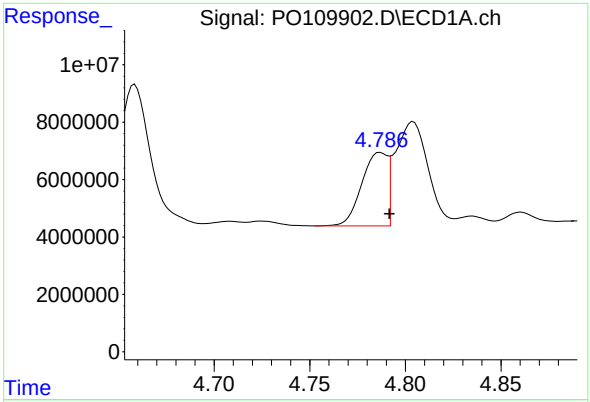
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.014 min
Response: 108360906
Conc: 12.60 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.013 min
Response: 40633994
Conc: 12.76 ng/ml m



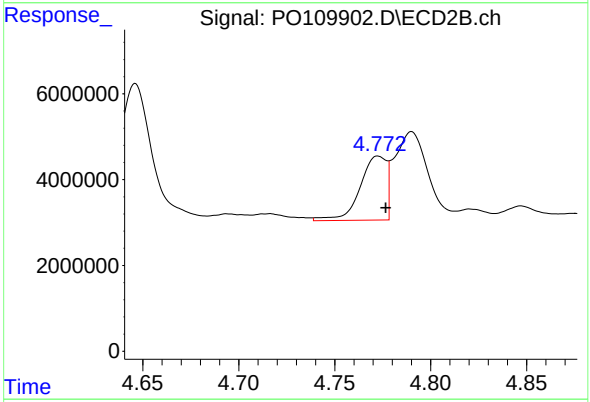
#21 AR-1248-1

R.T.: 4.787 min
Delta R.T.: -0.005 min
Response: 23778191
Conc: 119.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O28

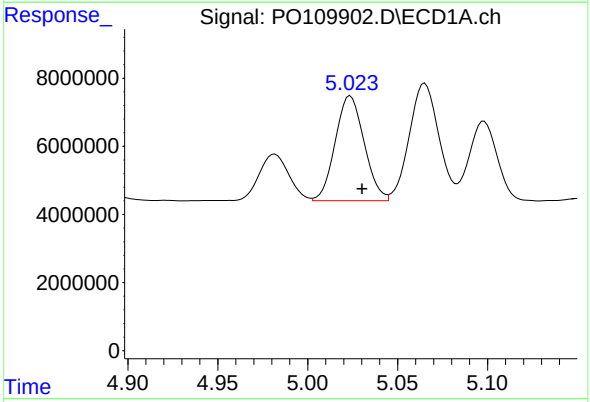
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



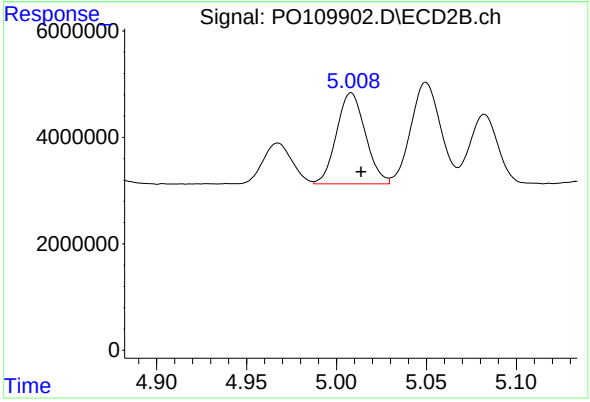
#21 AR-1248-1

R.T.: 4.773 min
Delta R.T.: -0.004 min
Response: 14304410
Conc: 142.29 ng/ml



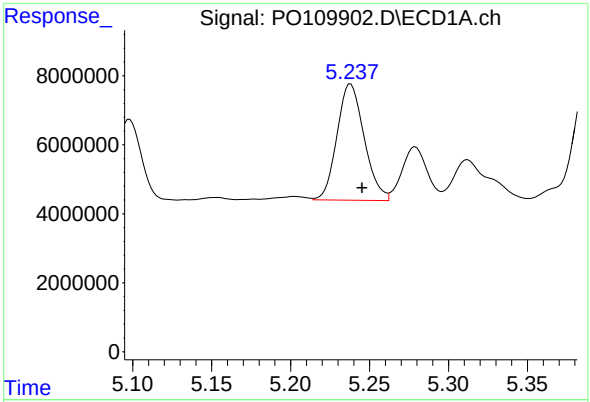
#22 AR-1248-2

R.T.: 5.024 min
Delta R.T.: -0.007 min
Response: 34483587
Conc: 123.91 ng/ml



#22 AR-1248-2

R.T.: 5.008 min
Delta R.T.: -0.005 min
Response: 19096450
Conc: 131.27 ng/ml



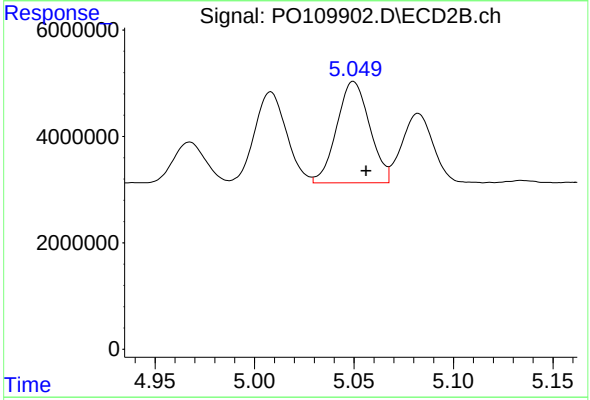
#23 AR-1248-3

R.T.: 5.238 min
Delta R.T.: -0.007 min
Response: 40423254
Conc: 115.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O28

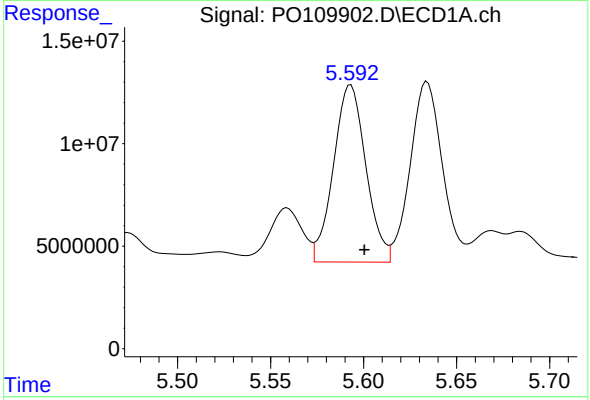
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



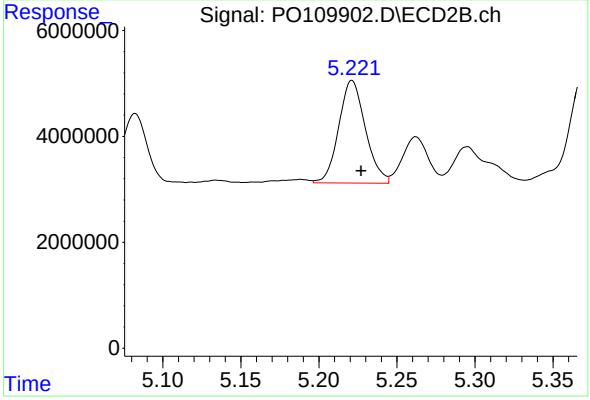
#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: -0.006 min
Response: 21933930
Conc: 141.50 ng/ml



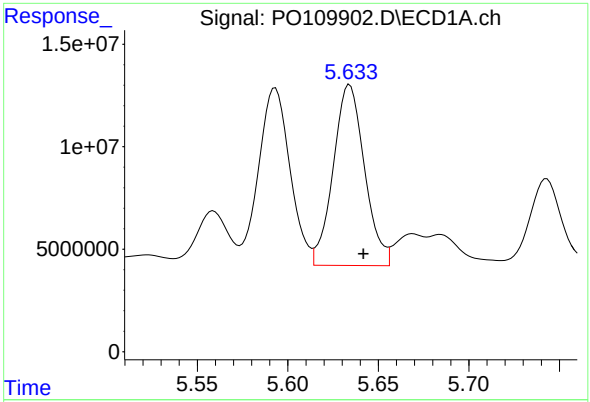
#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: -0.007 min
Response: 104796548
Conc: 219.66 ng/ml



#24 AR-1248-4

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 23067897
Conc: 127.59 ng/ml



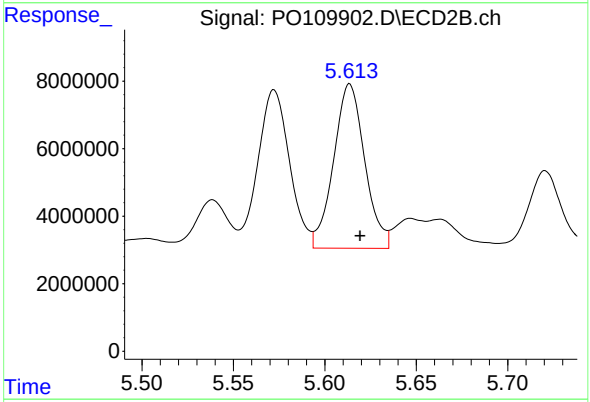
#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: -0.008 min
Response: 106367296
Conc: 310.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O28

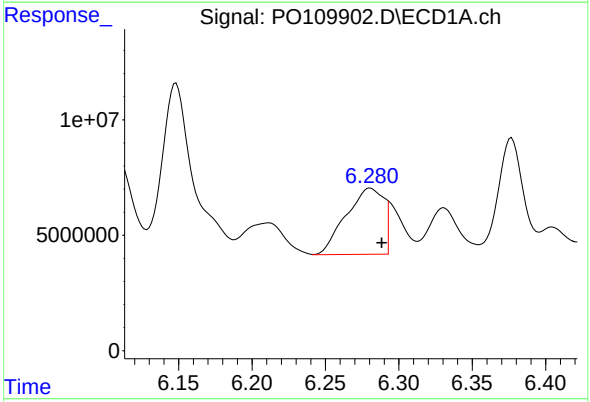
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



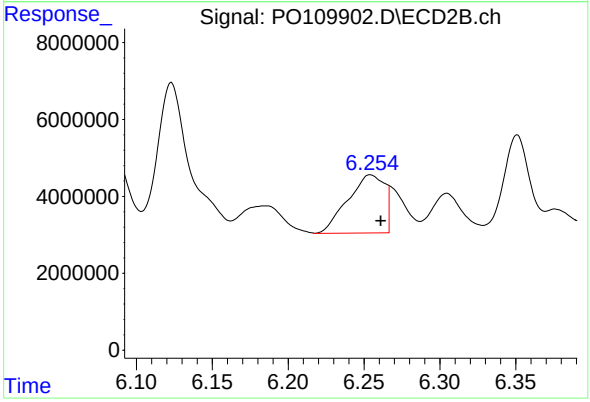
#25 AR-1248-5

R.T.: 5.614 min
Delta R.T.: -0.006 min
Response: 57771337
Conc: 335.48 ng/ml



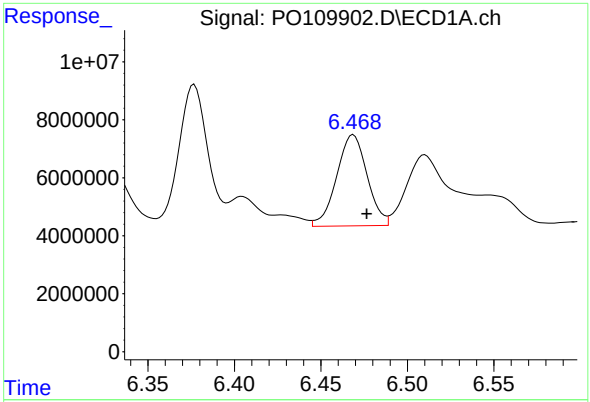
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: -0.009 min
Response: 50623524
Conc: 108.60 ng/ml m



#31 AR-1260-1

R.T.: 6.254 min
Delta R.T.: -0.007 min
Response: 26179546
Conc: 110.50 ng/ml m



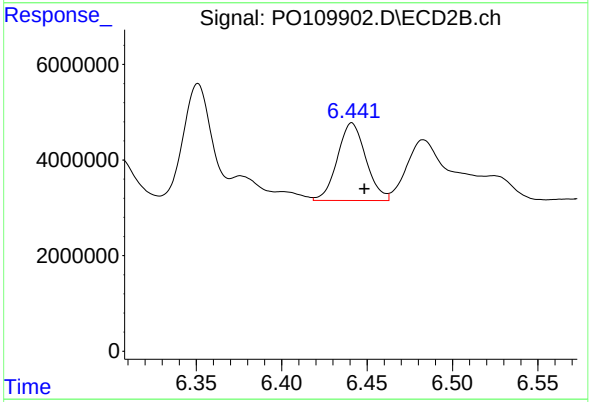
#32 AR-1260-2

R.T.: 6.469 min
Delta R.T.: -0.008 min
Response: 38465105
Conc: 68.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O28

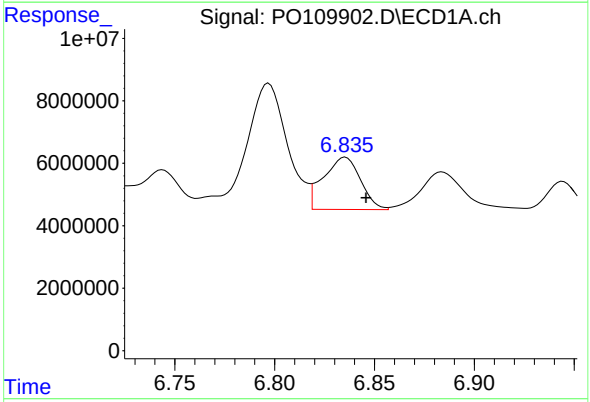
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



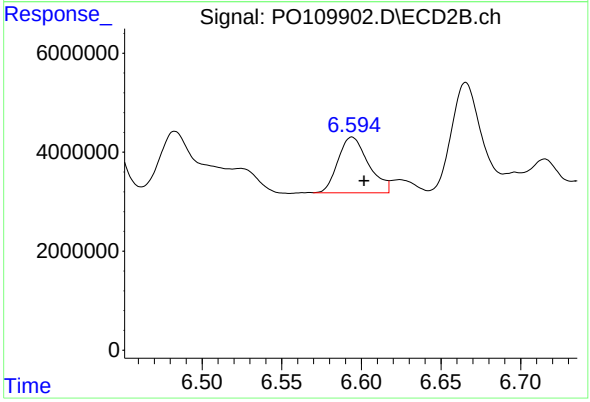
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.008 min
Response: 18848859
Conc: 68.50 ng/ml m



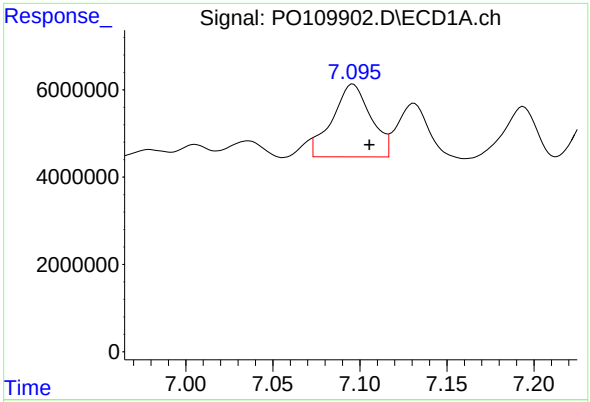
#33 AR-1260-3

R.T.: 6.835 min
Delta R.T.: -0.010 min
Response: 21690534
Conc: 45.60 ng/ml



#33 AR-1260-3

R.T.: 6.594 min
Delta R.T.: -0.008 min
Response: 15161988
Conc: 59.44 ng/ml m



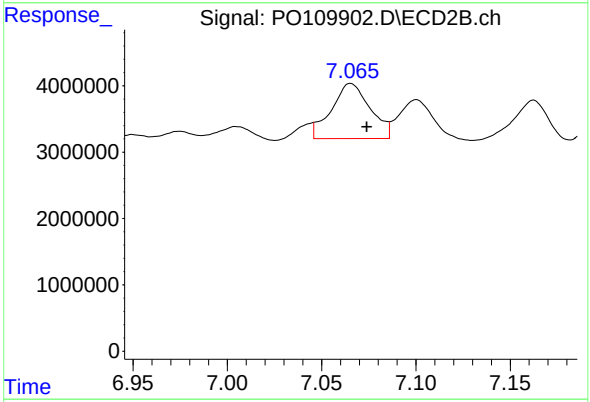
#34 AR-1260-4

R.T.: 7.095 min
Delta R.T.: -0.010 min
Response: 26227204
Conc: 60.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
C0O28

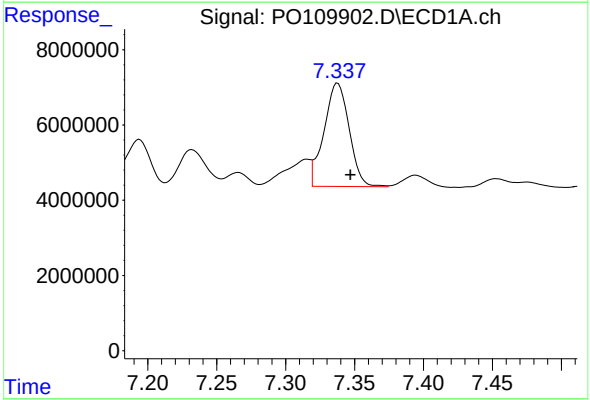
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



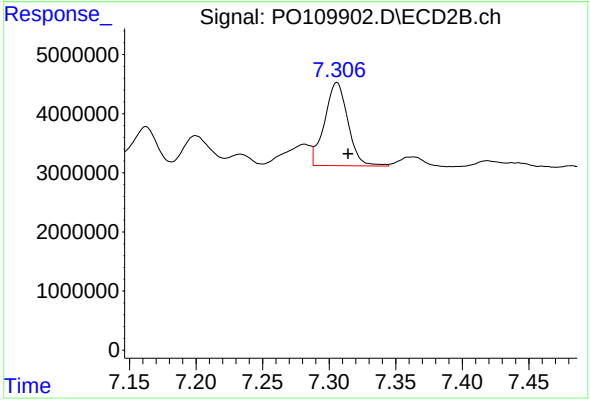
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.009 min
Response: 11903336
Conc: 57.73 ng/ml m



#35 AR-1260-5

R.T.: 7.338 min
Delta R.T.: -0.009 min
Response: 34895853
Conc: 35.11 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 17153502
Conc: 38.31 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: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: RT 1000 = PO109426.D RT 750 = PO109427.D

RT 500 = PO109428.D RT 250 = PO109429.D RT 050 = PO109430.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.85	6.85	6.85	6.85	6.84	6.85	6.75	6.95
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.10	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-4	(4)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.75	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.38	6.39	6.39	6.39	6.38	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.75	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
Aroclor-1268-5	(5)	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.75	8.76	8.75	8.76	8.66	8.86
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

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: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: RT 1000 = PO109426.D RT 750 = PO109427.D

RT 500 = PO109428.D RT 250 = PO109429.D RT 050 = PO109430.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1260-2	(2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.77	6.78	6.77	6.78	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.70	8.71	8.61	8.81
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	285955176	296470909	301678880	330073932	327272520	308290283	6
Aroclor-1016-2	(2)	400344510	409149469	414645114	446605912	434387780	421026557	5
Aroclor-1016-3	(3)	275712654	284750529	289403798	321232168	307985600	295816950	6
Aroclor-1016-4	(4)	217819857	224475380	225979744	249359212	241266360	231780111	6
Aroclor-1016-5	(5)	234915990	244172492	252269048	280073416	279718840	258229957	8
Aroclor-1260-1	(1)	432857882	445030616	458030860	496965692	497771560	466131322	6
Aroclor-1260-2	(2)	530613873	540598143	549997768	596865796	607516180	565118352	6
Aroclor-1260-3	(3)	446055940	458685821	463532386	505033376	504998020	475661109	6
Aroclor-1260-4	(4)	409227231	417077069	426071740	458083200	447546300	431601108	5
Aroclor-1260-5	(5)	975246933	982402905	1001465846	1034939896	975352280	993881572	3
Decachlorobiphenyl		8144381710	8253336907	8542716440	9068866760	9000001000	8601860563	5
Tetrachloro-m-xylene		9594159870	9382441773	9407964980	9839303320	9101752600	9465124509	3
Aroclor-1242-1	(1)	241553792	248781753	263582376	278206104	276700060	261764817	6
Aroclor-1242-2	(2)	330250979	341141312	360022594	377835792	370979720	356046079	6
Aroclor-1242-3	(3)	230958690	239403319	256570990	271941764	257976860	251370325	6
Aroclor-1242-4	(4)	181873604	188232188	200194694	210194852	201763980	196451864	6
Aroclor-1242-5	(5)	192196869	198312276	212424054	232317448	236630280	214376185	9
Decachlorobiphenyl		7571460160	7783053733	8197005760	8686332120	8704566000	8188483555	6
Tetrachloro-m-xylene		9236931880	9400204853	9446860340	9568057960	9056865000	9341784007	2
Aroclor-1248-1	(1)	183385441	189253437	200901320	213658596	210346400	199509039	7
Aroclor-1248-2	(2)	249519113	262229969	281655510	299590856	298458120	278290714	8
Aroclor-1248-3	(3)	313646829	324719312	346217716	370103360	392176240	349372691	9
Aroclor-1248-4	(4)	439951399	452724037	479184310	509535492	504078340	477094716	6
Aroclor-1248-5	(5)	310476659	318507132	337630456	365736804	380196620	342509534	9
Decachlorobiphenyl		7703959900	7913043760	8337132500	8816038680	8879579800	8329950928	6
Tetrachloro-m-xylene		9154374770	9319706587	9763537060	9884300480	9250244600	9474432699	3
Aroclor-1254-1	(1)	480630669	491242291	514290722	548494120	543375540	515606668	6
Aroclor-1254-2	(2)	417535343	429223996	451482582	481224324	472406420	450374533	6
Aroclor-1254-3	(3)	684838056	697322969	725628940	760808456	711178620	715955408	4
Aroclor-1254-4	(4)	417970360	409808872	428749386	461366848	376062040	418791501	7
Aroclor-1254-5	(5)	597298518	608943563	631623464	663830224	617819000	623902954	4
Decachlorobiphenyl		7967092830	8125756000	8528343640	8986366600	8782372000	8477986214	5
Tetrachloro-m-xylene		9511051460	9602004080	9843620680	9994457760	8495604200	9489347636	6
Aroclor-1268-1	(1)	1298860853	1294002563	1318124330	1365675636	1344427900	1324218256	2

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1196326079	1189492827	1207881780	1246550744	1205280700	1209106426	2
Aroclor-1268-3	(3)	1000400149	998939115	1012813102	1049647308	1029090160	1018177967	2
Aroclor-1268-4	(4)	407507962	408969772	420298422	442140308	445377360	424858765	4
Aroclor-1268-5	(5)	3060378797	3013397139	3036609122	3075360324	2912511720	3019651420	2
Decachlorobiphenyl		14147642890	14125651173	14472115980	15180190720	15441285400	14673377233	4
Tetrachloro-m-xylene		9652630020	9799388160	9953085600	10360200640	9708060200	9894672924	3

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	144422659	148428763	152032096	167484860	168484300	156170536	7
Aroclor-1016-2	(2)	205202725	208508729	213432994	229519564	225505040	216433810	5
Aroclor-1016-3	(3)	112302196	115067393	117212622	128579748	124094120	119451216	6
Aroclor-1016-4	(4)	94709981	98717735	101165102	112923876	112836120	104070563	8
Aroclor-1016-5	(5)	124417087	127943616	132644098	146345704	149917060	136253513	8
Aroclor-1260-1	(1)	217936136	223782013	232739904	251644640	258495520	236919643	7
Aroclor-1260-2	(2)	255563339	259366392	268832038	291215424	300878620	275171163	7
Aroclor-1260-3	(3)	239301078	242165468	249897958	270279452	273707020	255070195	6
Aroclor-1260-4	(4)	193987222	196916529	202218624	218214048	219624820	206192249	6
Aroclor-1260-5	(5)	436097628	435546231	443785112	464386884	459099080	447782987	3
Decachlorobiphenyl		2971514290	3027039307	3156019460	3385128400	3381593200	3184258931	6
Tetrachloro-m-xylene		5186272490	5246400280	5221242400	5478386840	5038748400	5234210082	3
Aroclor-1242-1	(1)	120966720	124746516	133128702	141428800	141463920	132346932	7
Aroclor-1242-2	(2)	169605960	173512545	183266616	192017376	189176180	181515735	5
Aroclor-1242-3	(3)	93390359	96634075	102245092	107691940	99411220	99874537	5
Aroclor-1242-4	(4)	96389066	101019272	107789002	115338428	114056640	106918482	8
Aroclor-1242-5	(5)	113196636	117716005	125239314	135801980	136573300	125705447	8
Decachlorobiphenyl		2727823240	2861750760	3019178360	3243379080	3243962600	3019218808	8
Tetrachloro-m-xylene		5001213420	5078322907	5254229320	5289448280	4851665000	5094975785	4
Aroclor-1248-1	(1)	91256927	94139561	100767396	107614600	108857060	100527109	8
Aroclor-1248-2	(2)	130560541	136645137	146421094	157143508	156628300	145479716	8
Aroclor-1248-3	(3)	139283148	144897643	155701690	166430352	168727860	155008139	8
Aroclor-1248-4	(4)	163903044	169411200	180364434	193711724	196594760	180797032	8
Aroclor-1248-5	(5)	154356880	158447996	169575560	183331920	195308840	172204239	10
Decachlorobiphenyl		2790488700	2873613467	3038569420	3241156720	3294897400	3047745141	7
Tetrachloro-m-xylene		4955293160	5040468413	5221131320	5264696400	4750589600	5046435779	4
Aroclor-1254-1	(1)	243640751	248872624	260914738	280861344	273402140	261538319	6
Aroclor-1254-2	(2)	212545511	218679507	230680254	249214456	261687520	234561450	9
Aroclor-1254-3	(3)	339799719	346366689	360950750	378906048	357499640	356704569	4
Aroclor-1254-4	(4)	192329190	189854227	199746634	214807996	168878980	193123405	9
Aroclor-1254-5	(5)	278490681	283928981	296376396	314100456	310764660	296732235	5
Decachlorobiphenyl		2841760820	2921691133	3072525860	3310057280	3280037800	3085214579	7
Tetrachloro-m-xylene		5117525260	5147853200	5214583540	5337931960	4481650800	5059908952	7
Aroclor-1268-1	(1)	554131487	553810328	564174560	591076320	593868340	571412207	3

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	512614105	511079256	520949472	543420336	536655740	524943782	3
Aroclor-1268-3	(3)	413643589	412567932	420525622	442592008	450889440	428043718	4
Aroclor-1268-4	(4)	153729603	155030577	163078820	169661456	165174880	161335067	4
Aroclor-1268-5	(5)	1087226853	1077982207	1085826158	1121186428	1093500600	1093144449	2
Decachlorobiphenyl		4950835750	4972853373	5123922200	5430816080	5582978400	5212281161	5
Tetrachloro-m-xylene		5266816140	5271127760	5328349480	5507659840	5128975000	5300585644	3

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Instrument ID: ECD_O **Date(s) Analyzed:** 02/20/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	131879000
		2	4.00	3.90	4.10	98701000
		3	4.07	3.97	4.17	269838000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	208928000
		2	4.57	4.47	4.67	116083000
		3	4.81	4.71	4.91	201936000
		4	4.99	4.89	5.09	111220000
		5	5.03	4.93	5.13	81668600
Aroclor-1262	500	1	6.85	6.75	6.95	665842000
		2	7.35	7.25	7.45	1129720000
		3	7.63	7.53	7.73	448264000
		4	7.70	7.60	7.80	829210000
		5	8.19	8.09	8.29	373330000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Instrument ID: ECD_O **Date(s) Analyzed:** 02/20/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	68502400
		2	3.99	3.89	4.09	51339800
		3	4.07	3.97	4.17	145428000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	111462000
		2	4.80	4.70	4.90	103317000
		3	4.97	4.87	5.07	56771800
		4	5.06	4.96	5.16	54894600
		5	5.23	5.13	5.33	58805000
Aroclor-1262	500	1	6.81	6.71	6.91	317212000
		2	7.31	7.21	7.41	498620000
		3	7.60	7.50	7.70	196255000
		4	7.66	7.56	7.76	354890000
		5	8.15	8.05	8.25	143138000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:46
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	959.4E6	518.6E6	101.979	99.330
2)	SA Decachlor...	8.757	8.706	814.4E6	297.2E6	95.337	94.154
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.777	286.0E6	144.4E6	947.879	949.948
4)	L1 AR-1016-2	4.811	4.797	400.3E6	205.2E6	965.511	961.439
5)	L1 AR-1016-3	4.867	4.972	275.7E6	112.3E6	952.692	958.107
6)	L1 AR-1016-4	4.988	5.014	217.8E6	94709981	963.891	936.192
7)	L1 AR-1016-5	5.246	5.228	234.9E6	124.4E6	931.212	937.977
31)	L7 AR-1260-1	6.288	6.261	432.9E6	217.9E6	945.041	936.394
32)	L7 AR-1260-2	6.477	6.448	530.6E6	255.6E6	964.756	950.643
33)	L7 AR-1260-3	6.845	6.602	446.1E6	239.3E6	962.297	957.595
34)	L7 AR-1260-4	7.106	7.073	409.2E6	194.0E6	960.466	959.295
35)	L7 AR-1260-5	7.347	7.314	975.2E6	436.1E6	973.819	982.677

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

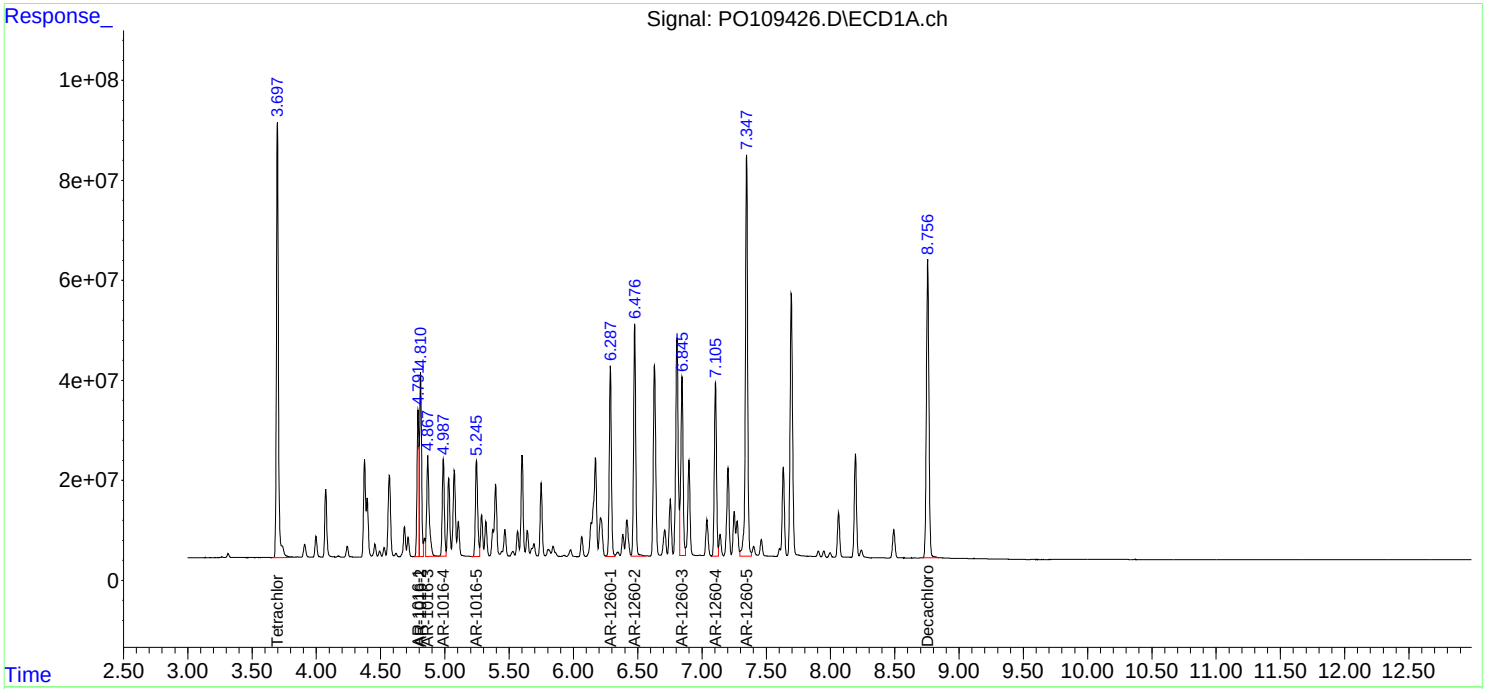
ICAL Form

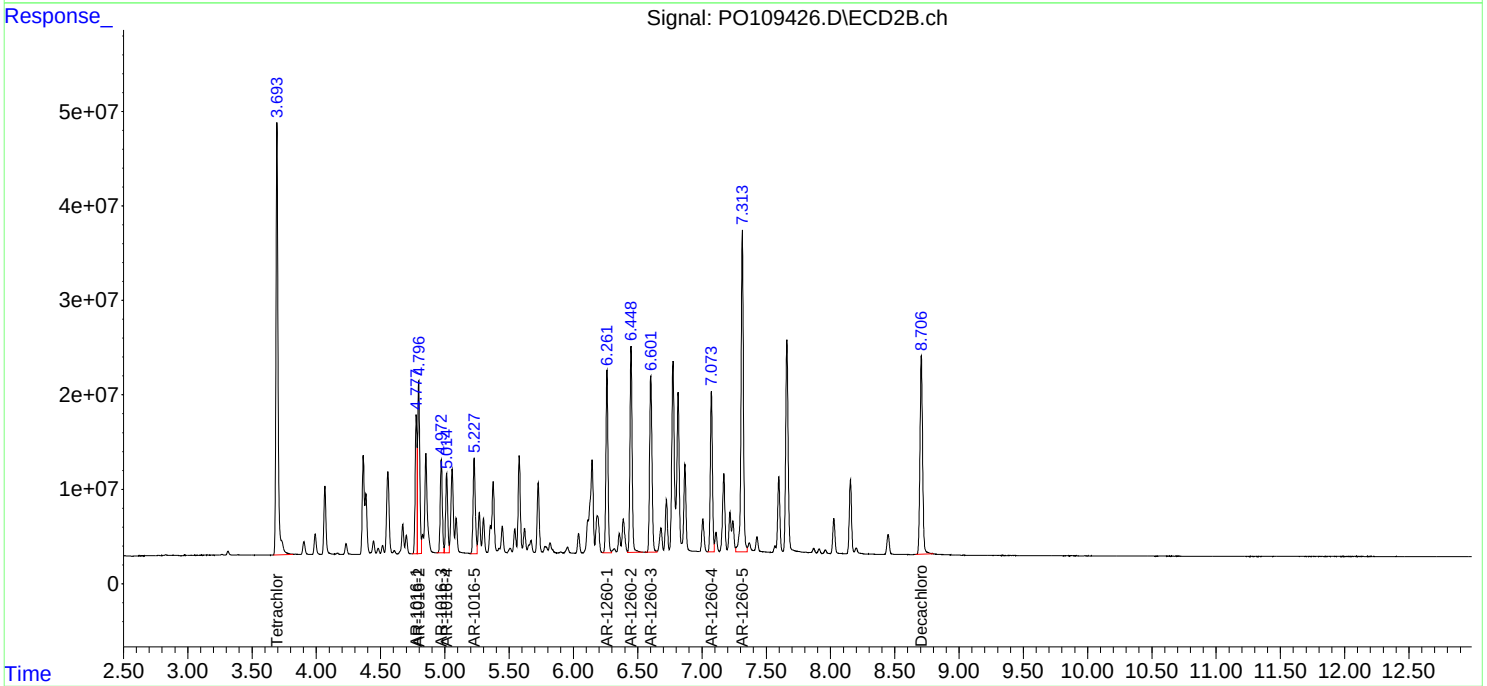
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:46
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

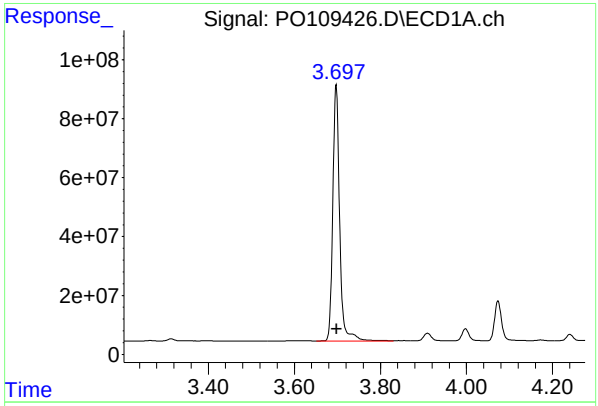
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



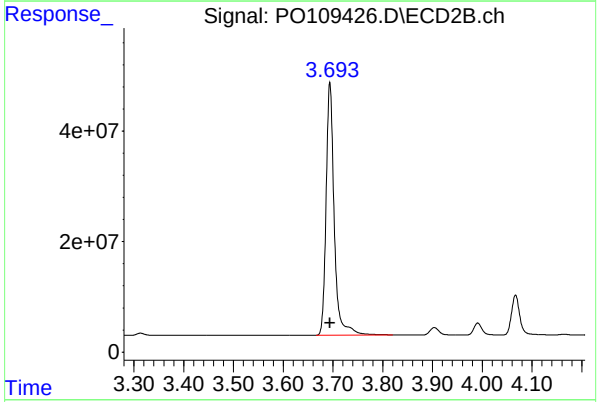




#1 Tetrachloro-m-xylene

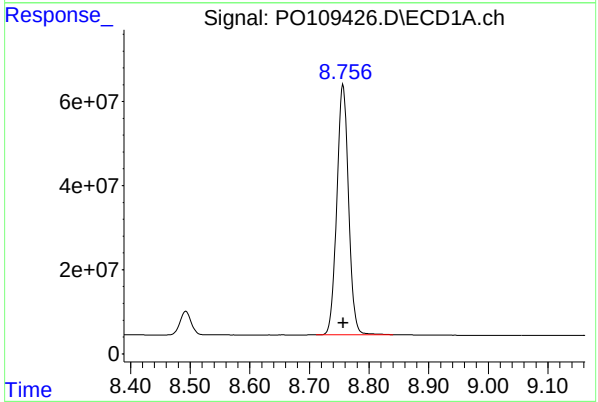
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 959415987
Conc: 101.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



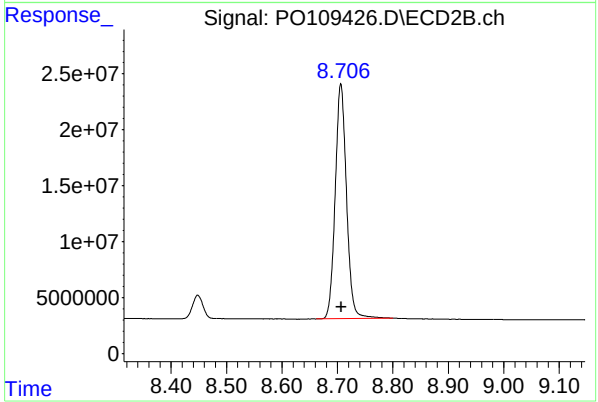
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 518627249
Conc: 99.33 ng/ml



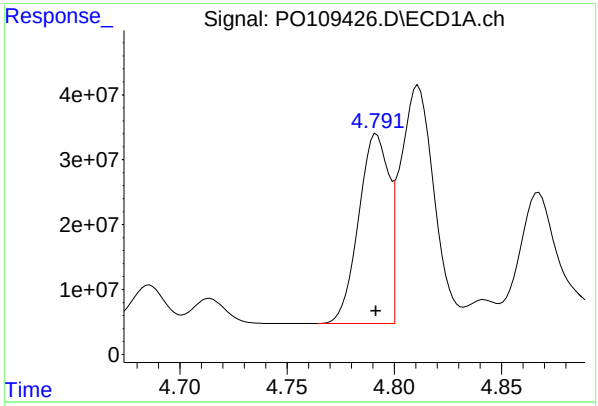
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 814438171
Conc: 95.34 ng/ml



#2 Decachlorobiphenyl

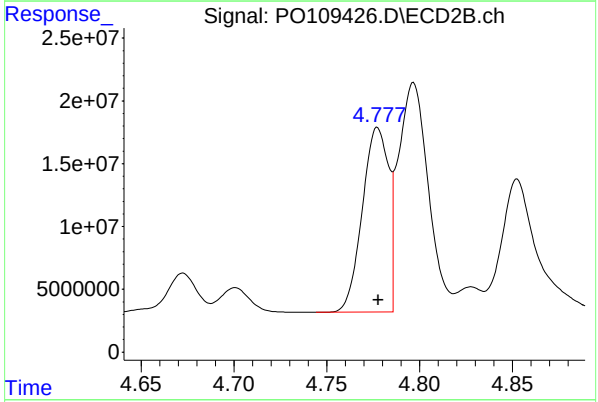
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 297151429
Conc: 94.15 ng/ml



#3 AR-1016-1

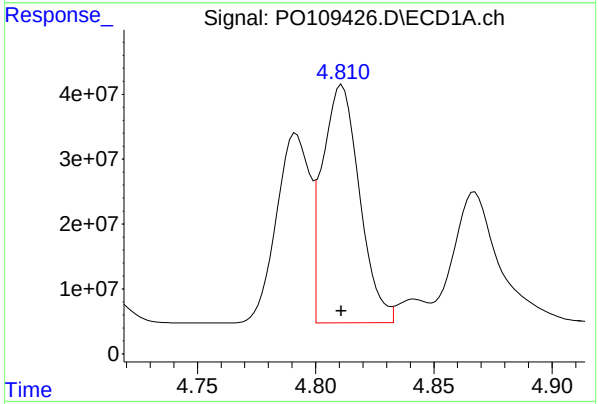
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 285955176
Conc: 947.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



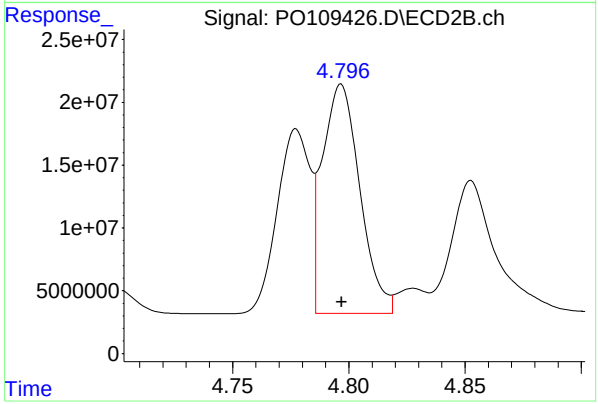
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 144422659
Conc: 949.95 ng/ml



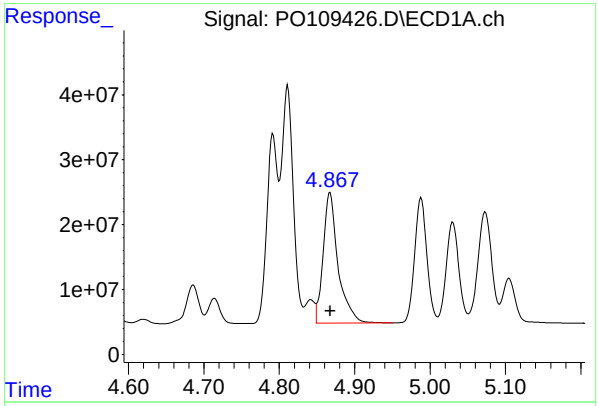
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 400344510
Conc: 965.51 ng/ml



#4 AR-1016-2

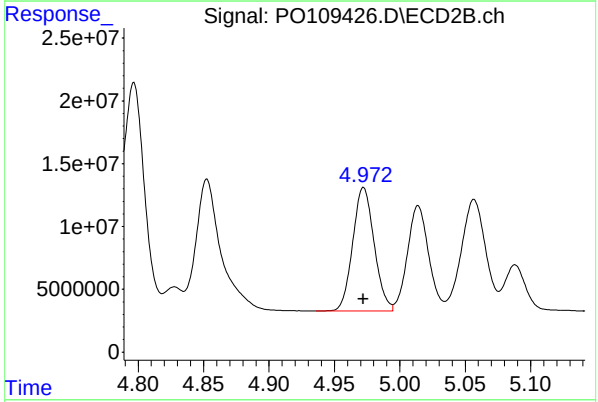
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 205202725
Conc: 961.44 ng/ml



#5 AR-1016-3

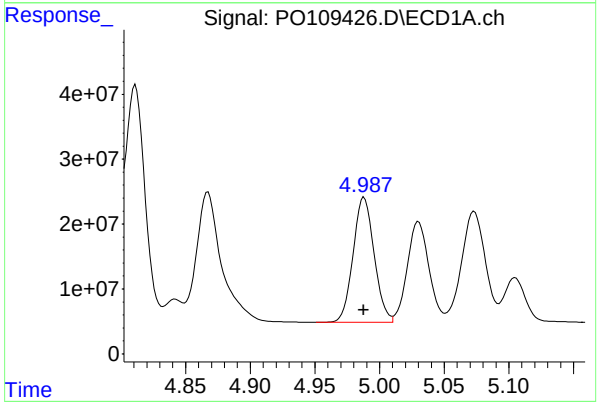
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 275712654
Conc: 952.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



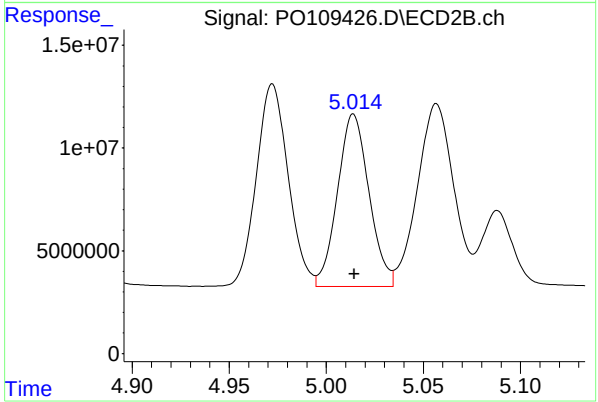
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 112302196
Conc: 958.11 ng/ml



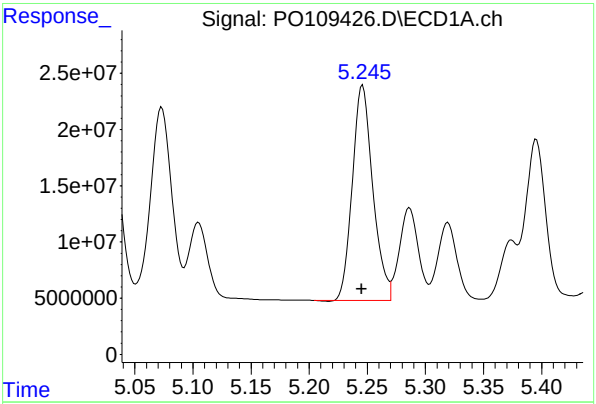
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 217819857
Conc: 963.89 ng/ml



#6 AR-1016-4

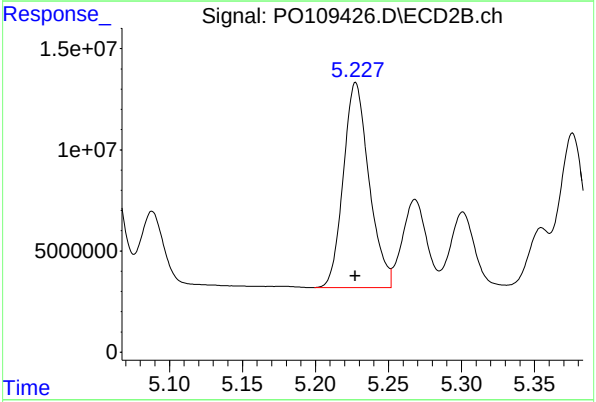
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 94709981
Conc: 936.19 ng/ml



#7 AR-1016-5

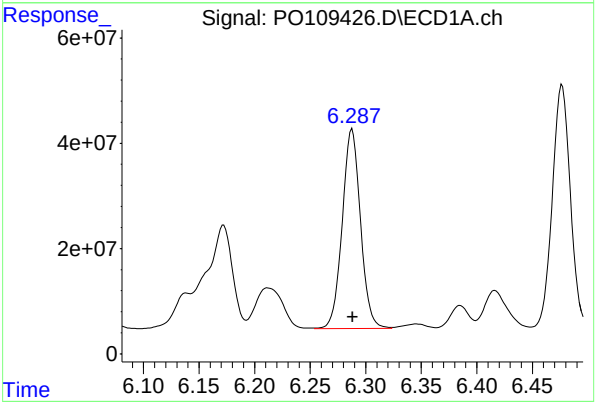
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 234915990
Conc: 931.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



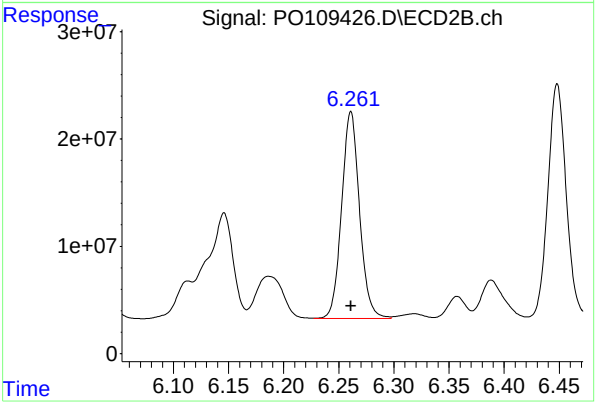
#7 AR-1016-5

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 124417087
Conc: 937.98 ng/ml



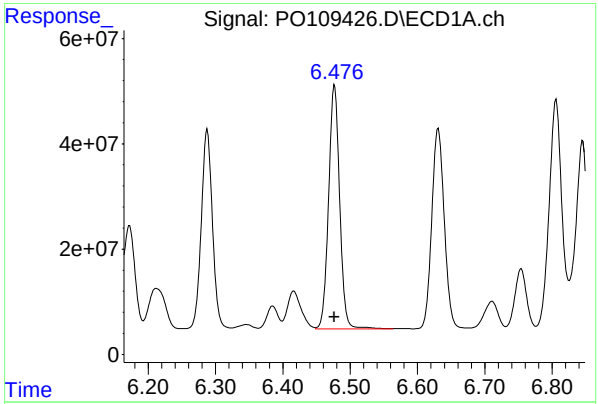
#31 AR-1260-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 432857882
Conc: 945.04 ng/ml



#31 AR-1260-1

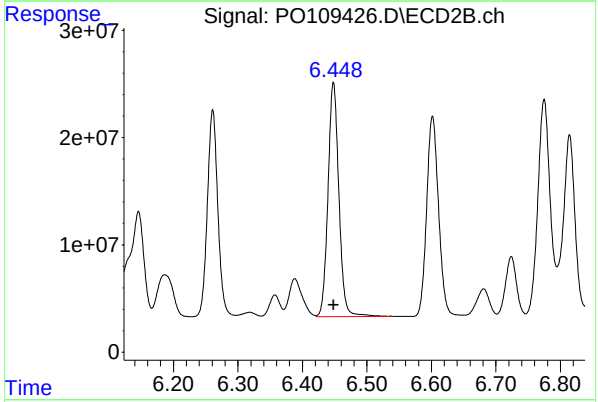
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 217936136
Conc: 936.39 ng/ml



#32 AR-1260-2

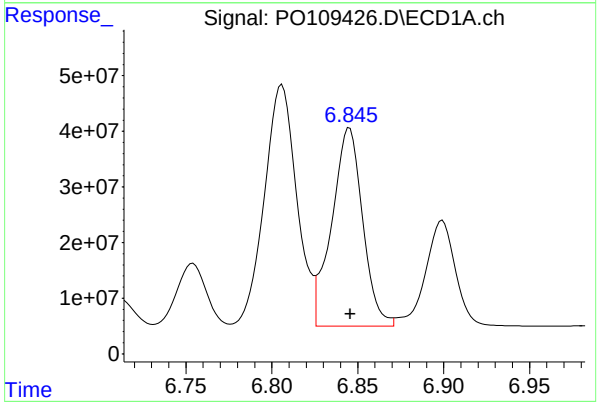
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 530613873
Conc: 964.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



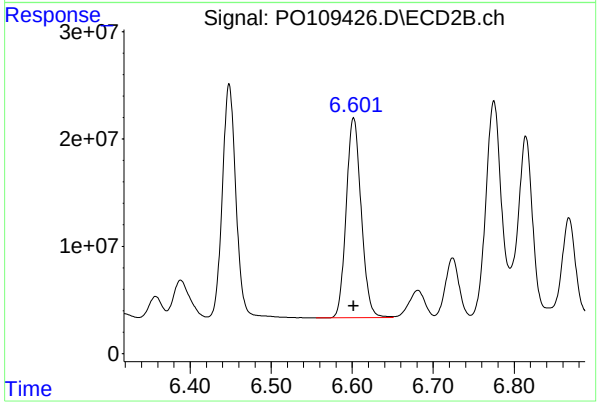
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 255563339
Conc: 950.64 ng/ml



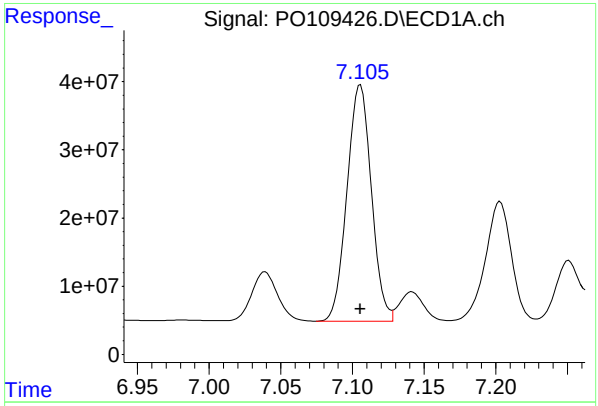
#33 AR-1260-3

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 446055940
Conc: 962.30 ng/ml



#33 AR-1260-3

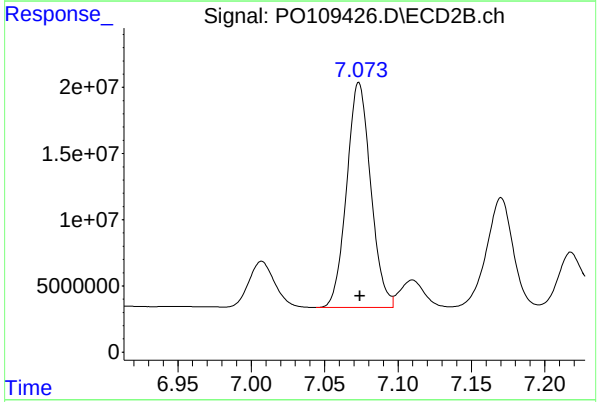
R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 239301078
Conc: 957.60 ng/ml



#34 AR-1260-4

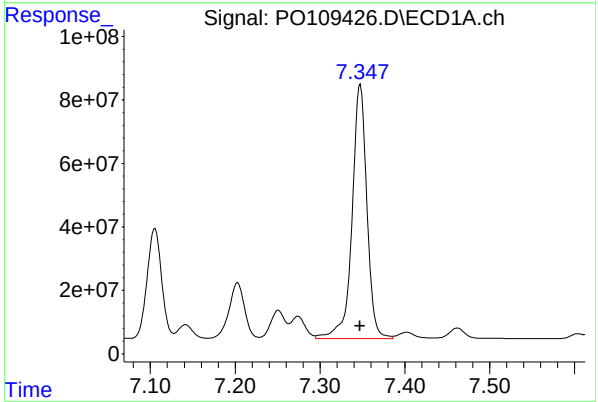
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 409227231
Conc: 960.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



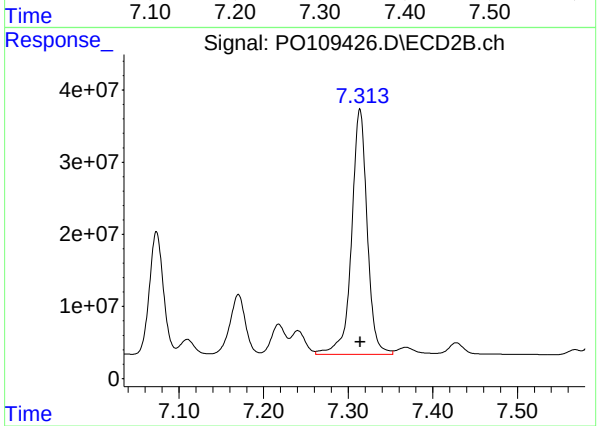
#34 AR-1260-4

R.T.: 7.073 min
Delta R.T.: 0.000 min
Response: 193987222
Conc: 959.29 ng/ml



#35 AR-1260-5

R.T.: 7.347 min
Delta R.T.: 0.000 min
Response: 975246933
Conc: 973.82 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 436097628
Conc: 982.68 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:04
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:01:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.697	3.694	703.7E6	393.5E6	74.797	75.361
2) SA	Decachlor...	8.756	8.707	619.0E6	227.0E6	72.459	71.935
	Target Compounds						
3) L1	AR-1016-1	4.792	4.777	222.4E6	111.3E6	737.053	732.224
4) L1	AR-1016-2	4.811	4.797	306.9E6	156.4E6	740.060	732.696
5) L1	AR-1016-3	4.868	4.972	213.6E6	86300545	737.941	736.273
6) L1	AR-1016-4	4.988	5.014	168.4E6	74038301	745.007	731.856
7) L1	AR-1016-5	5.246	5.227	183.1E6	95957712	725.929	723.422
31) L7	AR-1260-1	6.288	6.261	333.8E6	167.8E6	728.713	721.133
32) L7	AR-1260-2	6.477	6.448	405.4E6	194.5E6	737.182	723.592
33) L7	AR-1260-3	6.845	6.602	344.0E6	181.6E6	742.158	726.793
34) L7	AR-1260-4	7.106	7.073	312.8E6	147.7E6	734.167	730.335
35) L7	AR-1260-5	7.347	7.314	736.8E6	326.7E6	735.724	736.076

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

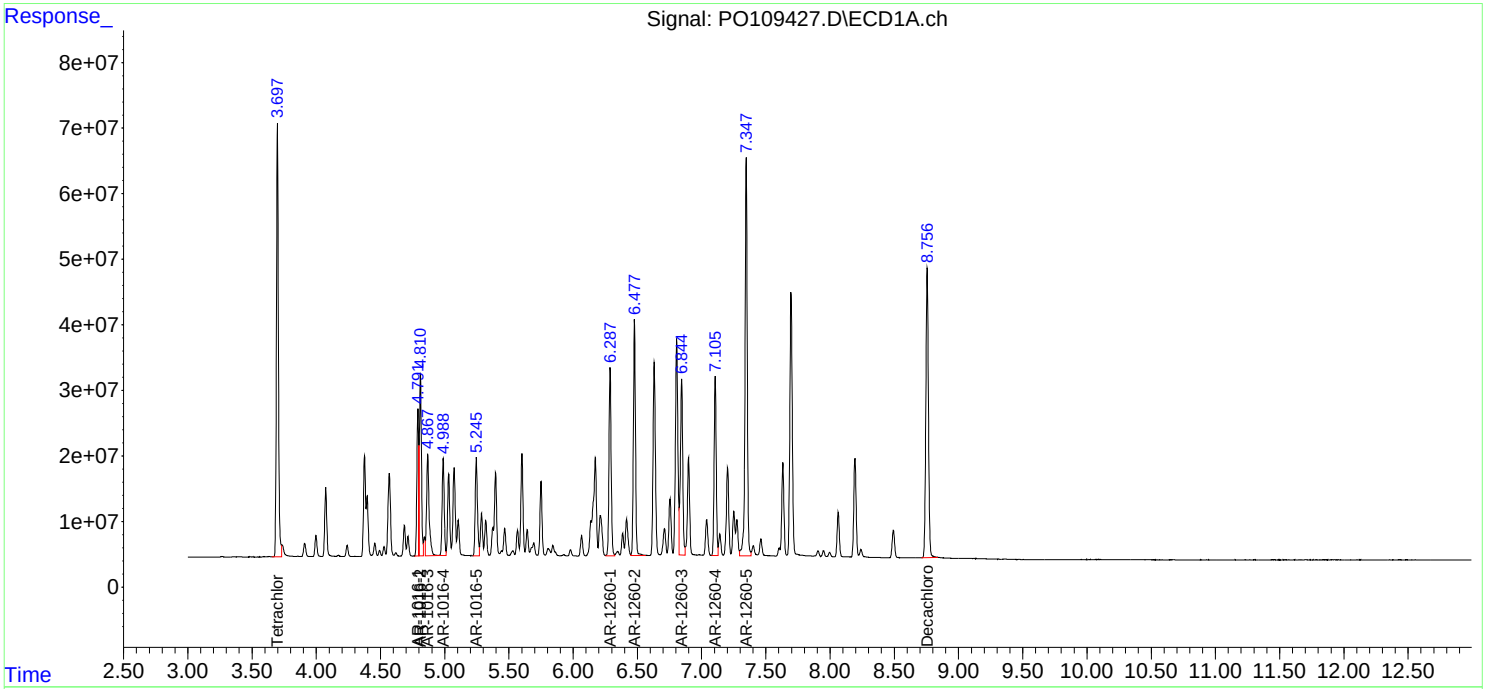
ICAL Form

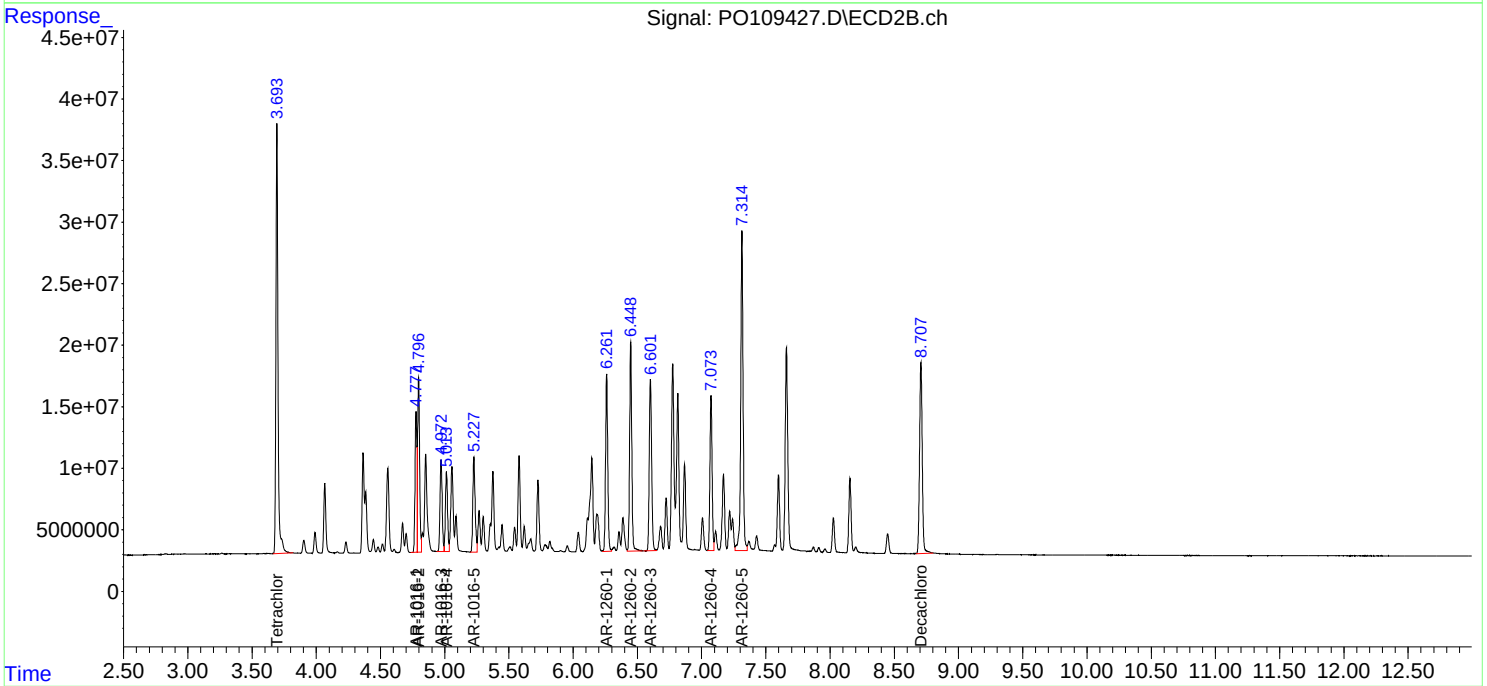
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:04
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

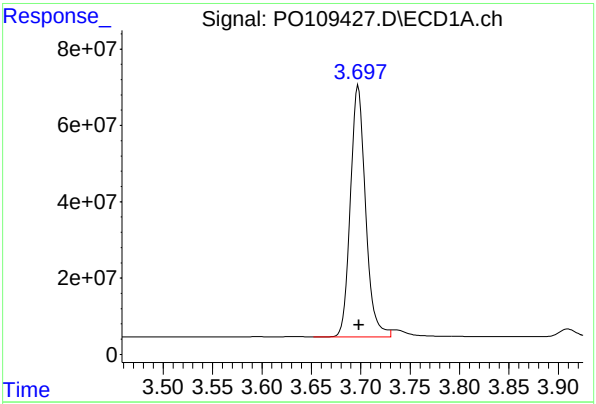
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:01:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



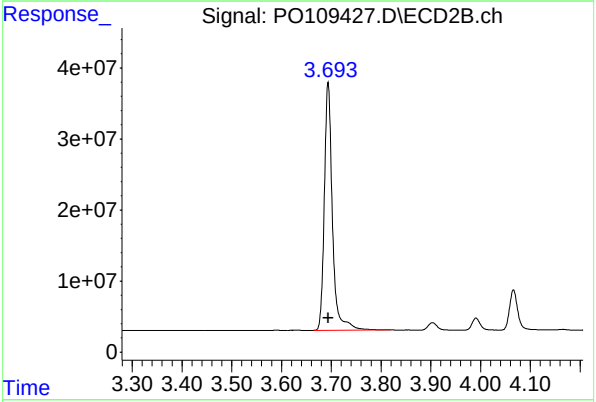




#1 Tetrachloro-m-xylene

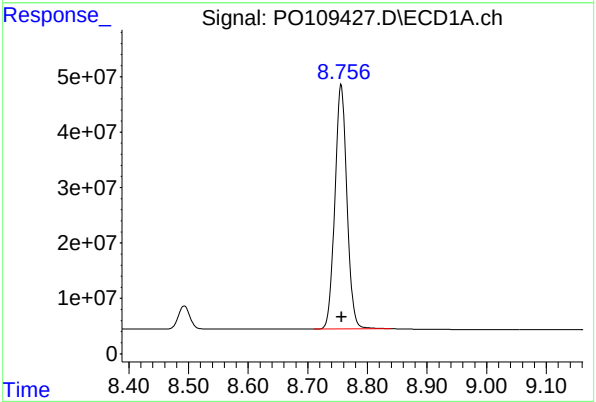
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 703683133
Conc: 74.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



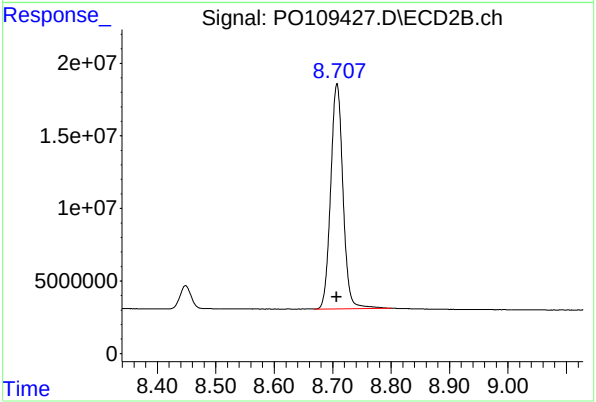
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 393480021
Conc: 75.36 ng/ml



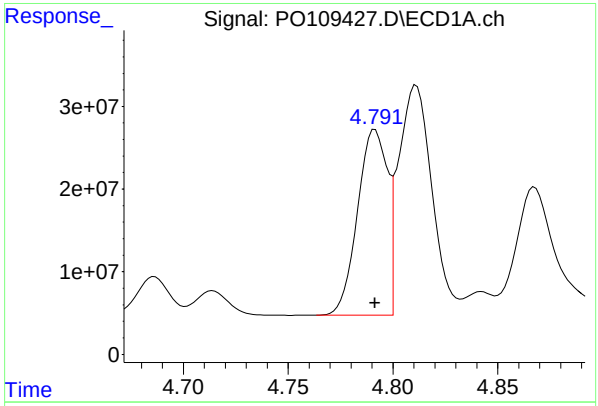
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 619000268
Conc: 72.46 ng/ml



#2 Decachlorobiphenyl

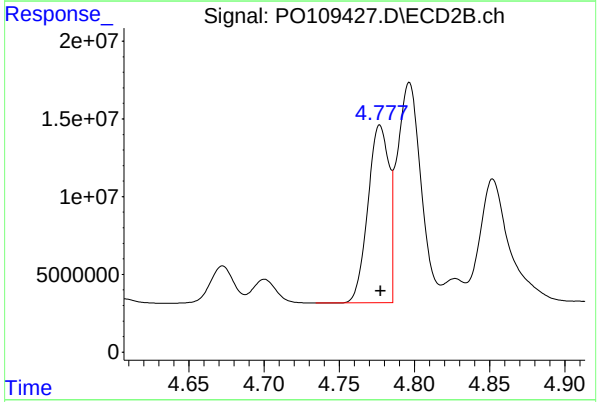
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 227027948
Conc: 71.93 ng/ml



#3 AR-1016-1

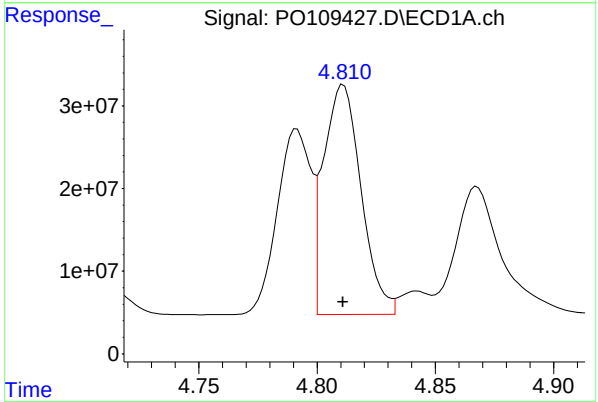
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 222353182
Conc: 737.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



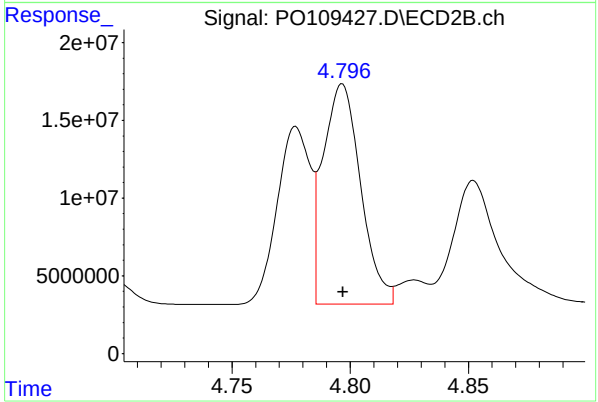
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 111321572
Conc: 732.22 ng/ml



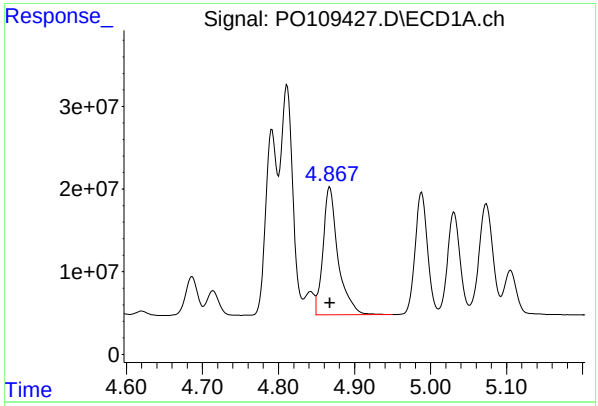
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 306862102
Conc: 740.06 ng/ml



#4 AR-1016-2

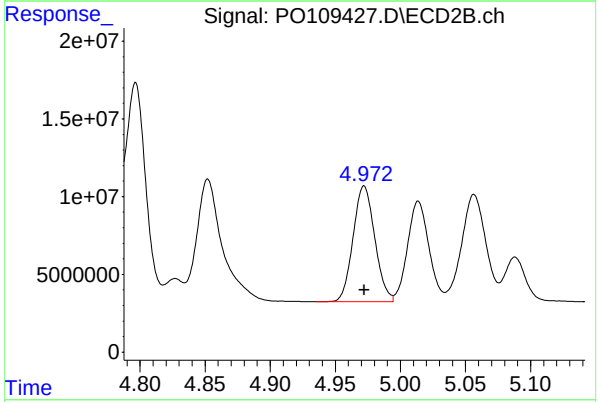
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 156381547
Conc: 732.70 ng/ml



#5 AR-1016-3

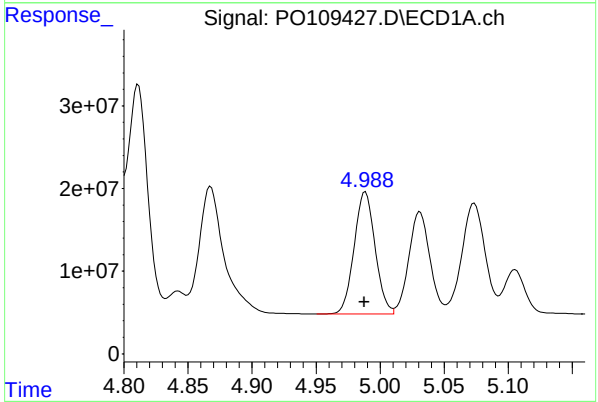
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 213562897
Conc: 737.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



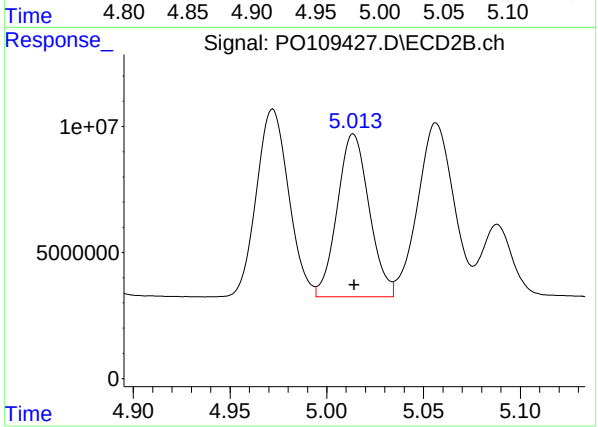
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 86300545
Conc: 736.27 ng/ml



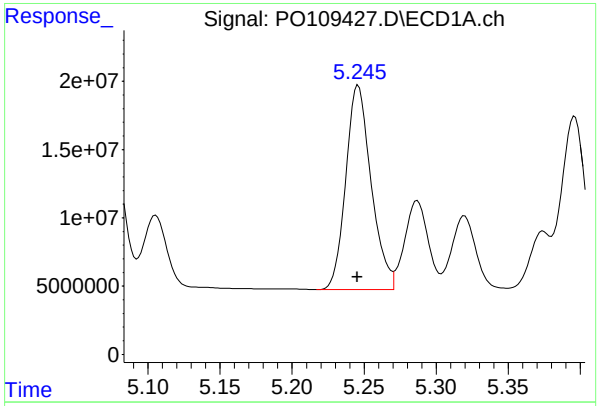
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 168356535
Conc: 745.01 ng/ml



#6 AR-1016-4

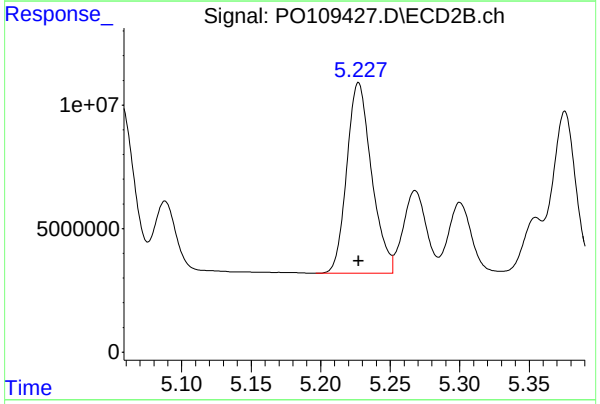
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 74038301
Conc: 731.86 ng/ml



#7 AR-1016-5

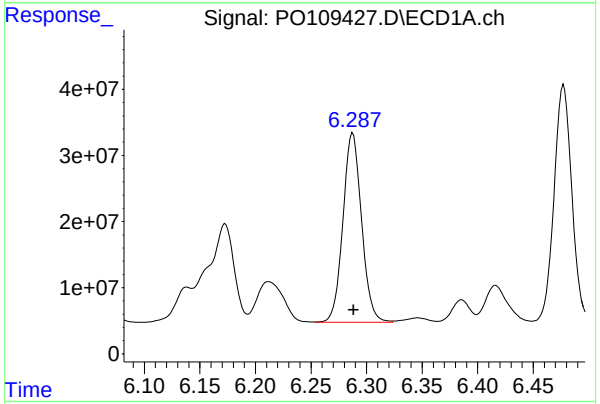
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 183129369
Conc: 725.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



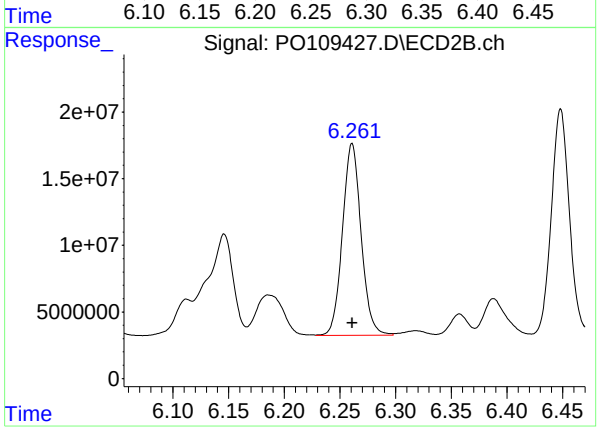
#7 AR-1016-5

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 95957712
Conc: 723.42 ng/ml



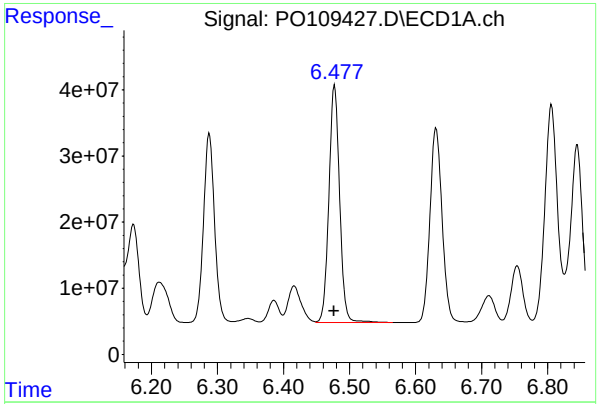
#31 AR-1260-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 333772962
Conc: 728.71 ng/ml



#31 AR-1260-1

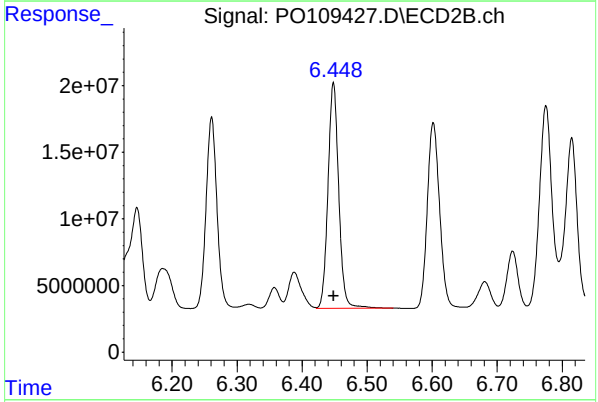
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 167836510
Conc: 721.13 ng/ml



#32 AR-1260-2

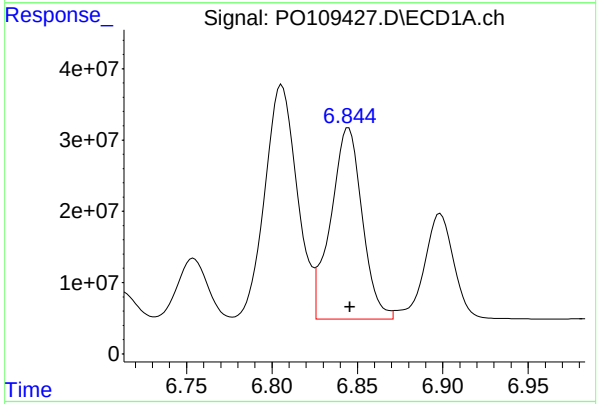
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 405448607
Conc: 737.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



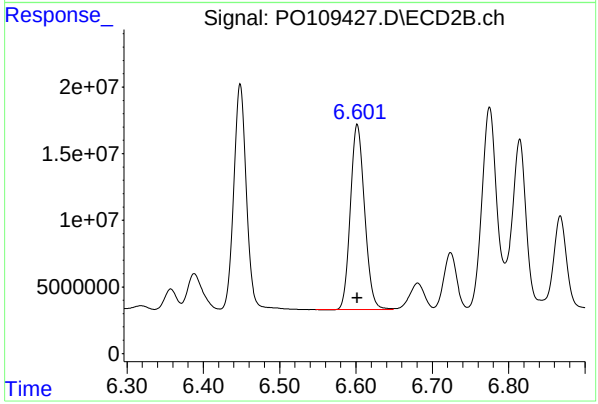
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 194524794
Conc: 723.59 ng/ml



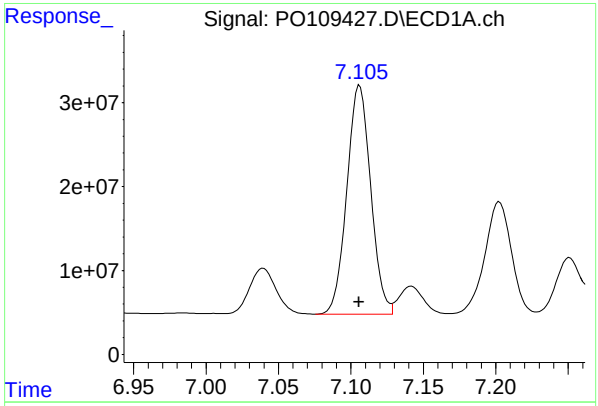
#33 AR-1260-3

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 344014366
Conc: 742.16 ng/ml



#33 AR-1260-3

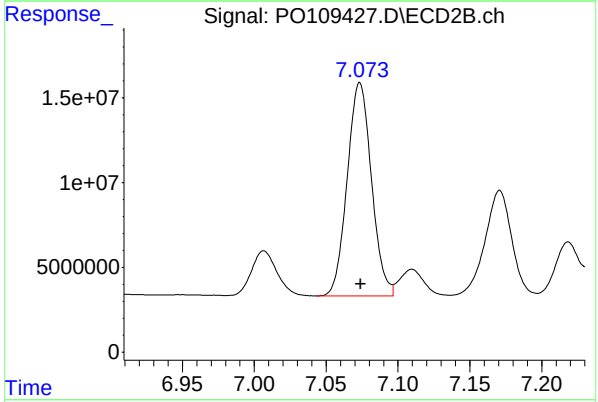
R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 181624101
Conc: 726.79 ng/ml



#34 AR-1260-4

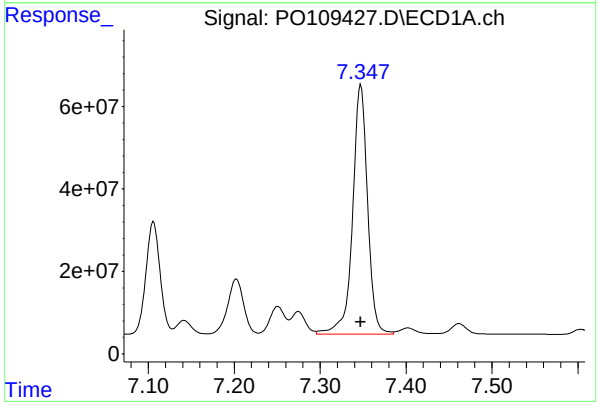
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 312807802
Conc: 734.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



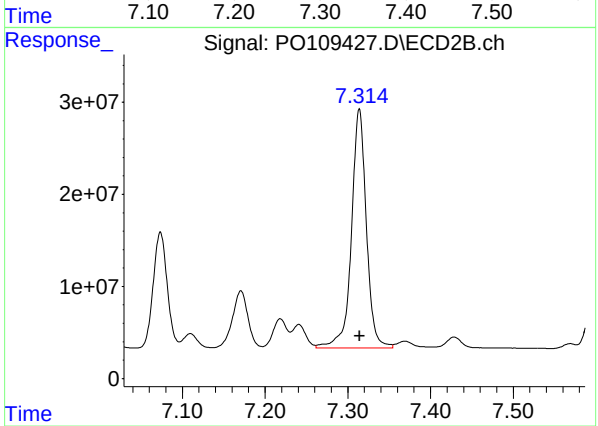
#34 AR-1260-4

R.T.: 7.073 min
Delta R.T.: 0.000 min
Response: 147687397
Conc: 730.34 ng/ml



#35 AR-1260-5

R.T.: 7.347 min
Delta R.T.: 0.000 min
Response: 736802179
Conc: 735.72 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 326659673
Conc: 736.08 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:23
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:01:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.698	3.694	470.4E6	261.1E6	50.000	50.000
2) SA	Decachlor...	8.757	8.707	427.1E6	157.8E6	50.000	50.000
	Target Compounds						
3) L1	AR-1016-1	4.791	4.778	150.8E6	76016048	500.000	500.000
4) L1	AR-1016-2	4.811	4.797	207.3E6	106.7E6	500.000	500.000
5) L1	AR-1016-3	4.867	4.972	144.7E6	58606311	500.000	500.000
6) L1	AR-1016-4	4.988	5.014	113.0E6	50582551	500.000	500.000
7) L1	AR-1016-5	5.245	5.227	126.1E6	66322049	500.000	500.000
31) L7	AR-1260-1	6.288	6.261	229.0E6	116.4E6	500.000	500.000
32) L7	AR-1260-2	6.477	6.448	275.0E6	134.4E6	500.000	500.000
33) L7	AR-1260-3	6.846	6.602	231.8E6	124.9E6	500.000	500.000
34) L7	AR-1260-4	7.105	7.074	213.0E6	101.1E6	500.000	500.000
35) L7	AR-1260-5	7.347	7.314	500.7E6	221.9E6	500.000	500.000

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

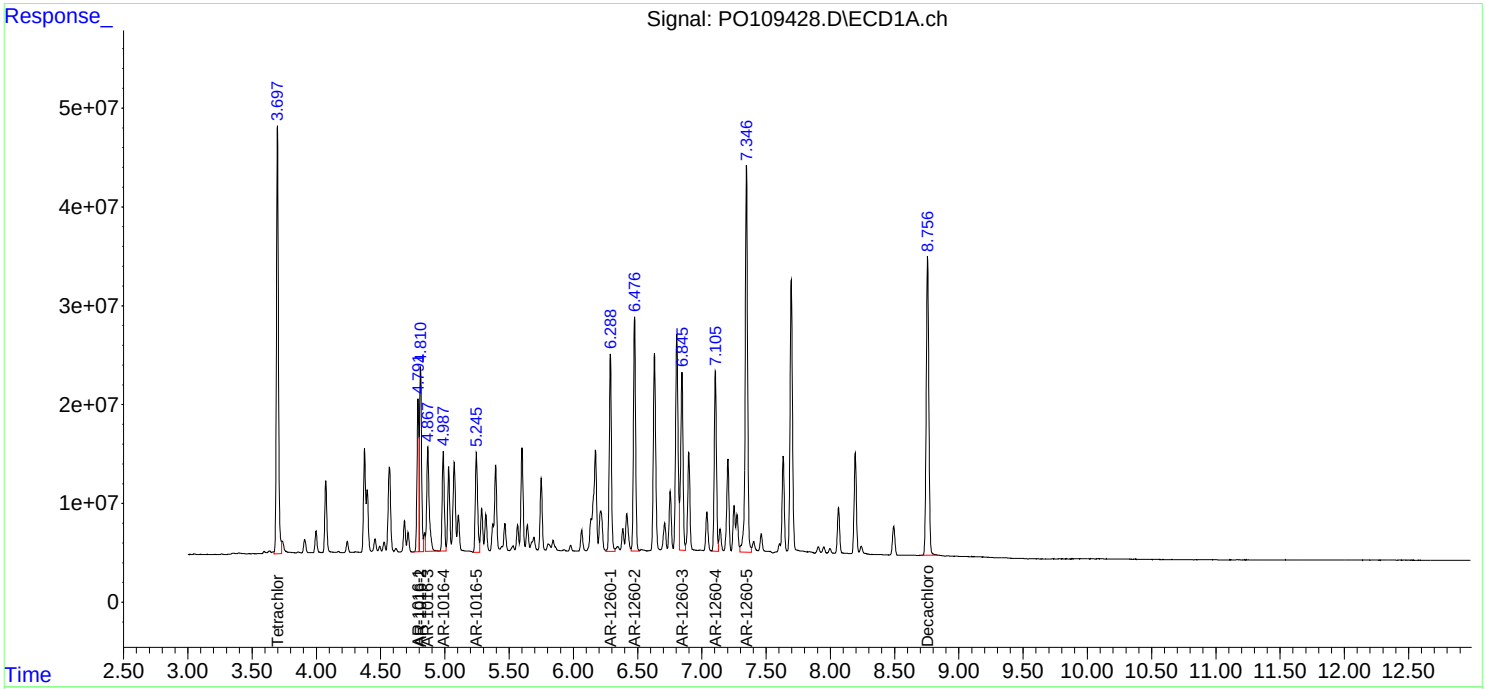
ICAL Form

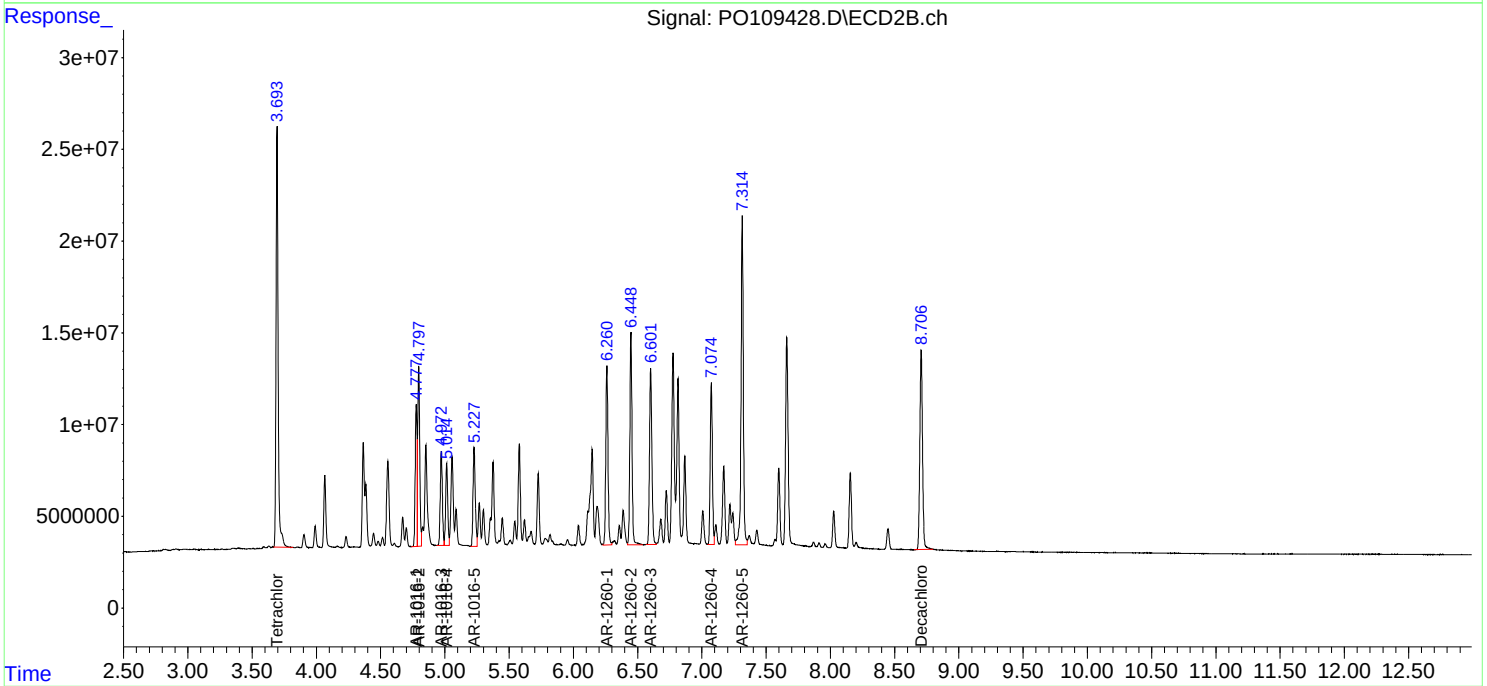
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:23
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

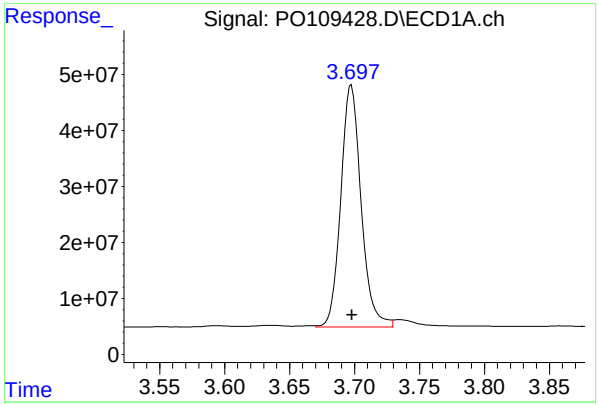
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:01:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



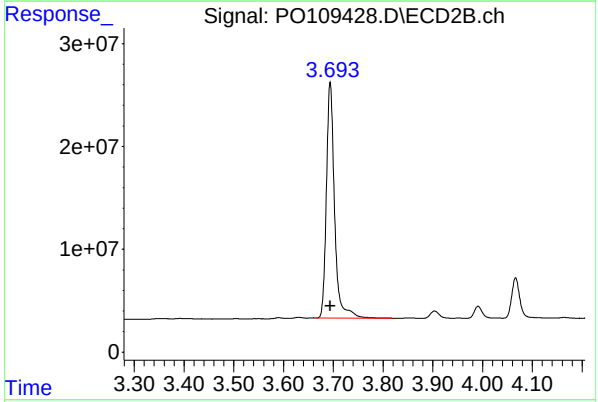




#1 Tetrachloro-m-xylene

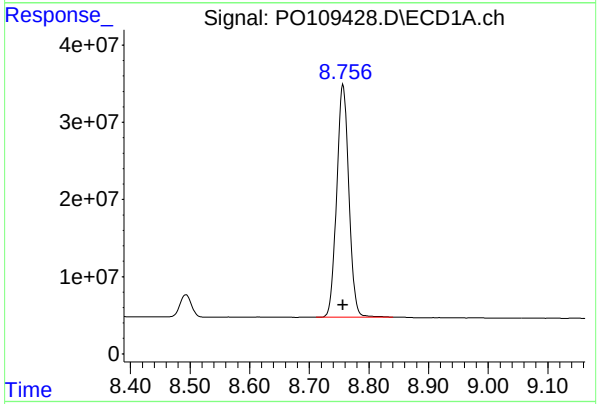
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 470398249
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



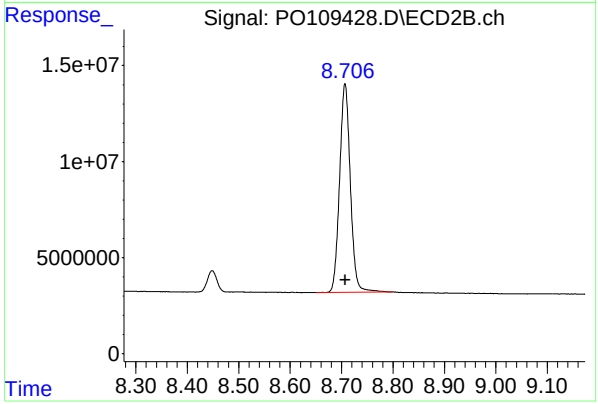
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 261062120
Conc: 50.00 ng/ml



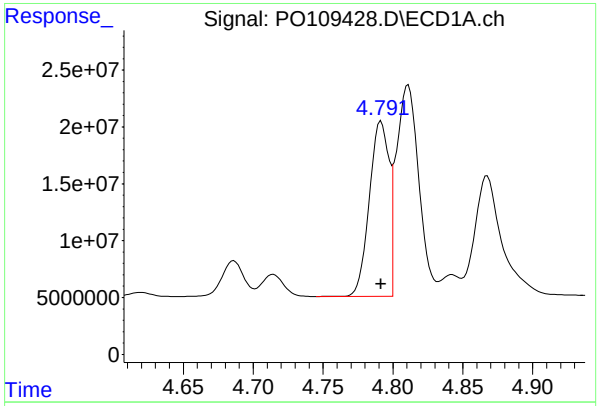
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 427135822
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

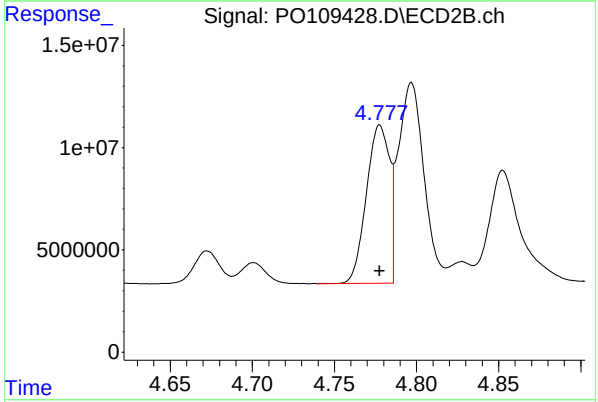
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 157800973
Conc: 50.00 ng/ml



#3 AR-1016-1

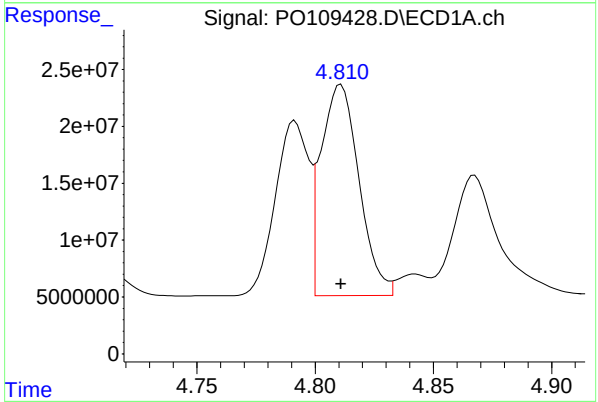
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 150839440
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



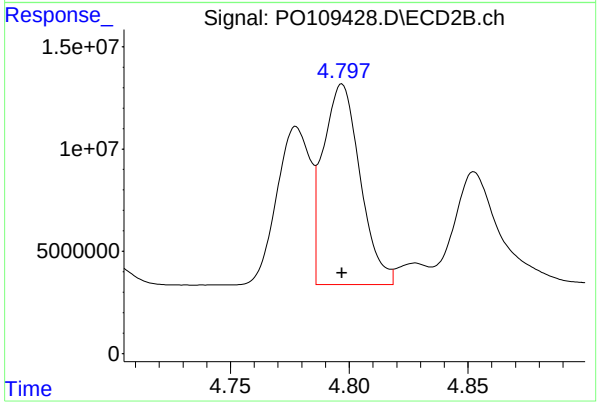
#3 AR-1016-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 76016048
Conc: 500.00 ng/ml



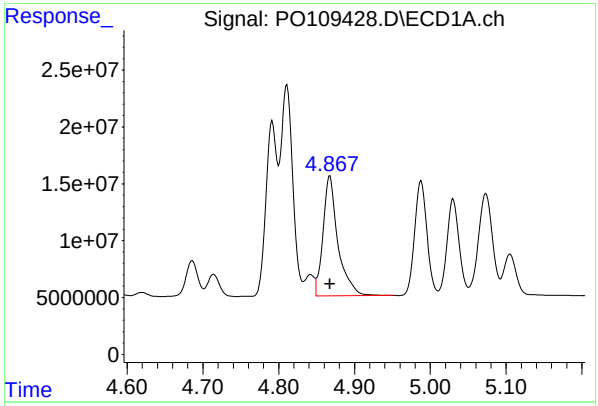
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 207322557
Conc: 500.00 ng/ml



#4 AR-1016-2

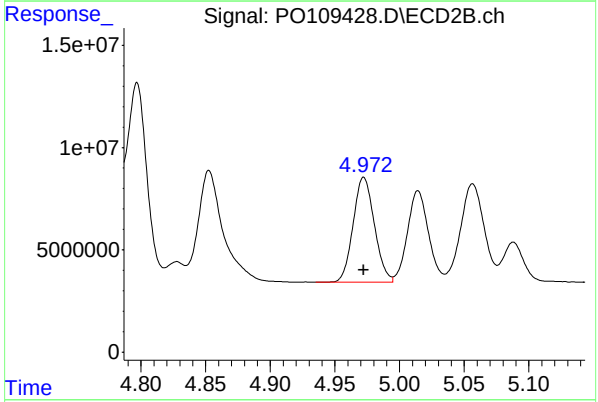
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 106716497
Conc: 500.00 ng/ml



#5 AR-1016-3

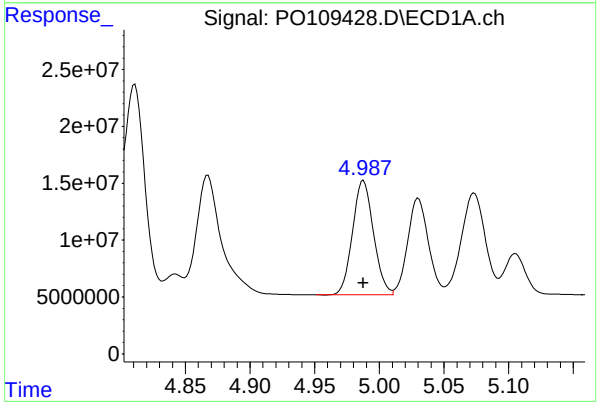
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 144701899
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



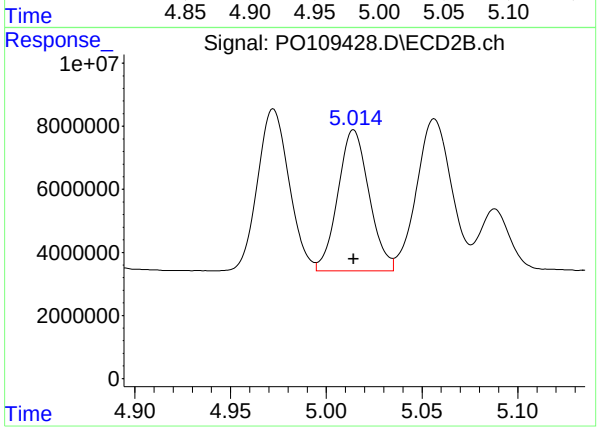
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 58606311
Conc: 500.00 ng/ml



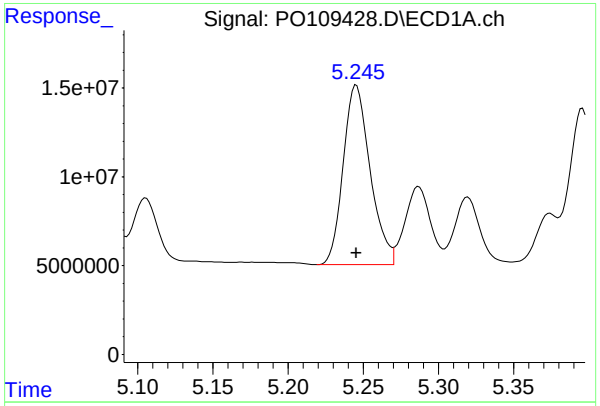
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 112989872
Conc: 500.00 ng/ml



#6 AR-1016-4

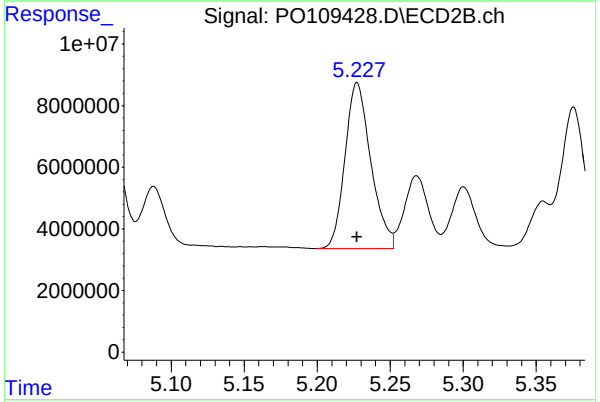
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 50582551
Conc: 500.00 ng/ml



#7 AR-1016-5

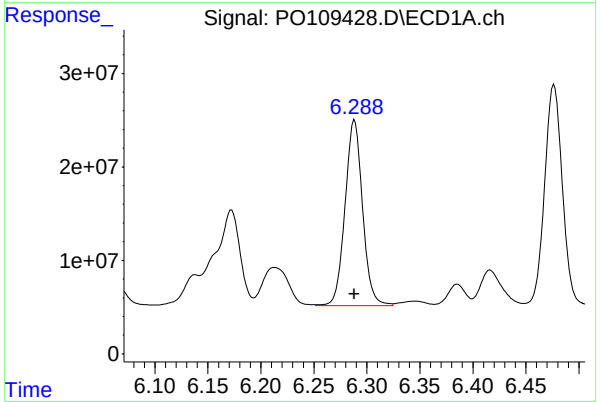
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 126134524
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



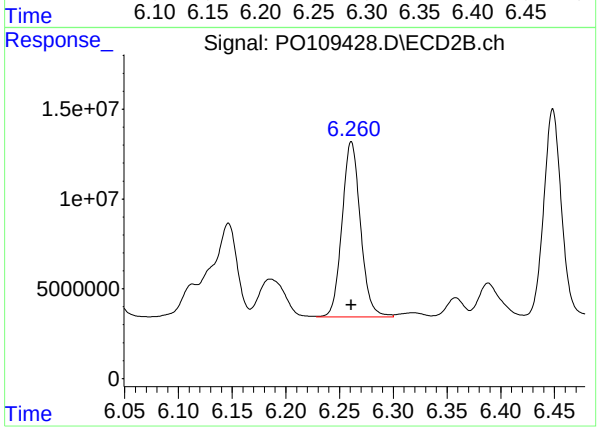
#7 AR-1016-5

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 66322049
Conc: 500.00 ng/ml



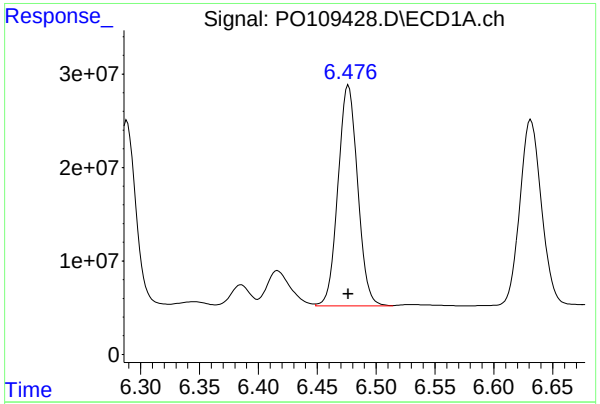
#31 AR-1260-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 229015430
Conc: 500.00 ng/ml



#31 AR-1260-1

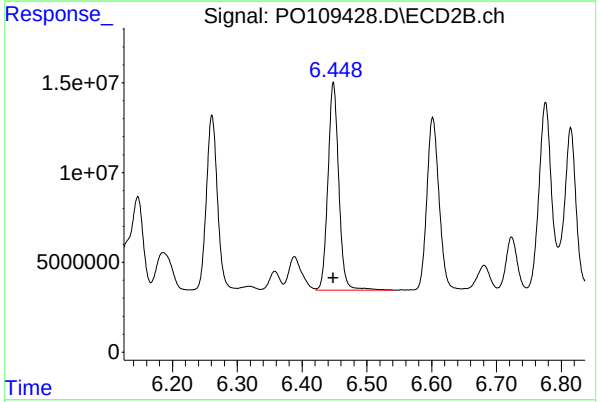
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 116369952
Conc: 500.00 ng/ml



#32 AR-1260-2

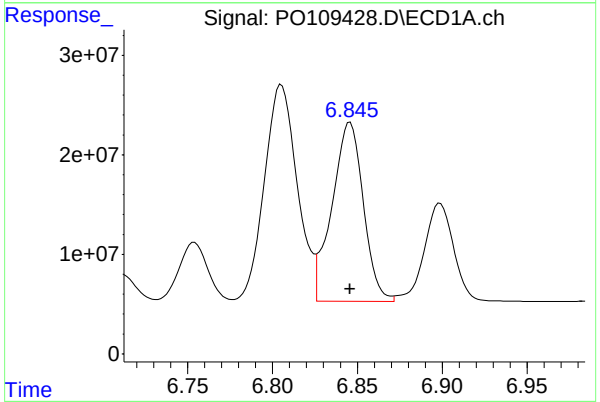
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 274998884
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



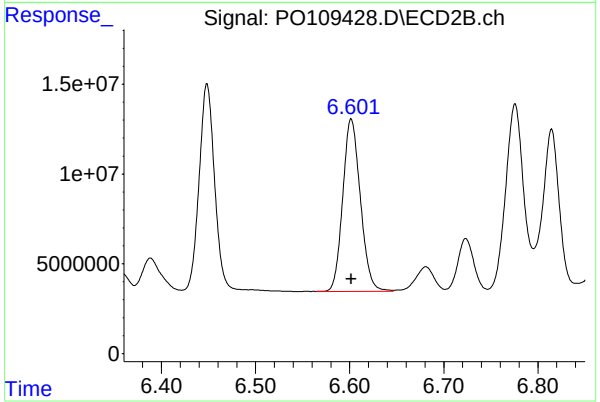
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 134416019
Conc: 500.00 ng/ml



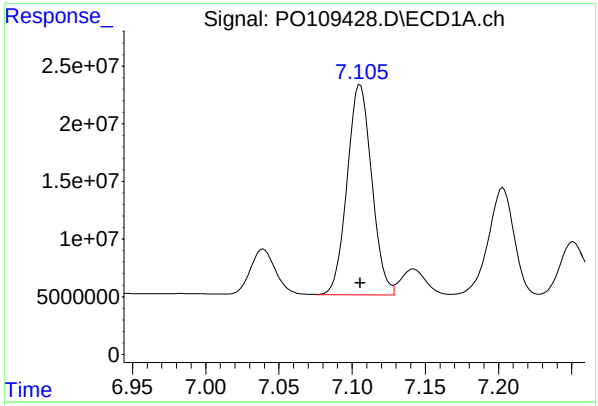
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 231766193
Conc: 500.00 ng/ml



#33 AR-1260-3

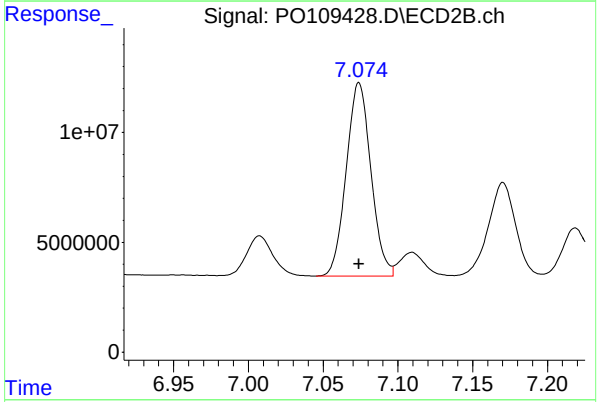
R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 124948979
Conc: 500.00 ng/ml



#34 AR-1260-4

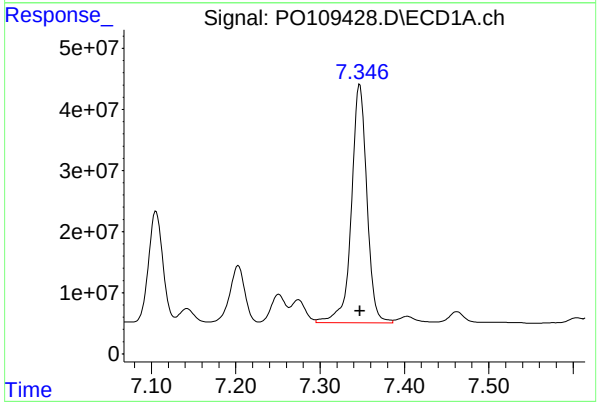
R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 213035870
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



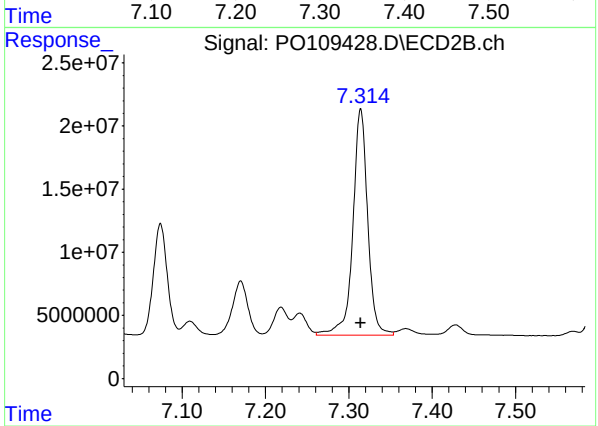
#34 AR-1260-4

R.T.: 7.074 min
Delta R.T.: 0.000 min
Response: 101109312
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.347 min
Delta R.T.: 0.000 min
Response: 500732923
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 221892556
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:41
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.697	3.694	246.0E6	137.0E6	26.146	26.231
2) SA	Decachlor...	8.756	8.706	226.7E6	84628210	26.540	26.815
	Target Compounds						
3) L1	AR-1016-1	4.792	4.777	82518483	41871215	273.531	275.410
4) L1	AR-1016-2	4.811	4.797	111.7E6	57379891	269.270	268.843
5) L1	AR-1016-3	4.867	4.972	80308042	32144937	277.495	274.245
6) L1	AR-1016-4	4.988	5.014	62339803	28230969	275.865	279.058
7) L1	AR-1016-5	5.245	5.227	70018354	36586426	277.554	275.824
31) L7	AR-1260-1	6.288	6.261	124.2E6	62911160	271.251	270.307
32) L7	AR-1260-2	6.477	6.448	149.2E6	72803856	271.304	270.815
33) L7	AR-1260-3	6.845	6.602	126.3E6	67569863	272.383	270.390
34) L7	AR-1260-4	7.105	7.073	114.5E6	54553512	268.783	269.775
35) L7	AR-1260-5	7.347	7.313	258.7E6	116.1E6	258.356	261.606

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

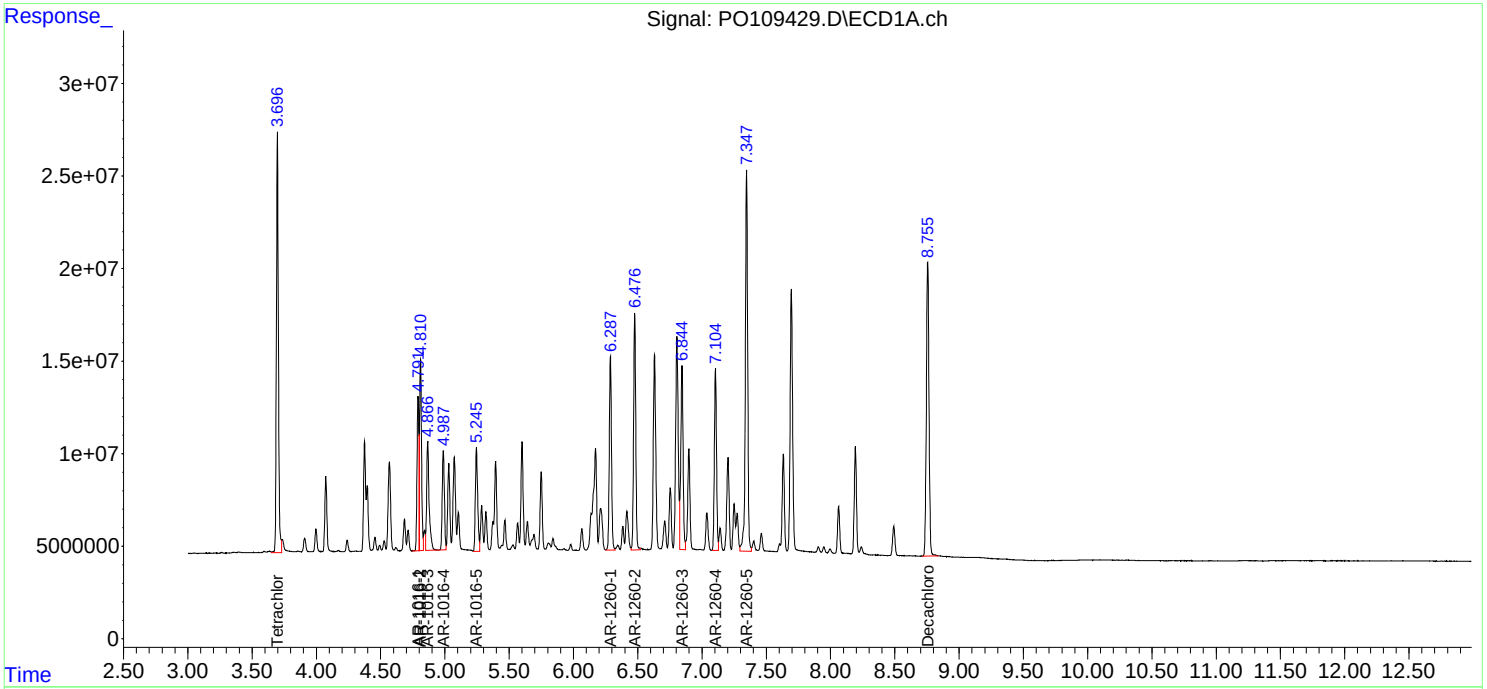
ICAL Form

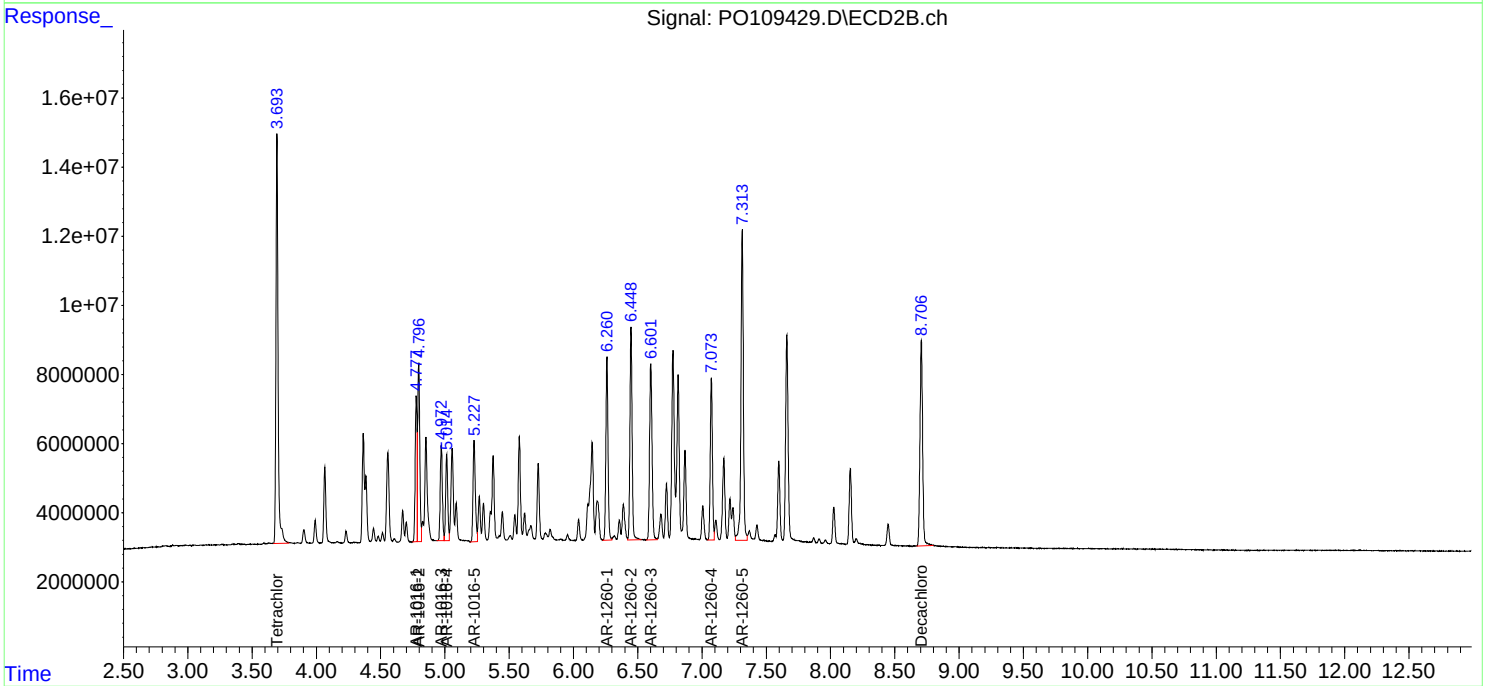
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:41
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

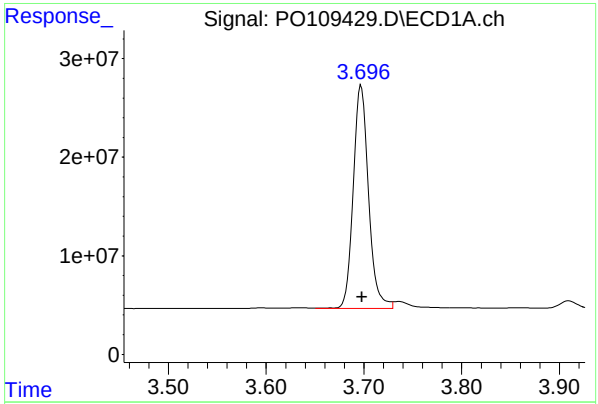
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



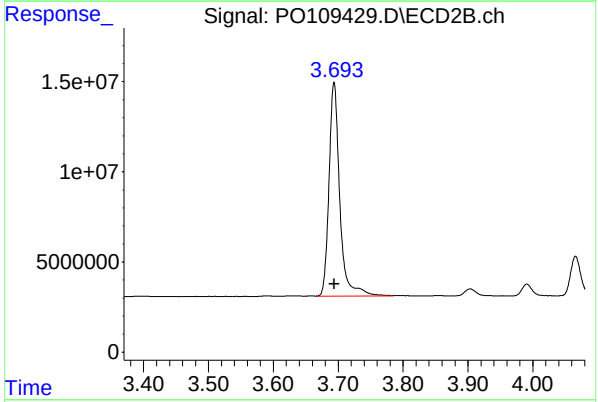




#1 Tetrachloro-m-xylene

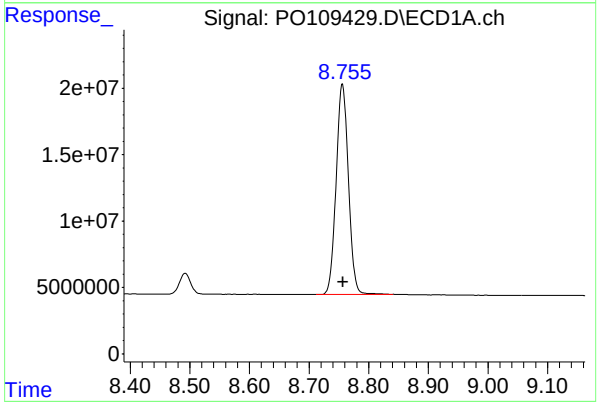
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 245982583
Conc: 26.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



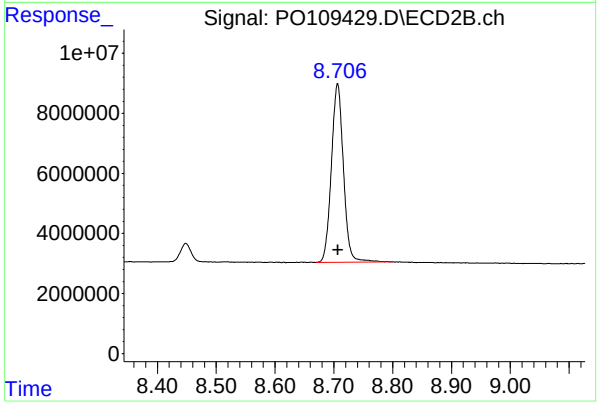
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 136959671
Conc: 26.23 ng/ml



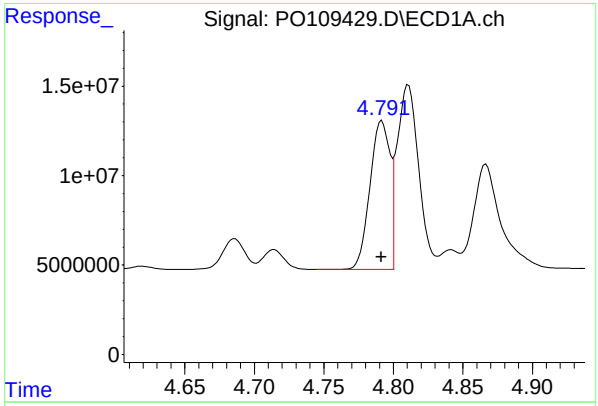
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 226721669
Conc: 26.54 ng/ml



#2 Decachlorobiphenyl

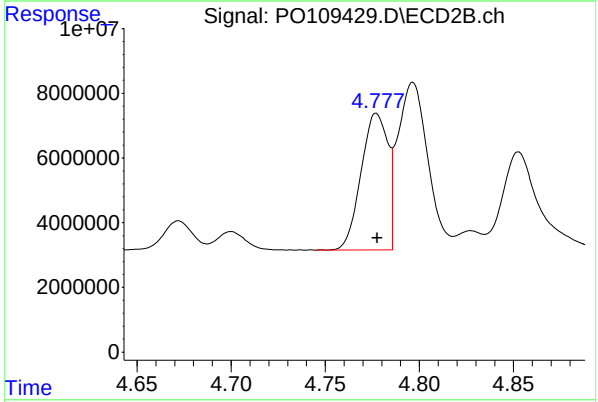
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 84628210
Conc: 26.81 ng/ml



#3 AR-1016-1

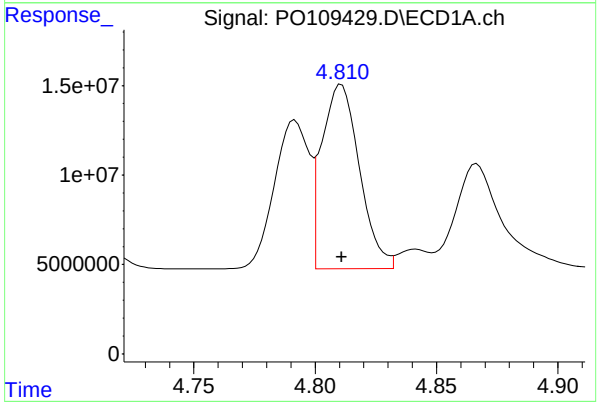
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 82518483
Conc: 273.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



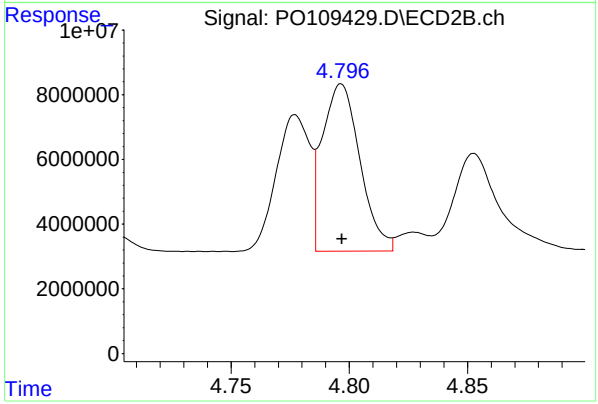
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 41871215
Conc: 275.41 ng/ml



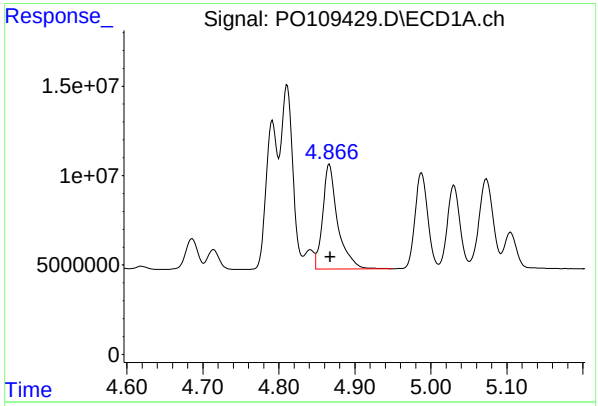
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 111651478
Conc: 269.27 ng/ml



#4 AR-1016-2

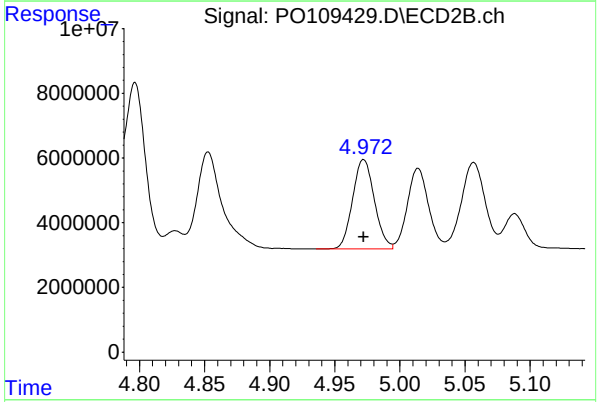
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 57379891
Conc: 268.84 ng/ml



#5 AR-1016-3

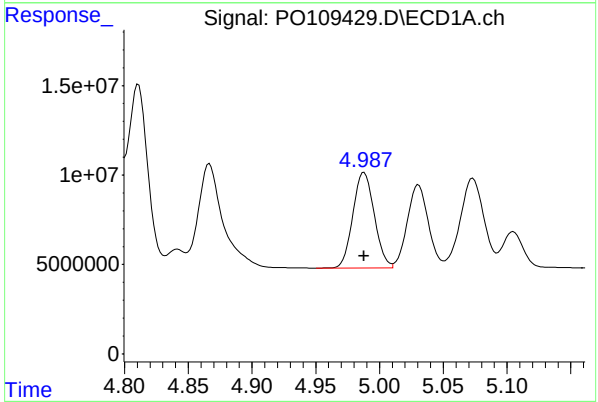
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 80308042
Conc: 277.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



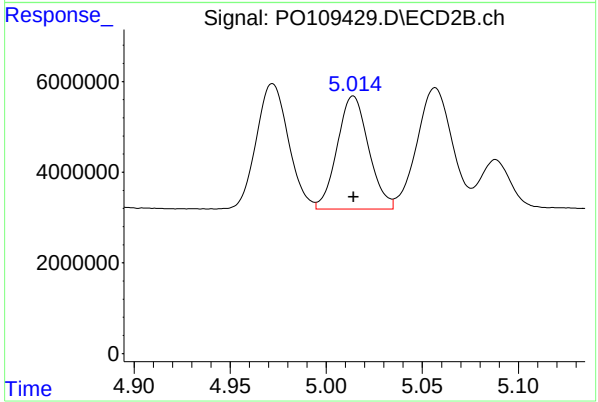
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 32144937
Conc: 274.24 ng/ml



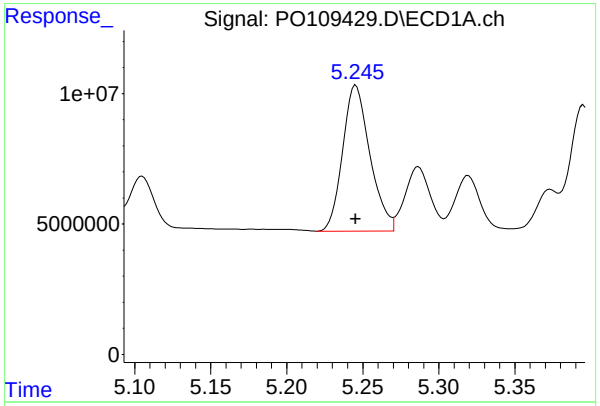
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 62339803
Conc: 275.86 ng/ml



#6 AR-1016-4

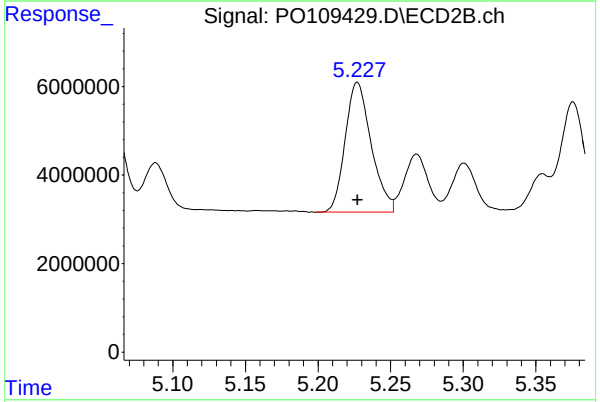
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 28230969
Conc: 279.06 ng/ml



#7 AR-1016-5

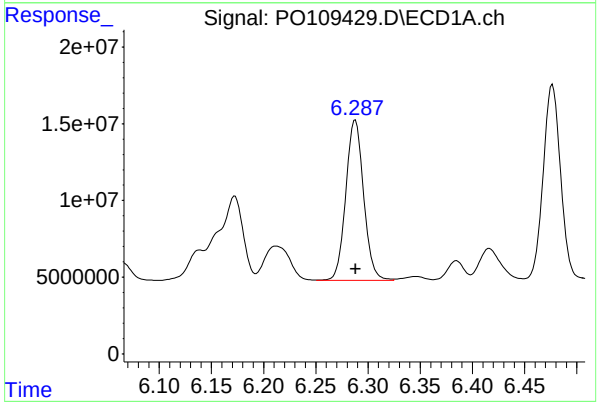
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 70018354
Conc: 277.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



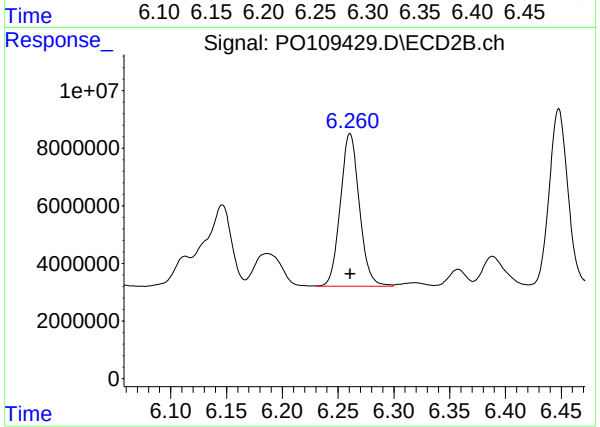
#7 AR-1016-5

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 36586426
Conc: 275.82 ng/ml



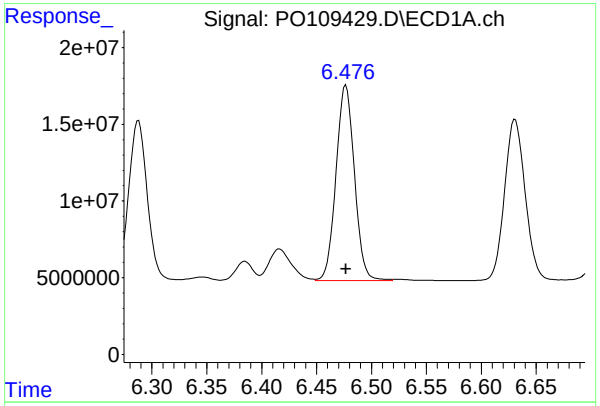
#31 AR-1260-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 124241423
Conc: 271.25 ng/ml



#31 AR-1260-1

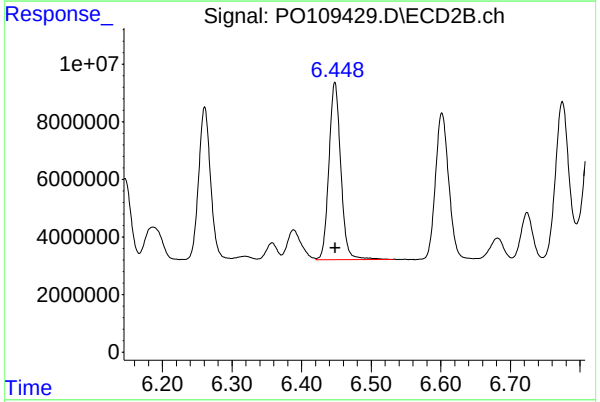
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 62911160
Conc: 270.31 ng/ml



#32 AR-1260-2

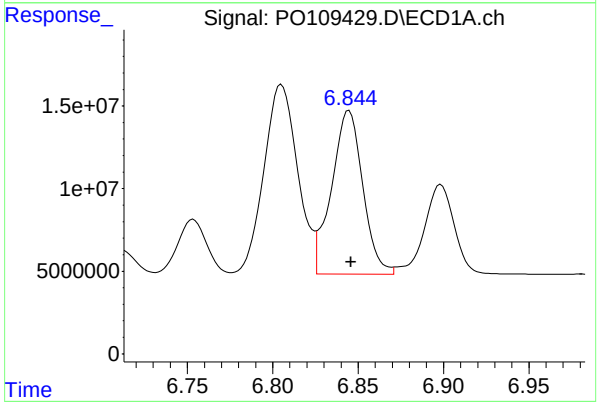
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 149216449
Conc: 271.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



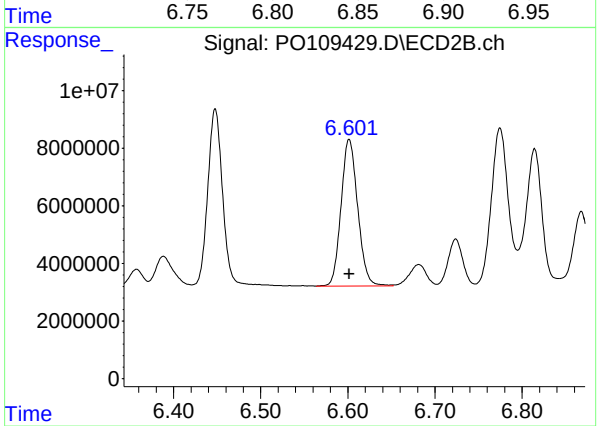
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 72803856
Conc: 270.82 ng/ml



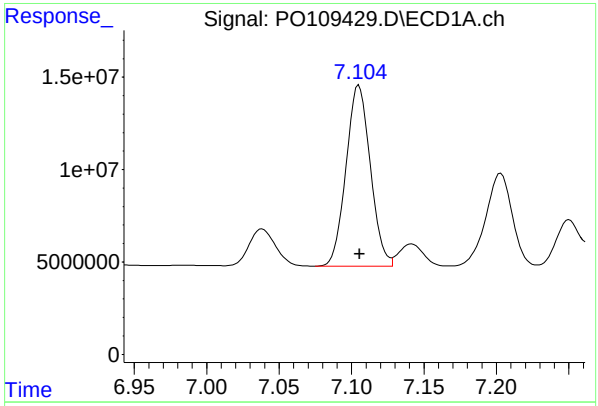
#33 AR-1260-3

R.T.: 6.845 min
Delta R.T.: -0.001 min
Response: 126258344
Conc: 272.38 ng/ml



#33 AR-1260-3

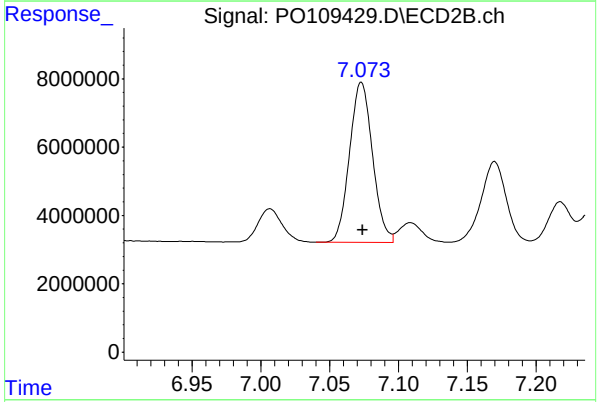
R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 67569863
Conc: 270.39 ng/ml



#34 AR-1260-4

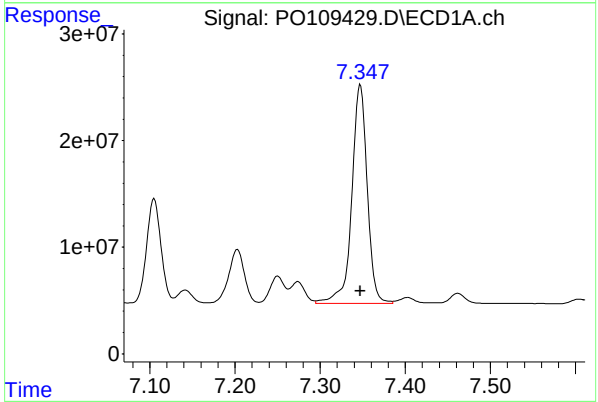
R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 114520800
Conc: 268.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



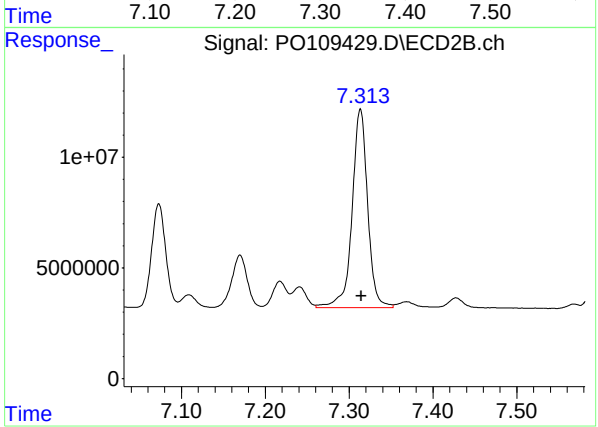
#34 AR-1260-4

R.T.: 7.073 min
Delta R.T.: 0.000 min
Response: 54553512
Conc: 269.77 ng/ml



#35 AR-1260-5

R.T.: 7.347 min
Delta R.T.: 0.000 min
Response: 258734974
Conc: 258.36 ng/ml



#35 AR-1260-5

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 116096721
Conc: 261.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:59
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:02:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.697	3.693	45508763	25193742	4.837	4.825
2) SA	Decachlor...	8.755	8.705	45000005	16907966	5.268	5.357
	Target Compounds						
3) L1	AR-1016-1	4.792	4.777	16363626	8424215	54.242	55.411
4) L1	AR-1016-2	4.812	4.796	21719389	11275252	52.381	52.828
5) L1	AR-1016-3	4.867	4.972	15399280	6204706	53.210	52.935
6) L1	AR-1016-4	4.988	5.014	12063318	5641806	53.382	55.768
7) L1	AR-1016-5	5.246	5.227	13985942	7495853	55.441	56.511
31) L7	AR-1260-1	6.287	6.261	24888578	12924776	54.338	55.533
32) L7	AR-1260-2	6.476	6.448	30375809	15043931	55.229	55.960
33) L7	AR-1260-3	6.844	6.601	25249901	13685351	54.473	54.764
34) L7	AR-1260-4	7.104	7.073	22377315	10981241	52.520	54.304
35) L7	AR-1260-5	7.346	7.313	48767614	22954954	48.696	51.725

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

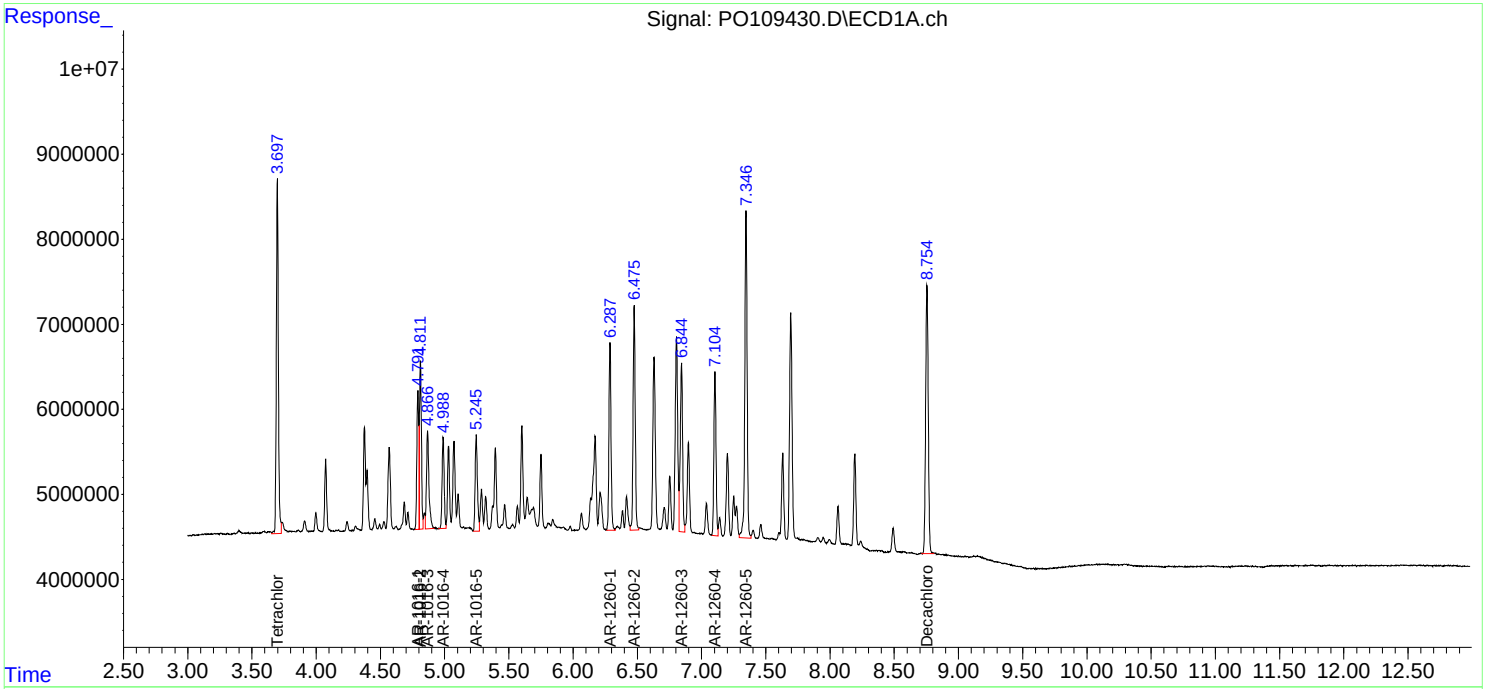
ICAL Form

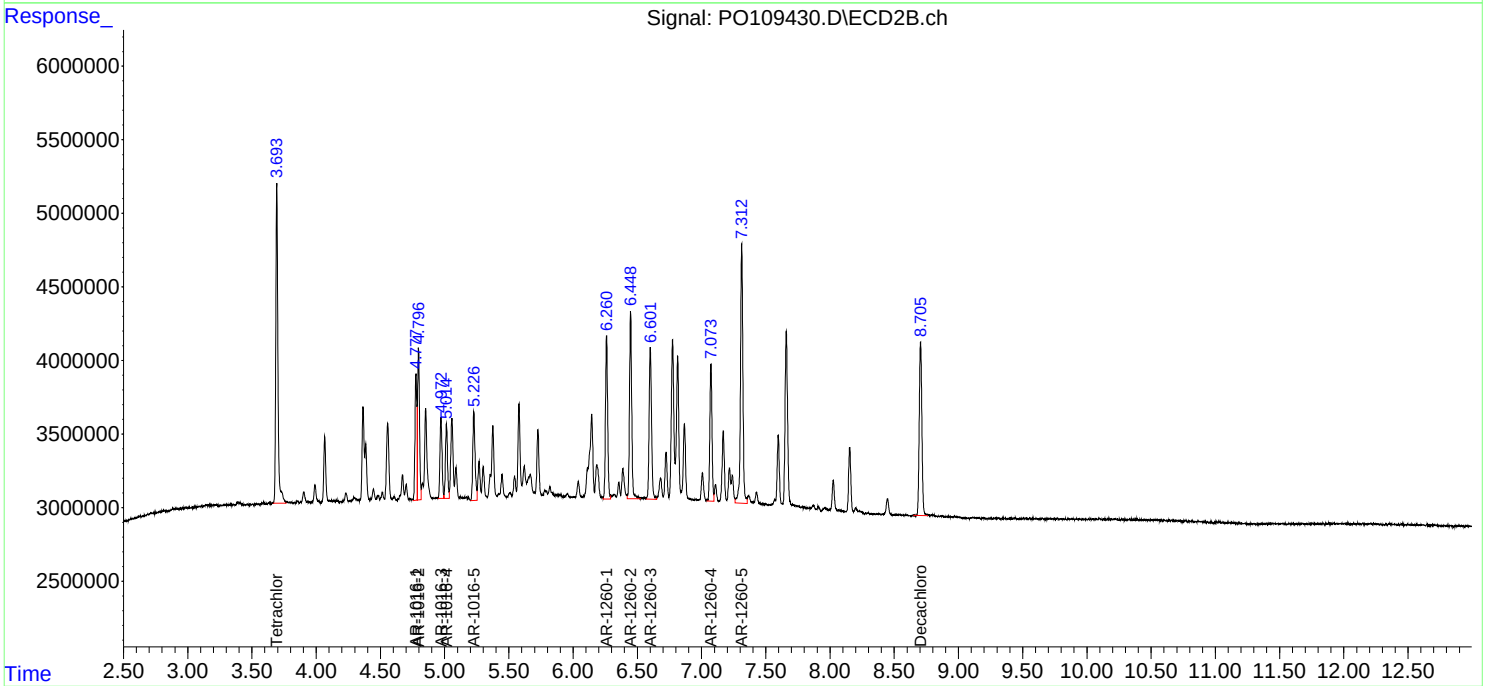
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:59
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

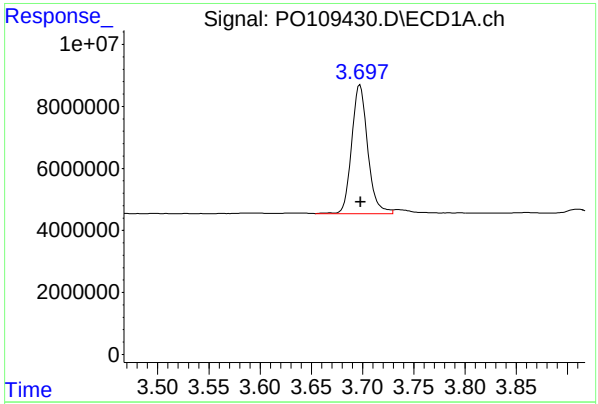
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:02:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



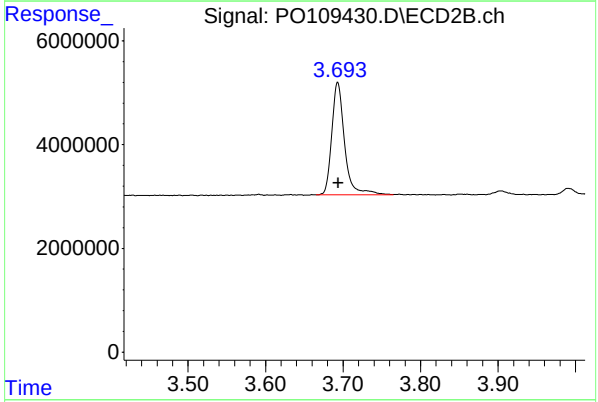




#1 Tetrachloro-m-xylene

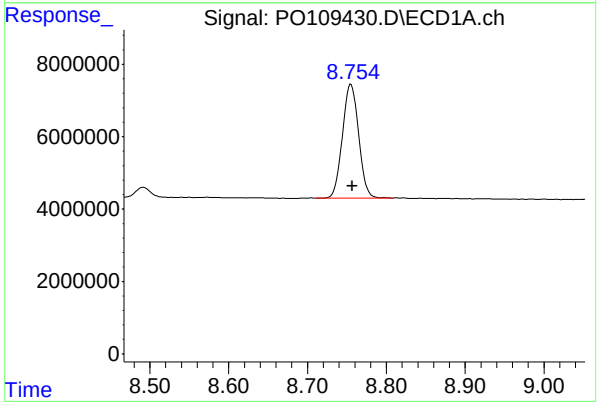
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 45508763
Conc: 4.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



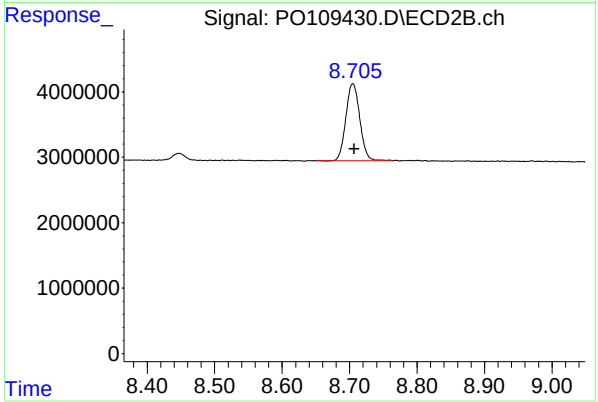
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 25193742
Conc: 4.83 ng/ml



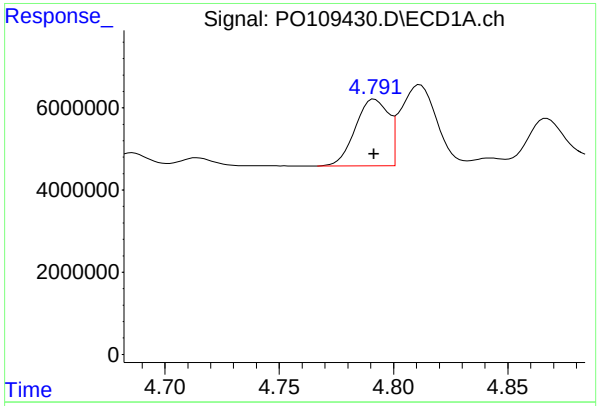
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: -0.002 min
Response: 45000005
Conc: 5.27 ng/ml



#2 Decachlorobiphenyl

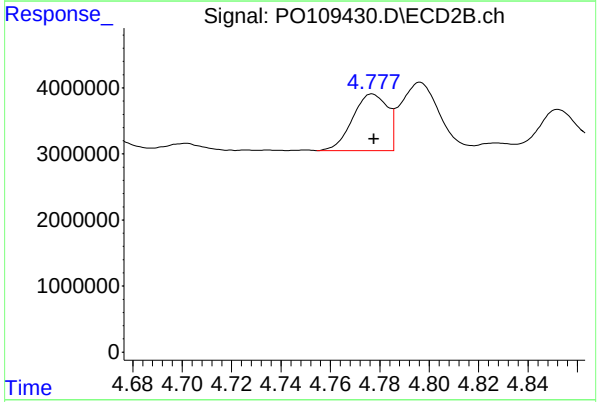
R.T.: 8.705 min
Delta R.T.: -0.002 min
Response: 16907966
Conc: 5.36 ng/ml



#3 AR-1016-1

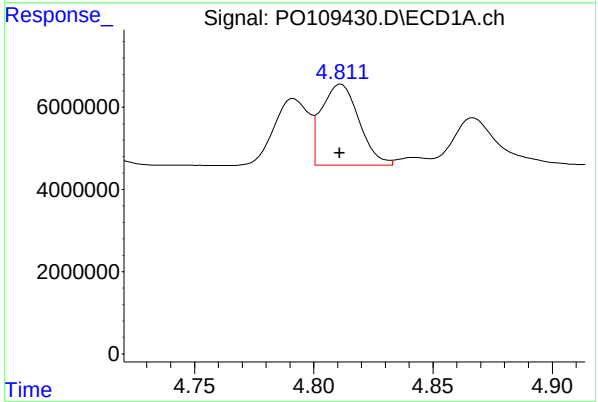
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 16363626
Conc: 54.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



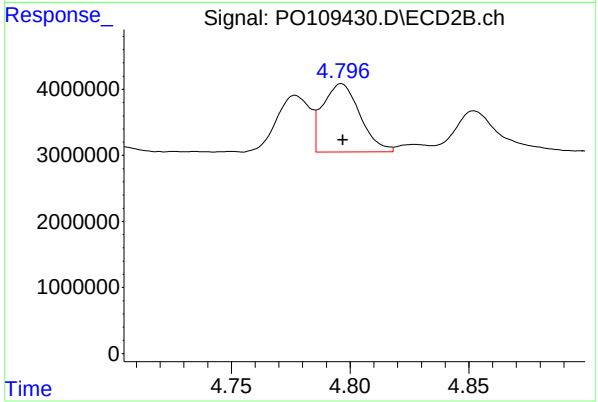
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 8424215
Conc: 55.41 ng/ml



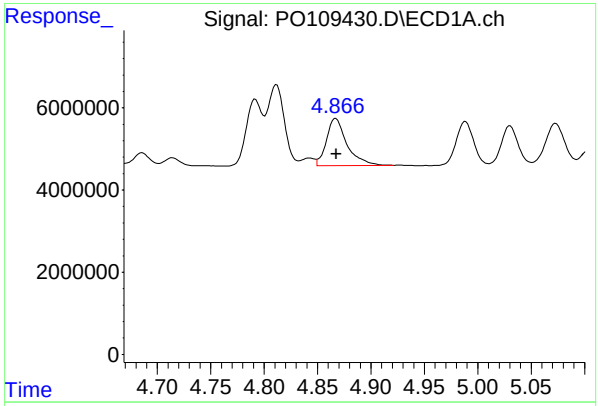
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 21719389
Conc: 52.38 ng/ml



#4 AR-1016-2

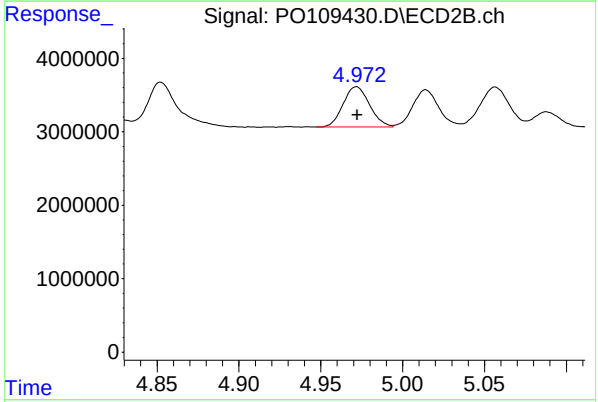
R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 11275252
Conc: 52.83 ng/ml



#5 AR-1016-3

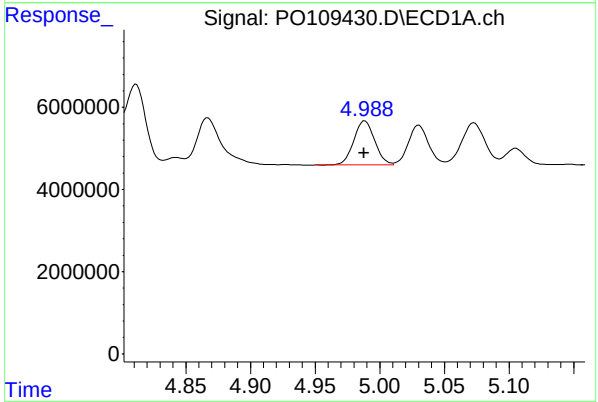
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 15399280
Conc: 53.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



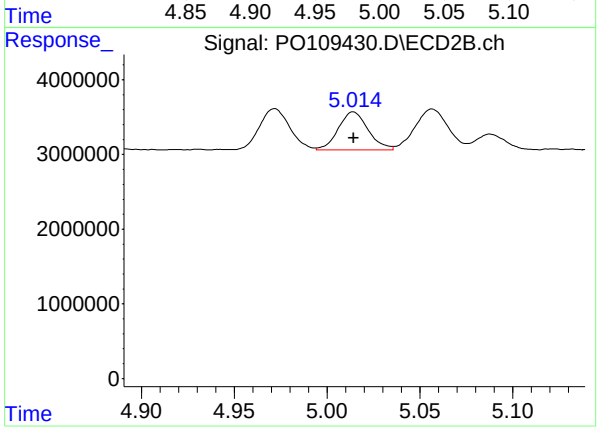
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 6204706
Conc: 52.94 ng/ml



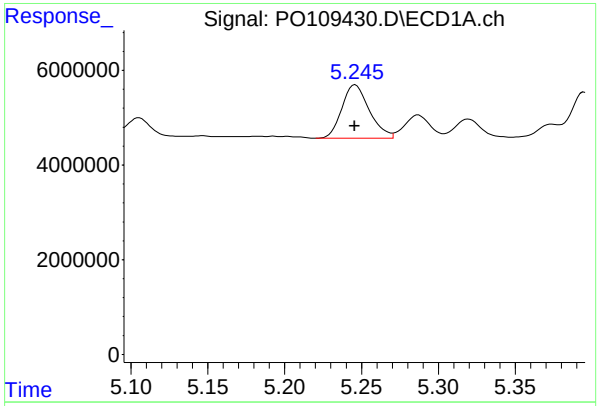
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 12063318
Conc: 53.38 ng/ml



#6 AR-1016-4

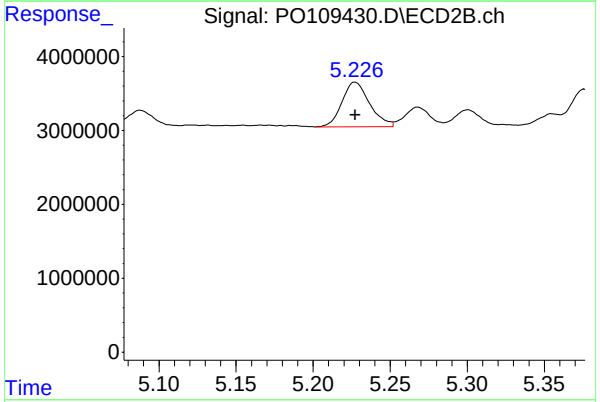
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 5641806
Conc: 55.77 ng/ml



#7 AR-1016-5

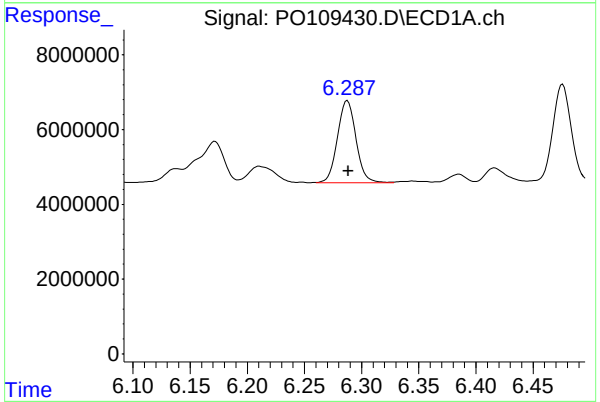
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 13985942
Conc: 55.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



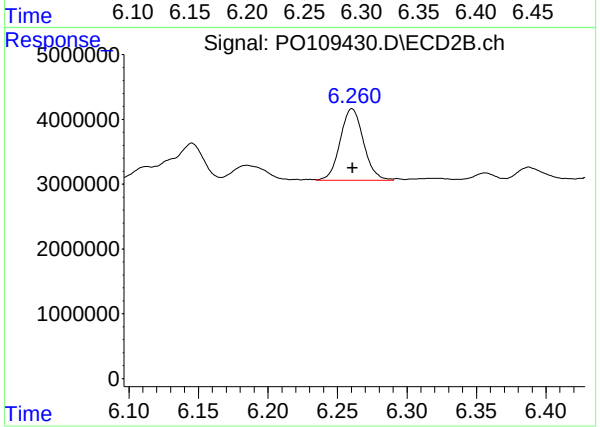
#7 AR-1016-5

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 7495853
Conc: 56.51 ng/ml



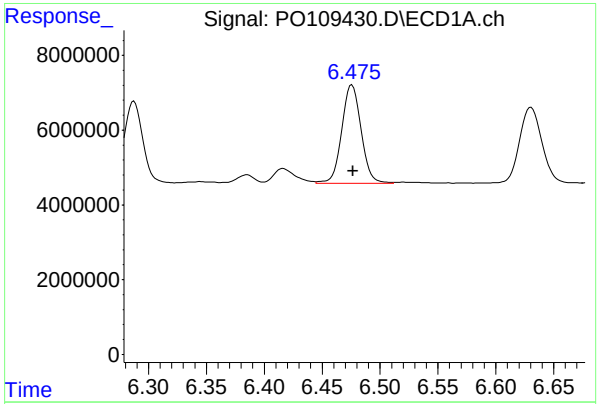
#31 AR-1260-1

R.T.: 6.287 min
Delta R.T.: 0.000 min
Response: 24888578
Conc: 54.34 ng/ml



#31 AR-1260-1

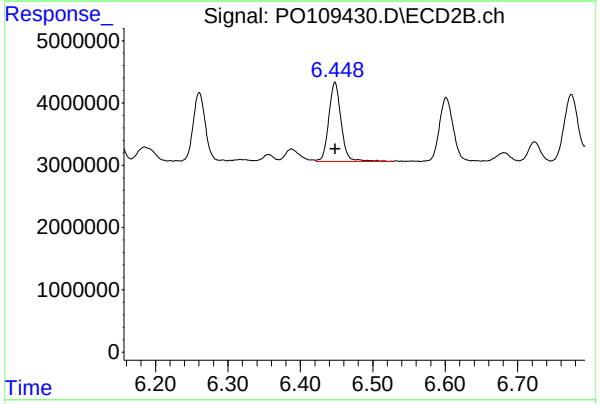
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 12924776
Conc: 55.53 ng/ml



#32 AR-1260-2

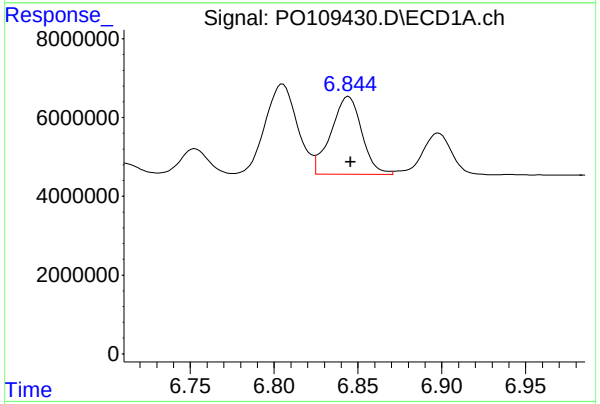
R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 30375809
Conc: 55.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



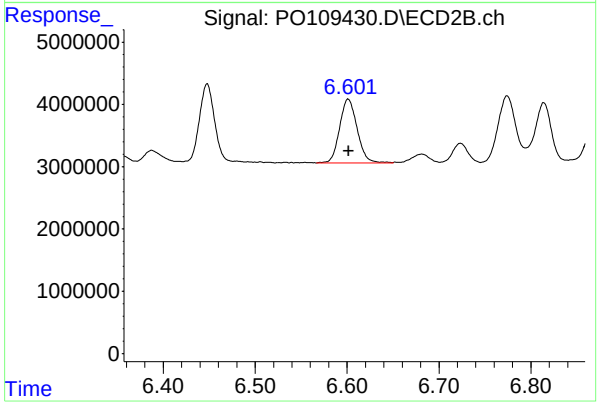
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 15043931
Conc: 55.96 ng/ml



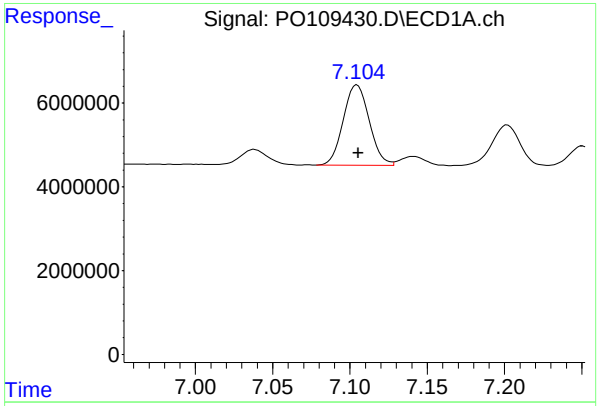
#33 AR-1260-3

R.T.: 6.844 min
Delta R.T.: -0.001 min
Response: 25249901
Conc: 54.47 ng/ml



#33 AR-1260-3

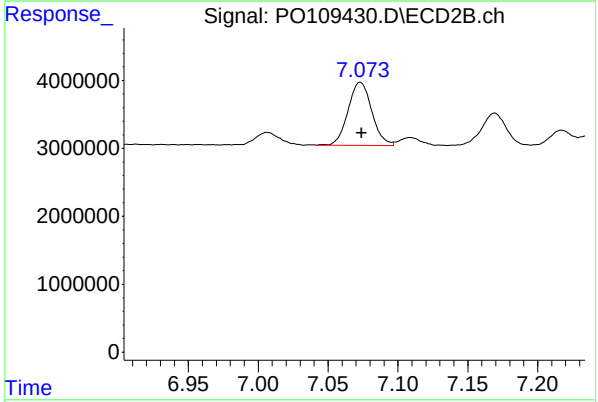
R.T.: 6.601 min
Delta R.T.: 0.000 min
Response: 13685351
Conc: 54.76 ng/ml



#34 AR-1260-4

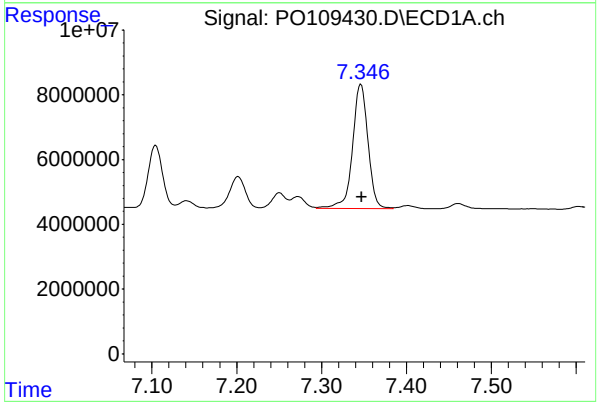
R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 22377315
Conc: 52.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



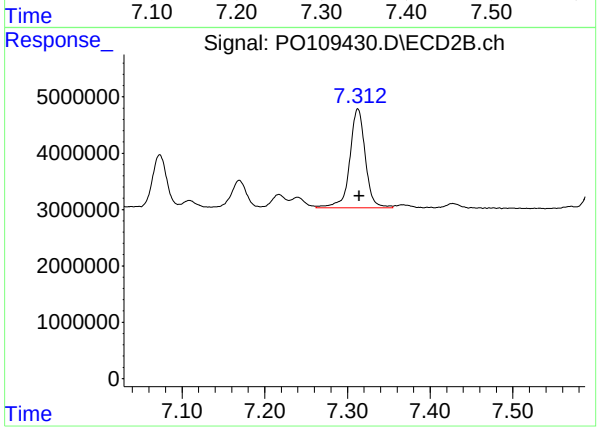
#34 AR-1260-4

R.T.: 7.073 min
Delta R.T.: 0.000 min
Response: 10981241
Conc: 54.30 ng/ml



#35 AR-1260-5

R.T.: 7.346 min
Delta R.T.: 0.000 min
Response: 48767614
Conc: 48.70 ng/ml



#35 AR-1260-5

R.T.: 7.313 min
Delta R.T.: -0.002 min
Response: 22954954
Conc: 51.73 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:18
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:14:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.693	493.2E6	265.7E6	50.000	50.000
2)	SA Decachlor...	8.755	8.707	432.4E6	160.0E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.910	3.905	65939528	34251207	500.000	500.000
9)	L2 AR-1221-2	3.997	3.990	49350500	25669896	500.000	500.000
10)	L2 AR-1221-3	4.074	4.066	134.9E6	72714061	500.000	500.000

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

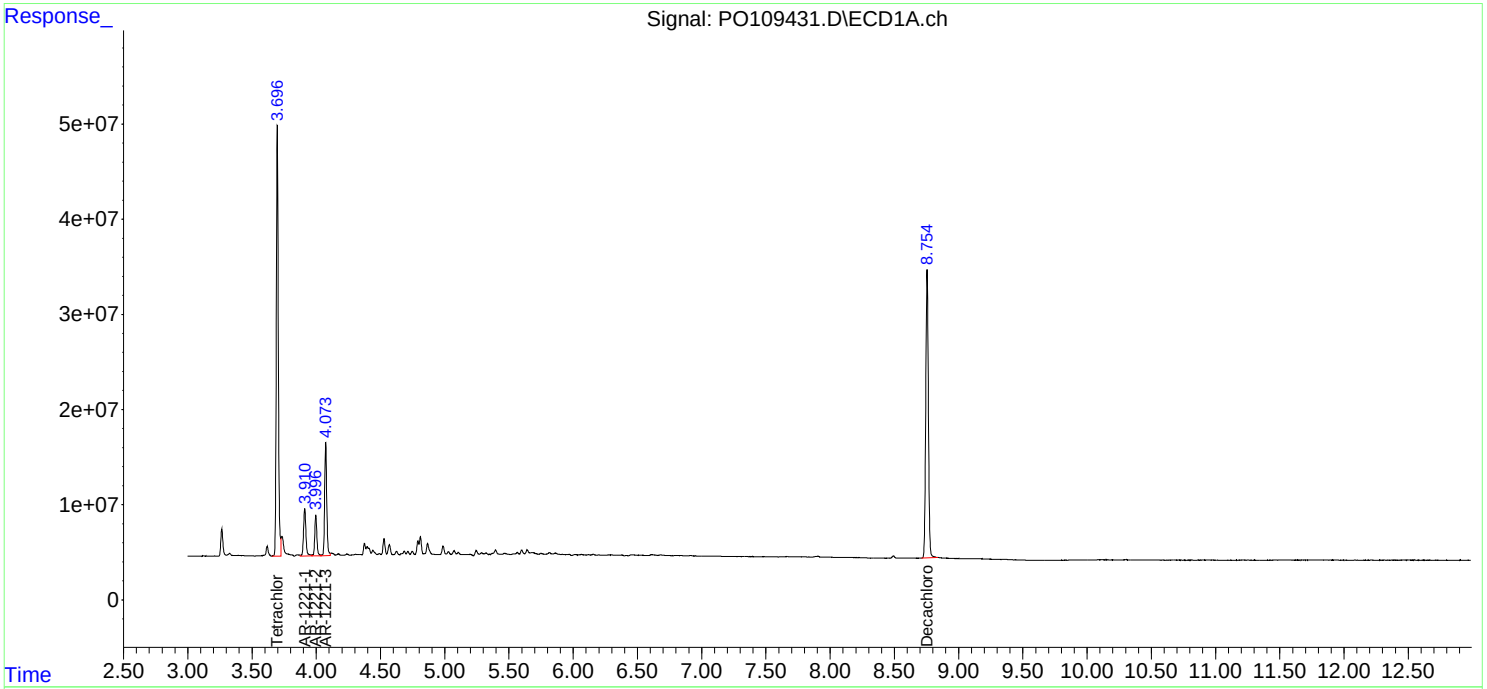
ICAL Form

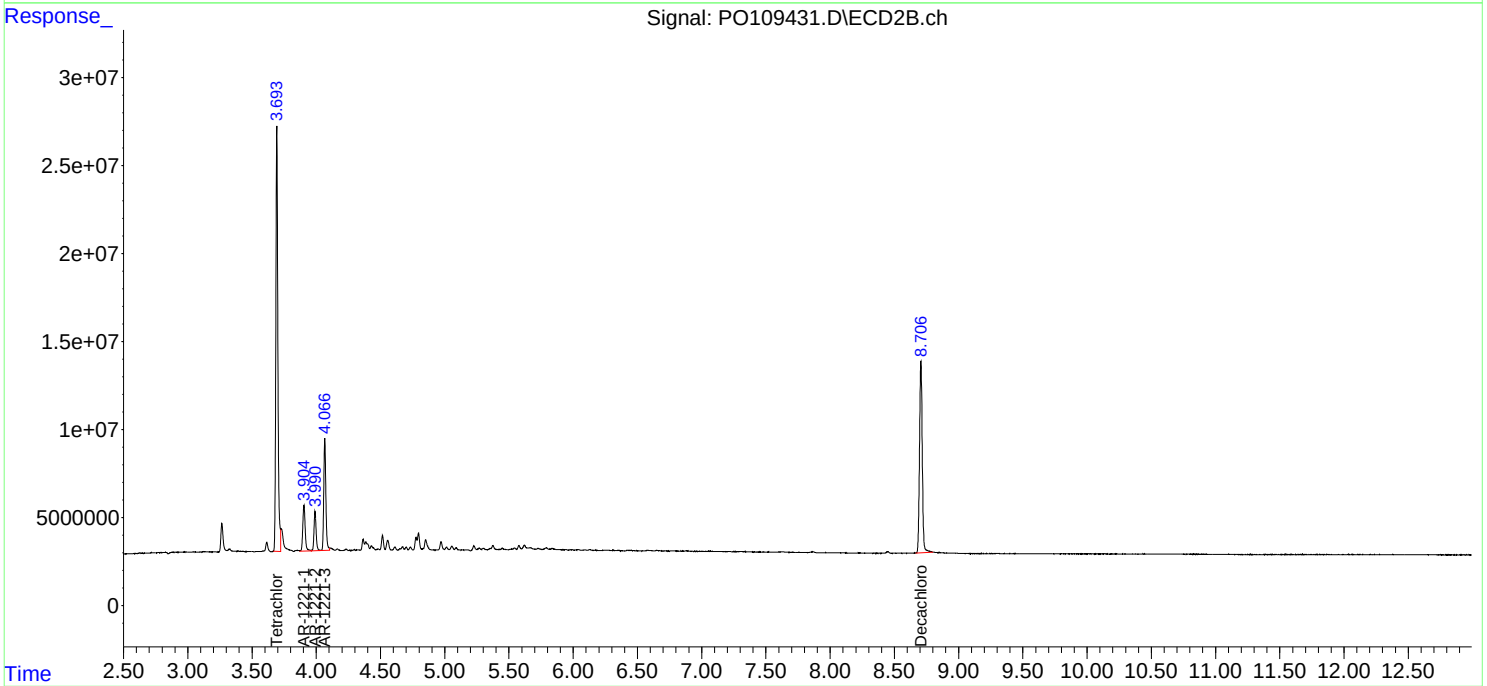
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:18
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

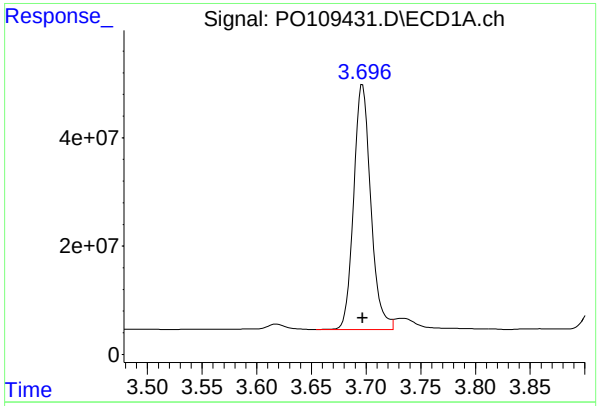
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:14:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



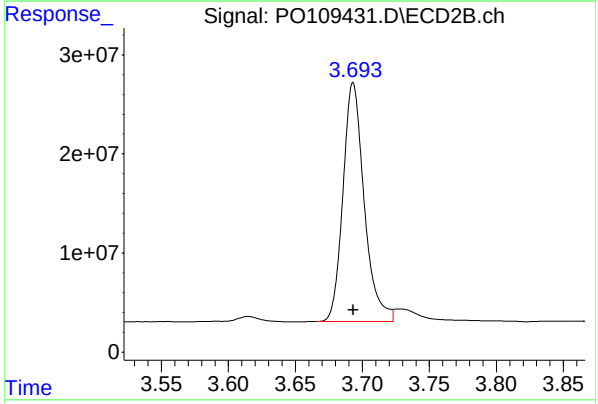




#1 Tetrachloro-m-xylene

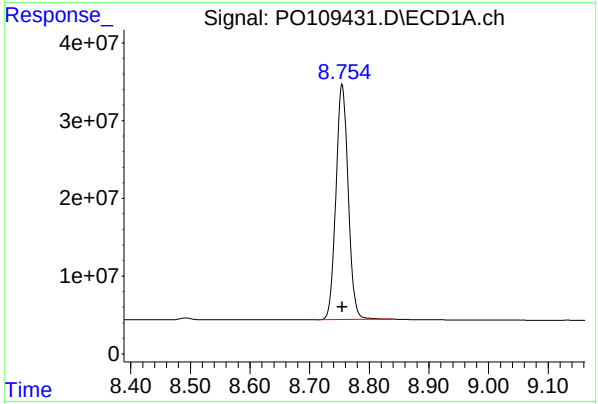
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 493155932
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



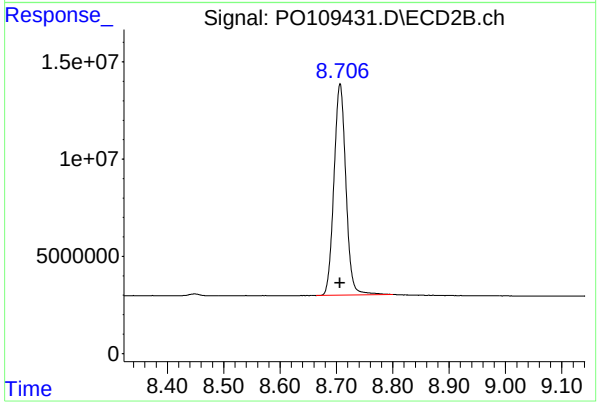
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 265705128
Conc: 50.00 ng/ml



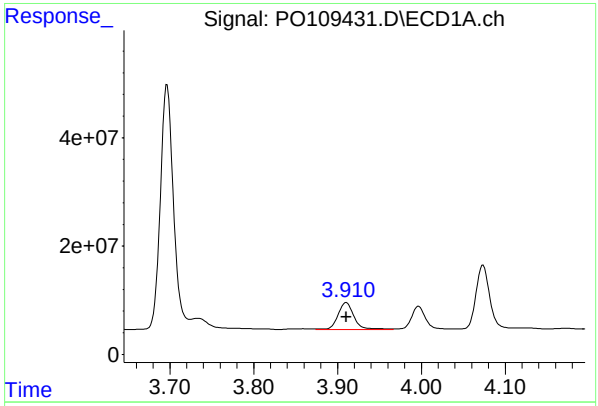
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 432400100
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

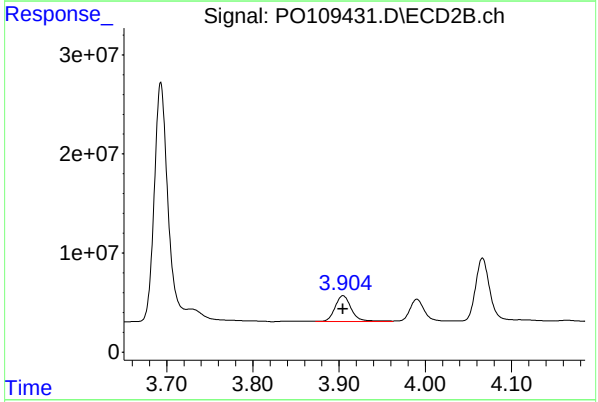
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 159982923
Conc: 50.00 ng/ml



#8 AR-1221-1

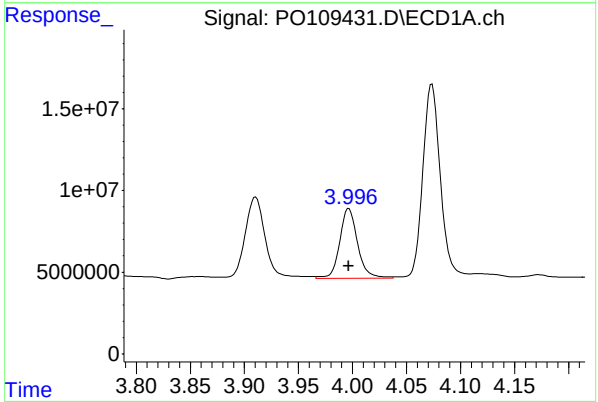
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 65939528
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



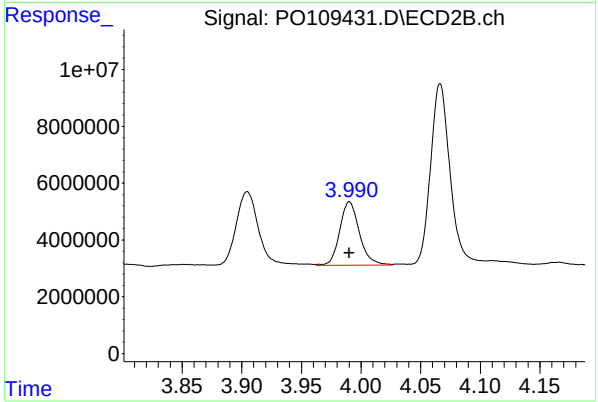
#8 AR-1221-1

R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 34251207
Conc: 500.00 ng/ml



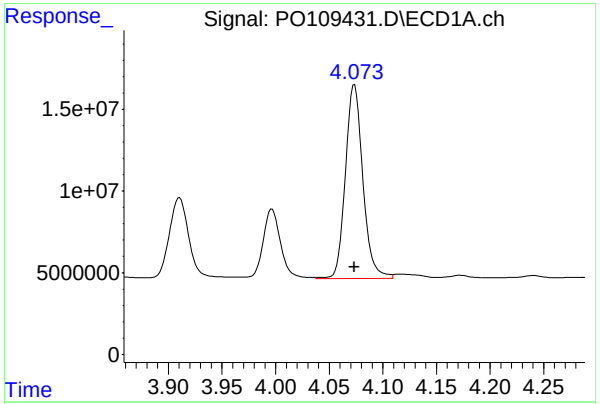
#9 AR-1221-2

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 49350500
Conc: 500.00 ng/ml



#9 AR-1221-2

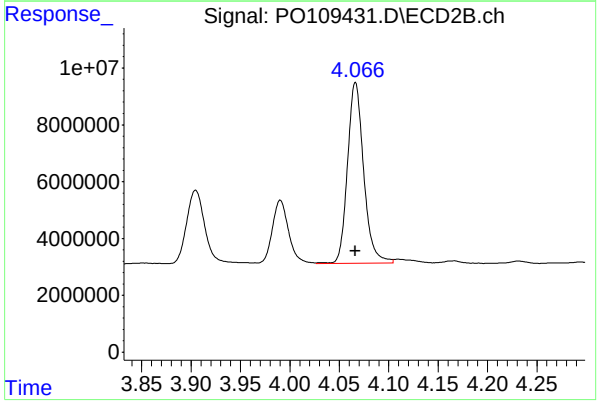
R.T.: 3.990 min
Delta R.T.: 0.000 min
Response: 25669896
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.074 min
Delta R.T.: 0.000 mi
Response: 134918815
Conc: 500.00 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.066 min
Delta R.T.: 0.000 min
Response: 72714061
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:36
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:23:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:22:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.697	3.693	461.7E6	262.6E6	50.000	50.000
2) SA	Decachlor...	8.757	8.706	402.2E6	149.0E6	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	4.074	4.066	104.5E6	55730818	500.000	500.000
12) L3	AR-1232-2	4.569	4.796	58041447	51658633	500.000	500.000
13) L3	AR-1232-3	4.811	4.972	101.0E6	28385926	500.000	500.000
14) L3	AR-1232-4	4.988	5.056	55610100	27447264	500.000	500.000
15) L3	AR-1232-5	5.030	5.227	40834319	29402463	500.000	500.000

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

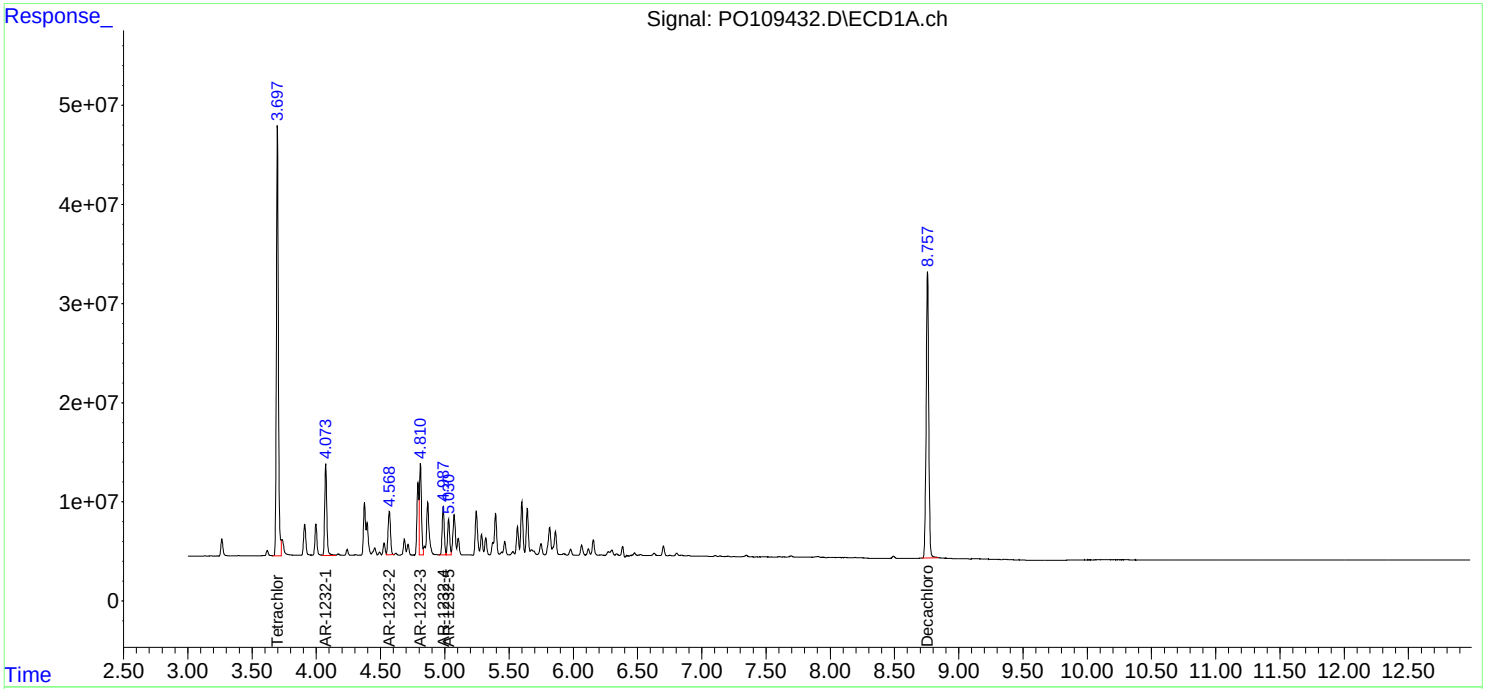
ICAL Form

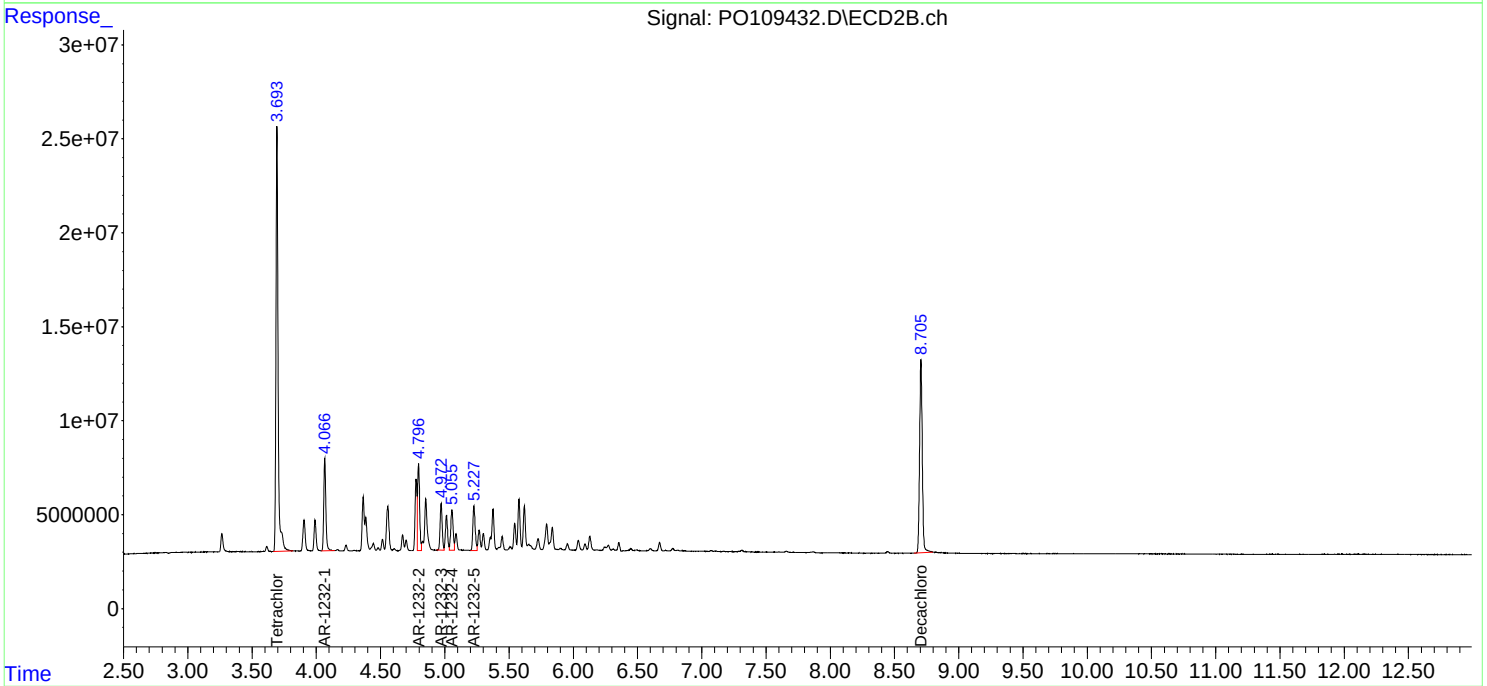
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:36
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

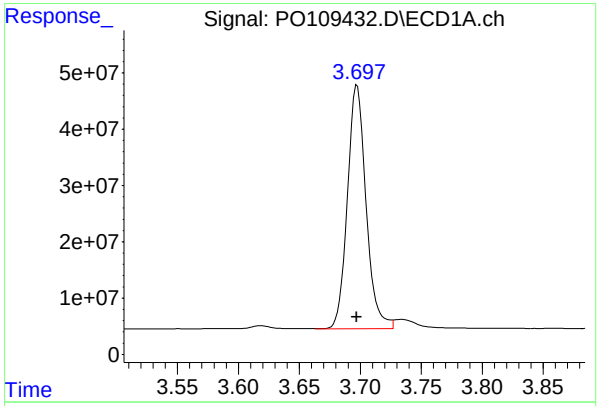
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:23:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:22:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



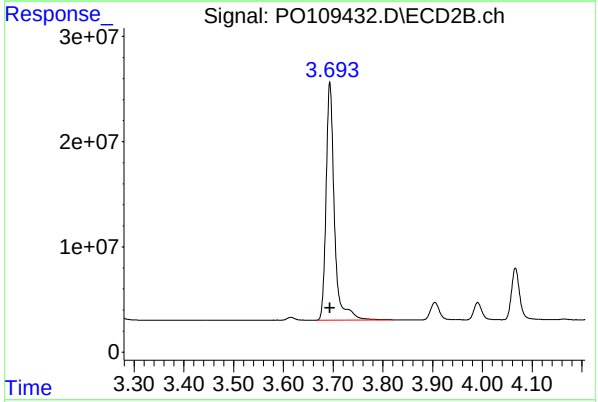




#1 Tetrachloro-m-xylene

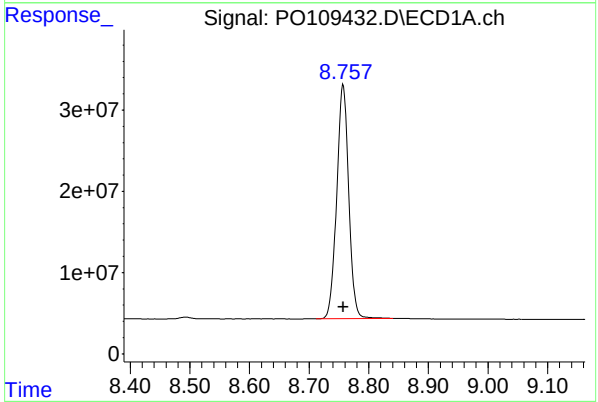
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 461664100
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



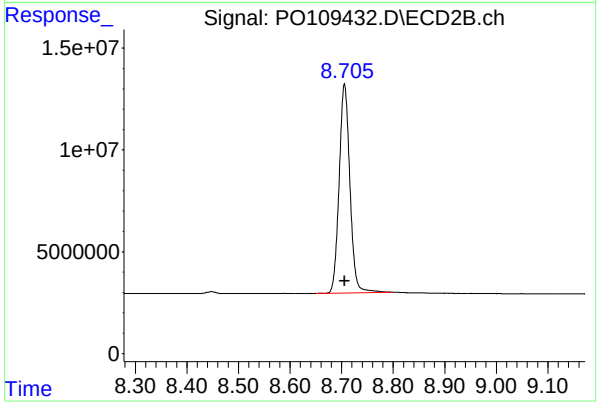
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 262638765
Conc: 50.00 ng/ml



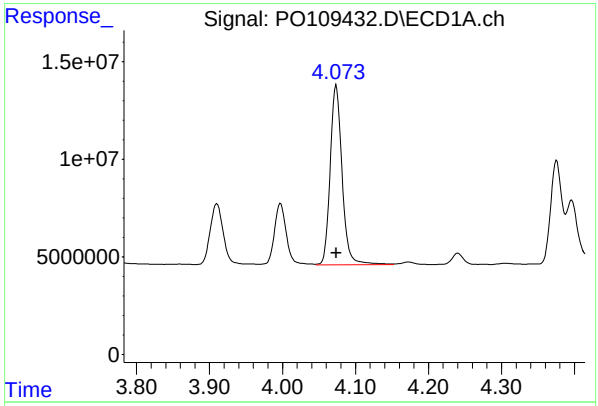
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 402160306
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

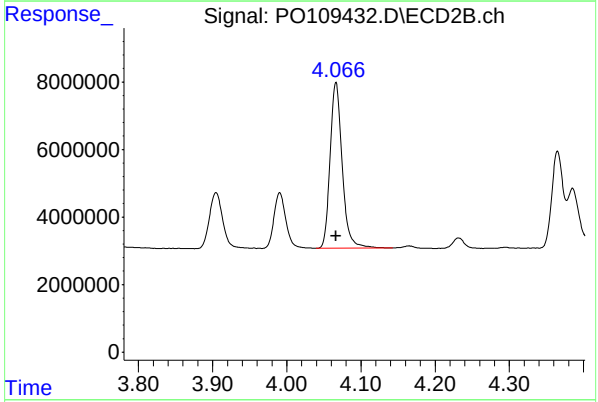
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 148986955
Conc: 50.00 ng/ml



#11 AR-1232-1

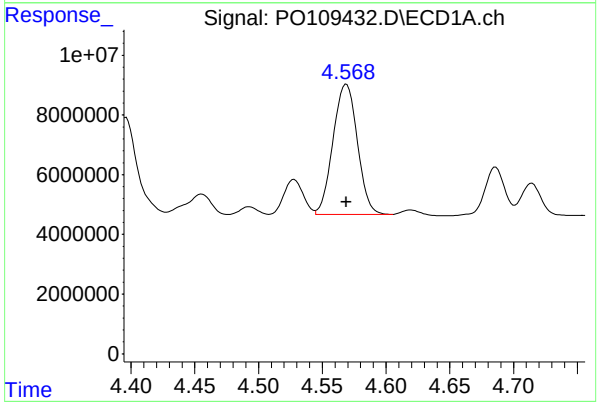
R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 104464356
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



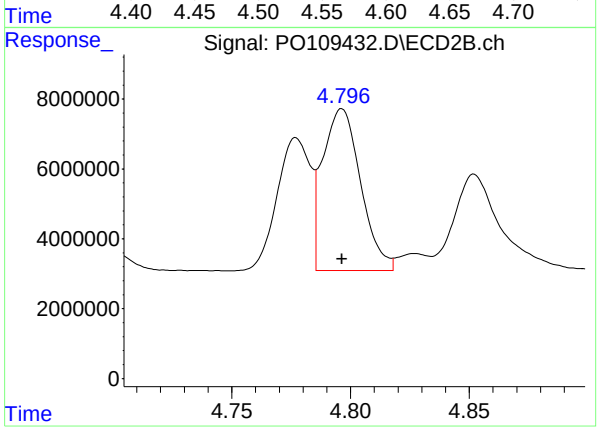
#11 AR-1232-1

R.T.: 4.066 min
Delta R.T.: 0.000 min
Response: 55730818
Conc: 500.00 ng/ml



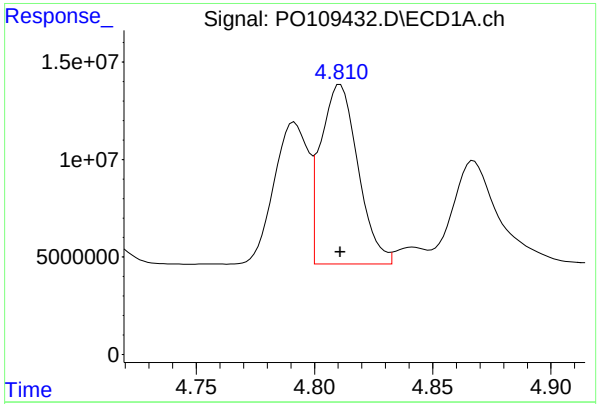
#12 AR-1232-2

R.T.: 4.569 min
Delta R.T.: 0.000 min
Response: 58041447
Conc: 500.00 ng/ml



#12 AR-1232-2

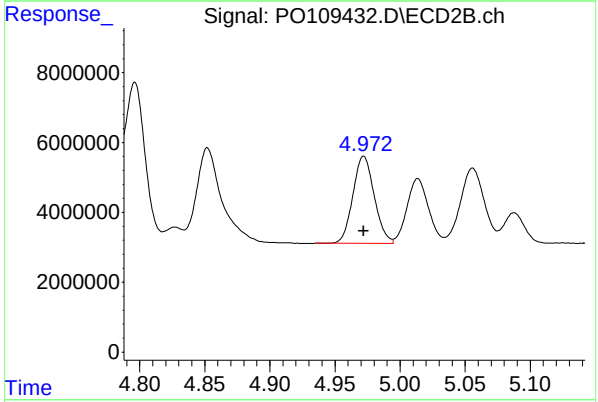
R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 51658633
Conc: 500.00 ng/ml



#13 AR-1232-3

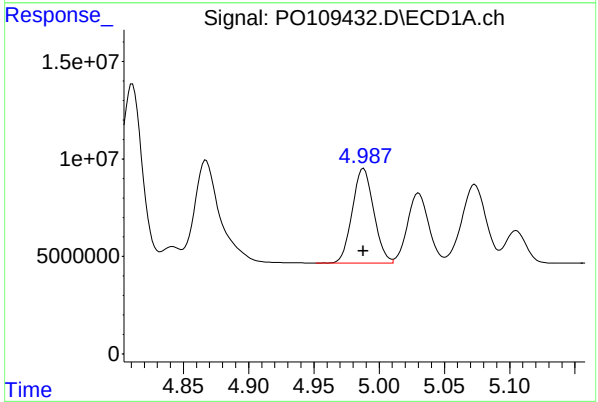
R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 100967925
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



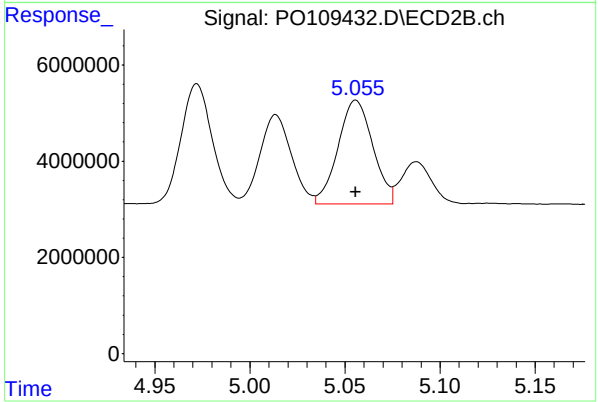
#13 AR-1232-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 28385926
Conc: 500.00 ng/ml



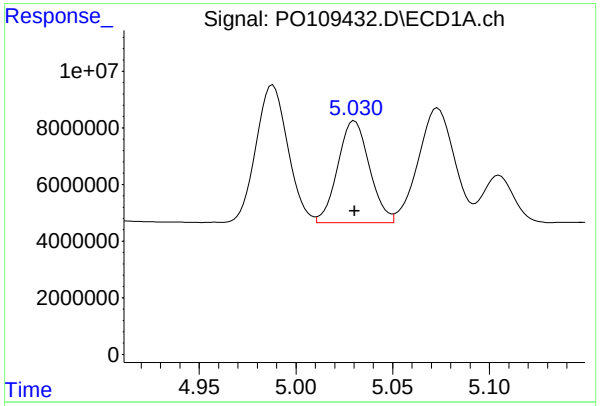
#14 AR-1232-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 55610100
Conc: 500.00 ng/ml



#14 AR-1232-4

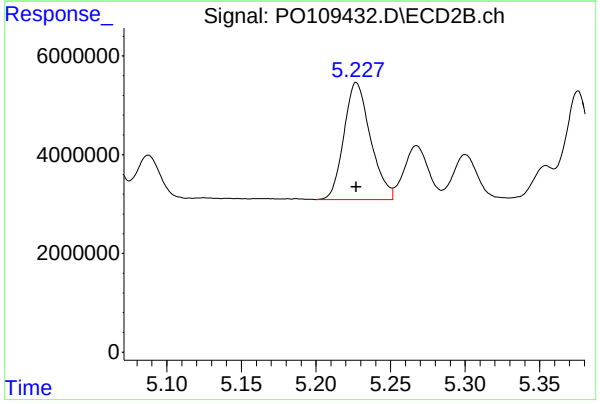
R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 27447264
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 40834319
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 29402463
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:55
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:27:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	923.7E6	500.1E6	97.778	95.185
2)	SA Decachlor...	8.755	8.706	757.1E6	272.8E6	92.369	90.350
	Target Compounds						
16)	L4 AR-1242-1	4.792	4.777	241.6E6	121.0E6	916.426	908.645
17)	L4 AR-1242-2	4.811	4.797	330.3E6	169.6E6	917.306	925.460
18)	L4 AR-1242-3	4.867	4.972	231.0E6	93390359	900.175	913.397
19)	L4 AR-1242-4	4.988	5.056	181.9E6	96389066	908.484	894.238
20)	L4 AR-1242-5	5.642	5.579	192.2E6	113.2E6	904.779	903.843

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

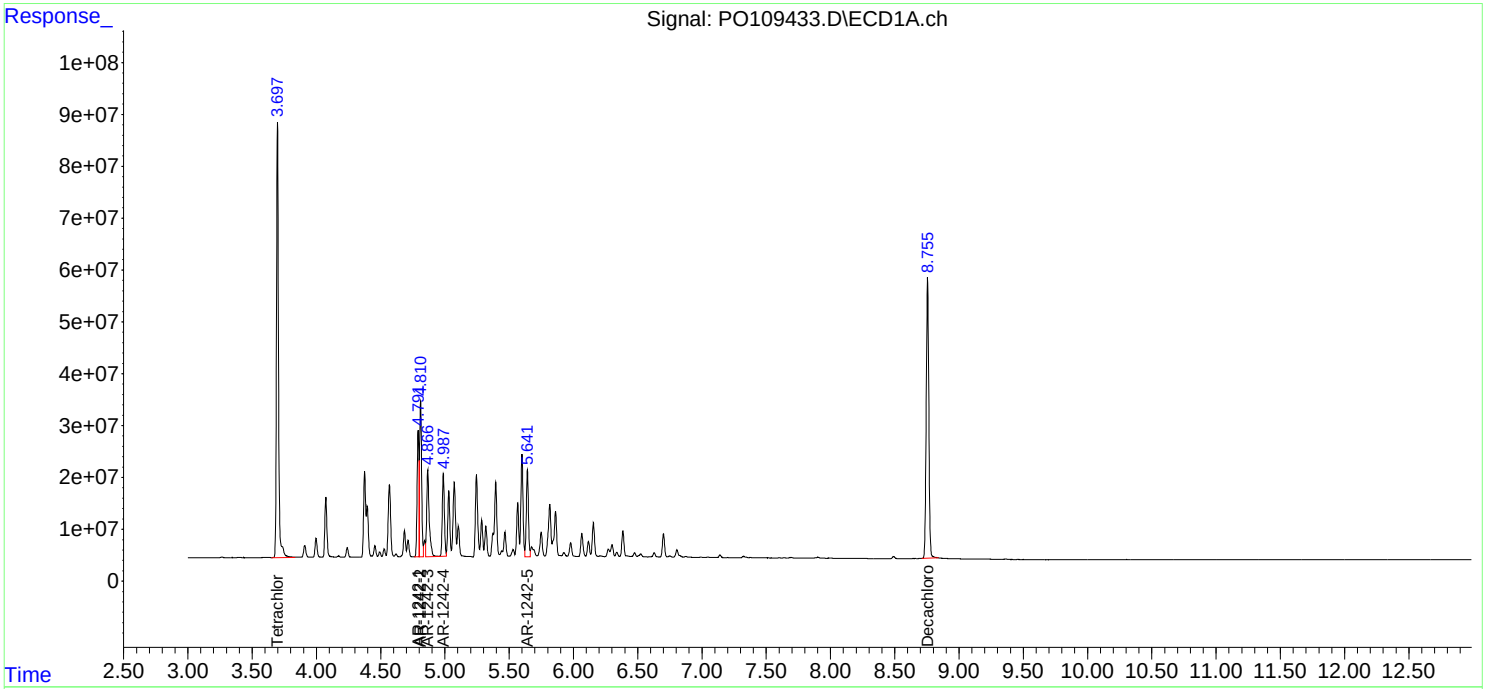
ICAL Form

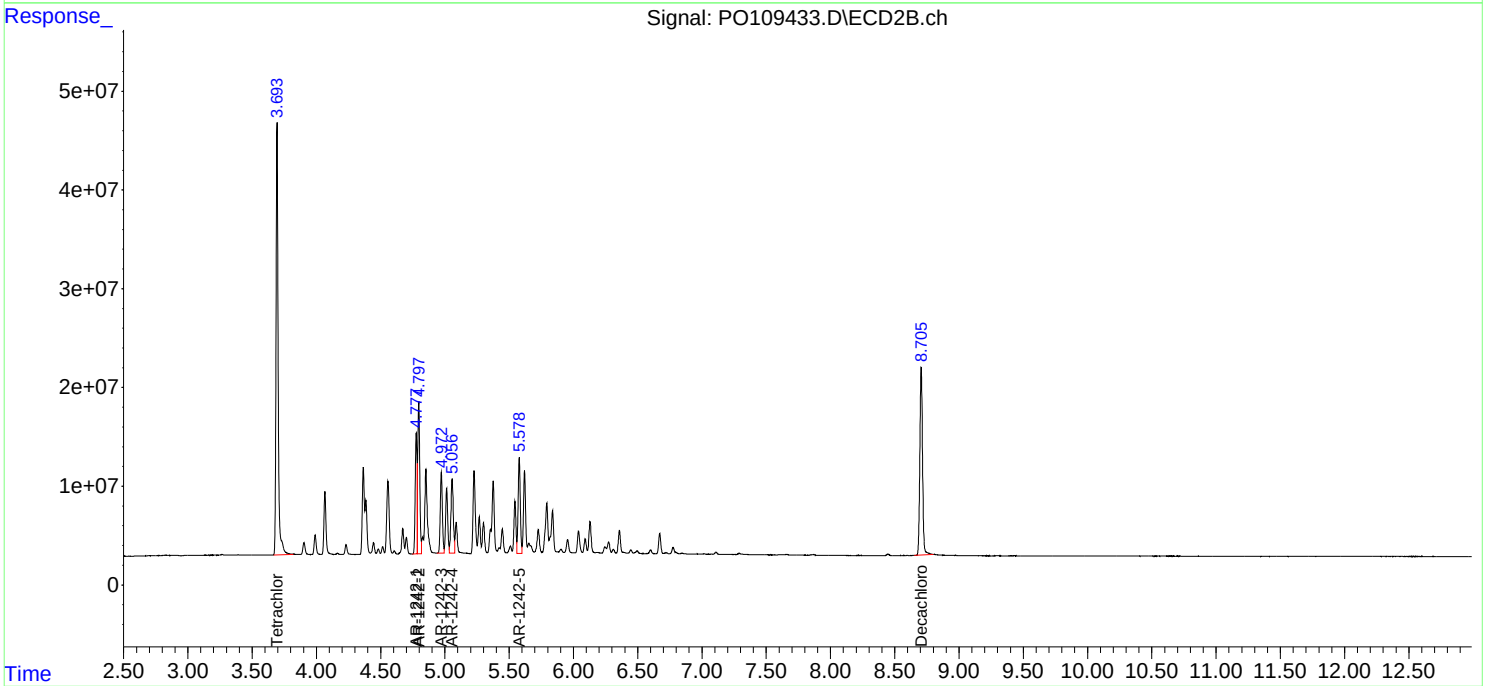
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:55
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

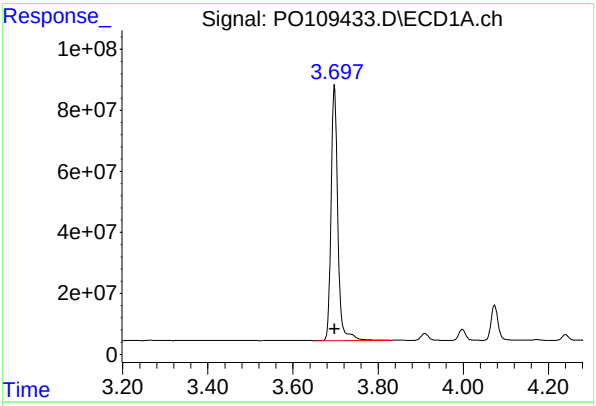
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:27:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



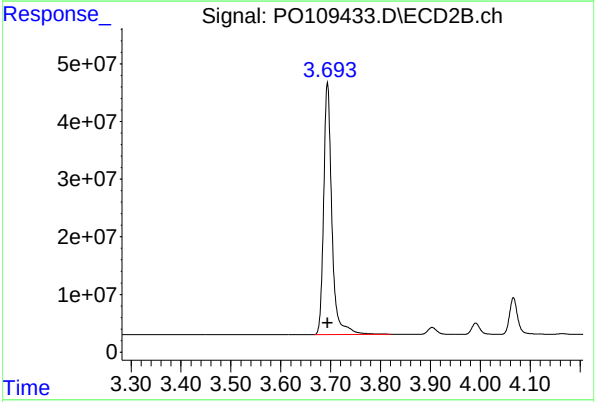




#1 Tetrachloro-m-xylene

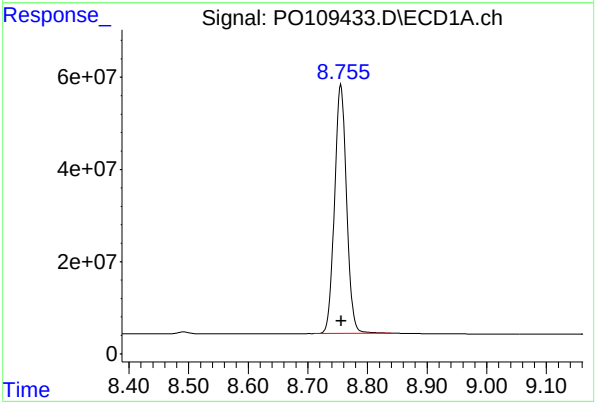
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 923693188
Conc: 97.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



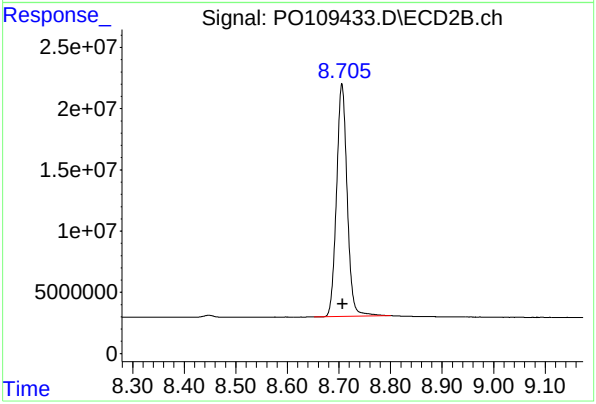
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 500121342
Conc: 95.18 ng/ml



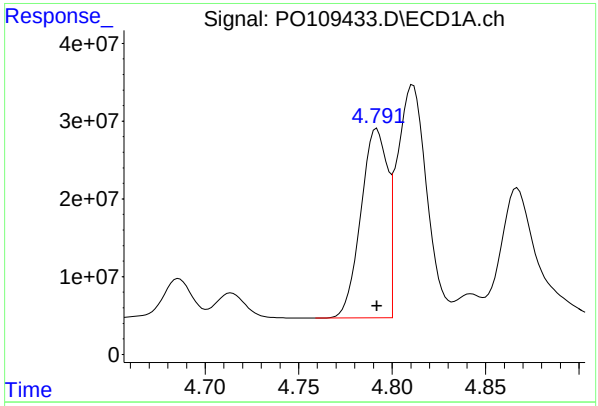
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 757146016
Conc: 92.37 ng/ml



#2 Decachlorobiphenyl

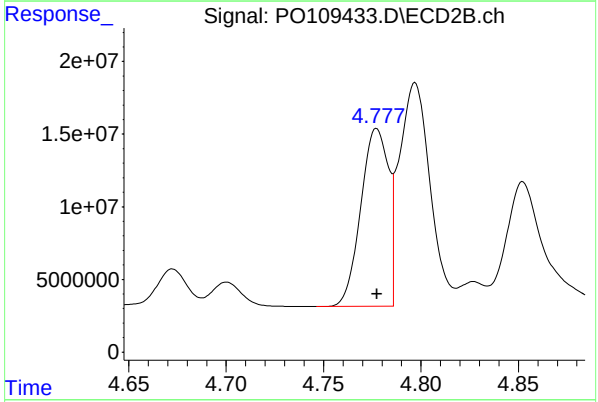
R.T.: 8.706 min
Delta R.T.: -0.001 min
Response: 272782324
Conc: 90.35 ng/ml



#16 AR-1242-1

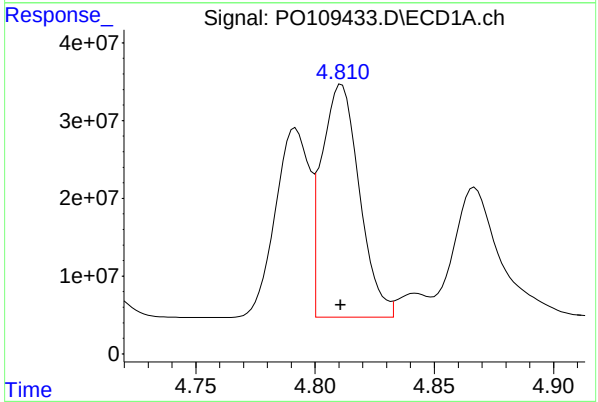
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 241553792
Conc: 916.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



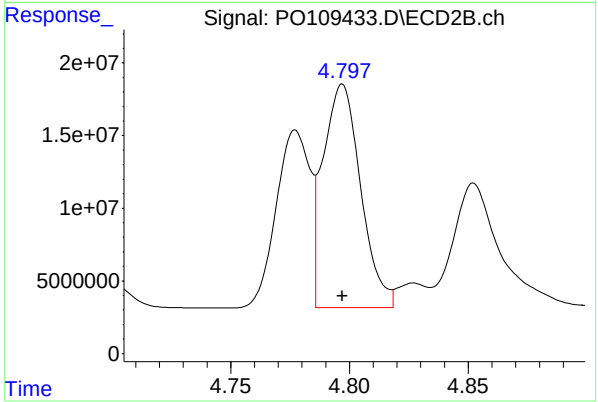
#16 AR-1242-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 120966720
Conc: 908.64 ng/ml



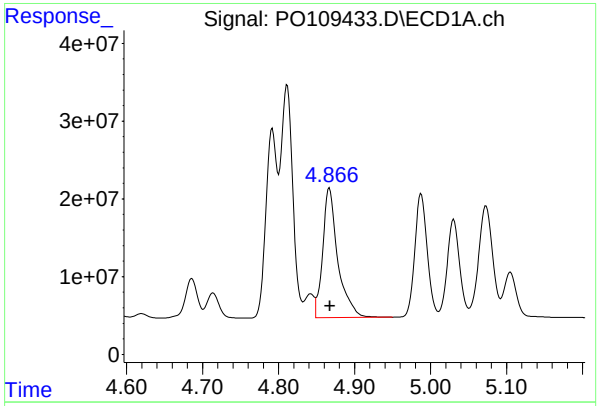
#17 AR-1242-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 330250979
Conc: 917.31 ng/ml



#17 AR-1242-2

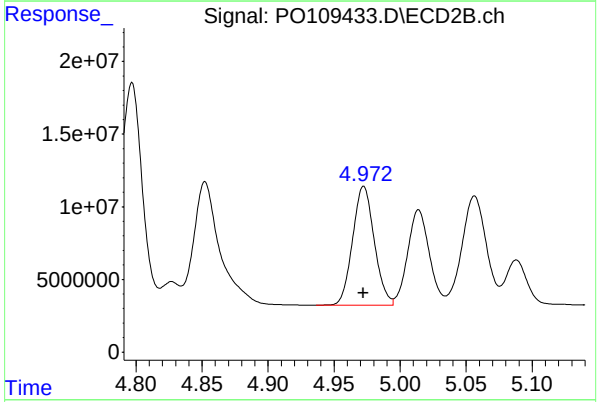
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 169605960
Conc: 925.46 ng/ml



#18 AR-1242-3

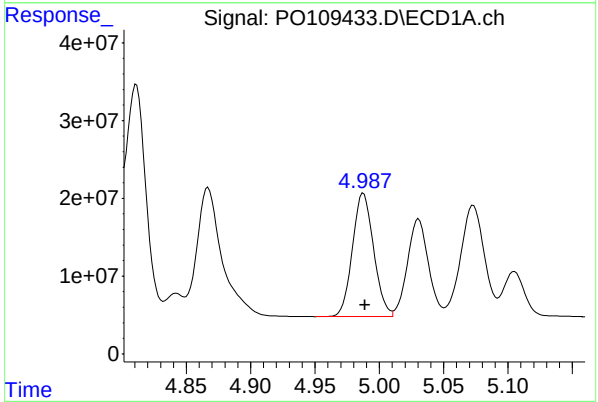
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 230958690
Conc: 900.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



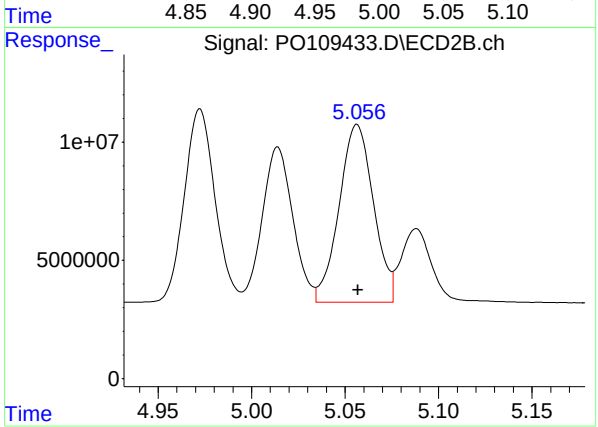
#18 AR-1242-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 93390359
Conc: 913.40 ng/ml



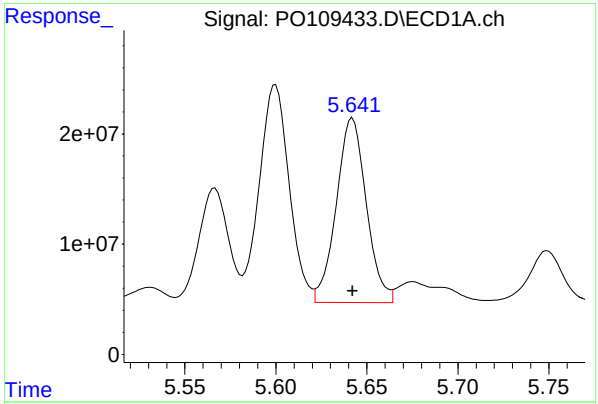
#19 AR-1242-4

R.T.: 4.988 min
Delta R.T.: -0.001 min
Response: 181873604
Conc: 908.48 ng/ml



#19 AR-1242-4

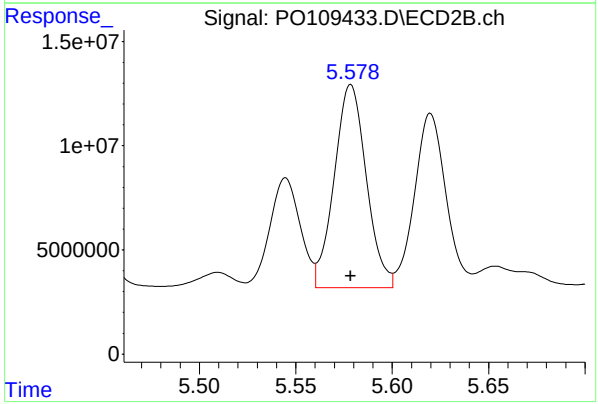
R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 96389066
Conc: 894.24 ng/ml



#20 AR-1242-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 192196869
Conc: 904.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.579 min
Delta R.T.: 0.000 min
Response: 113196636
Conc: 903.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:13
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:27:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	705.0E6	380.9E6	74.630	72.489
2)	SA Decachlor...	8.755	8.706	583.7E6	214.6E6	71.212	71.089
	Target Compounds						
16)	L4 AR-1242-1	4.792	4.777	186.6E6	93559887	707.886	702.778
17)	L4 AR-1242-2	4.812	4.796	255.9E6	130.1E6	710.666	710.082
18)	L4 AR-1242-3	4.868	4.972	179.6E6	72475556	699.816	708.841
19)	L4 AR-1242-4	4.989	5.057	141.2E6	75764454	705.184	702.896
20)	L4 AR-1242-5	5.643	5.578	148.7E6	88287004	700.176	704.946

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

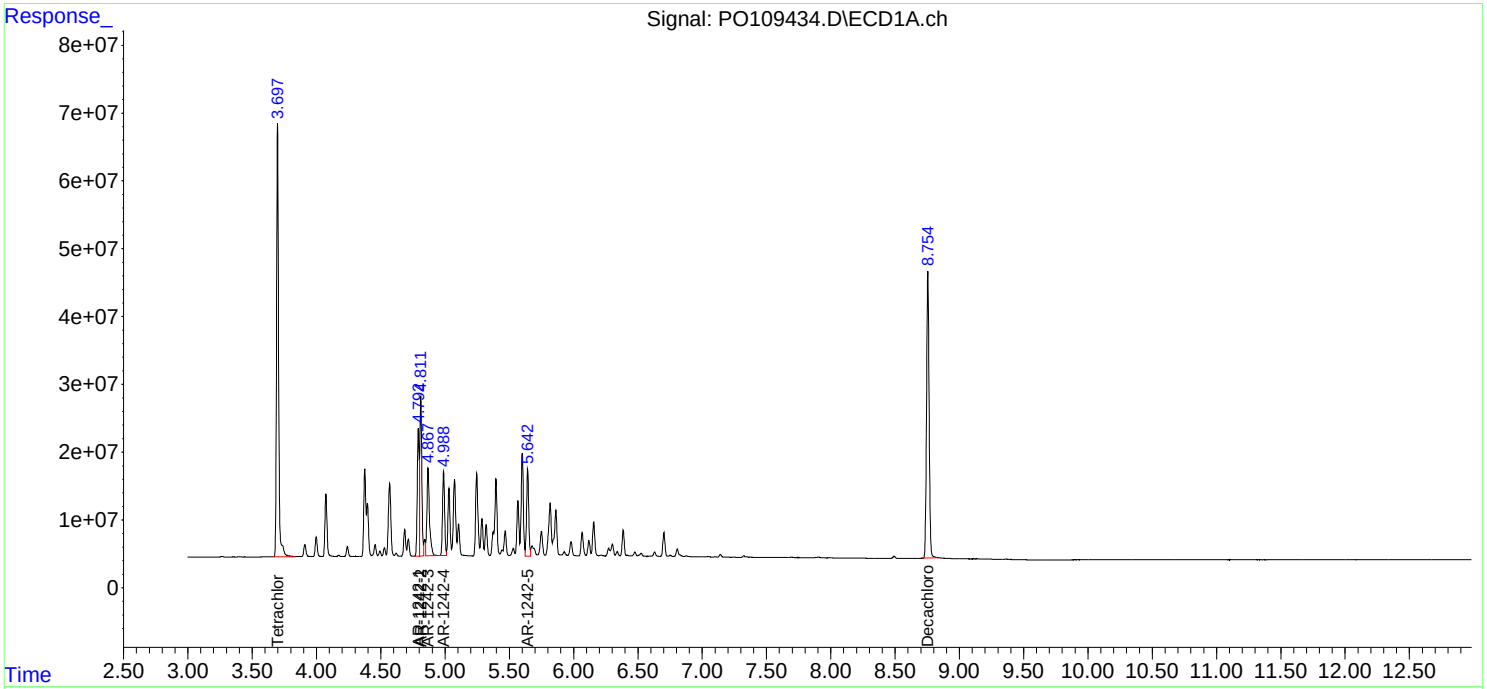
ICAL Form

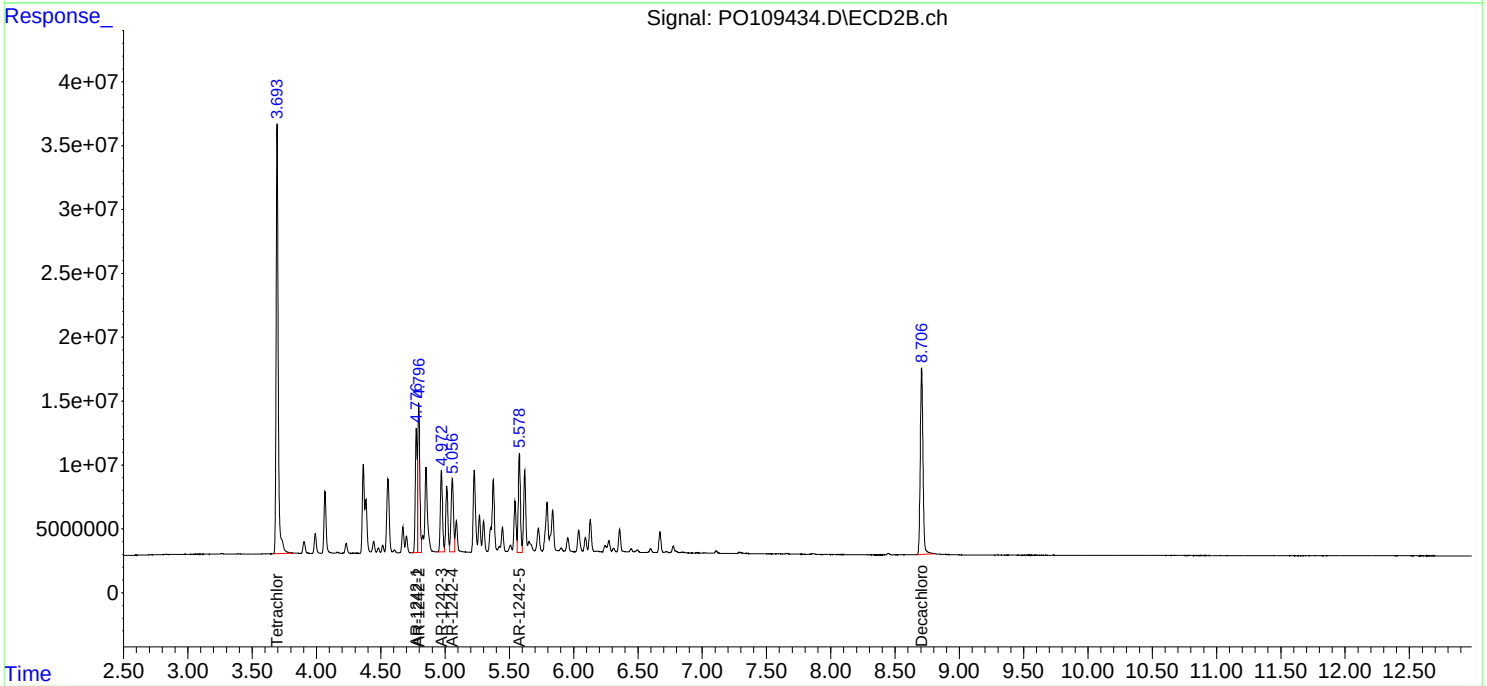
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:13
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

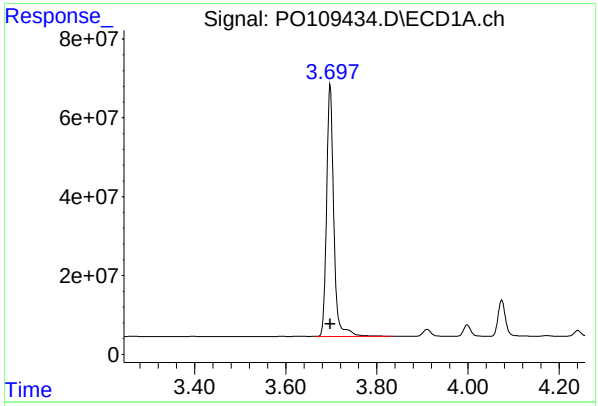
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:27:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



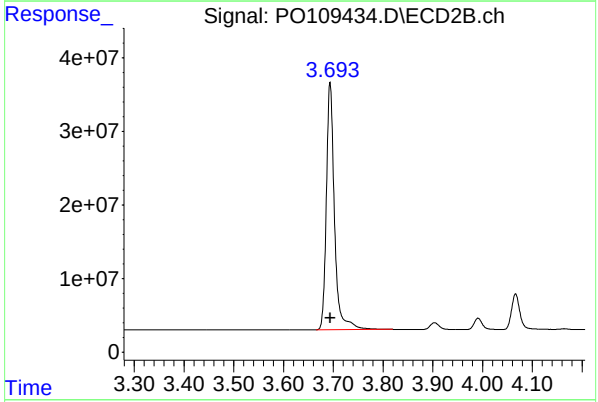




#1 Tetrachloro-m-xylene

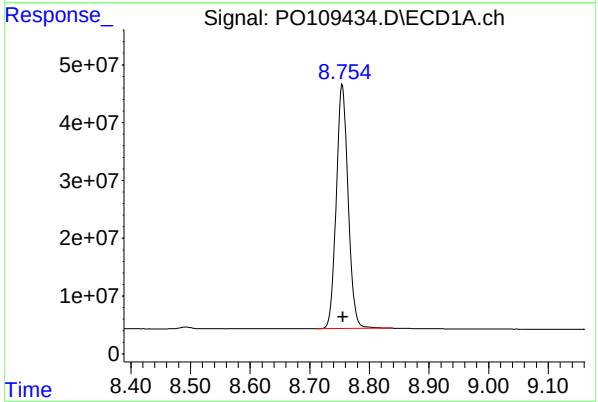
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 705015364
Conc: 74.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



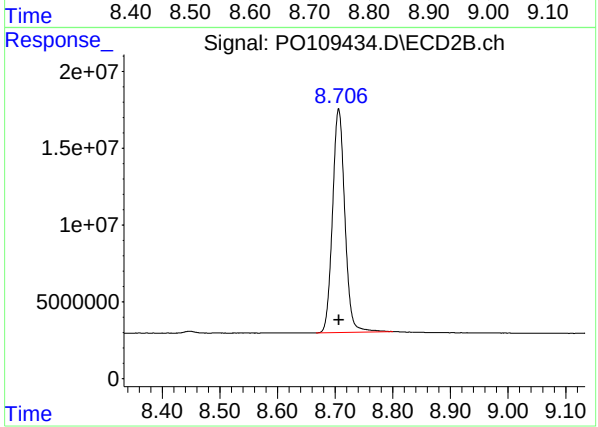
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 380874218
Conc: 72.49 ng/ml



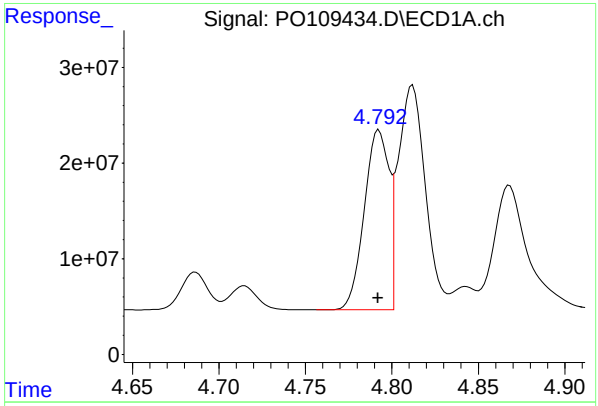
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: -0.001 min
Response: 583729030
Conc: 71.21 ng/ml



#2 Decachlorobiphenyl

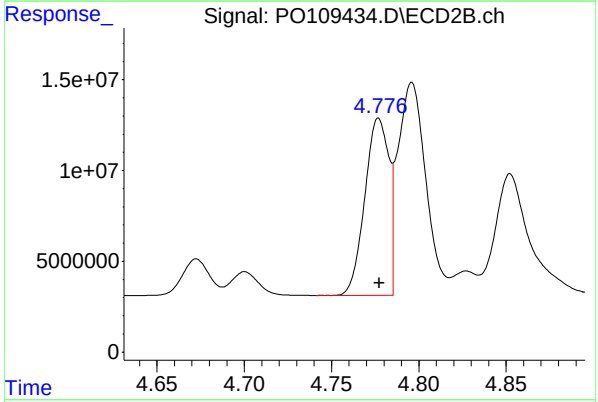
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 214631307
Conc: 71.09 ng/ml



#16 AR-1242-1

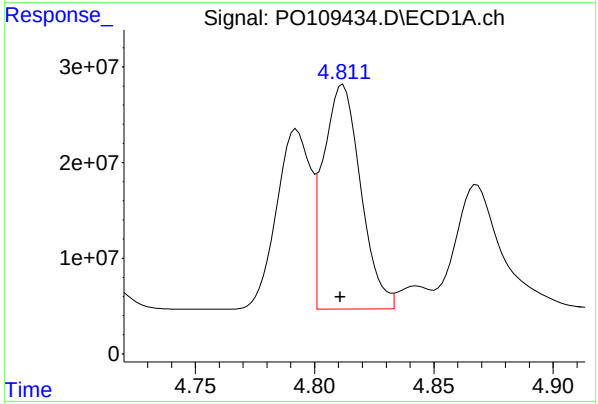
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 186586315
Conc: 707.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



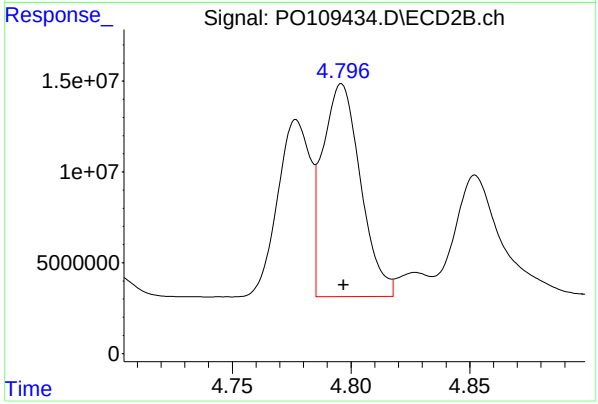
#16 AR-1242-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 93559887
Conc: 702.78 ng/ml



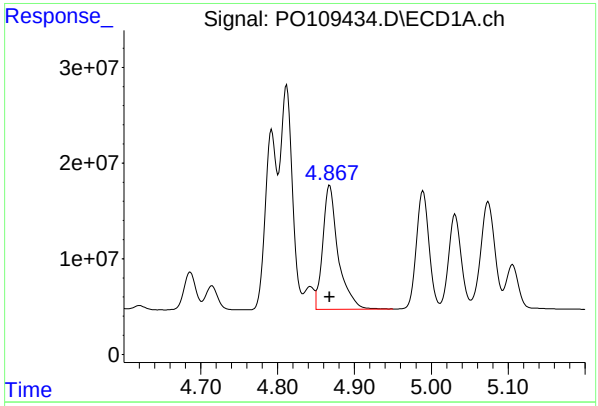
#17 AR-1242-2

R.T.: 4.812 min
Delta R.T.: 0.001 min
Response: 255855984
Conc: 710.67 ng/ml



#17 AR-1242-2

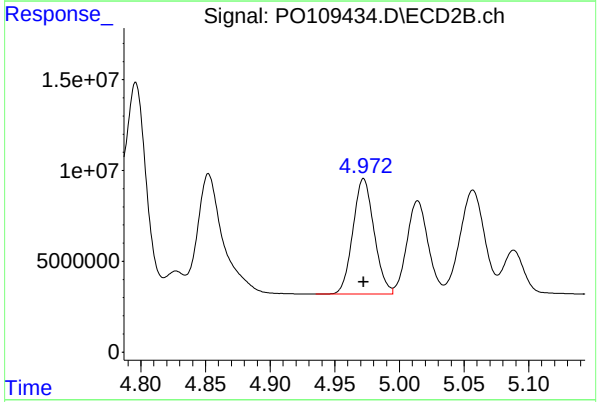
R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 130134409
Conc: 710.08 ng/ml



#18 AR-1242-3

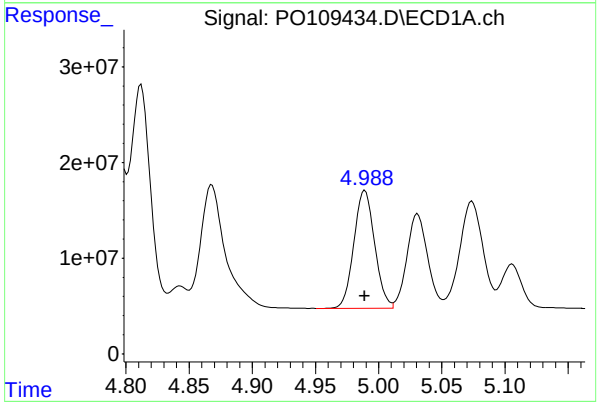
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 179552489
Conc: 699.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



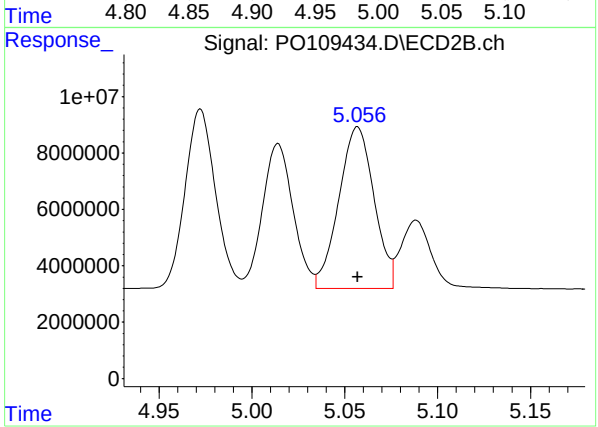
#18 AR-1242-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 72475556
Conc: 708.84 ng/ml



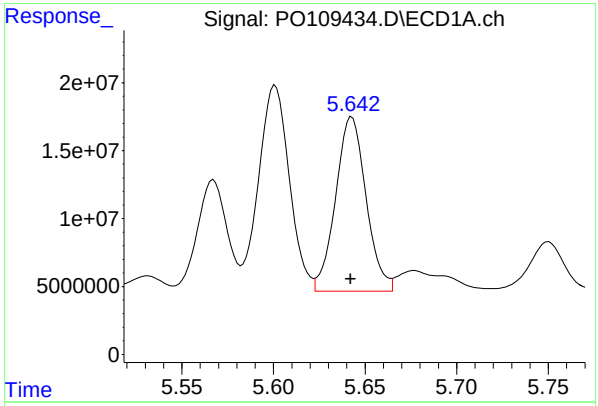
#19 AR-1242-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 141174141
Conc: 705.18 ng/ml



#19 AR-1242-4

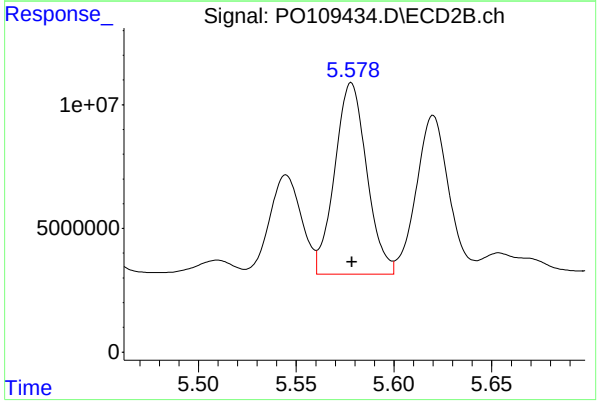
R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 75764454
Conc: 702.90 ng/ml



#20 AR-1242-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 148734207
Conc: 700.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 88287004
Conc: 704.95 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:31
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	472.3E6	262.7E6	50.000	50.000
2)	SA Decachlor...	8.756	8.707	409.9E6	151.0E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.792	4.777	131.8E6	66564351	500.000	500.000
17)	L4 AR-1242-2	4.811	4.797	180.0E6	91633308	500.000	500.000
18)	L4 AR-1242-3	4.868	4.972	128.3E6	51122546	500.000	500.000
19)	L4 AR-1242-4	4.989	5.057	100.1E6	53894501	500.000	500.000
20)	L4 AR-1242-5	5.642	5.578	106.2E6	62619657	500.000	500.000

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

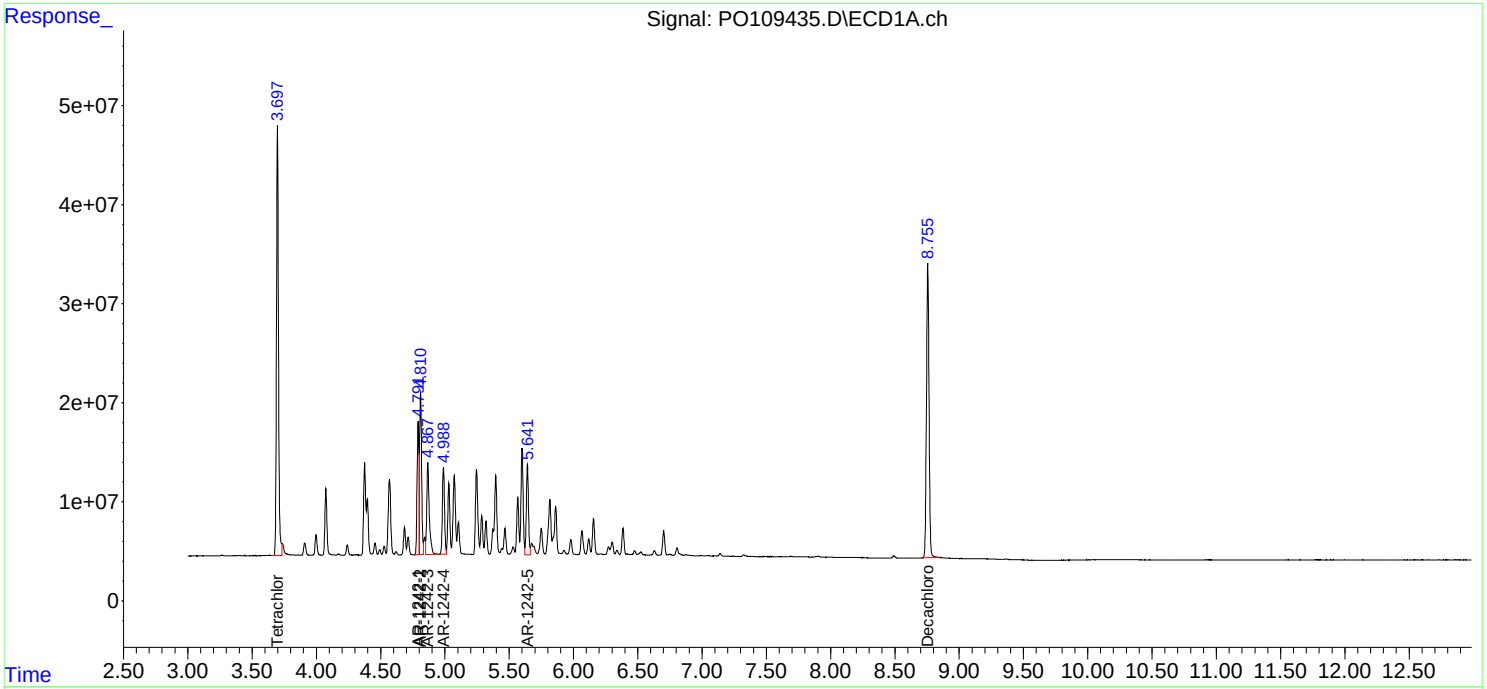
ICAL Form

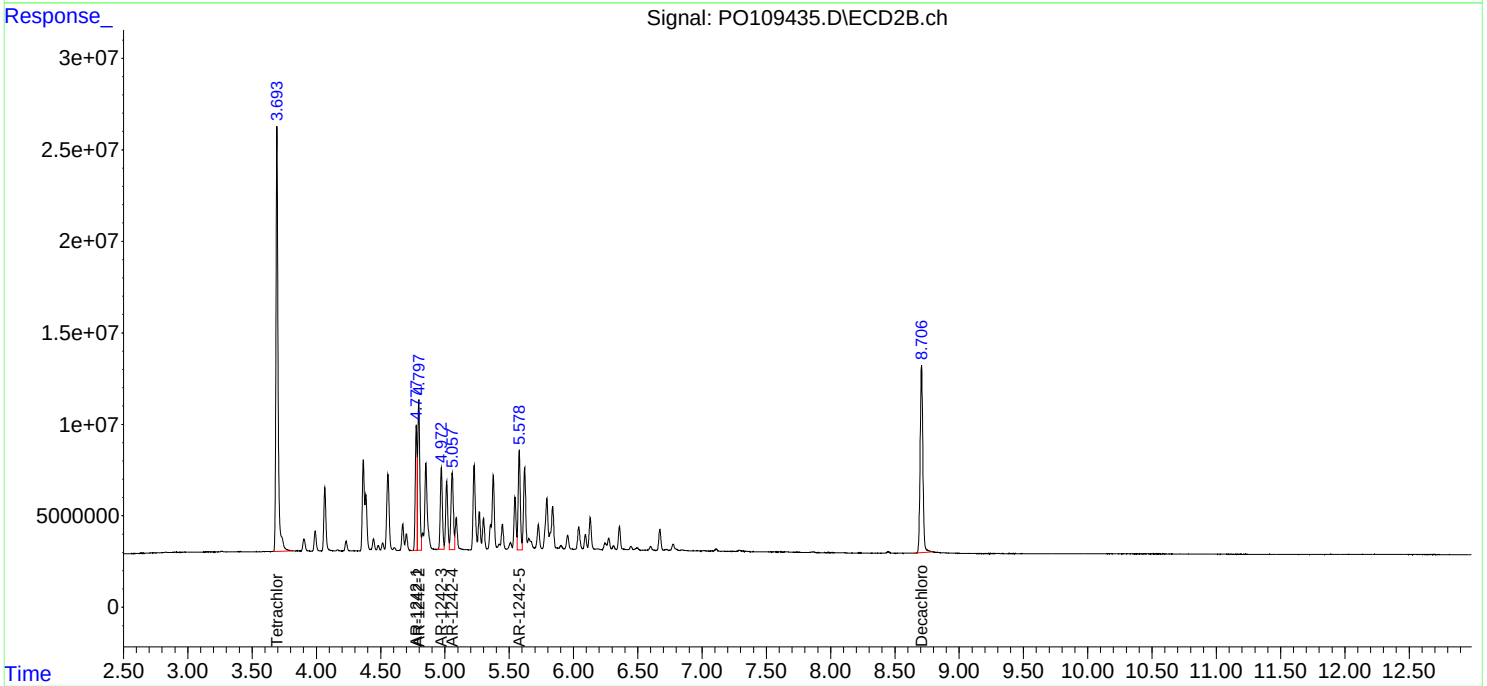
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:31
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

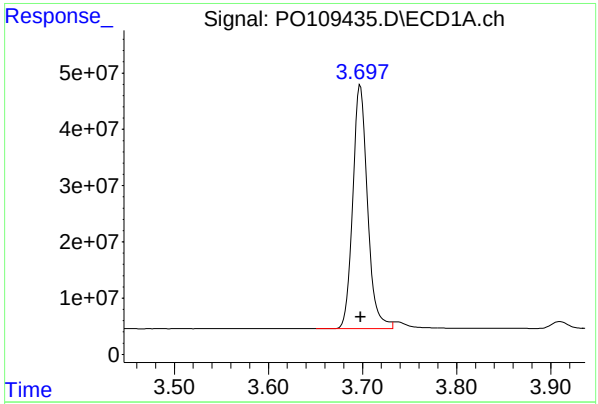
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



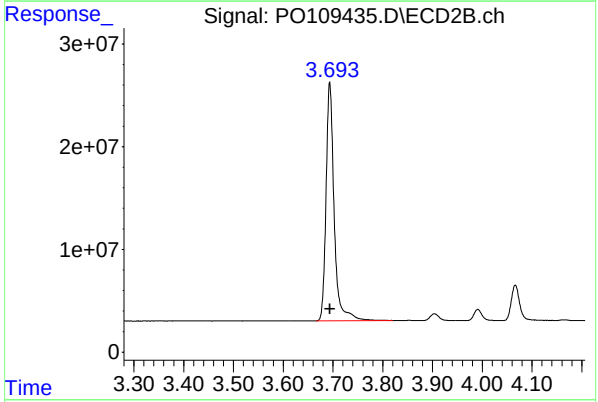




#1 Tetrachloro-m-xylene

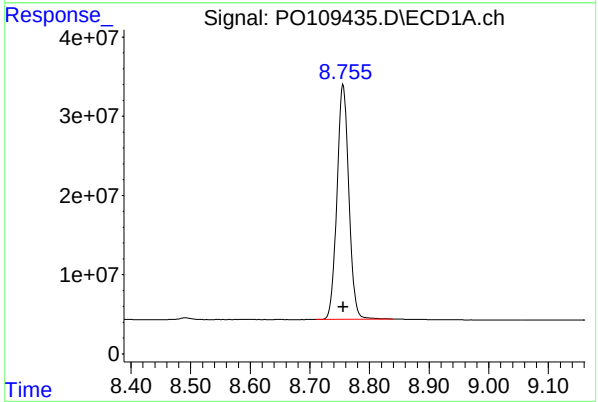
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 472343017
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



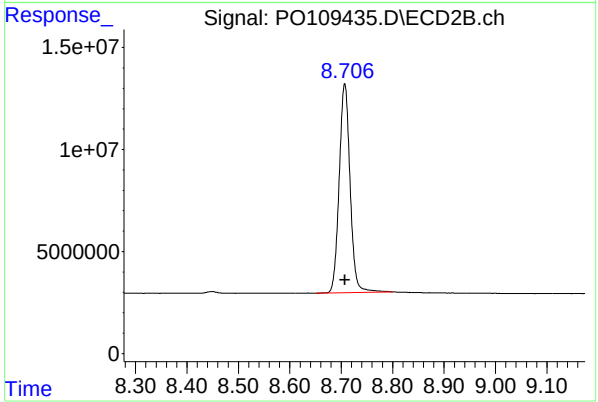
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 262711466
Conc: 50.00 ng/ml



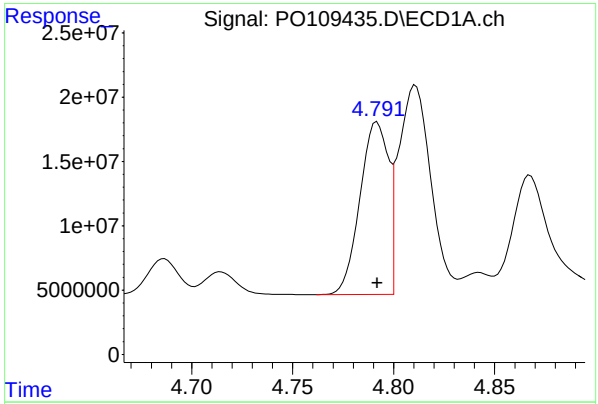
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 409850288
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

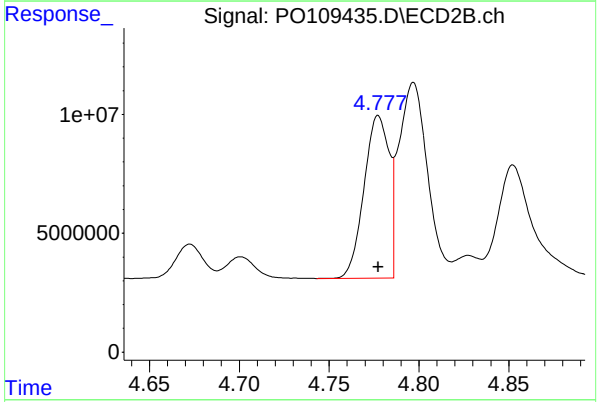
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 150958918
Conc: 50.00 ng/ml



#16 AR-1242-1

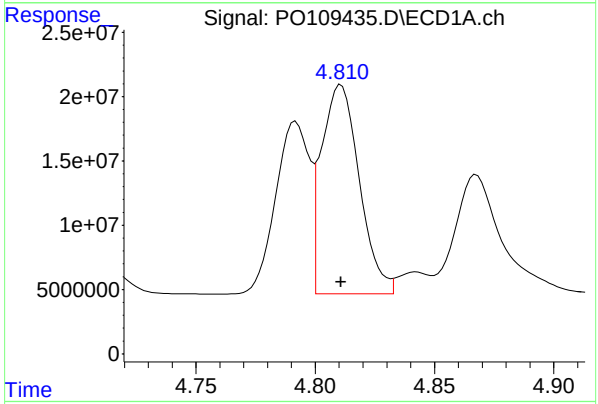
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 131791188
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



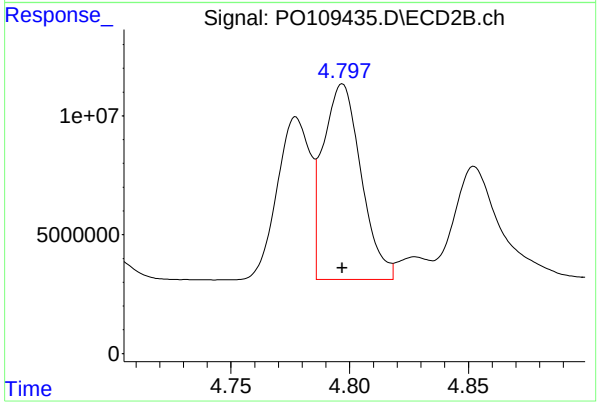
#16 AR-1242-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 66564351
Conc: 500.00 ng/ml



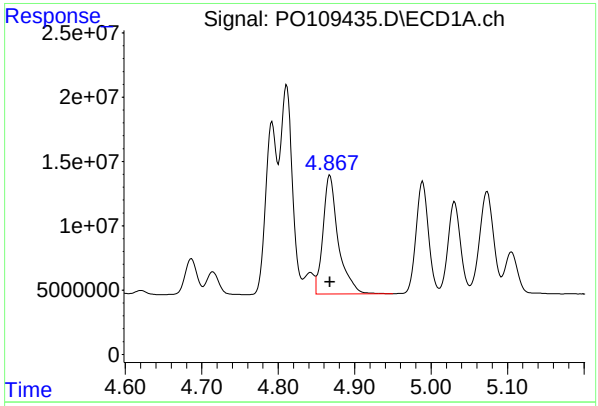
#17 AR-1242-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 180011297
Conc: 500.00 ng/ml



#17 AR-1242-2

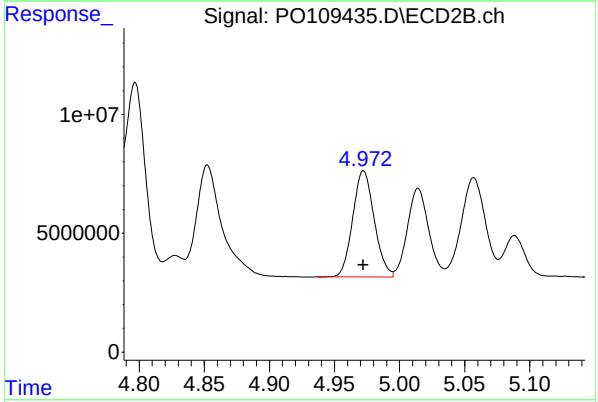
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 91633308
Conc: 500.00 ng/ml



#18 AR-1242-3

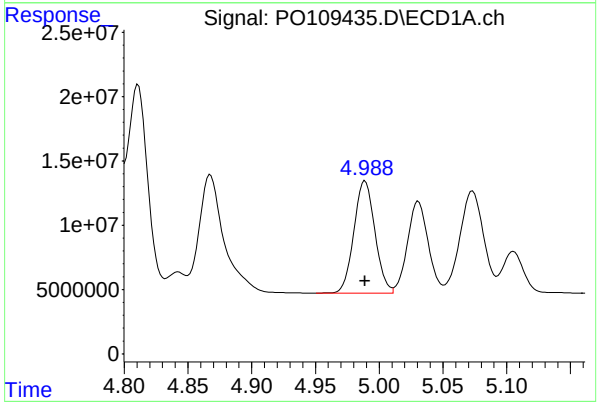
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 128285495
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



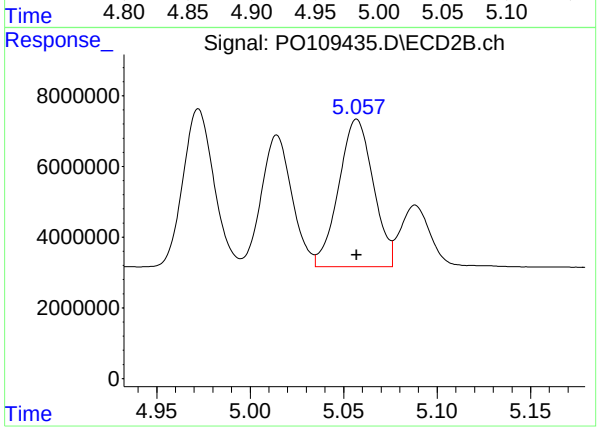
#18 AR-1242-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 51122546
Conc: 500.00 ng/ml



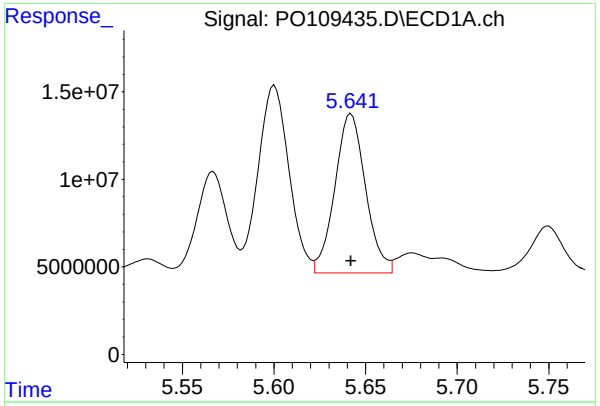
#19 AR-1242-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 100097347
Conc: 500.00 ng/ml



#19 AR-1242-4

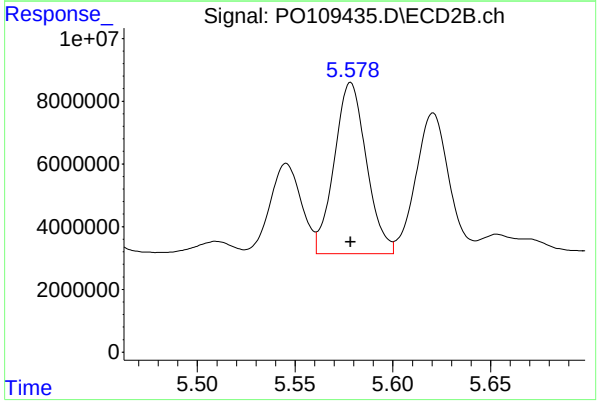
R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 53894501
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 106212027
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 62619657
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:50
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	239.2E6	132.2E6	25.321	25.168
2)	SA Decachlor...	8.755	8.706	217.2E6	81084477	26.492	26.856
	Target Compounds						
16)	L4 AR-1242-1	4.791	4.777	69551526	35357200	263.870	265.587
17)	L4 AR-1242-2	4.811	4.796	94458948	48004344	262.369	261.937
18)	L4 AR-1242-3	4.867	4.972	67985441	26922985	264.977	263.318
19)	L4 AR-1242-4	4.988	5.056	52548713	28834607	262.488	267.510
20)	L4 AR-1242-5	5.642	5.578	58079362	33950495	273.412	271.085

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

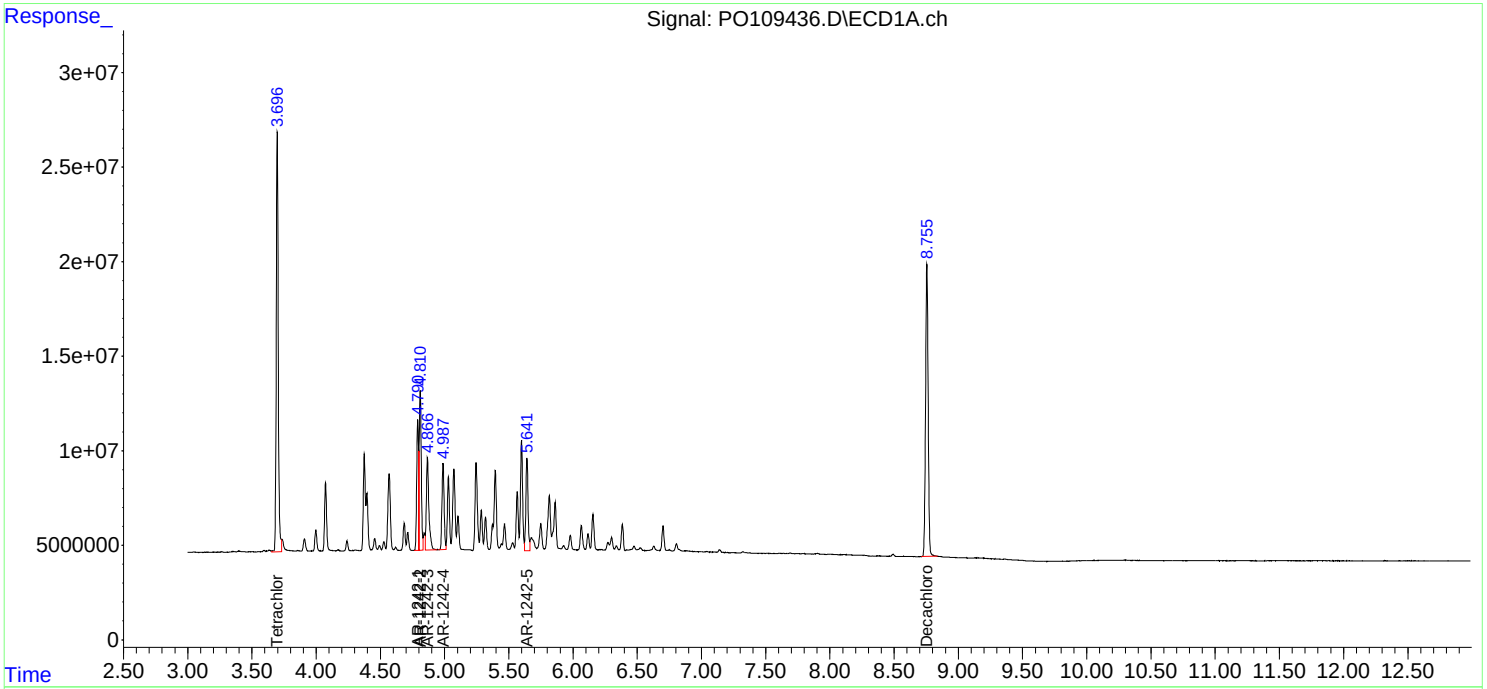
ICAL Form

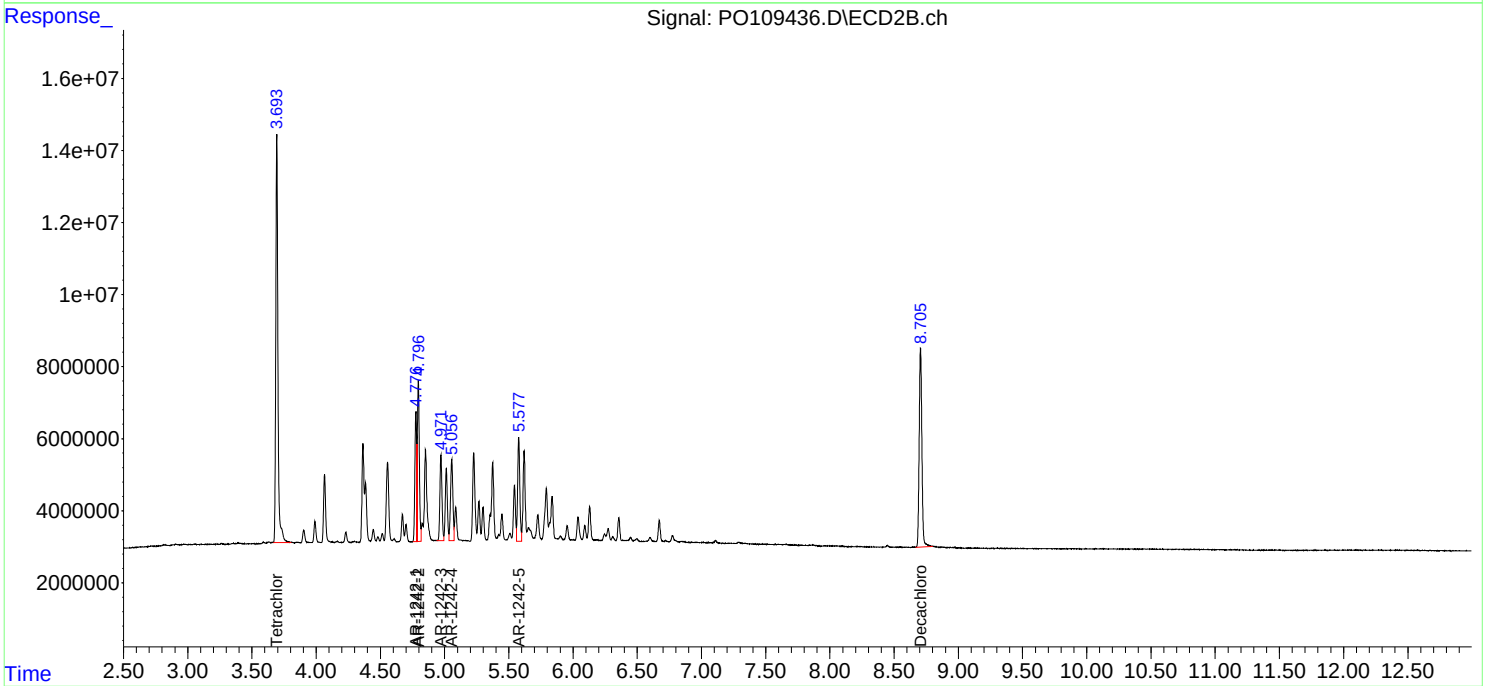
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 19:50
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

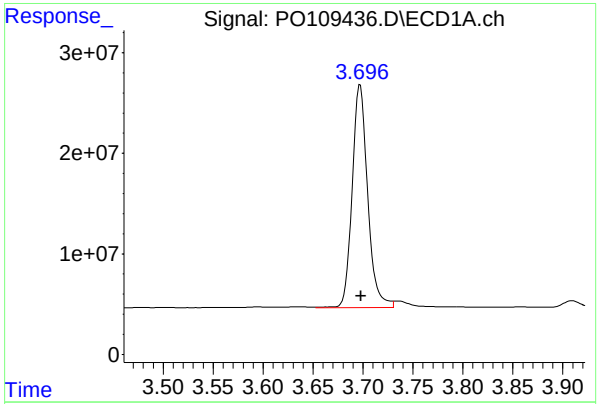
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



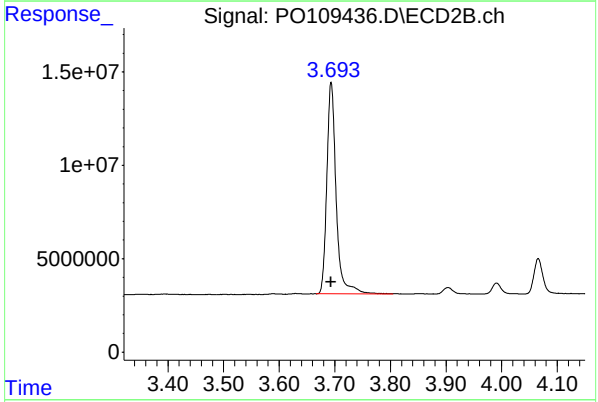




#1 Tetrachloro-m-xylene

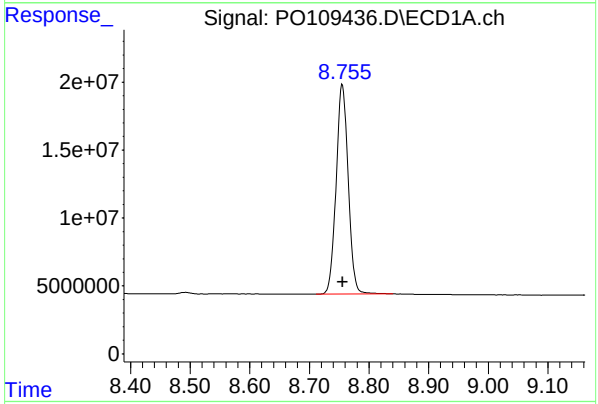
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 239201449
Conc: 25.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



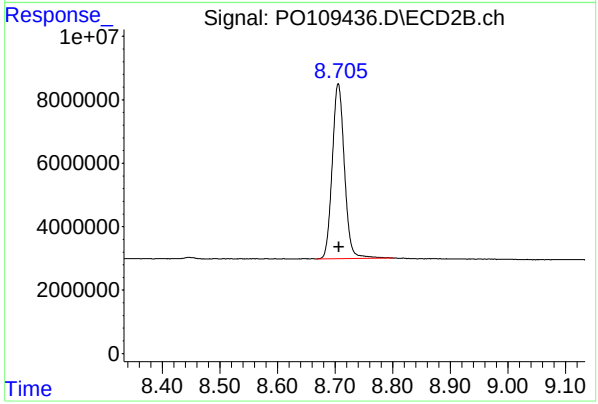
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 132236207
Conc: 25.17 ng/ml



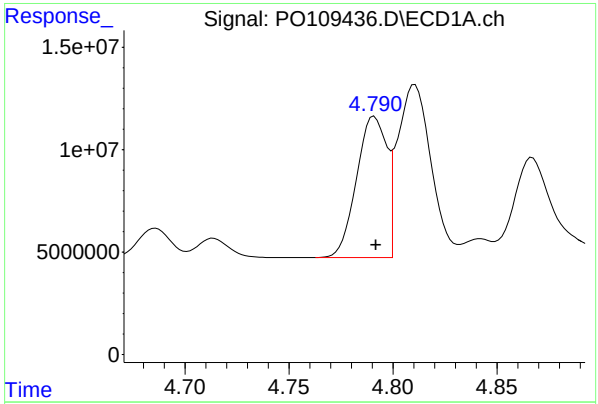
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 217158303
Conc: 26.49 ng/ml



#2 Decachlorobiphenyl

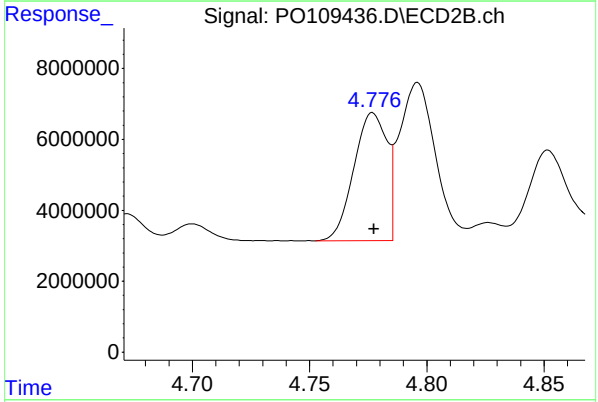
R.T.: 8.706 min
Delta R.T.: -0.001 min
Response: 81084477
Conc: 26.86 ng/ml



#16 AR-1242-1

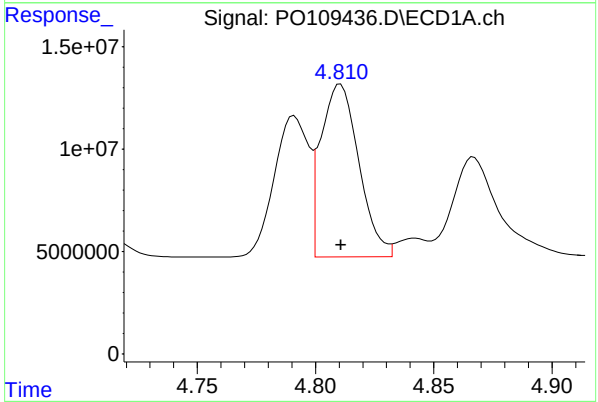
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 69551526
Conc: 263.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



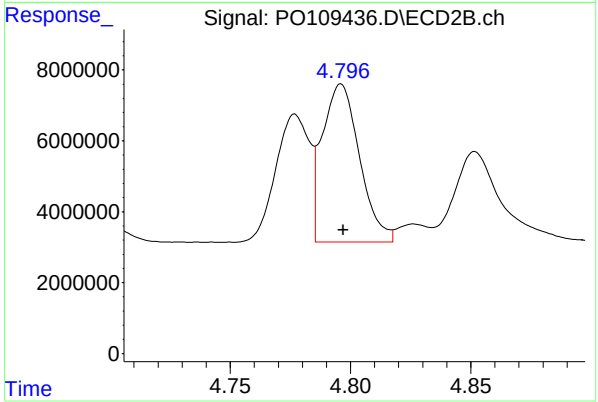
#16 AR-1242-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 35357200
Conc: 265.59 ng/ml



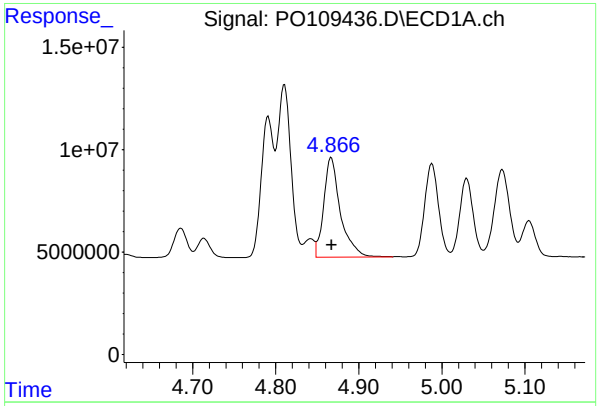
#17 AR-1242-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 94458948
Conc: 262.37 ng/ml



#17 AR-1242-2

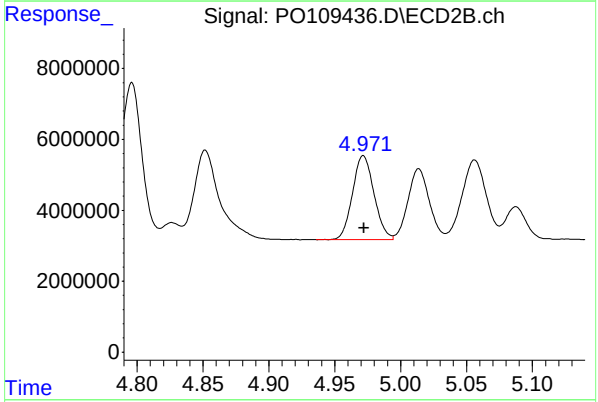
R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 48004344
Conc: 261.94 ng/ml



#18 AR-1242-3

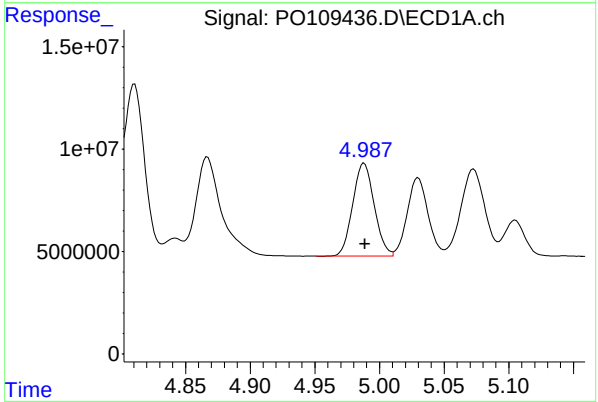
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 67985441
Conc: 264.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



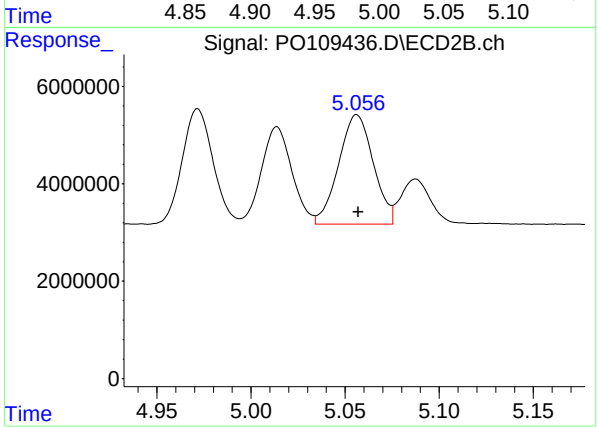
#18 AR-1242-3

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 26922985
Conc: 263.32 ng/ml



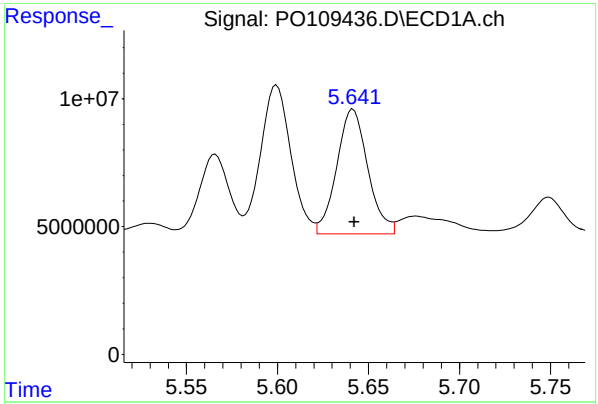
#19 AR-1242-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 52548713
Conc: 262.49 ng/ml



#19 AR-1242-4

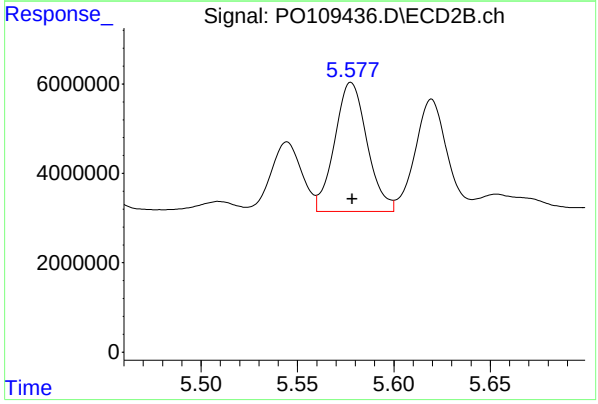
R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 28834607
Conc: 267.51 ng/ml



#20 AR-1242-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 58079362
Conc: 273.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 33950495
Conc: 271.08 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:08
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

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 02:28:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.693	45284325	24258325	4.794	4.617
2)	SA Decachlor...	8.755	8.706	43522830	16219813	5.310	5.372
	Target Compounds						
16)	L4 AR-1242-1	4.792	4.777	13835003	7073196	52.488	53.131
17)	L4 AR-1242-2	4.811	4.796	18548986	9458809	51.522	51.612
18)	L4 AR-1242-3	4.867	4.971	12898843	4970561	50.274	48.614
19)	L4 AR-1242-4	4.988	5.055	10088199	5702832	50.392	52.907
20)	L4 AR-1242-5	5.641	5.577	11831514	6828665	55.698m	54.525m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:08
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

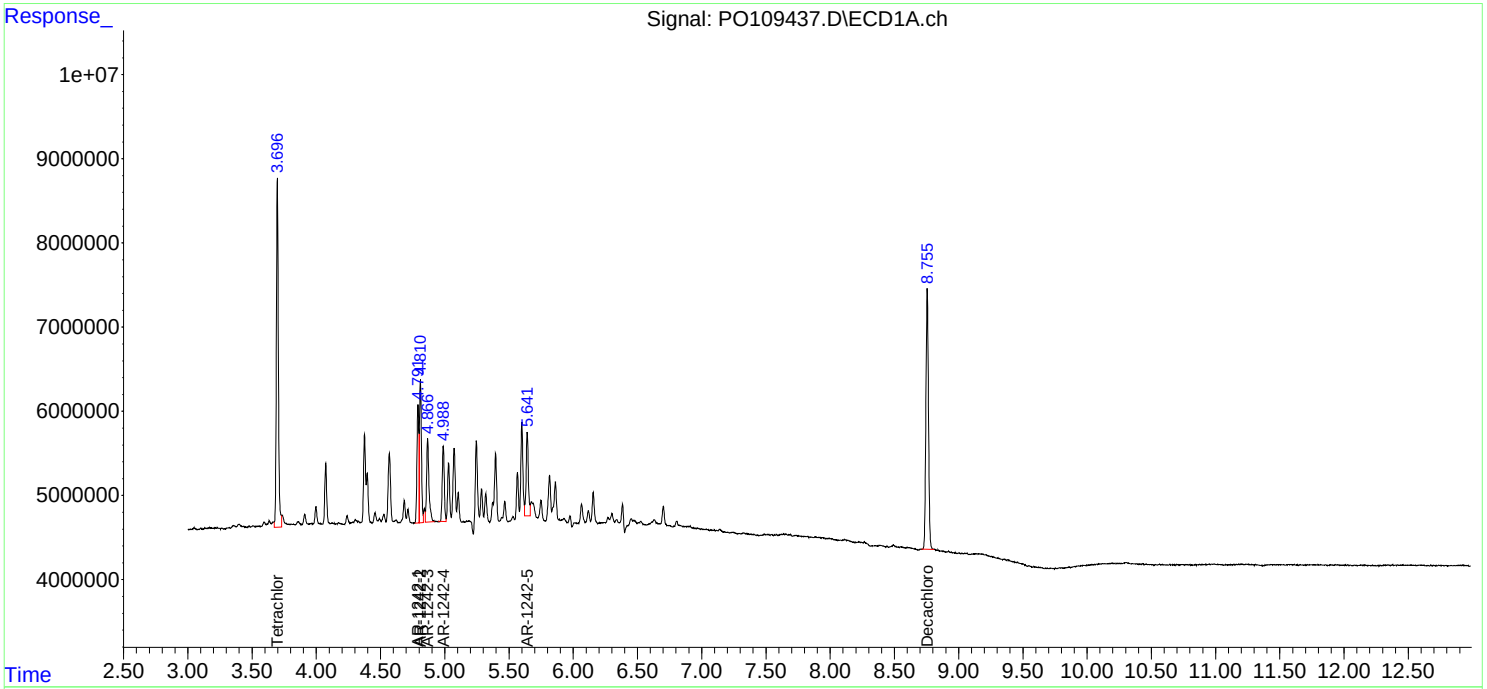
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

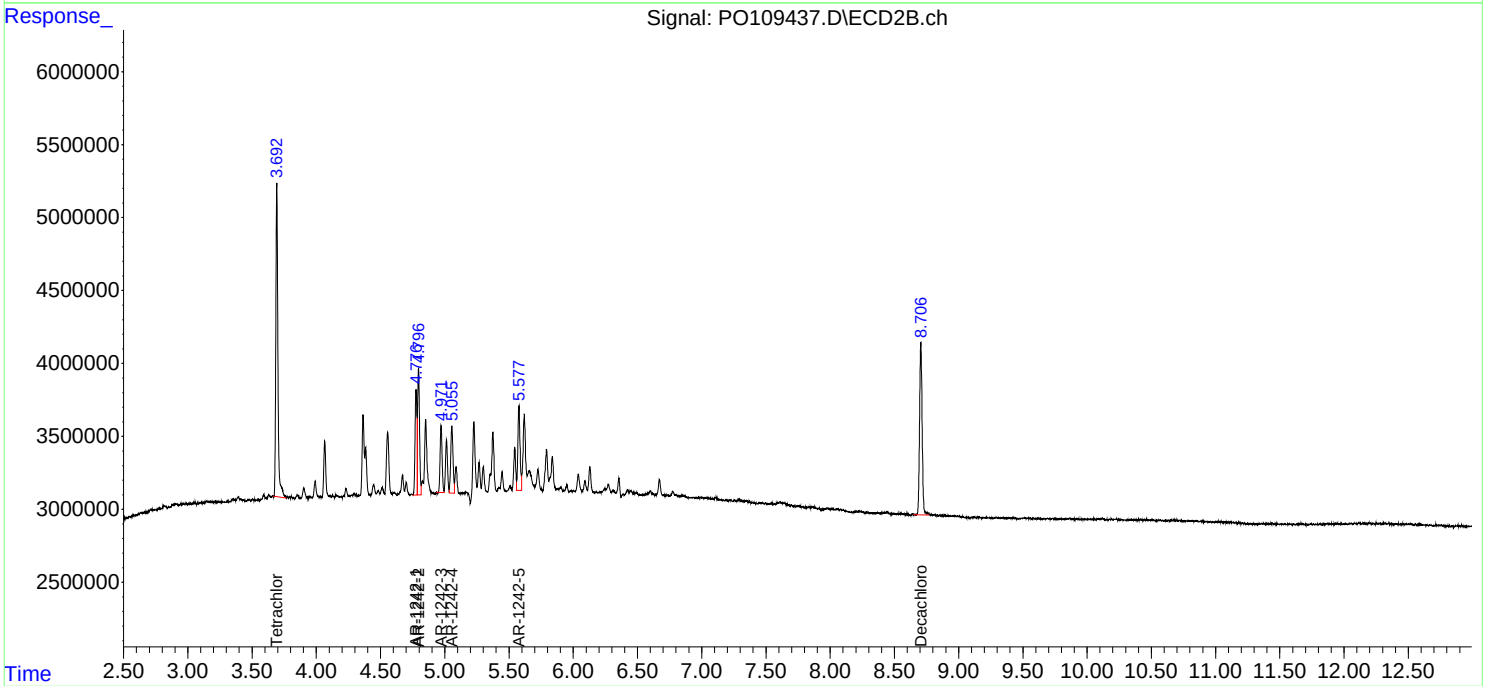
Manual Integrations APPROVED

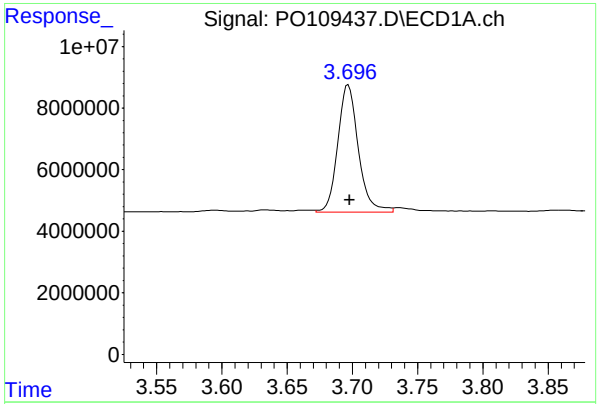
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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







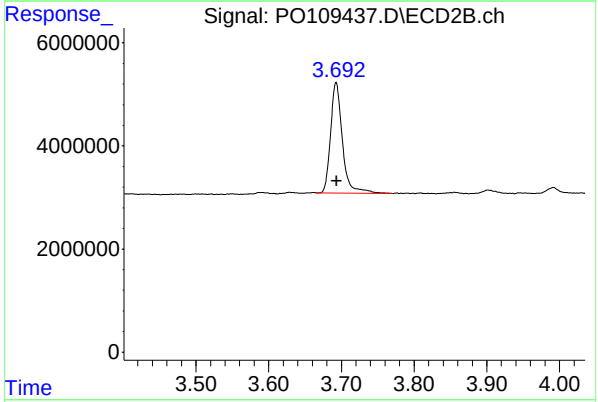
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.001 min
Response: 45284325
Conc: 4.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

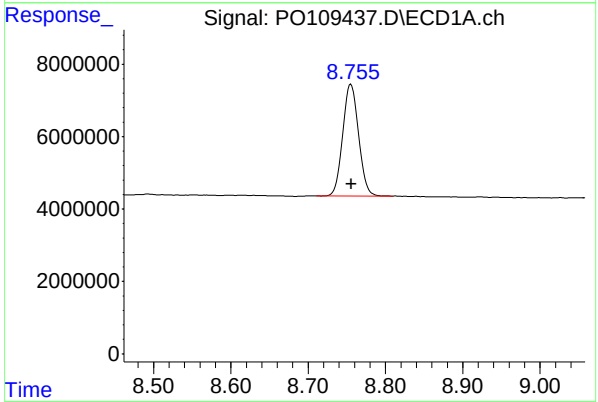
Manual Integrations APPROVED

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



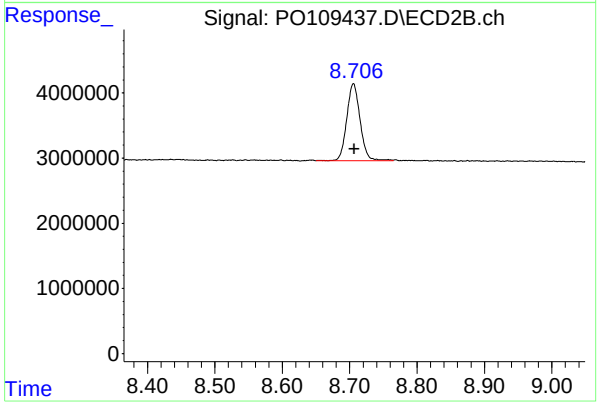
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 24258325
Conc: 4.62 ng/ml



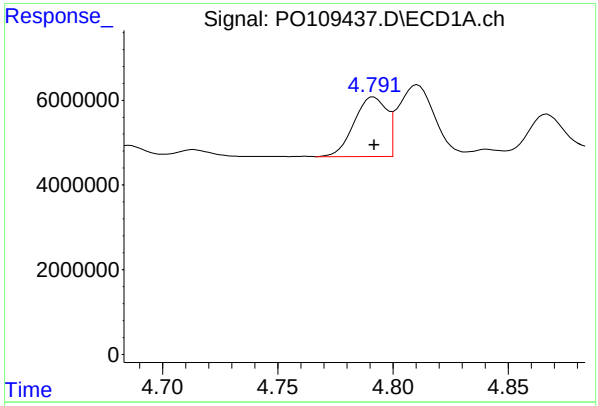
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 43522830
Conc: 5.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.706 min
Delta R.T.: -0.001 min
Response: 16219813
Conc: 5.37 ng/ml



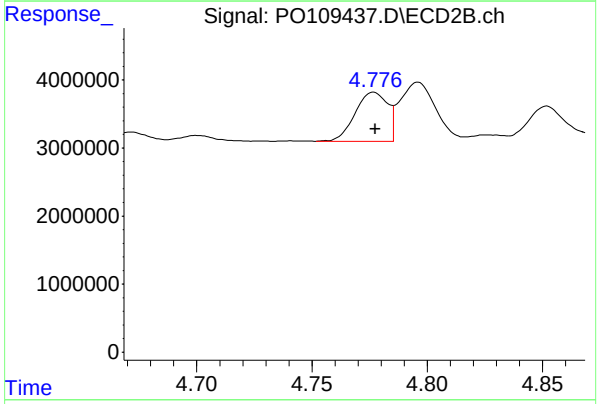
#16 AR-1242-1

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 13835003
Conc: 52.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

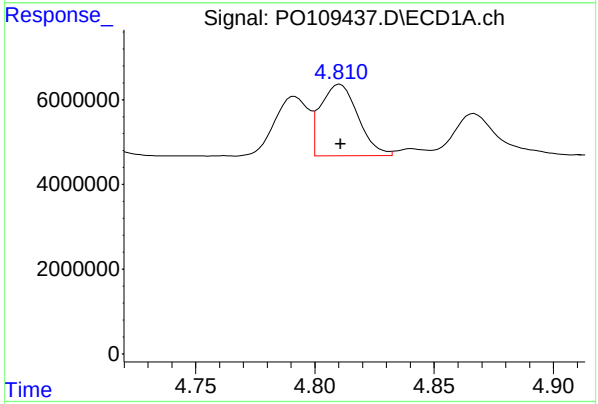
Manual Integrations APPROVED

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



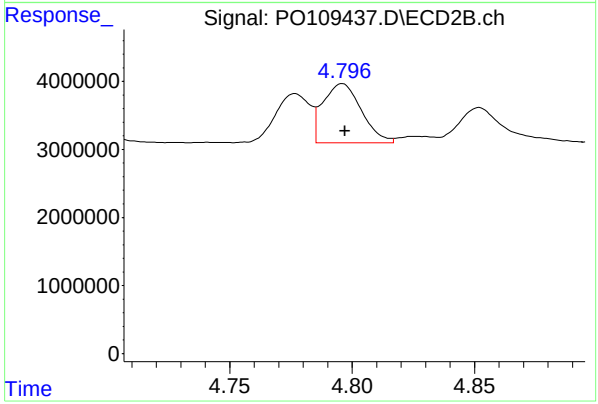
#16 AR-1242-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 7073196
Conc: 53.13 ng/ml



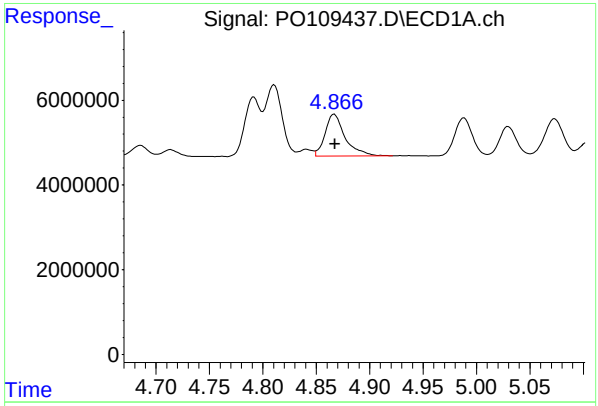
#17 AR-1242-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 18548986
Conc: 51.52 ng/ml



#17 AR-1242-2

R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 9458809
Conc: 51.61 ng/ml



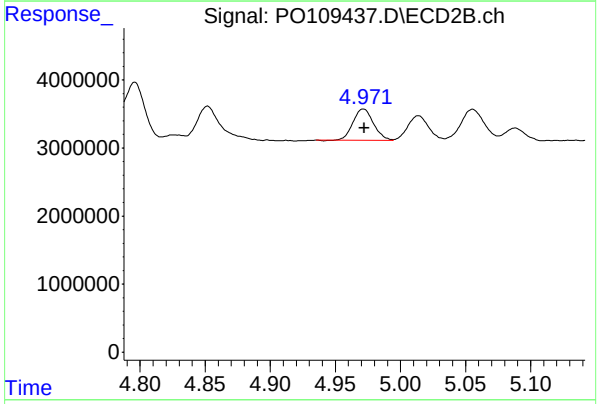
#18 AR-1242-3

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 12898843
Conc: 50.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

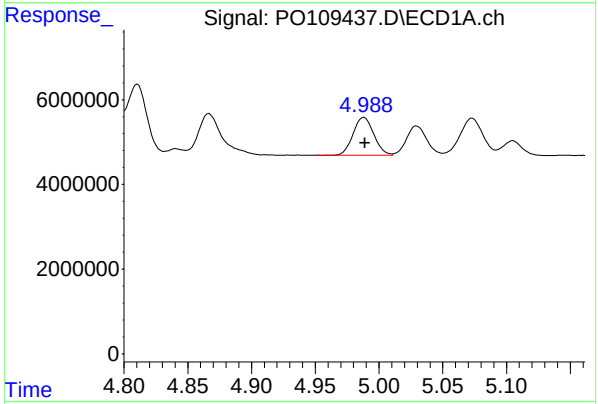
Manual Integrations APPROVED

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



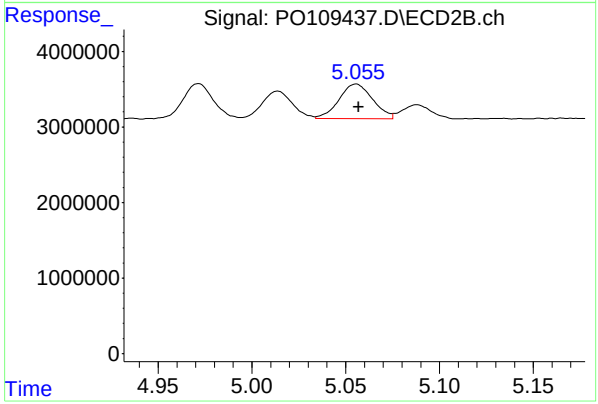
#18 AR-1242-3

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 4970561
Conc: 48.61 ng/ml



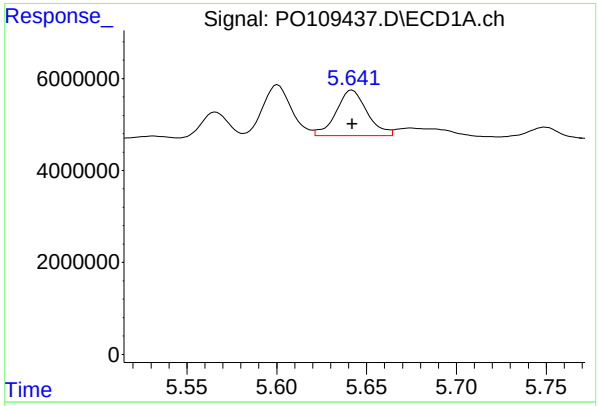
#19 AR-1242-4

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 10088199
Conc: 50.39 ng/ml



#19 AR-1242-4

R.T.: 5.055 min
Delta R.T.: -0.002 min
Response: 5702832
Conc: 52.91 ng/ml



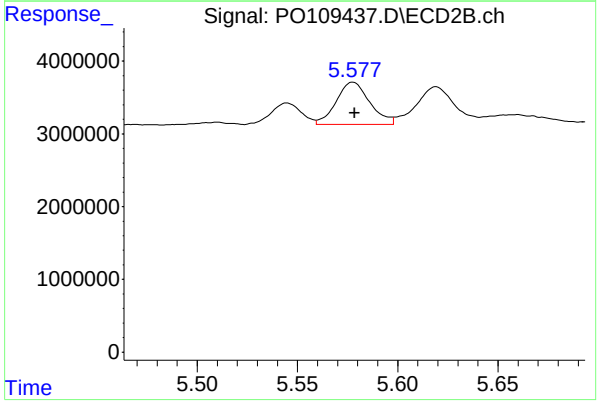
#20 AR-1242-5

R.T.: 5.641 min
Delta R.T.: 0.000 mi
Response: 11831514
Conc: 55.70 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

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



#20 AR-1242-5

R.T.: 5.577 min
Delta R.T.: -0.001 min
Response: 6828665
Conc: 54.52 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:26
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:45:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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...	3.697	3.694	915.4E6	495.5E6	93.761	94.908
2)	SA Decachlor...	8.755	8.706	770.4E6	279.0E6	92.405	91.836
	Target Compounds						
21)	L5 AR-1248-1	4.791	4.777	183.4E6	91256927	912.814	905.620
22)	L5 AR-1248-2	5.030	5.014	249.5E6	130.6E6	885.902	891.678
23)	L5 AR-1248-3	5.246	5.057	313.6E6	139.3E6	905.924	894.551
24)	L5 AR-1248-4	5.600	5.228	440.0E6	163.9E6	918.126	908.733
25)	L5 AR-1248-5	5.642	5.620	310.5E6	154.4E6	919.575	910.254

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

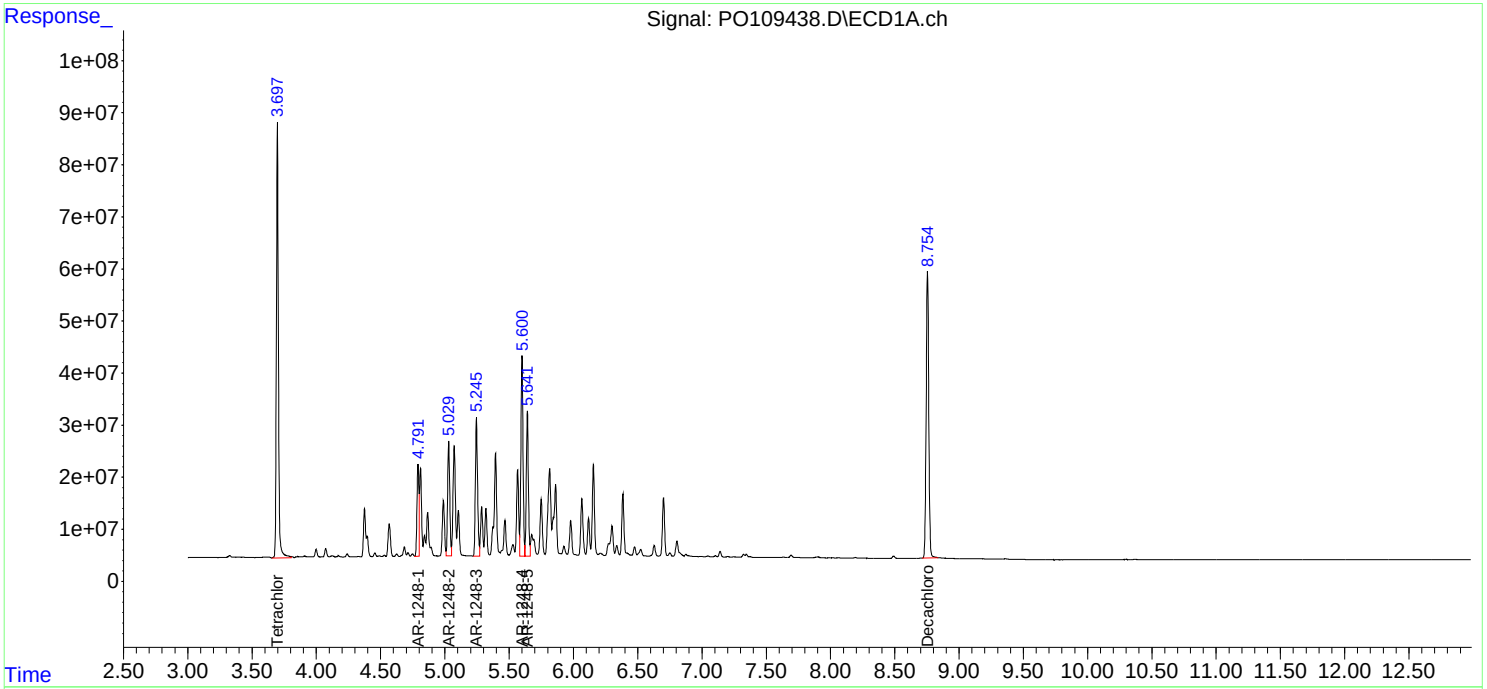
ICAL Form

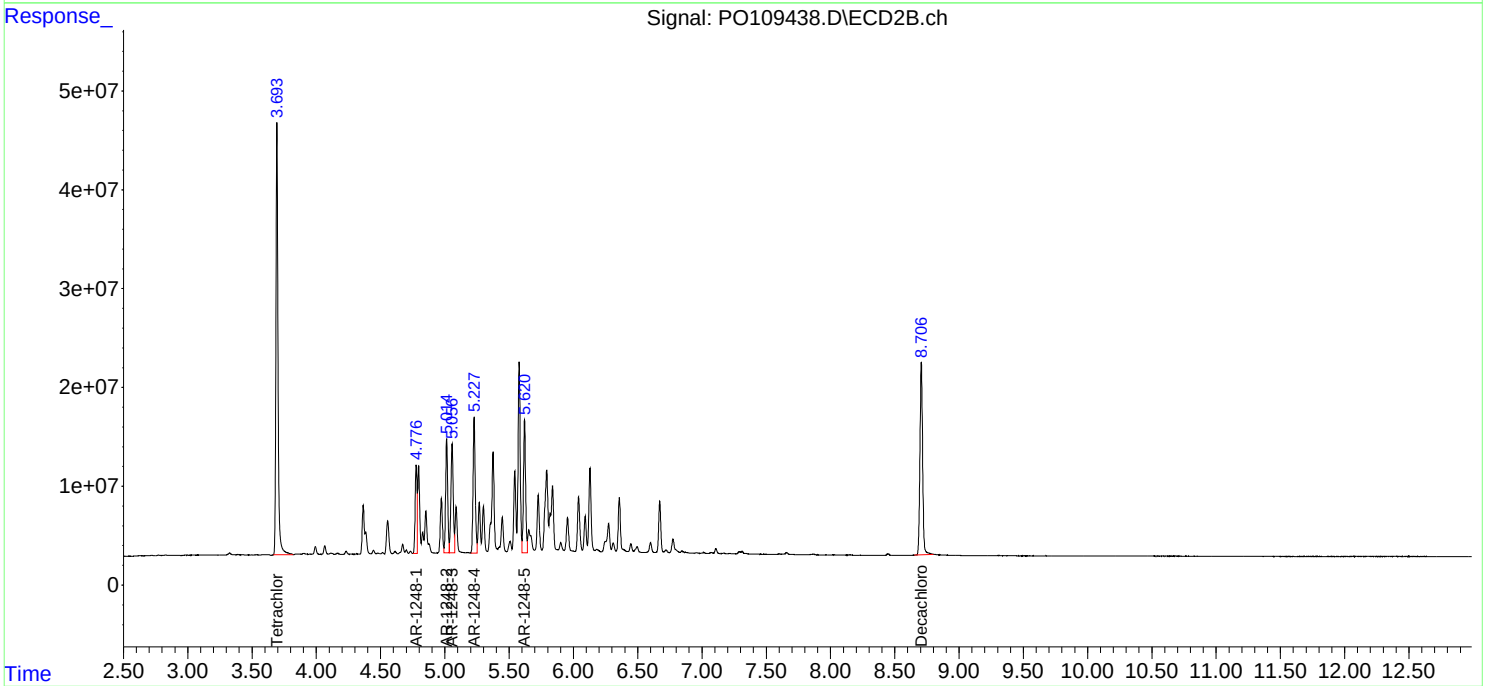
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:26
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

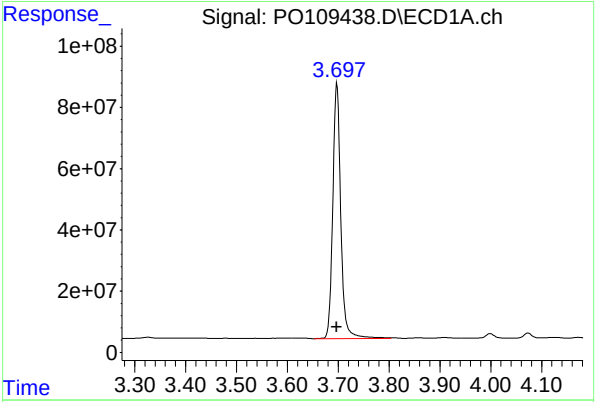
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:45:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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



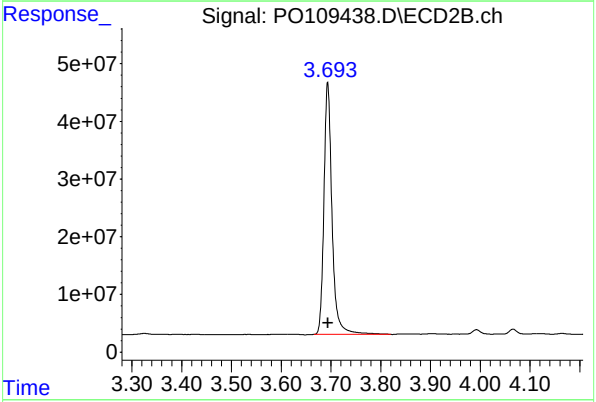




#1 Tetrachloro-m-xylene

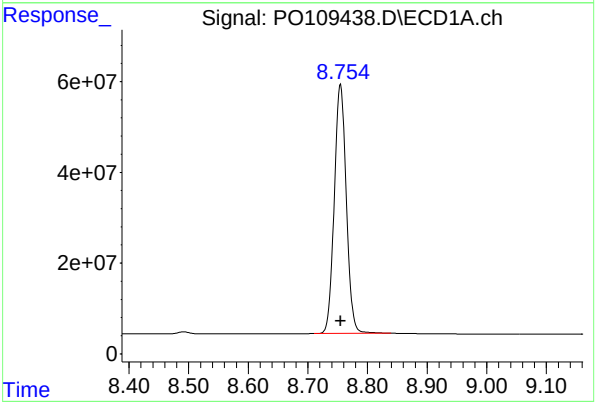
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 915437477
Conc: 93.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



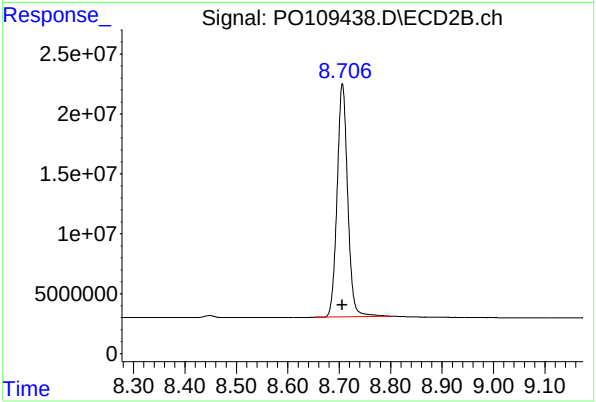
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 495529316
Conc: 94.91 ng/ml



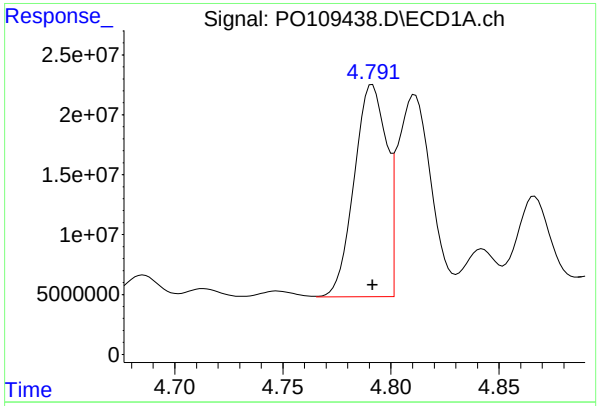
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 770395990
Conc: 92.41 ng/ml



#2 Decachlorobiphenyl

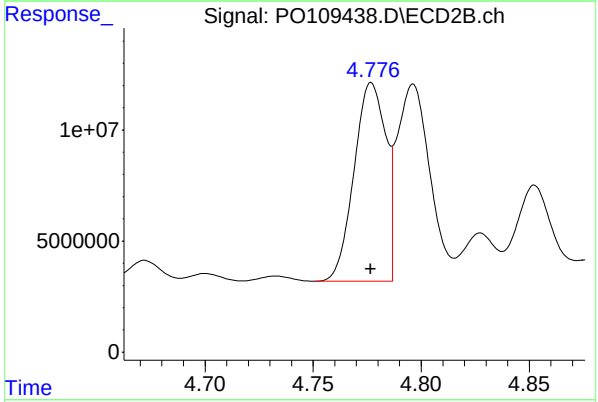
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 279048870
Conc: 91.84 ng/ml



#21 AR-1248-1

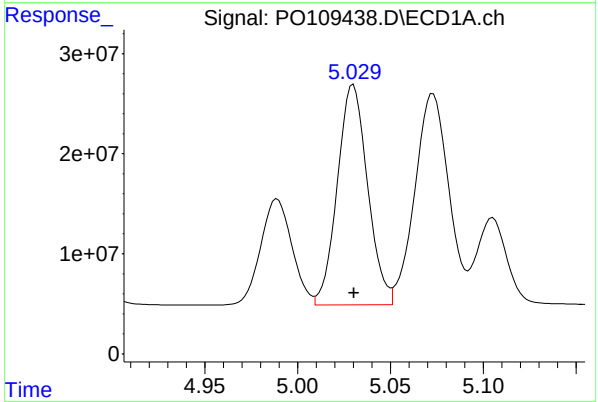
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 183385441
Conc: 912.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



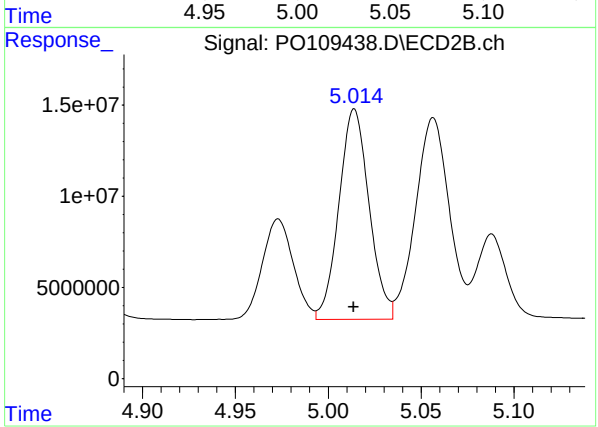
#21 AR-1248-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 91256927
Conc: 905.62 ng/ml



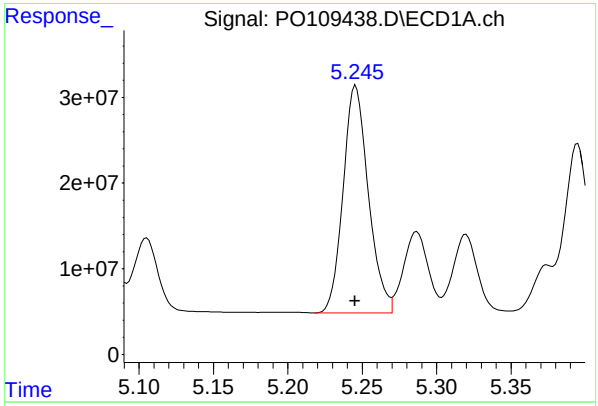
#22 AR-1248-2

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 249519113
Conc: 885.90 ng/ml



#22 AR-1248-2

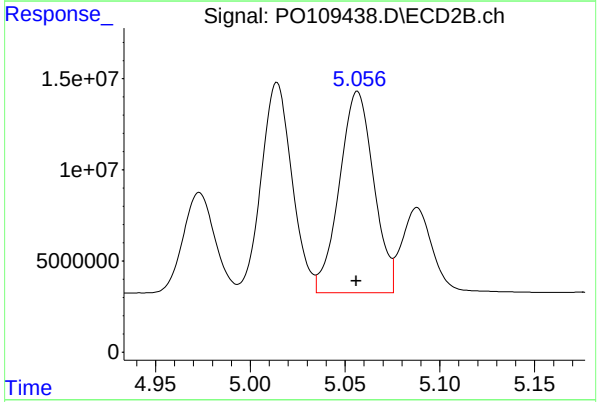
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 130560541
Conc: 891.68 ng/ml



#23 AR-1248-3

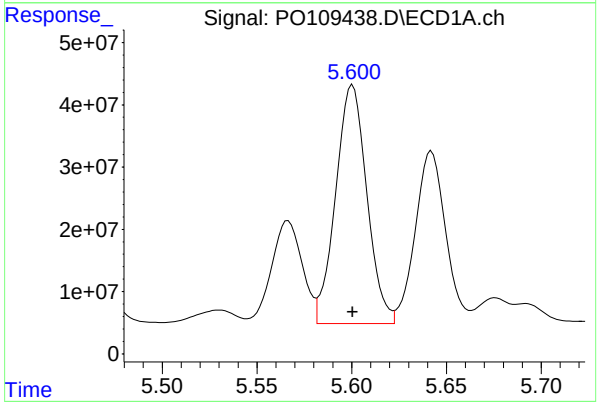
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 313646829
Conc: 905.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



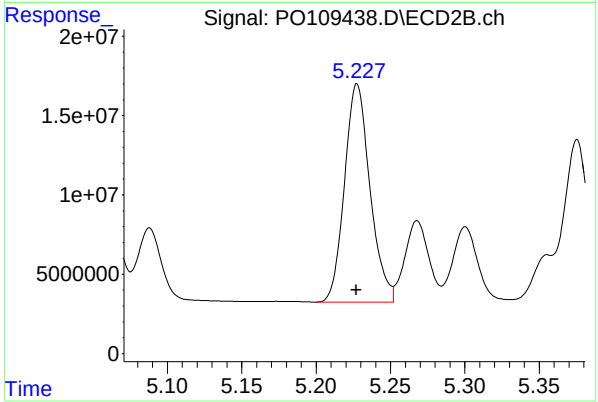
#23 AR-1248-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 139283148
Conc: 894.55 ng/ml



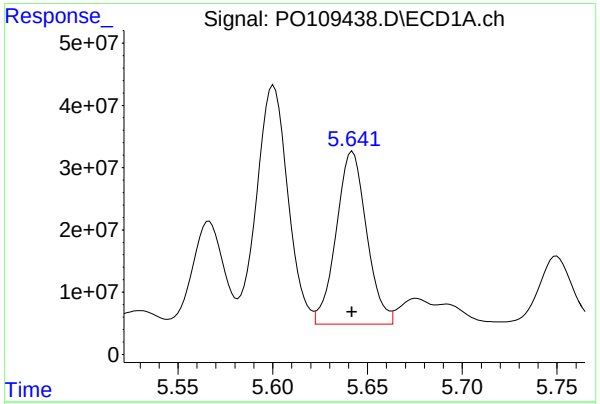
#24 AR-1248-4

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 439951399
Conc: 918.13 ng/ml



#24 AR-1248-4

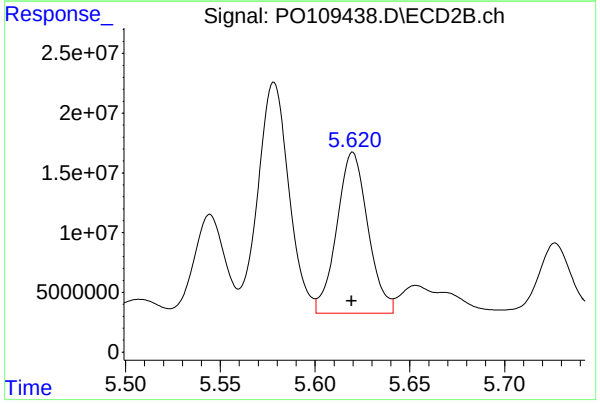
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 163903044
Conc: 908.73 ng/ml



#25 AR-1248-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 310476659
Conc: 919.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 154356880
Conc: 910.25 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:45
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:48:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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...	3.697	3.693	699.0E6	378.0E6	71.591	72.405
2)	SA Decachlor...	8.755	8.706	593.5E6	215.5E6	71.185	70.928
	Target Compounds						
21)	L5 AR-1248-1	4.791	4.777	141.9E6	70604671	706.516	700.670
22)	L5 AR-1248-2	5.030	5.014	196.7E6	102.5E6	698.273	699.925
23)	L5 AR-1248-3	5.245	5.056	243.5E6	108.7E6	703.429	697.958
24)	L5 AR-1248-4	5.600	5.227	339.5E6	127.1E6	708.585	704.454
25)	L5 AR-1248-5	5.642	5.619	238.9E6	118.8E6	707.520	700.785

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

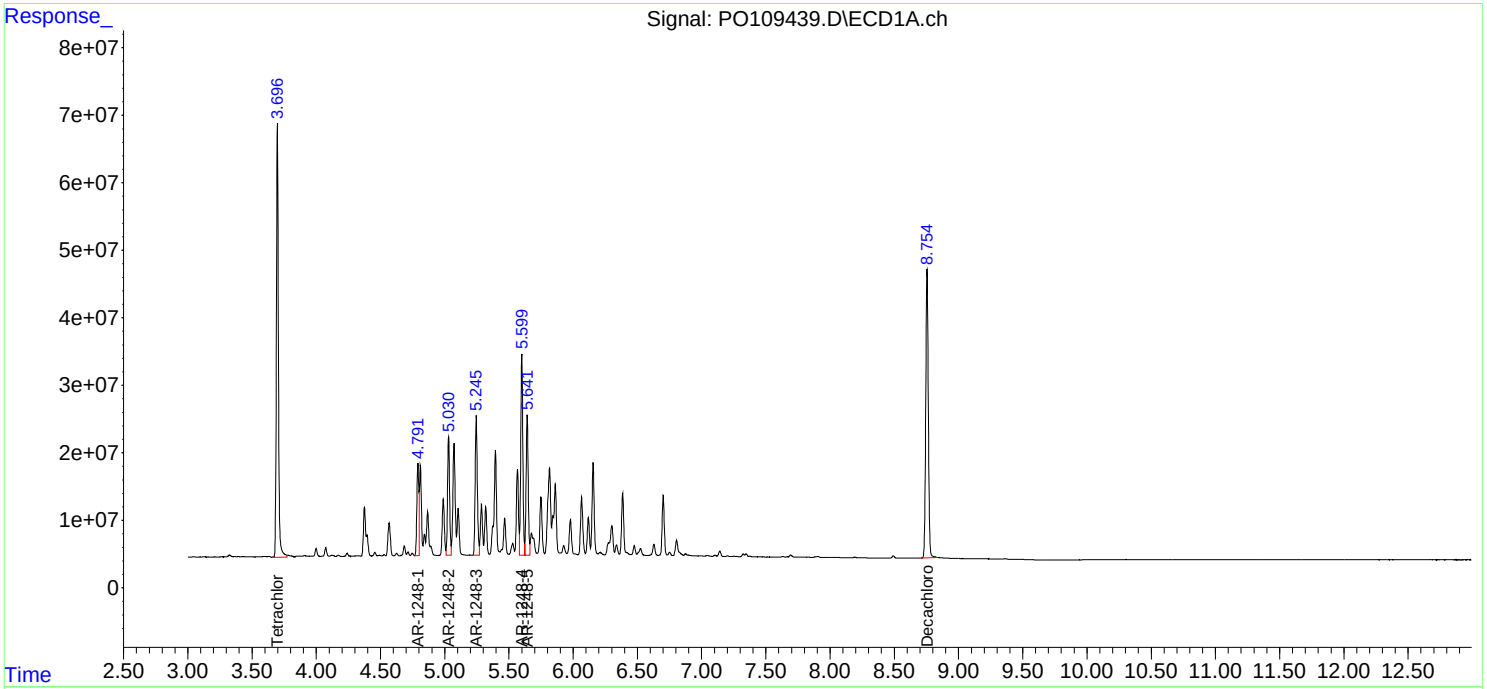
ICAL Form

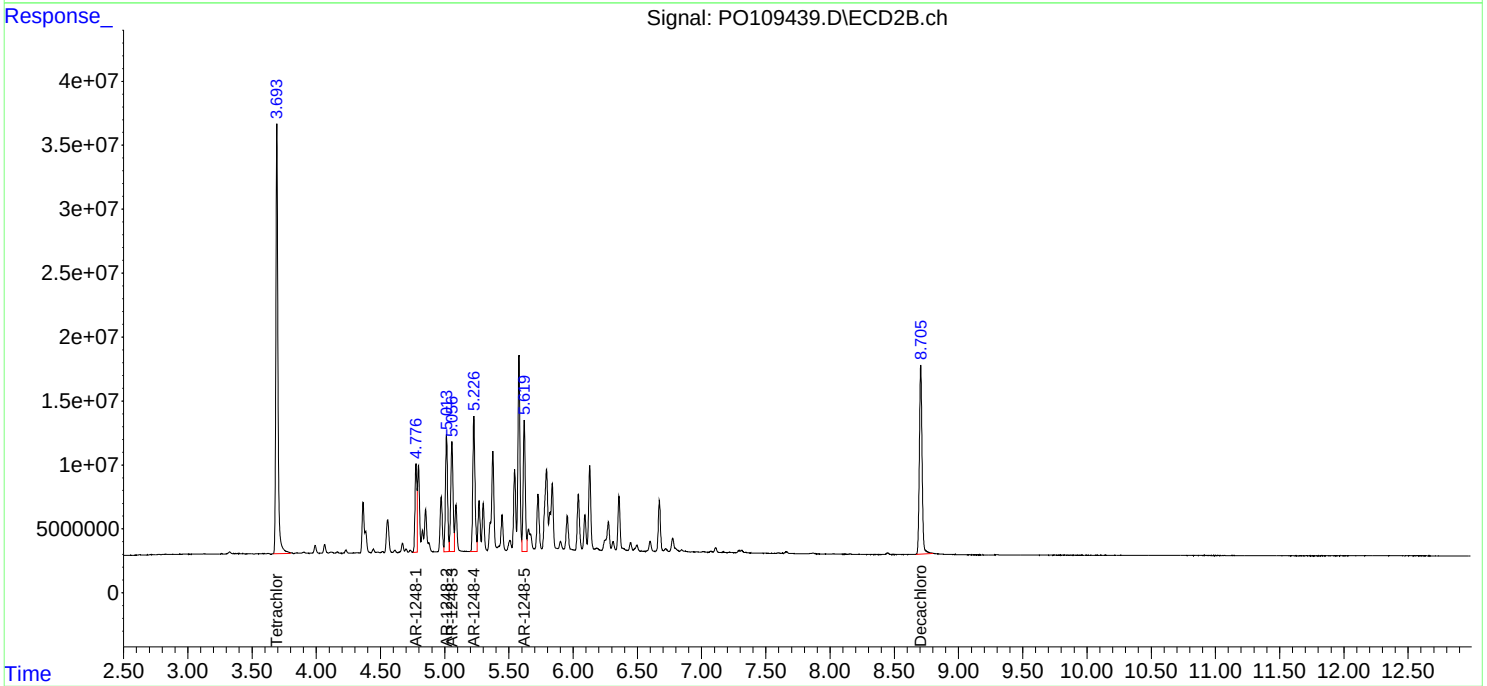
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 20:45
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

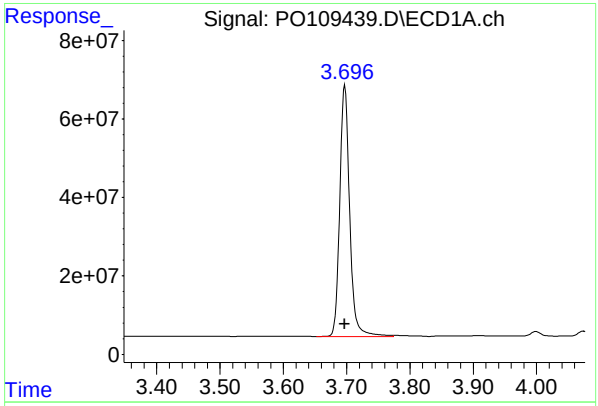
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:48:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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



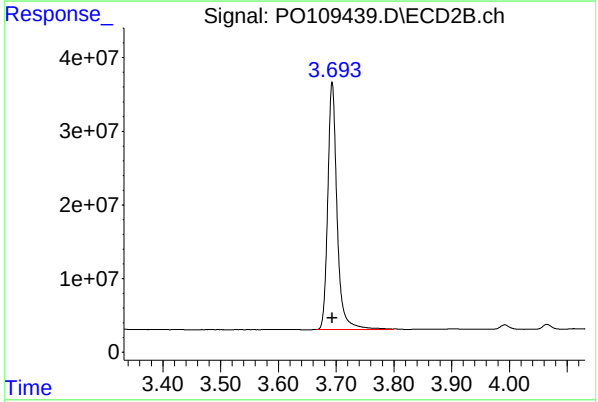




#1 Tetrachloro-m-xylene

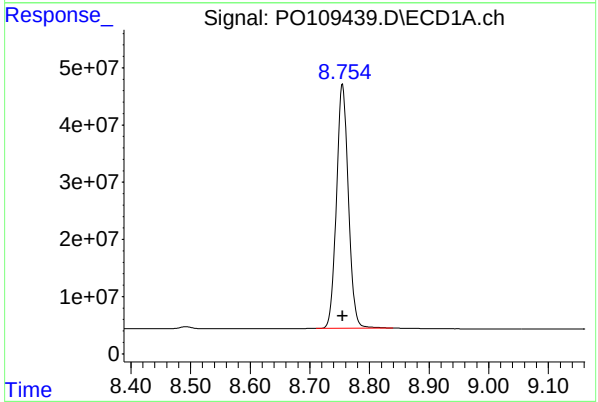
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 698977994
Conc: 71.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



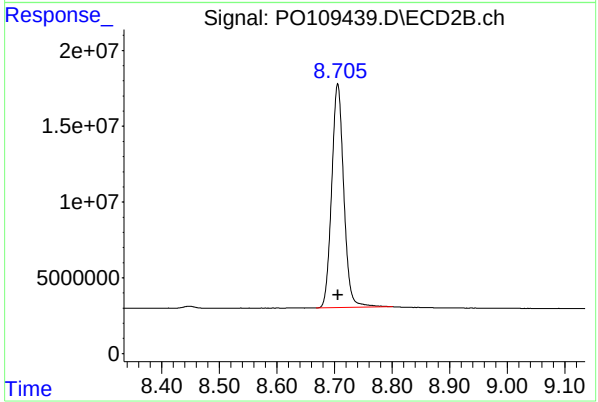
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 378035131
Conc: 72.40 ng/ml



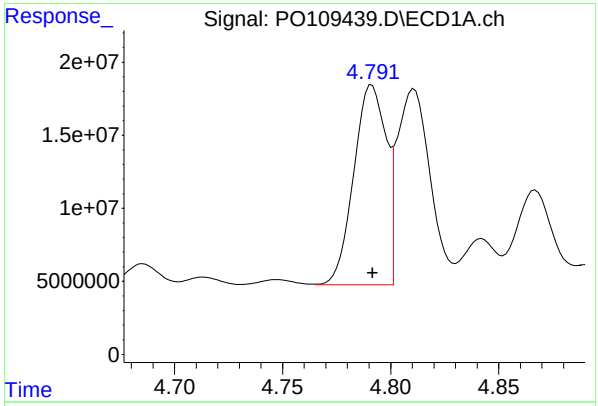
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 593478282
Conc: 71.18 ng/ml



#2 Decachlorobiphenyl

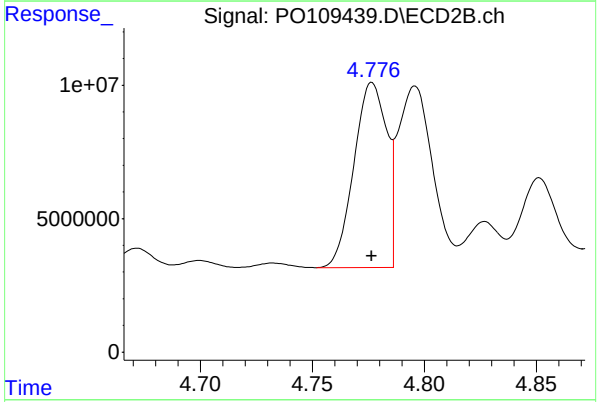
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 215521010
Conc: 70.93 ng/ml



#21 AR-1248-1

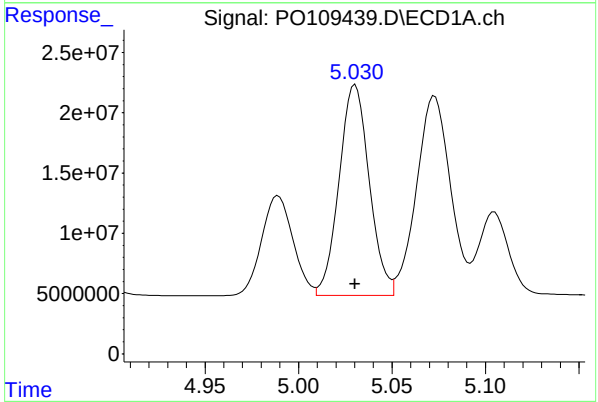
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 141940078
Conc: 706.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



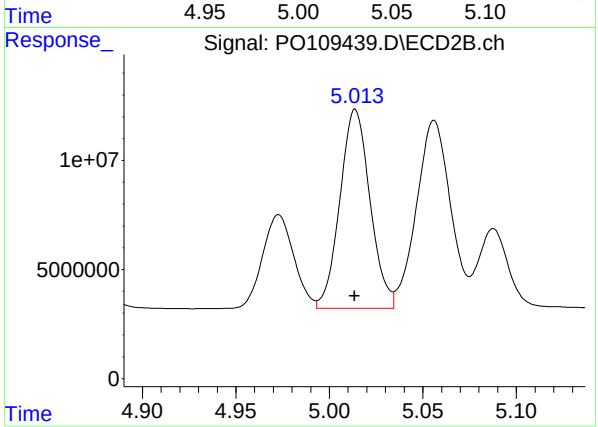
#21 AR-1248-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 70604671
Conc: 700.67 ng/ml



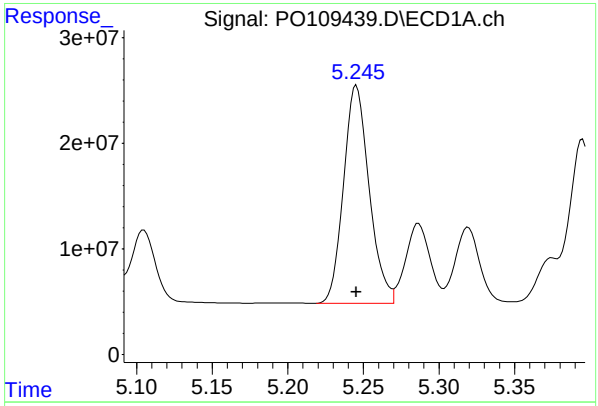
#22 AR-1248-2

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 196672477
Conc: 698.27 ng/ml



#22 AR-1248-2

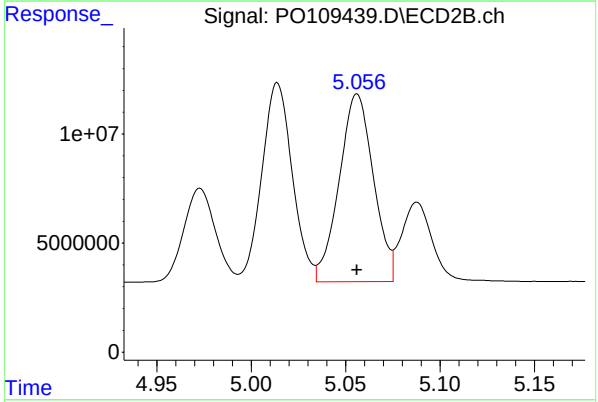
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 102483853
Conc: 699.93 ng/ml



#23 AR-1248-3

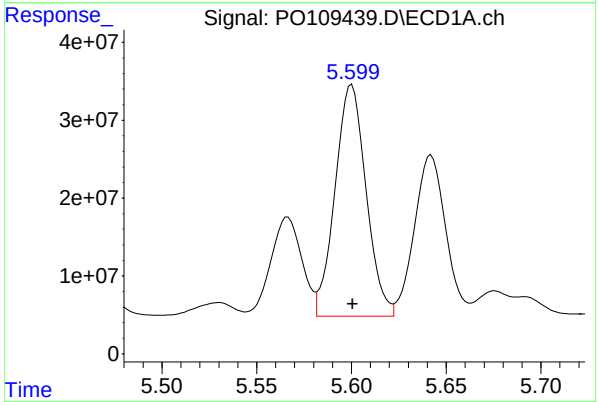
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 243539484
Conc: 703.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



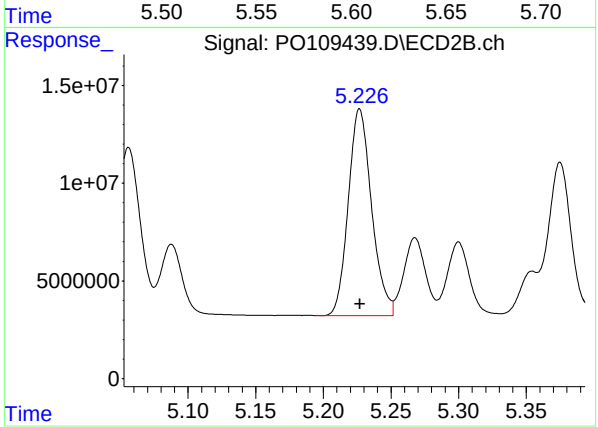
#23 AR-1248-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 108673232
Conc: 697.96 ng/ml



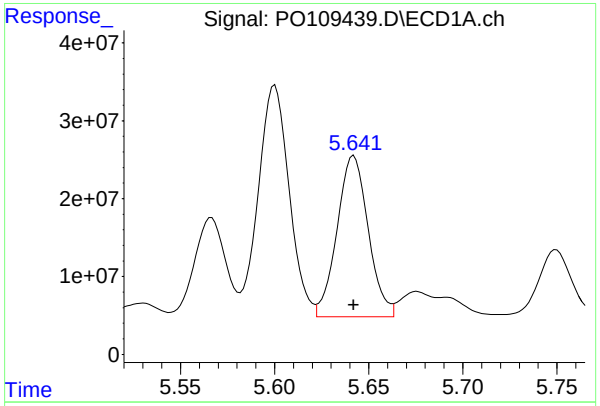
#24 AR-1248-4

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 339543028
Conc: 708.59 ng/ml



#24 AR-1248-4

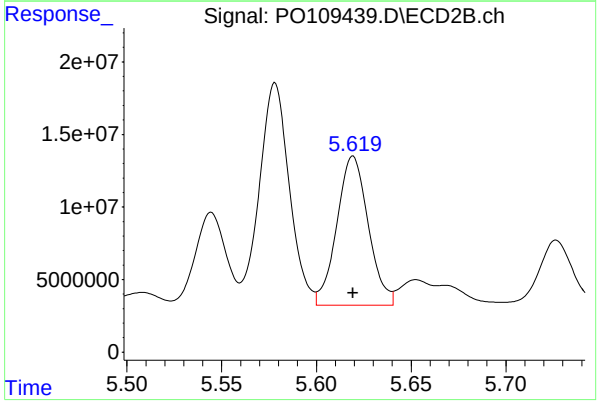
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 127058400
Conc: 704.45 ng/ml



#25 AR-1248-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 238880349
Conc: 707.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 118835997
Conc: 700.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:03
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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...	3.697	3.694	488.2E6	261.1E6	50.000	50.000
2)	SA Decachlor...	8.755	8.706	416.9E6	151.9E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.792	4.777	100.5E6	50383698	500.000	500.000
22)	L5 AR-1248-2	5.030	5.014	140.8E6	73210547	500.000	500.000
23)	L5 AR-1248-3	5.245	5.056	173.1E6	77850845	500.000	500.000
24)	L5 AR-1248-4	5.601	5.227	239.6E6	90182217	500.000	500.000
25)	L5 AR-1248-5	5.642	5.619	168.8E6	84787780	500.000	500.000

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

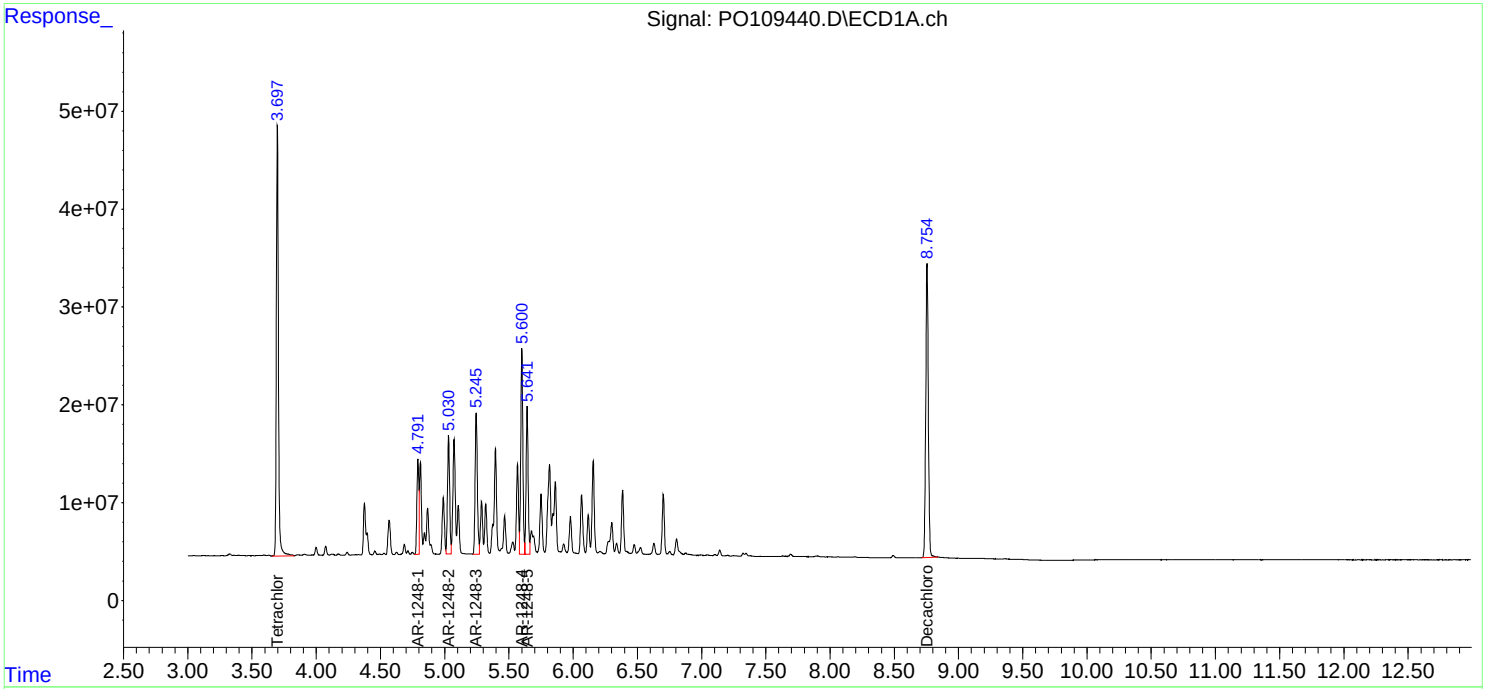
ICAL Form

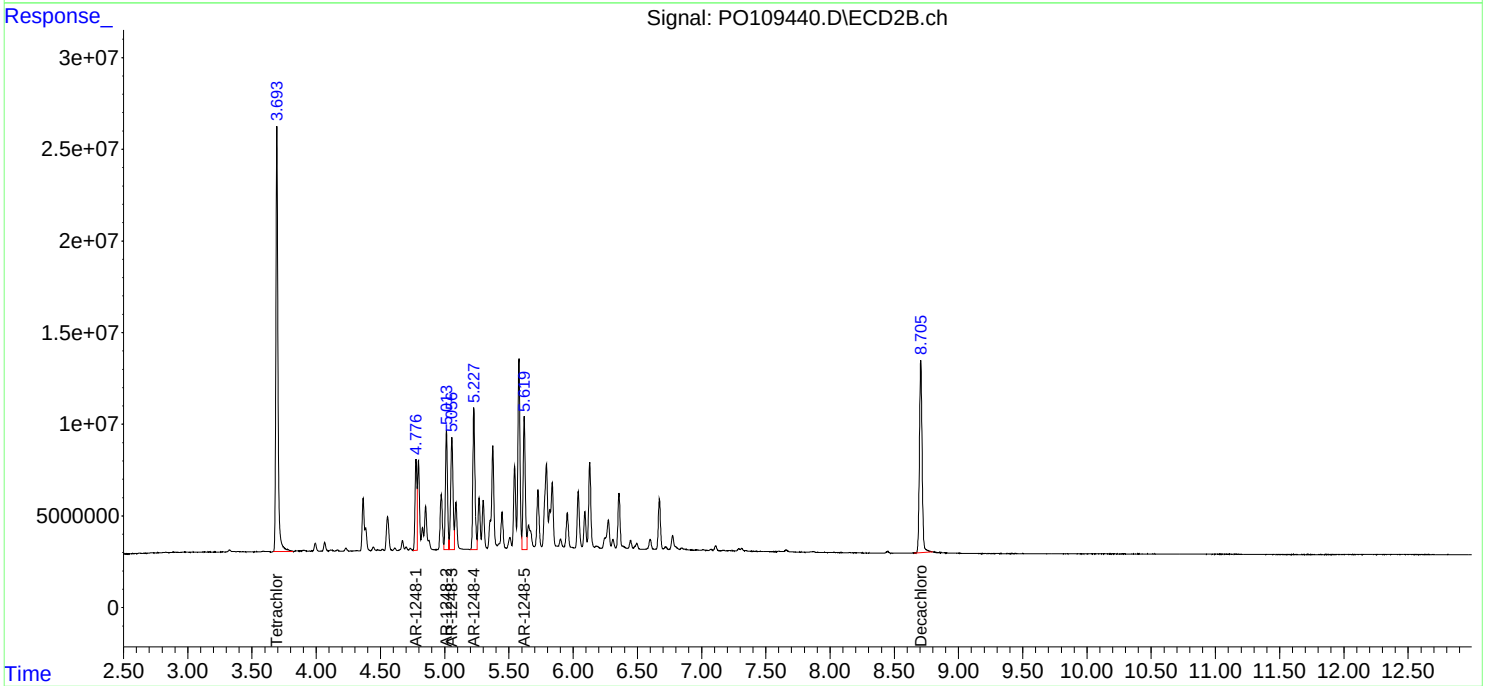
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:03
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

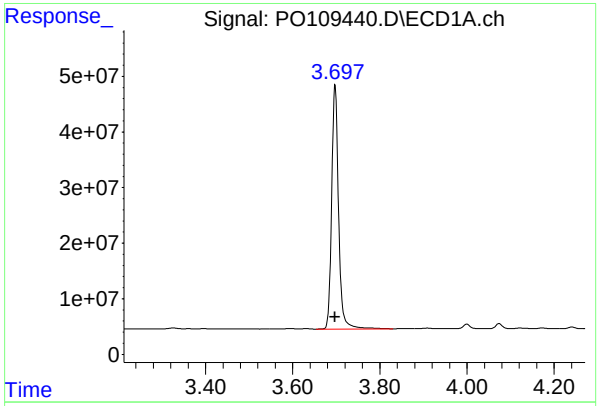
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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



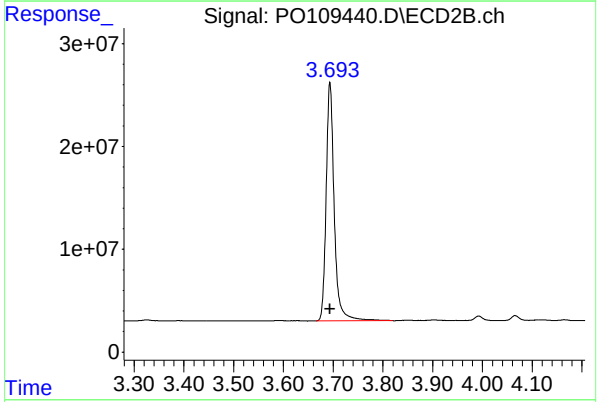




#1 Tetrachloro-m-xylene

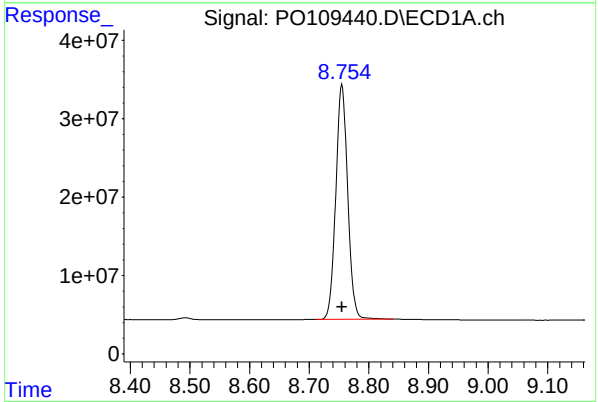
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 488176853
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



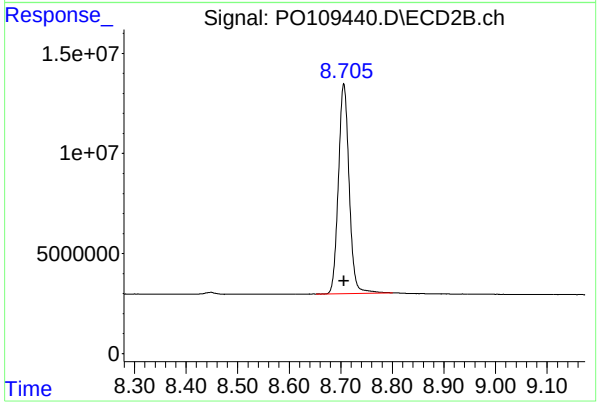
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 261056566
Conc: 50.00 ng/ml



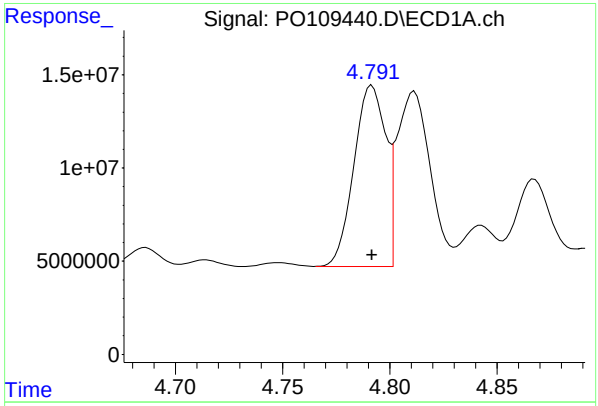
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 416856625
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

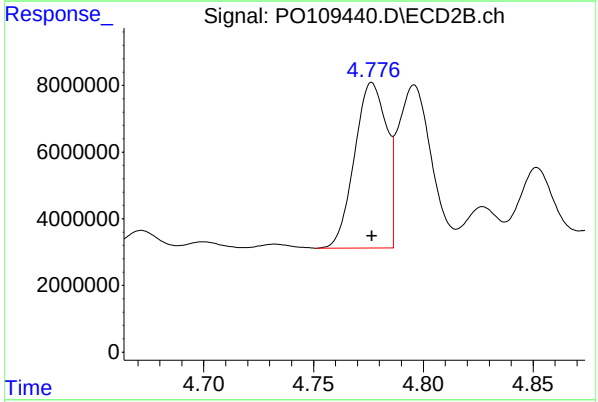
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 151928471
Conc: 50.00 ng/ml



#21 AR-1248-1

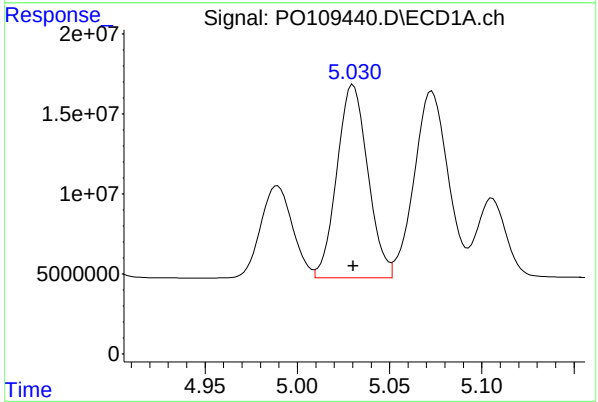
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 100450660
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



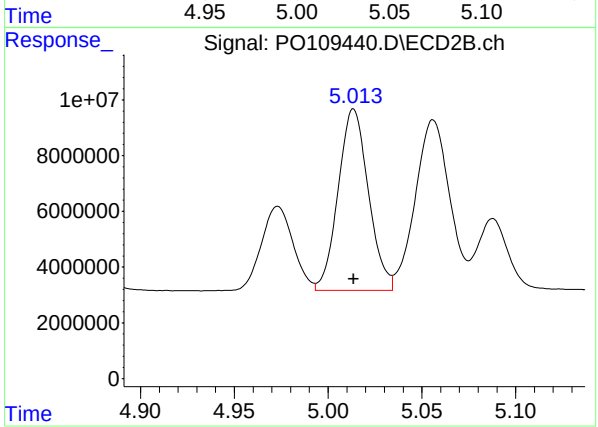
#21 AR-1248-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 50383698
Conc: 500.00 ng/ml



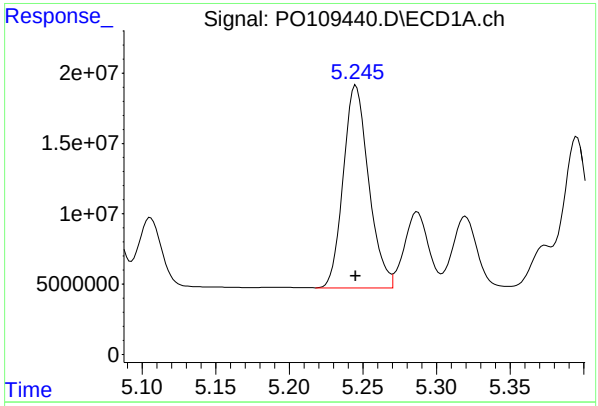
#22 AR-1248-2

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 140827755
Conc: 500.00 ng/ml



#22 AR-1248-2

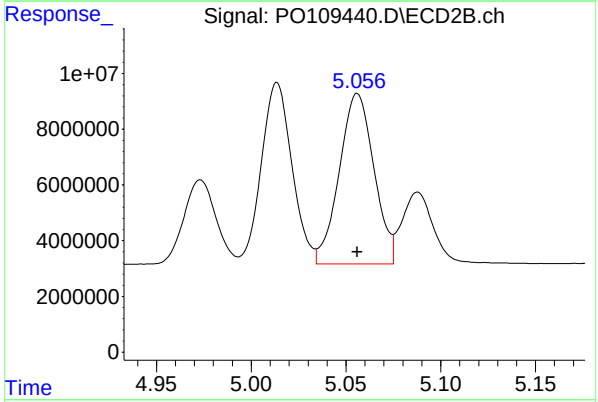
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 73210547
Conc: 500.00 ng/ml



#23 AR-1248-3

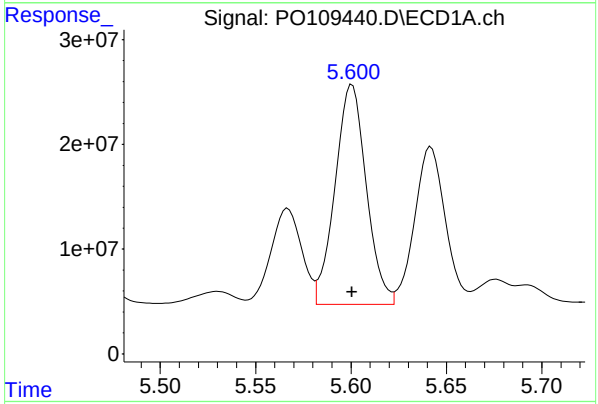
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 173108858
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



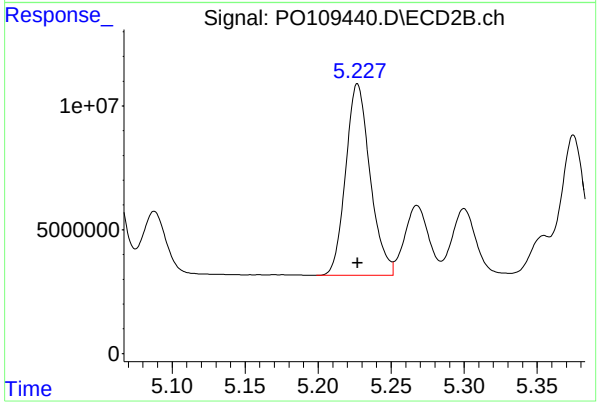
#23 AR-1248-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 77850845
Conc: 500.00 ng/ml



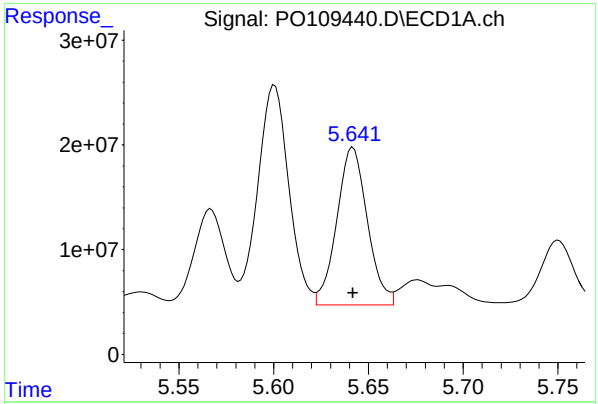
#24 AR-1248-4

R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 239592155
Conc: 500.00 ng/ml



#24 AR-1248-4

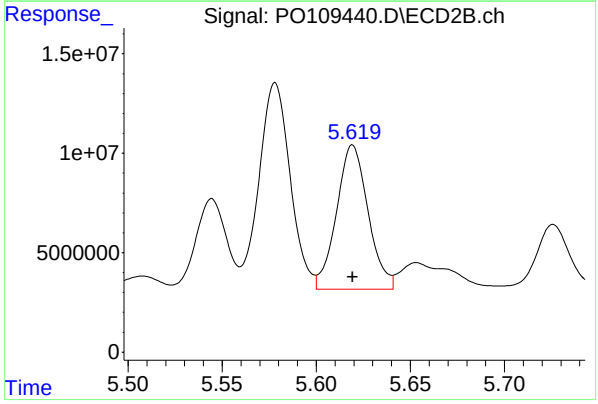
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 90182217
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.642 min
Delta R.T.: 0.000 mi
Response: 168815228
Conc: 500.00 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 84787780
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:21
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:48:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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...	3.697	3.693	247.1E6	131.6E6	25.309	25.209
2)	SA Decachlor...	8.755	8.705	220.4E6	81028918	26.436	26.667
	Target Compounds						
21)	L5 AR-1248-1	4.791	4.777	53414649	26903650	265.875	266.988
22)	L5 AR-1248-2	5.030	5.014	74897714	39285877	265.920	268.307
23)	L5 AR-1248-3	5.245	5.056	92525840	41607588	267.248	267.226
24)	L5 AR-1248-4	5.600	5.227	127.4E6	48427931	265.835	268.500
25)	L5 AR-1248-5	5.642	5.620	91434201	45832980	270.811	270.281

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

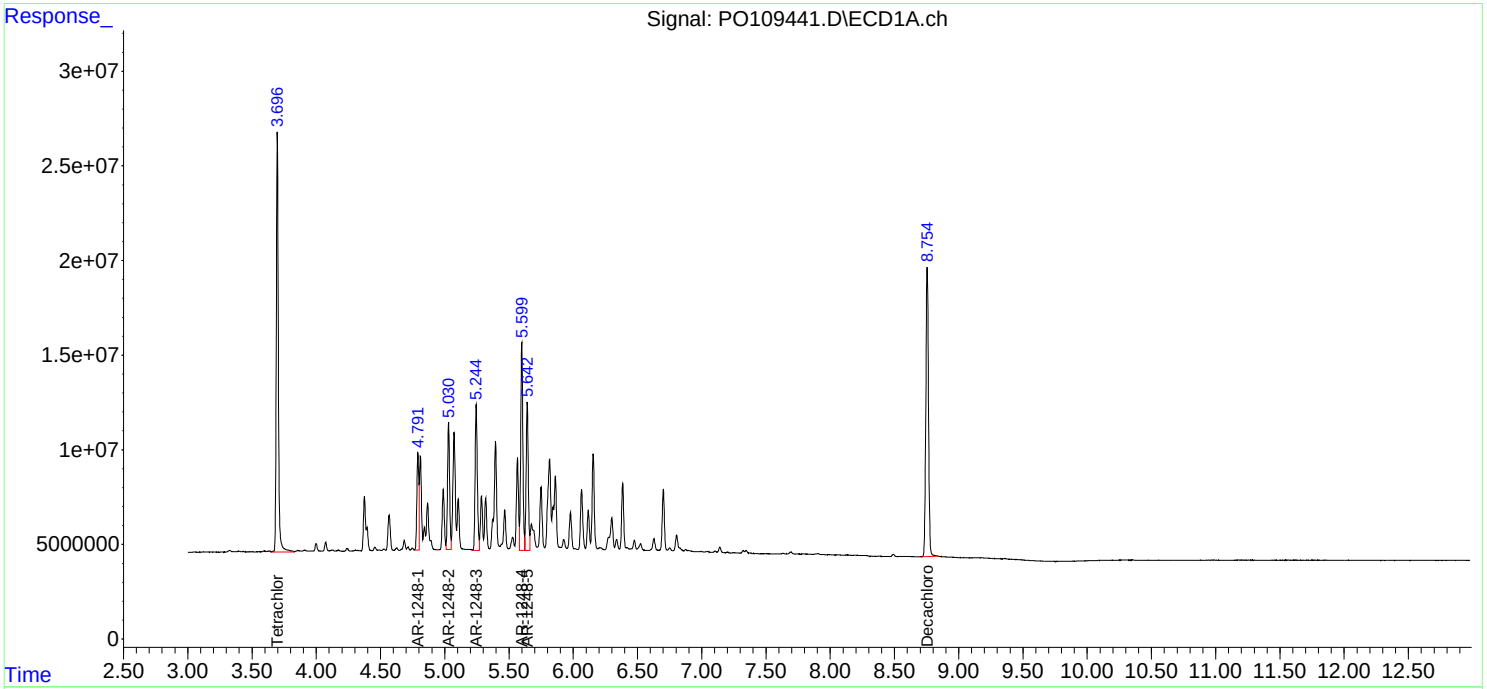
ICAL Form

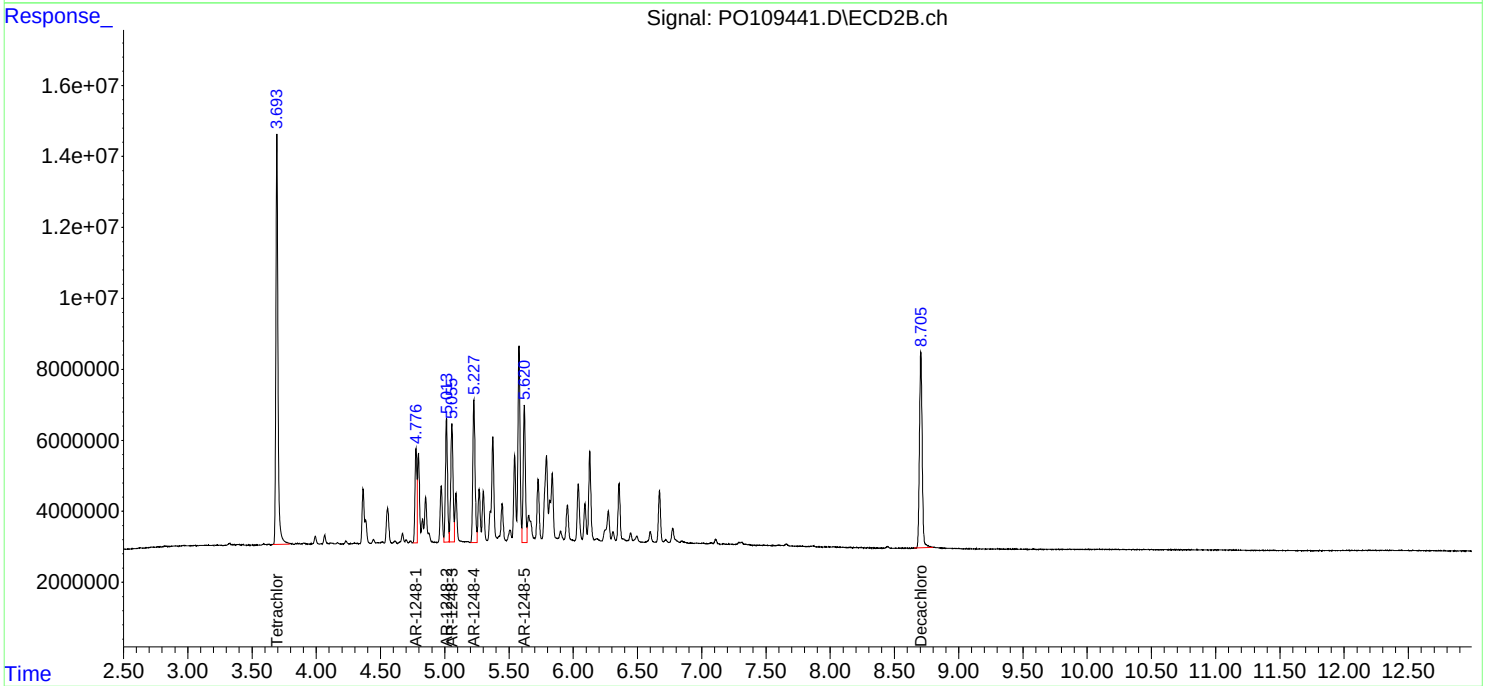
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:21
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

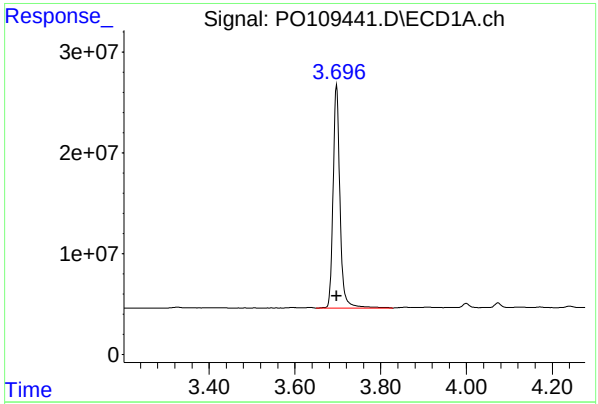
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:48:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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



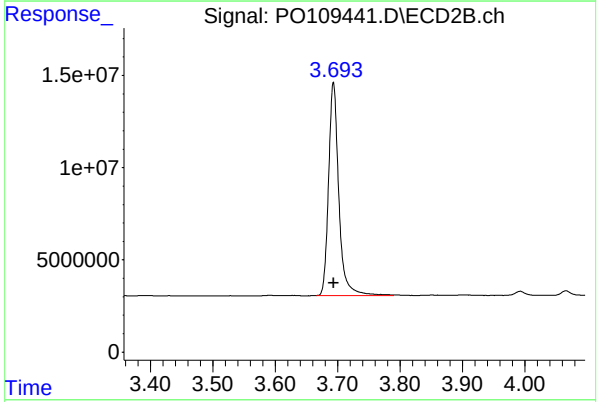




#1 Tetrachloro-m-xylene

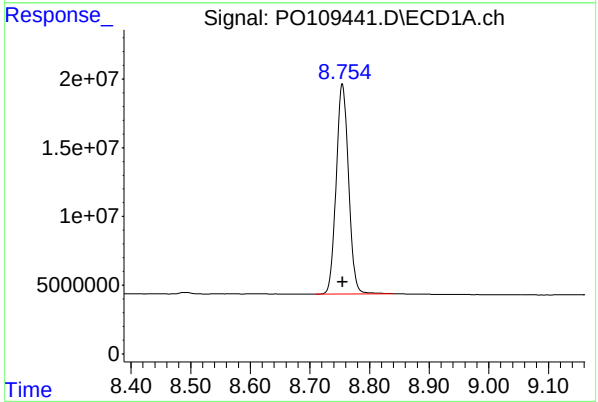
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 247107512
Conc: 25.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



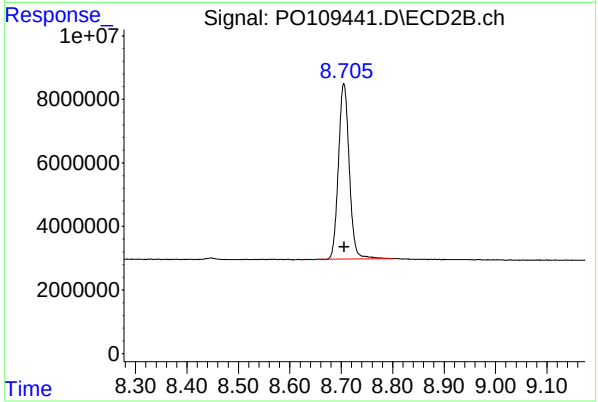
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 131617410
Conc: 25.21 ng/ml



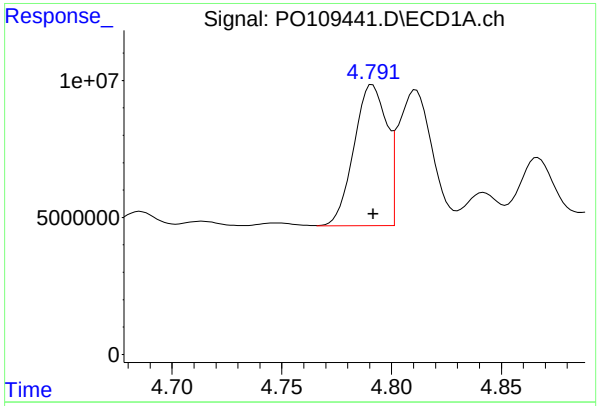
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 220400967
Conc: 26.44 ng/ml



#2 Decachlorobiphenyl

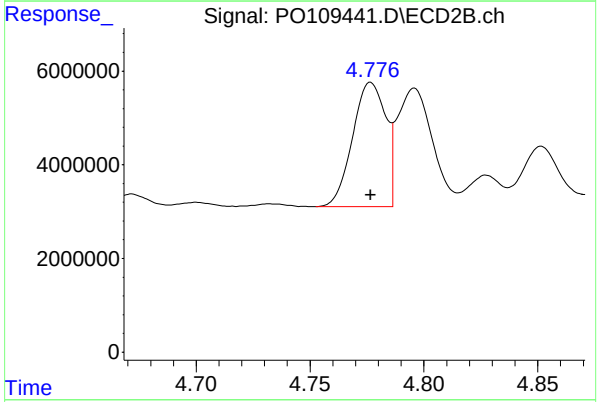
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 81028918
Conc: 26.67 ng/ml



#21 AR-1248-1

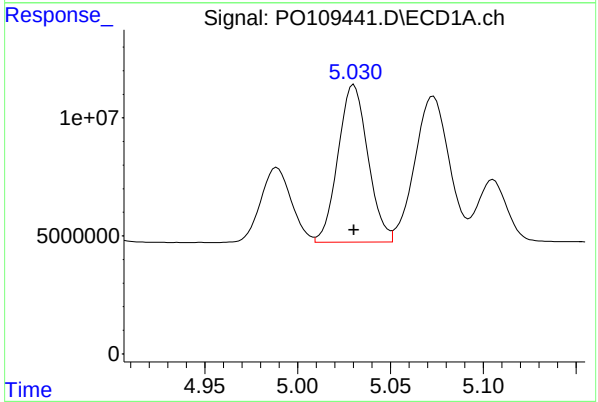
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 53414649
Conc: 265.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



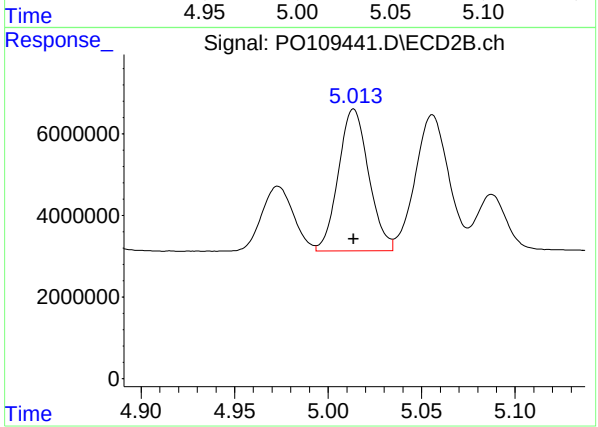
#21 AR-1248-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 26903650
Conc: 266.99 ng/ml



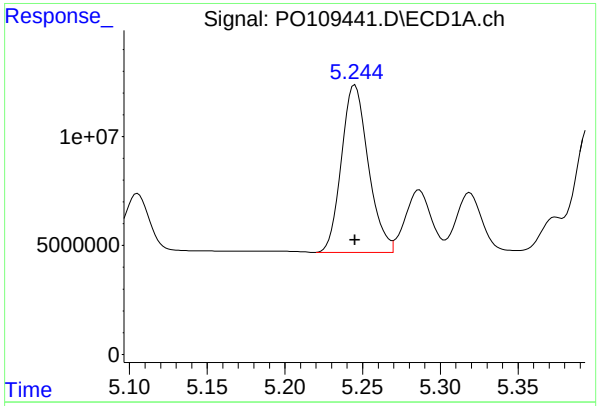
#22 AR-1248-2

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 74897714
Conc: 265.92 ng/ml



#22 AR-1248-2

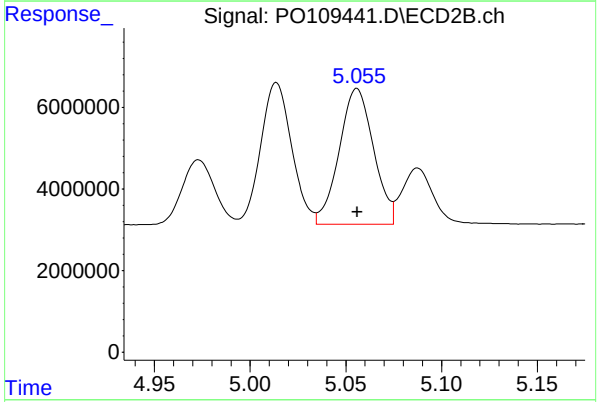
R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 39285877
Conc: 268.31 ng/ml



#23 AR-1248-3

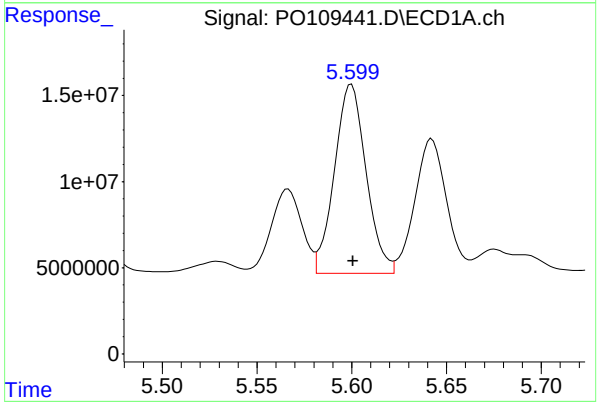
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 92525840
Conc: 267.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



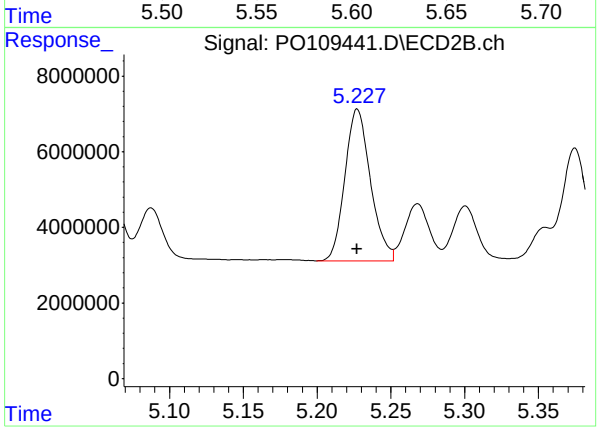
#23 AR-1248-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 41607588
Conc: 267.23 ng/ml



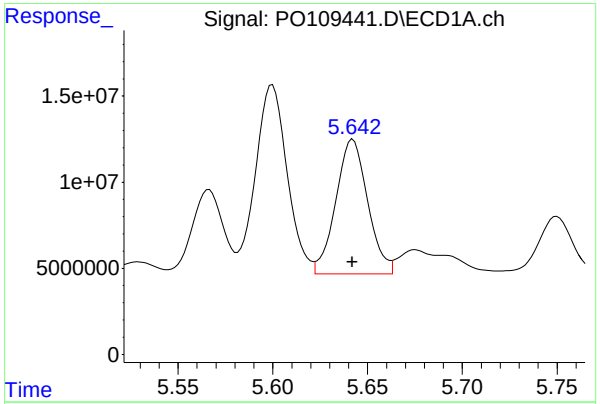
#24 AR-1248-4

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 127383873
Conc: 265.83 ng/ml



#24 AR-1248-4

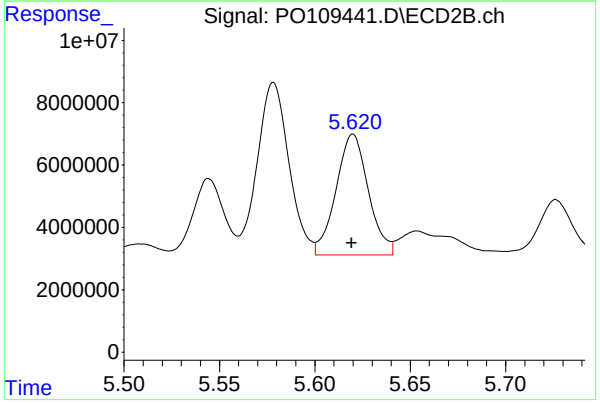
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 48427931
Conc: 268.50 ng/ml



#25 AR-1248-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 91434201
Conc: 270.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 45832980
Conc: 270.28 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:40
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

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 02:49:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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...	3.697	3.693	46251223	23752948	4.737	4.549
2)	SA Decachlor...	8.754	8.706	44397899	16474487	5.325	5.422
	Target Compounds						
21)	L5 AR-1248-1	4.791	4.776	10517320	5442853	52.351	54.014
22)	L5 AR-1248-2	5.030	5.013	14922906	7831415	52.983	53.486
23)	L5 AR-1248-3	5.245	5.055	19608812	8436393	56.637	54.183
24)	L5 AR-1248-4	5.599	5.227	25203917	9829738	52.598m	54.499m
25)	L5 AR-1248-5	5.641	5.618	19009831	9765442	56.304m	57.588m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:40
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

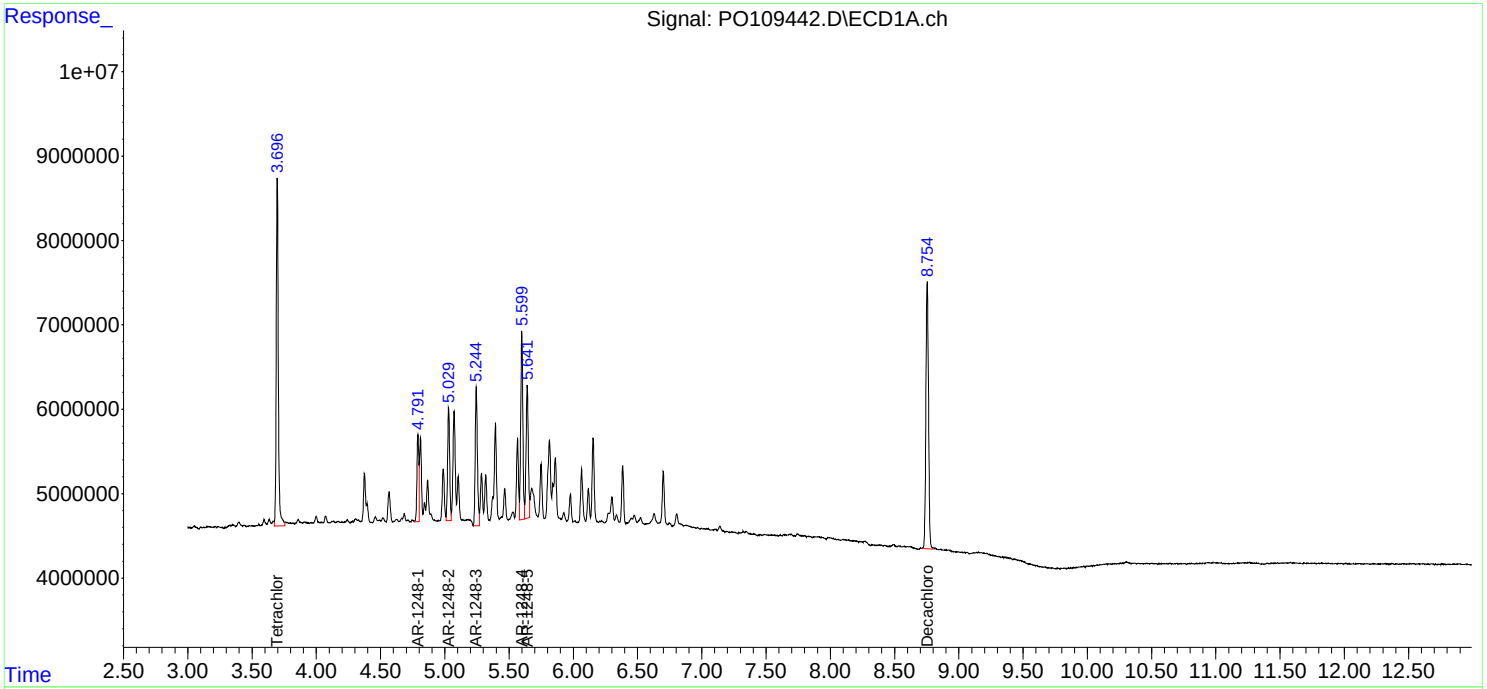
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

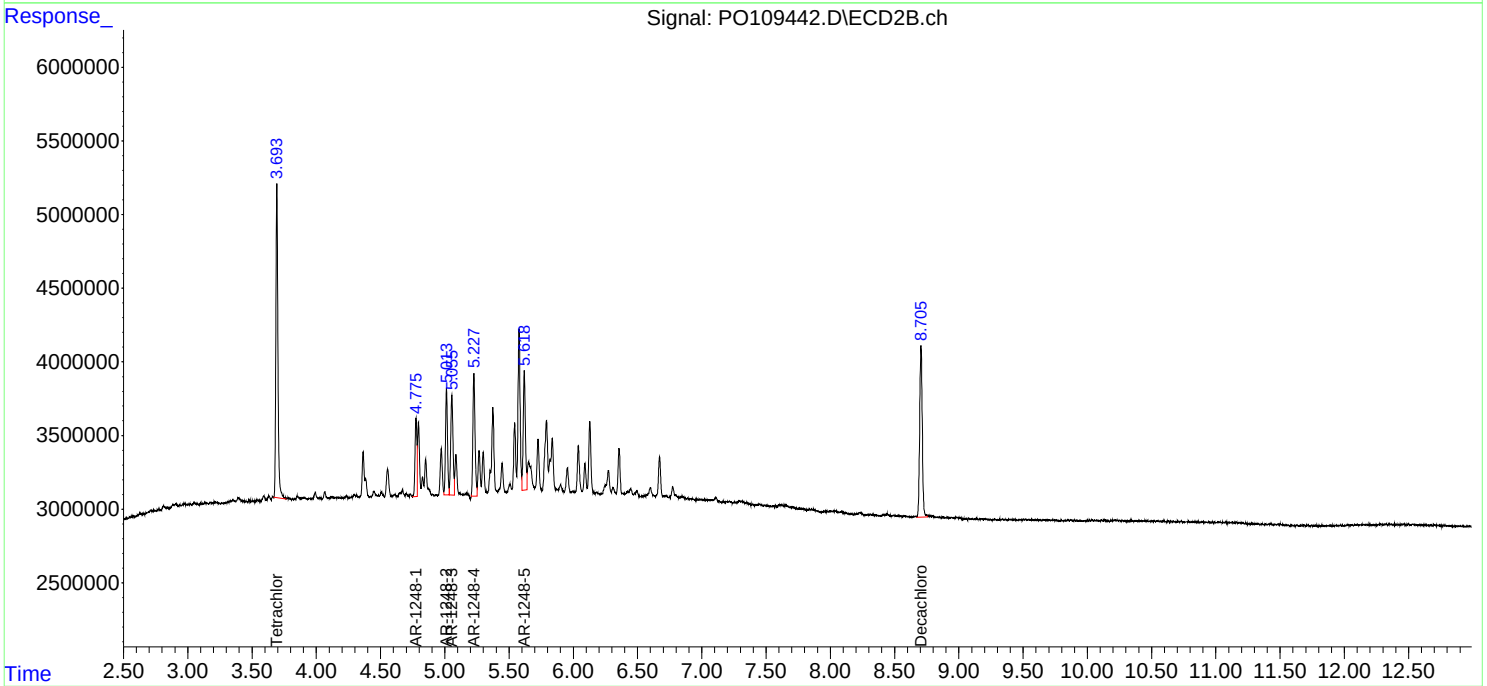
Manual Integrations APPROVED

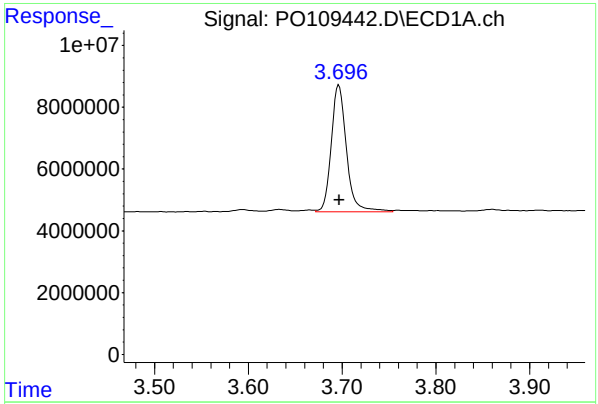
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:49:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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







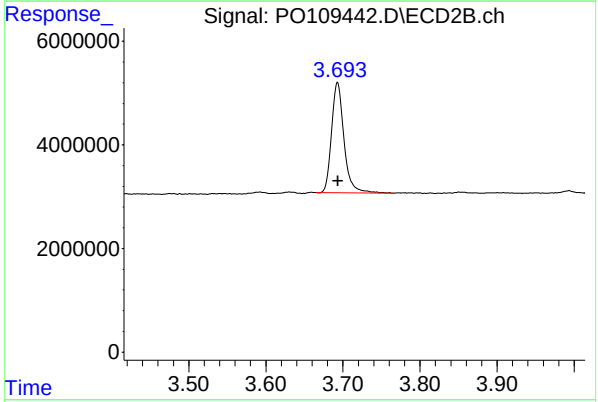
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 46251223
Conc: 4.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

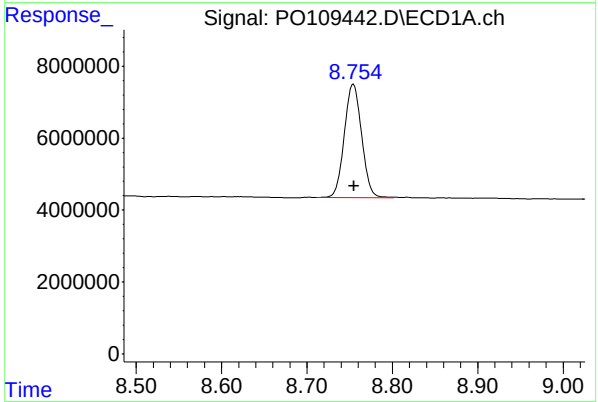
Manual Integrations APPROVED

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



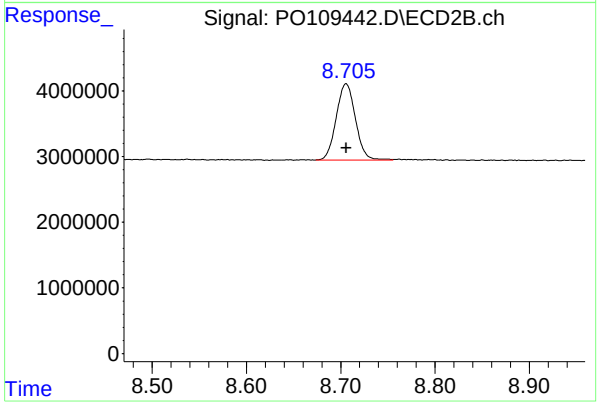
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 23752948
Conc: 4.55 ng/ml



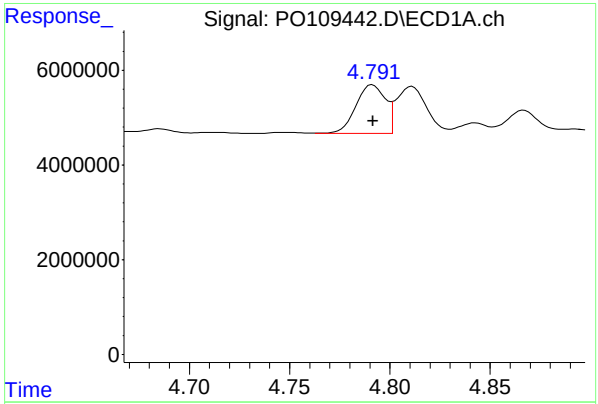
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 44397899
Conc: 5.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 16474487
Conc: 5.42 ng/ml



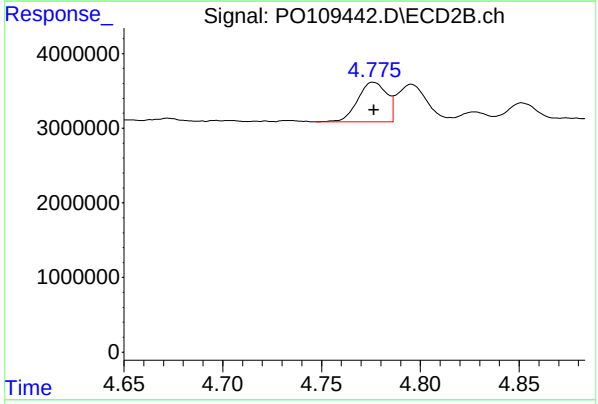
#21 AR-1248-1

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 10517320
Conc: 52.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

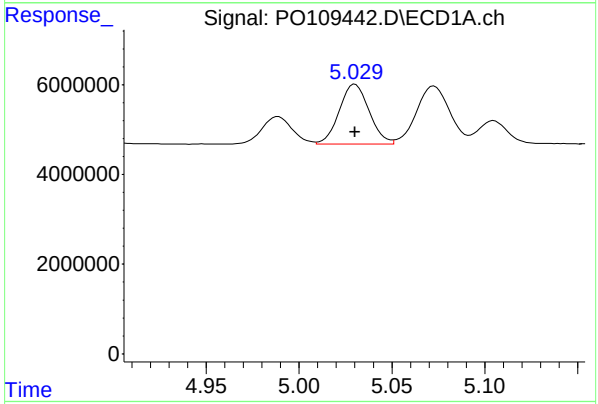
Manual Integrations APPROVED

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



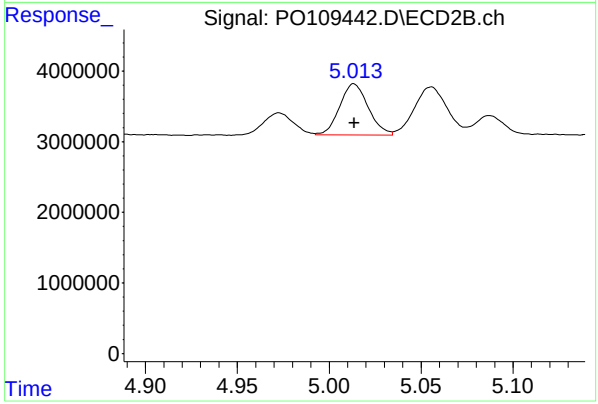
#21 AR-1248-1

R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 5442853
Conc: 54.01 ng/ml



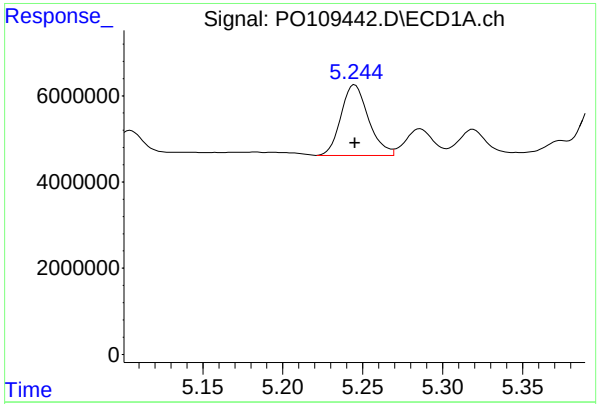
#22 AR-1248-2

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 14922906
Conc: 52.98 ng/ml



#22 AR-1248-2

R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 7831415
Conc: 53.49 ng/ml



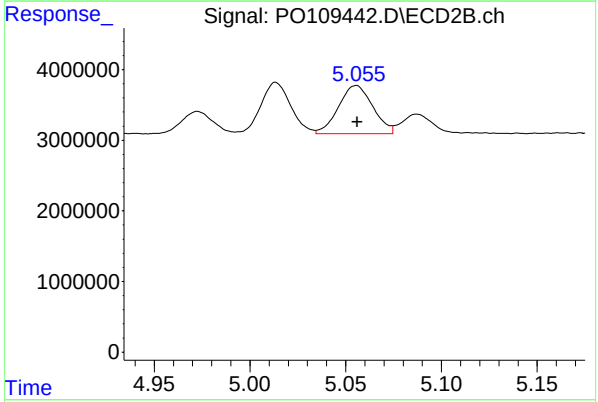
#23 AR-1248-3

R.T.: 5.245 min
Delta R.T.: 0.000 mi
Response: 19608812
Conc: 56.64 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

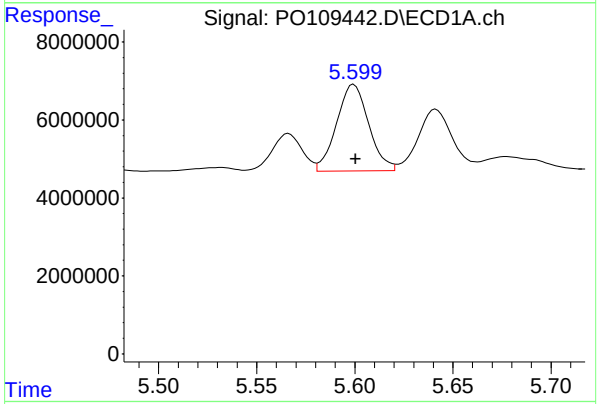
Manual Integrations APPROVED

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



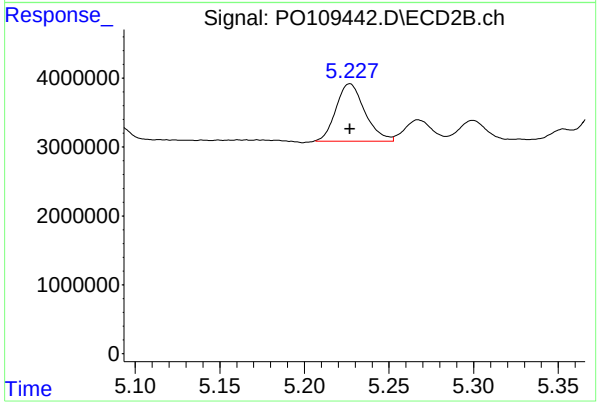
#23 AR-1248-3

R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 8436393
Conc: 54.18 ng/ml



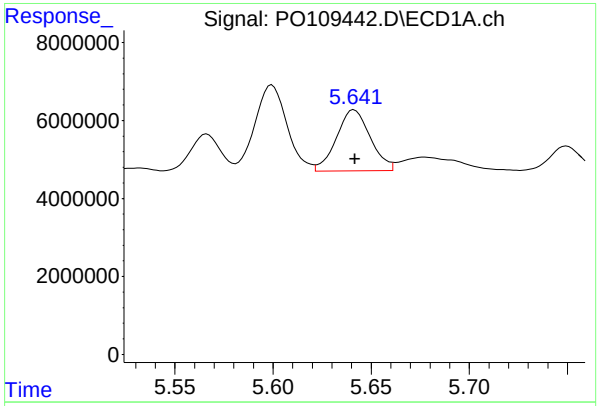
#24 AR-1248-4

R.T.: 5.599 min
Delta R.T.: -0.002 min
Response: 25203917
Conc: 52.60 ng/ml m



#24 AR-1248-4

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 9829738
Conc: 54.50 ng/ml m



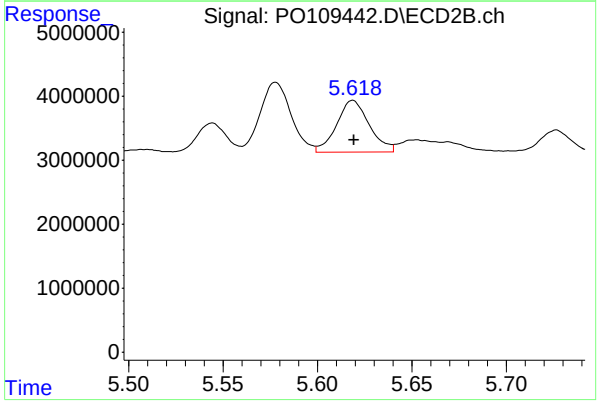
#25 AR-1248-5

R.T.: 5.641 min
Delta R.T.: -0.001 mi
Response: 19009831
Conc: 56.30 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

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



#25 AR-1248-5

R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 9765442
Conc: 57.59 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:58
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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...	3.697	3.693	951.1E6	511.8E6	96.621	98.139
2)	SA Decachlor...	8.754	8.705	796.7E6	284.2E6	93.419	92.489
	Target Compounds						
26)	L6 AR-1254-1	5.600	5.578	480.6E6	243.6E6	934.551	933.795
27)	L6 AR-1254-2	5.749	5.726	417.5E6	212.5E6	924.809	921.386
28)	L6 AR-1254-3	6.155	6.129	684.8E6	339.8E6	943.785	941.402
29)	L6 AR-1254-4	6.384	6.357	418.0E6	192.3E6	974.859	962.866
30)	L6 AR-1254-5	6.805	6.774	597.3E6	278.5E6	945.656	939.652

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

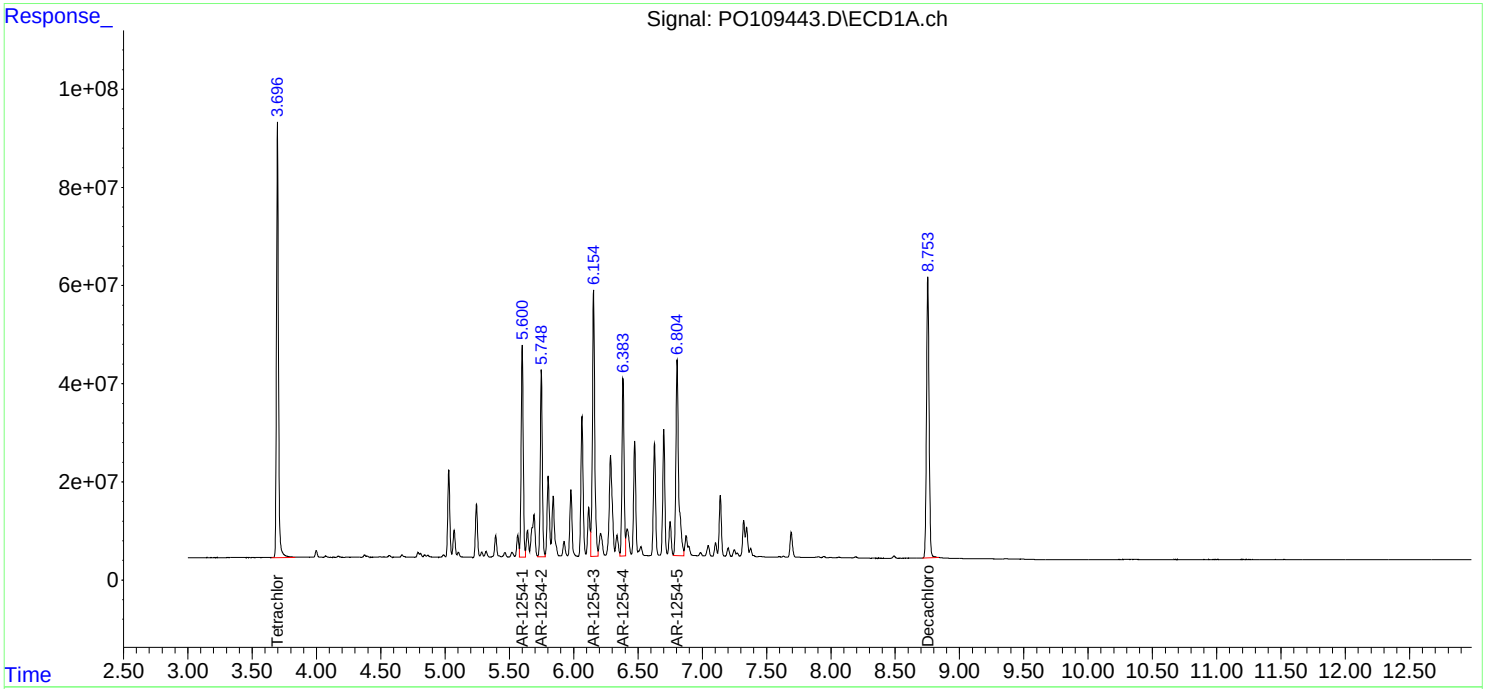
ICAL Form

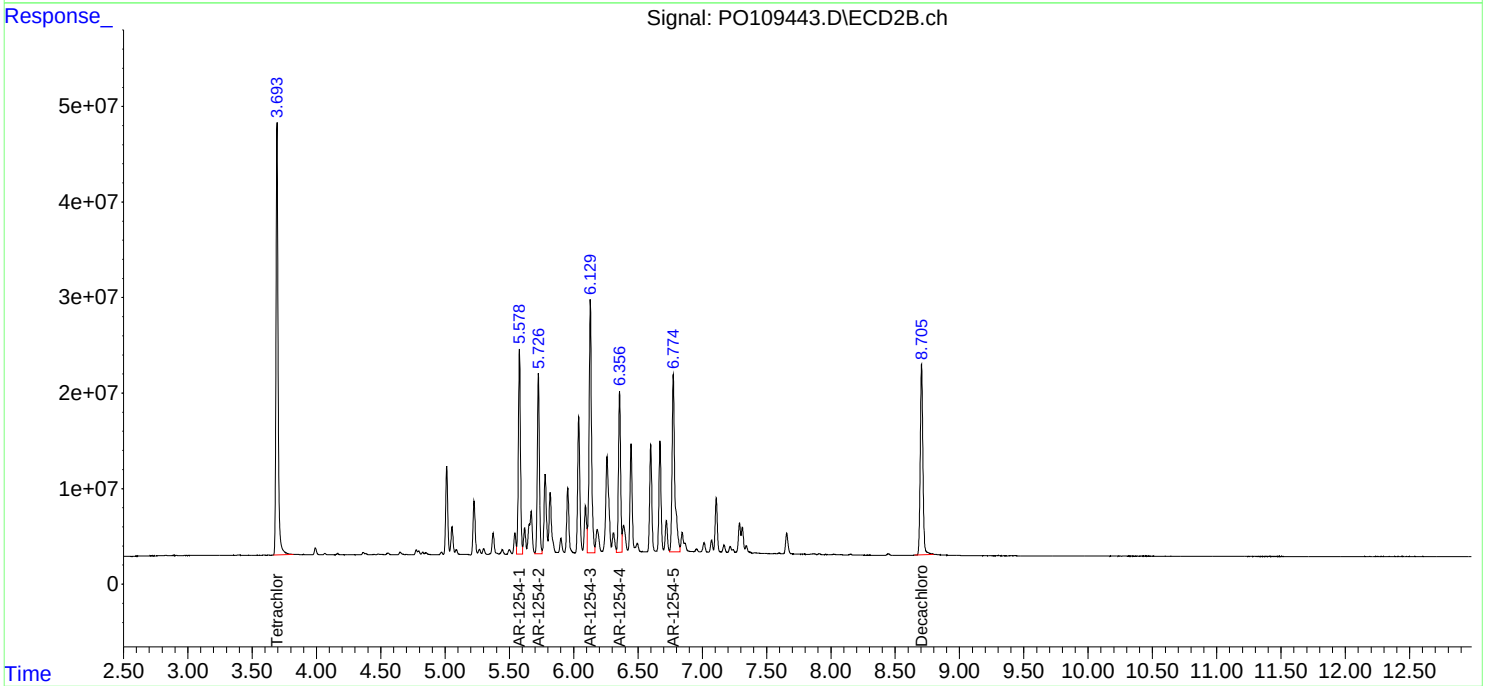
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 21:58
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

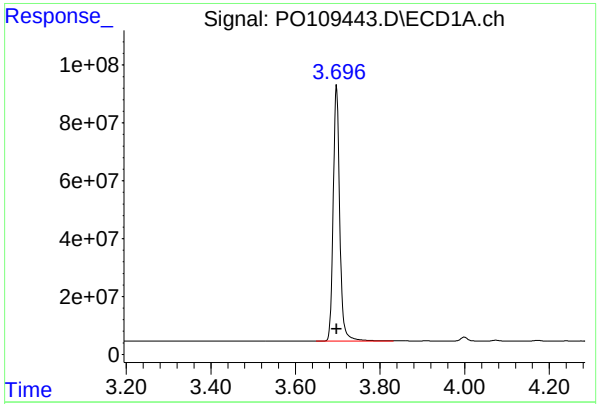
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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



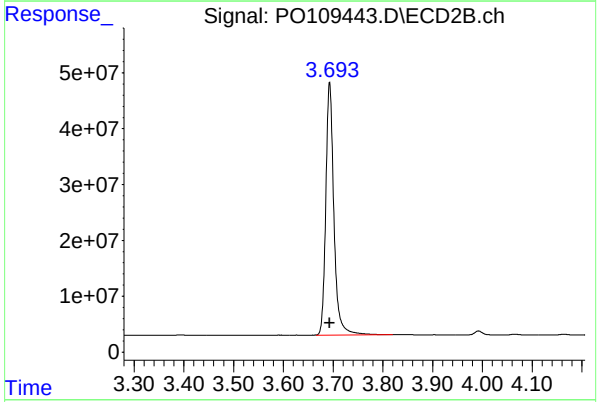




#1 Tetrachloro-m-xylene

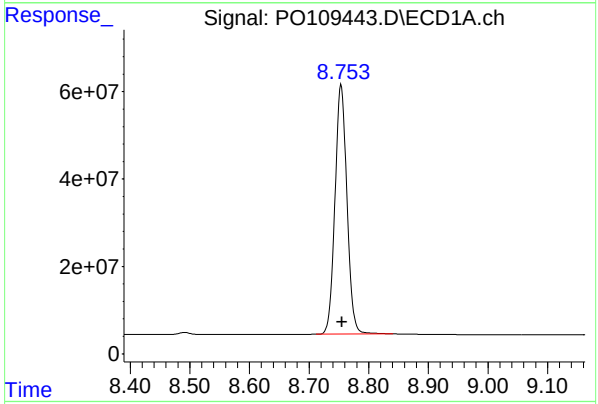
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 951105146
Conc: 96.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



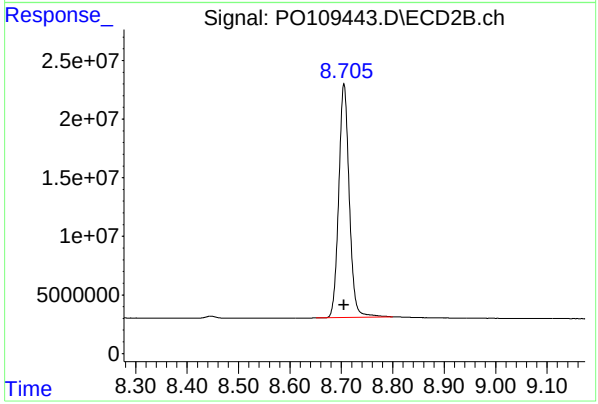
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 511752526
Conc: 98.14 ng/ml



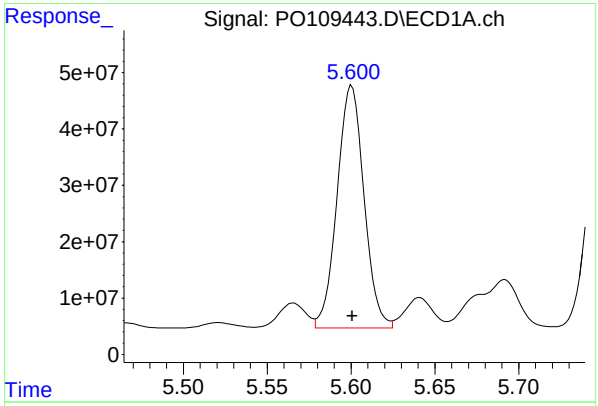
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: -0.001 min
Response: 796709283
Conc: 93.42 ng/ml



#2 Decachlorobiphenyl

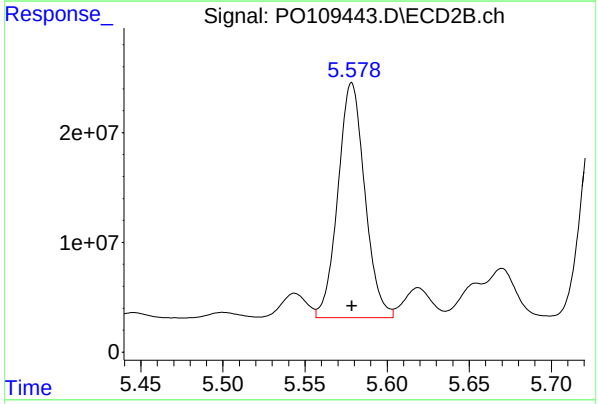
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 284176082
Conc: 92.49 ng/ml



#26 AR-1254-1

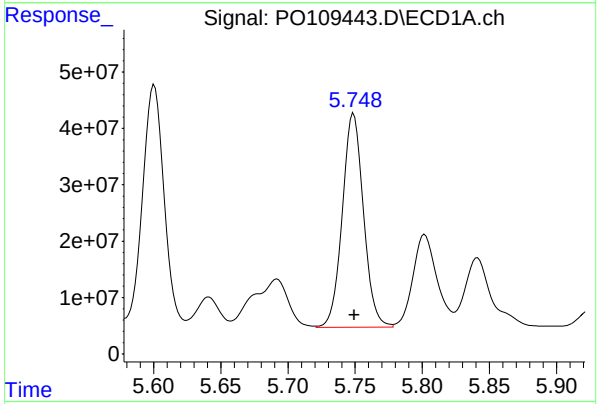
R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 480630669
Conc: 934.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



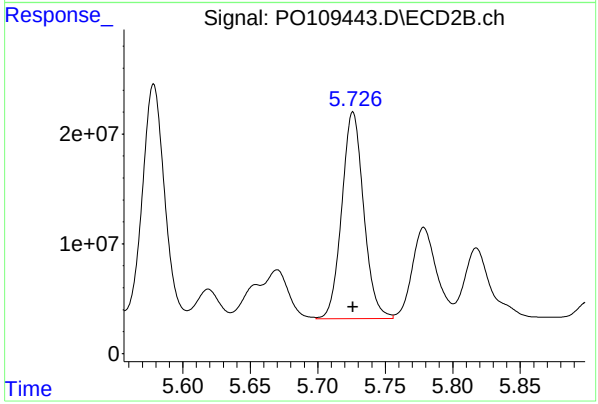
#26 AR-1254-1

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 243640751
Conc: 933.79 ng/ml



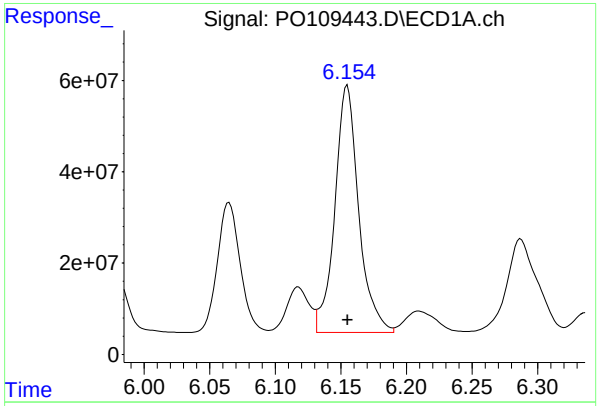
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 417535343
Conc: 924.81 ng/ml



#27 AR-1254-2

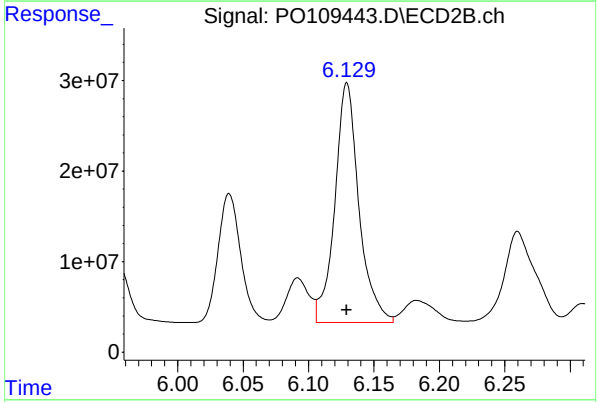
R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 212545511
Conc: 921.39 ng/ml



#28 AR-1254-3

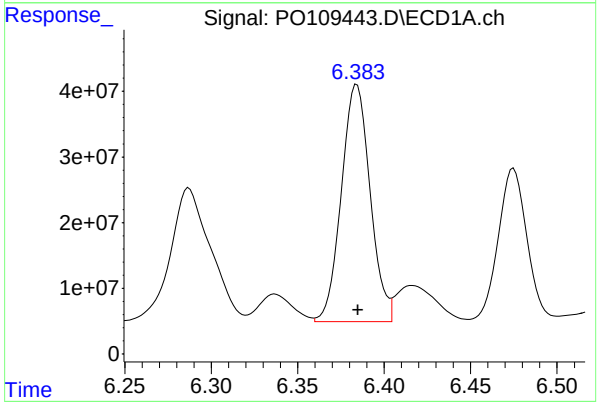
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 684838056
Conc: 943.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



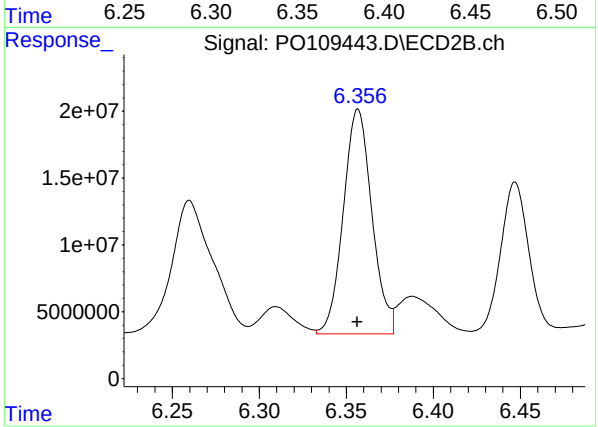
#28 AR-1254-3

R.T.: 6.129 min
Delta R.T.: 0.000 min
Response: 339799719
Conc: 941.40 ng/ml



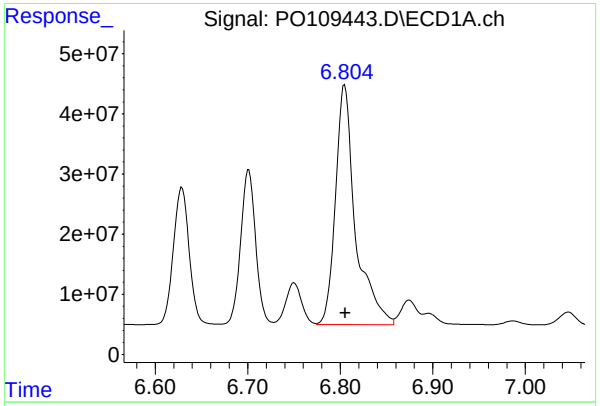
#29 AR-1254-4

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 417970360
Conc: 974.86 ng/ml



#29 AR-1254-4

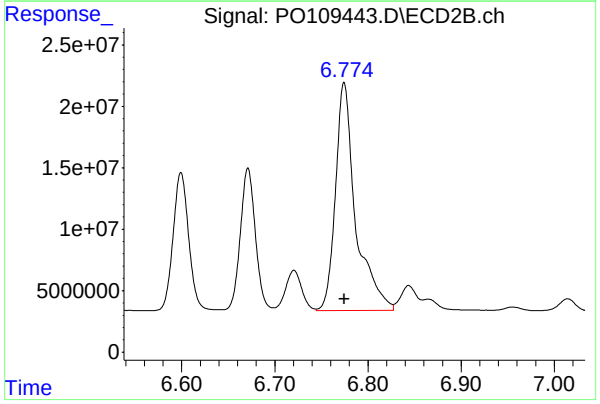
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 192329190
Conc: 962.87 ng/ml



#30 AR-1254-5

R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 597298518
Conc: 945.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 278490681
Conc: 939.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:17
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:05:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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...	3.697	3.694	720.2E6	386.1E6	73.159	74.040
2)	SA Decachlor...	8.756	8.705	609.4E6	219.1E6	71.460	71.318
	Target Compounds						
26)	L6 AR-1254-1	5.601	5.579	368.4E6	186.7E6	716.388	715.385
27)	L6 AR-1254-2	5.750	5.726	321.9E6	164.0E6	713.024	710.983
28)	L6 AR-1254-3	6.156	6.129	523.0E6	259.8E6	720.743	719.697
29)	L6 AR-1254-4	6.385	6.357	307.4E6	142.4E6	716.868	712.856
30)	L6 AR-1254-5	6.806	6.775	456.7E6	212.9E6	723.070	718.501

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

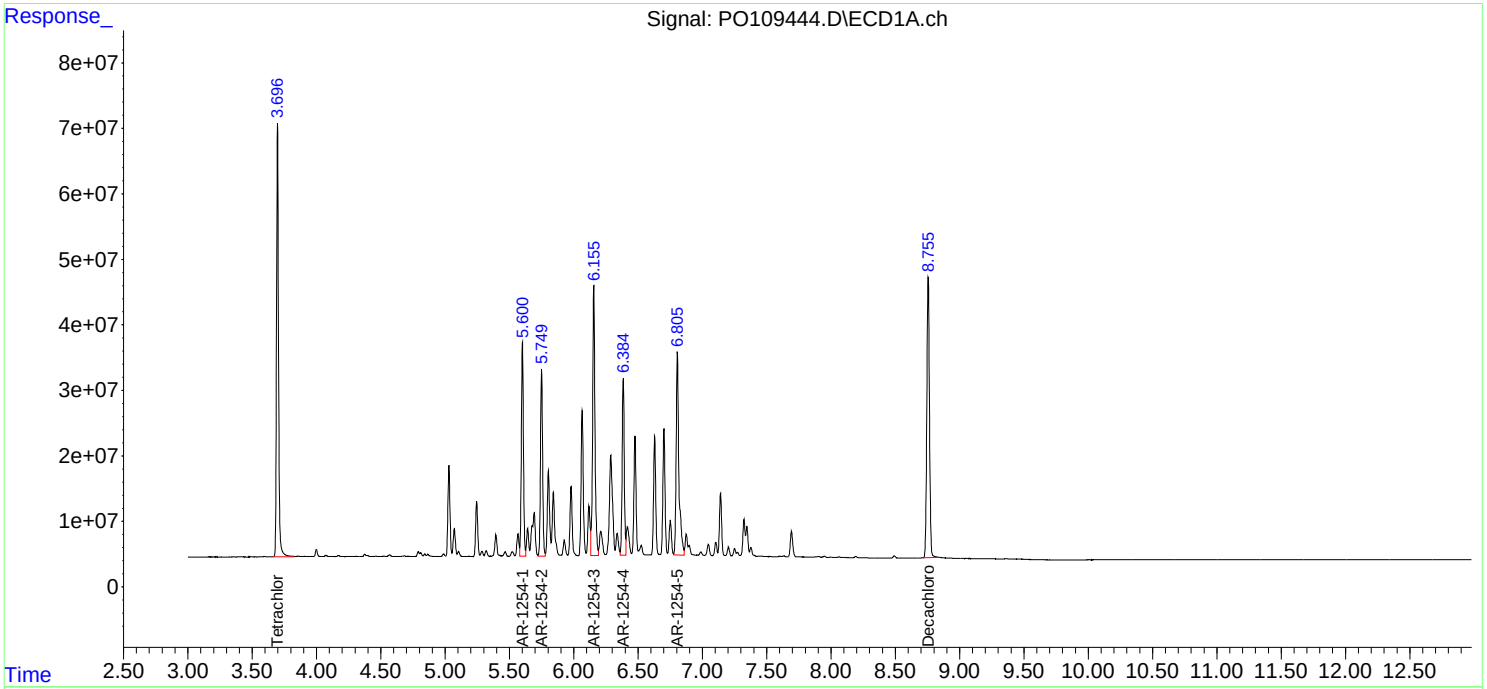
ICAL Form

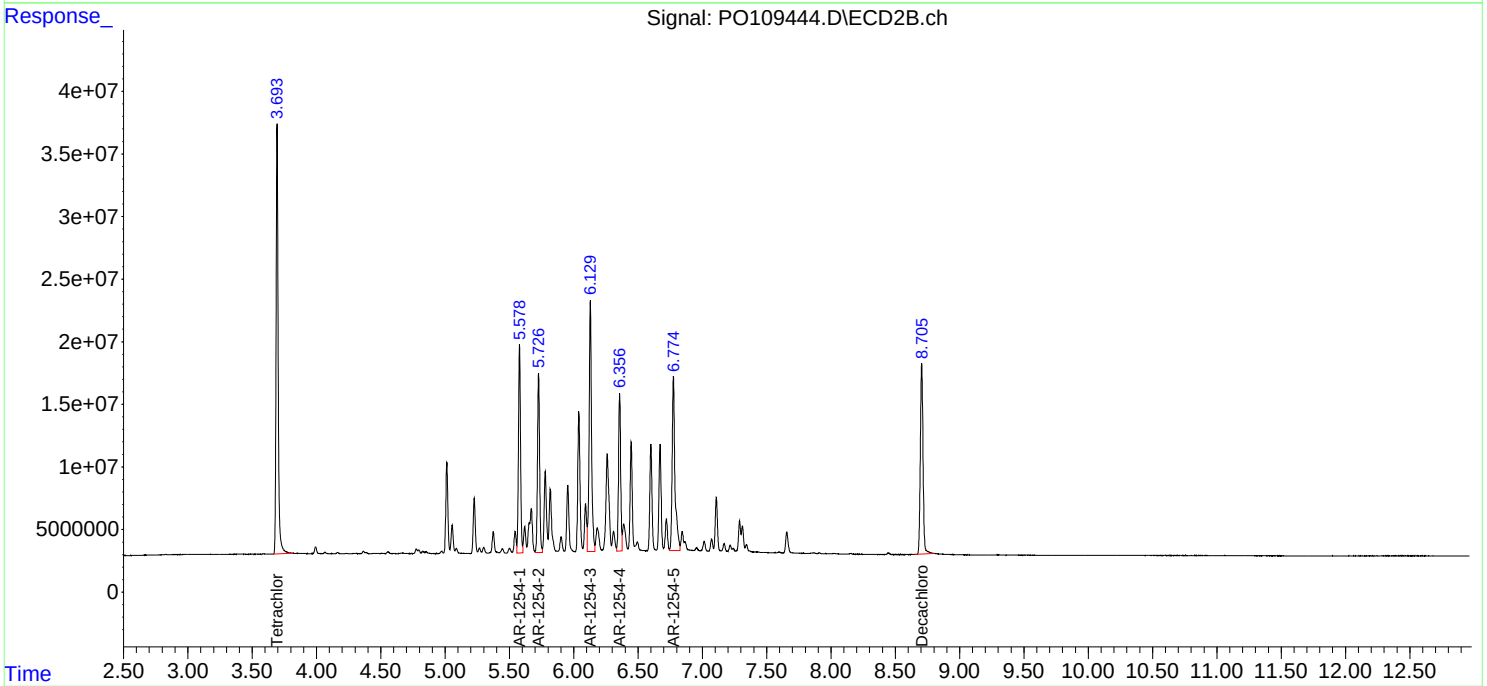
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:17
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

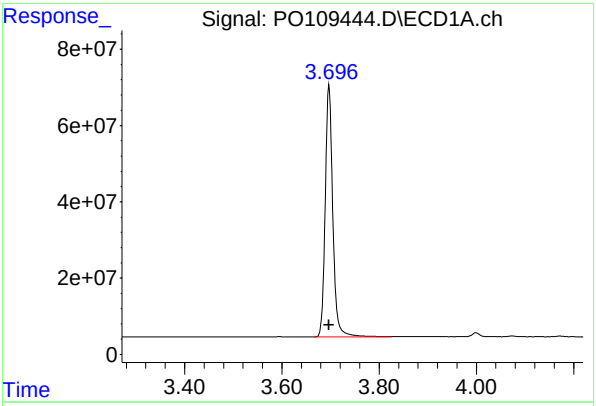
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:05:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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



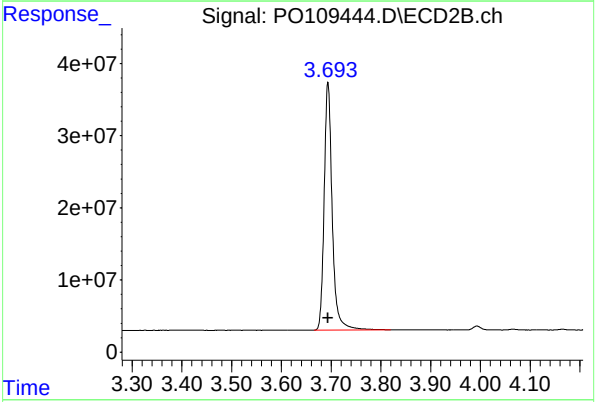




#1 Tetrachloro-m-xylene

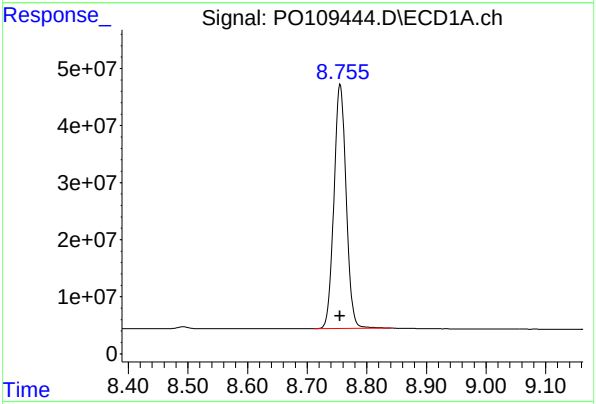
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 720150306
Conc: 73.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



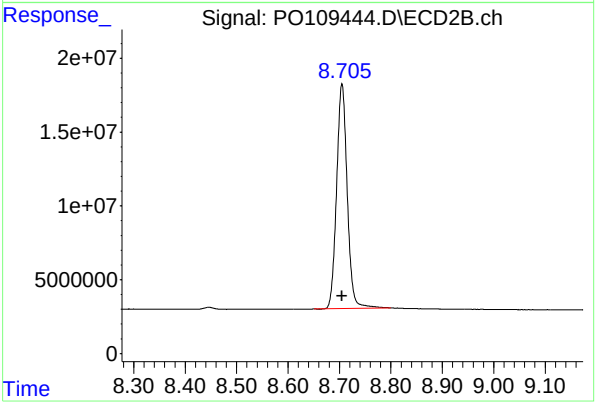
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 386088990
Conc: 74.04 ng/ml



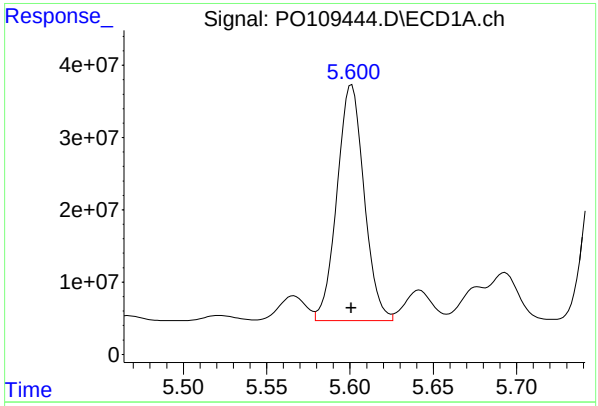
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 609431700
Conc: 71.46 ng/ml



#2 Decachlorobiphenyl

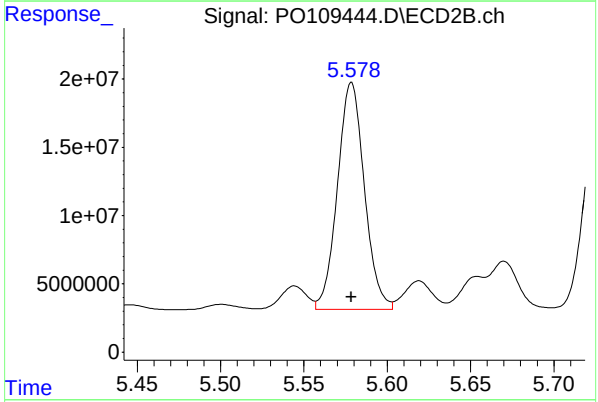
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 219126835
Conc: 71.32 ng/ml



#26 AR-1254-1

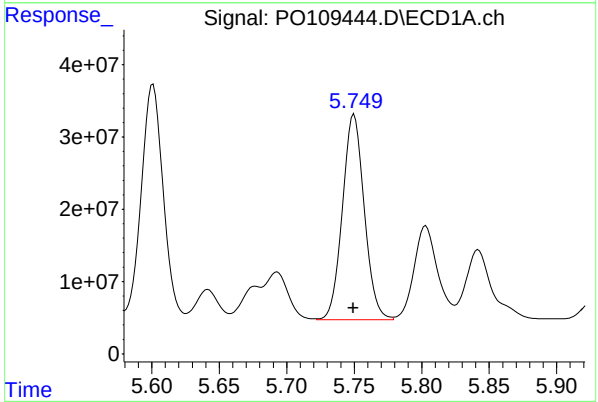
R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 368431718
Conc: 716.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



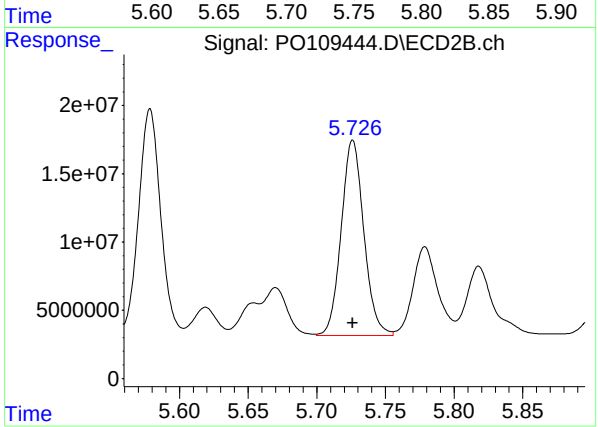
#26 AR-1254-1

R.T.: 5.579 min
Delta R.T.: 0.000 min
Response: 186654468
Conc: 715.38 ng/ml



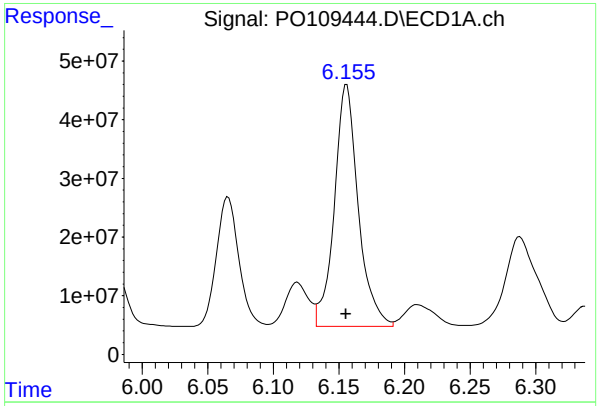
#27 AR-1254-2

R.T.: 5.750 min
Delta R.T.: 0.000 min
Response: 321917997
Conc: 713.02 ng/ml



#27 AR-1254-2

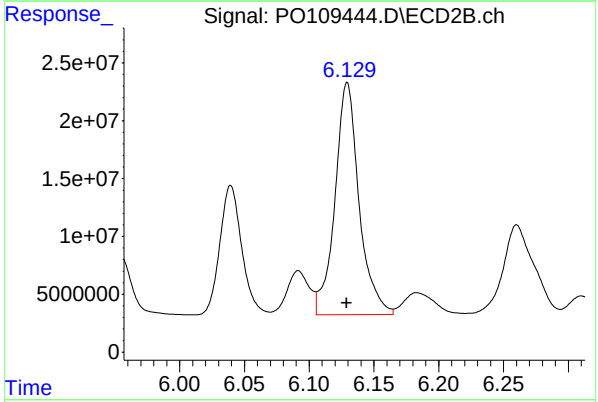
R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 164009630
Conc: 710.98 ng/ml



#28 AR-1254-3

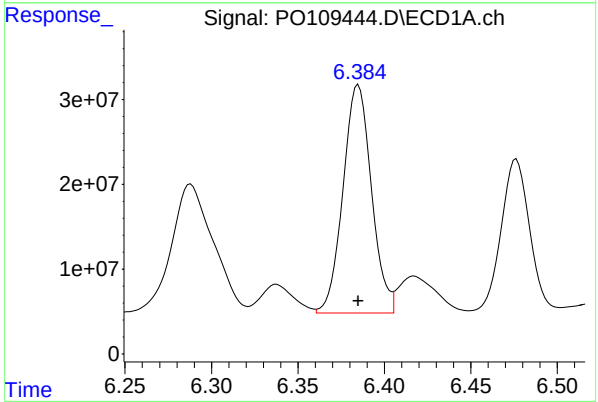
R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 522992227
Conc: 720.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



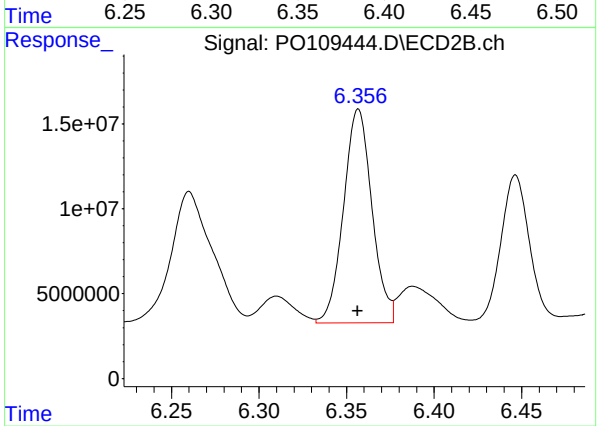
#28 AR-1254-3

R.T.: 6.129 min
Delta R.T.: 0.000 min
Response: 259775017
Conc: 719.70 ng/ml



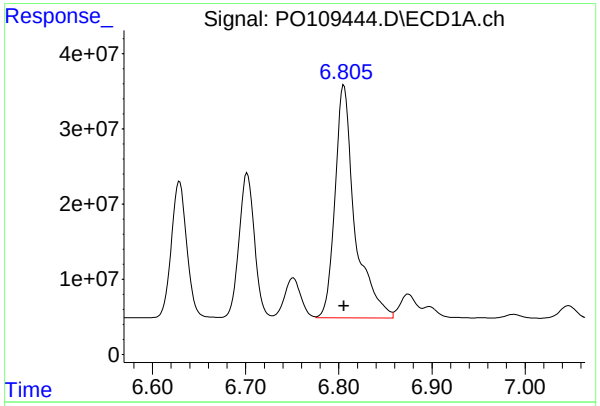
#29 AR-1254-4

R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 307356654
Conc: 716.87 ng/ml



#29 AR-1254-4

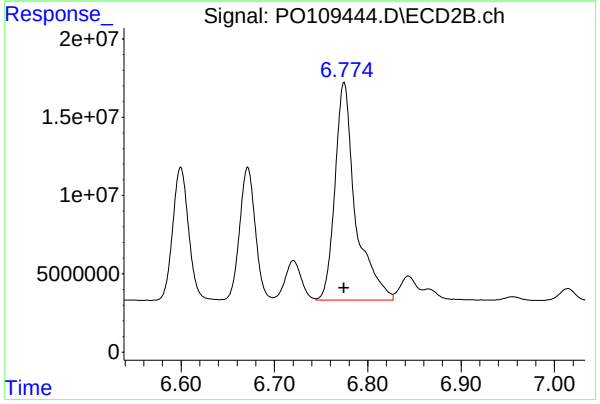
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 142390670
Conc: 712.86 ng/ml



#30 AR-1254-5

R.T.: 6.806 min
Delta R.T.: 0.000 mi
Response: 456707672
Conc: 723.07 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 212946736
Conc: 718.50 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:35
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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...	3.697	3.693	492.2E6	260.7E6	50.000	50.000
2)	SA Decachlor...	8.755	8.705	426.4E6	153.6E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.601	5.578	257.1E6	130.5E6	500.000	500.000
27)	L6 AR-1254-2	5.749	5.726	225.7E6	115.3E6	500.000	500.000
28)	L6 AR-1254-3	6.155	6.129	362.8E6	180.5E6	500.000	500.000
29)	L6 AR-1254-4	6.385	6.356	214.4E6	99873317	500.000	500.000
30)	L6 AR-1254-5	6.805	6.774	315.8E6	148.2E6	500.000	500.000

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

Quantitation Report (QT Reviewed)

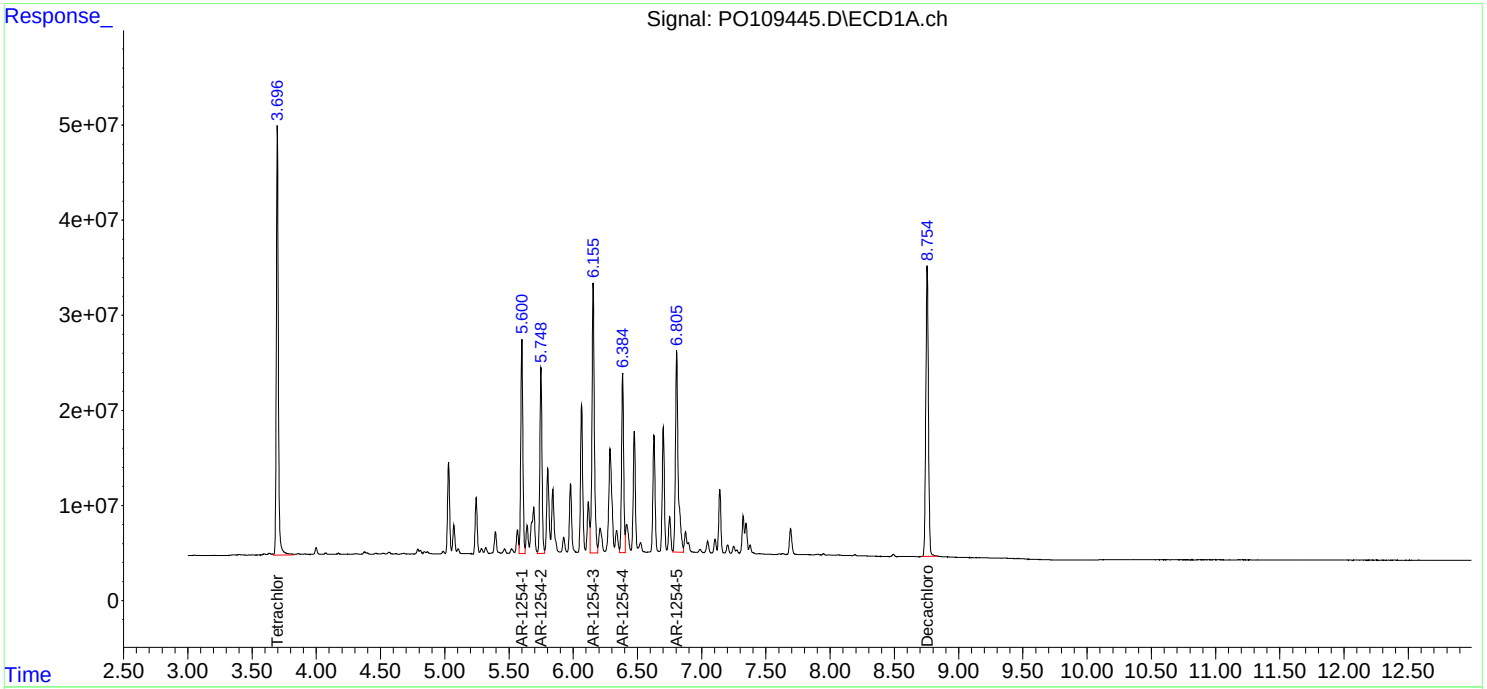
ICAL Form

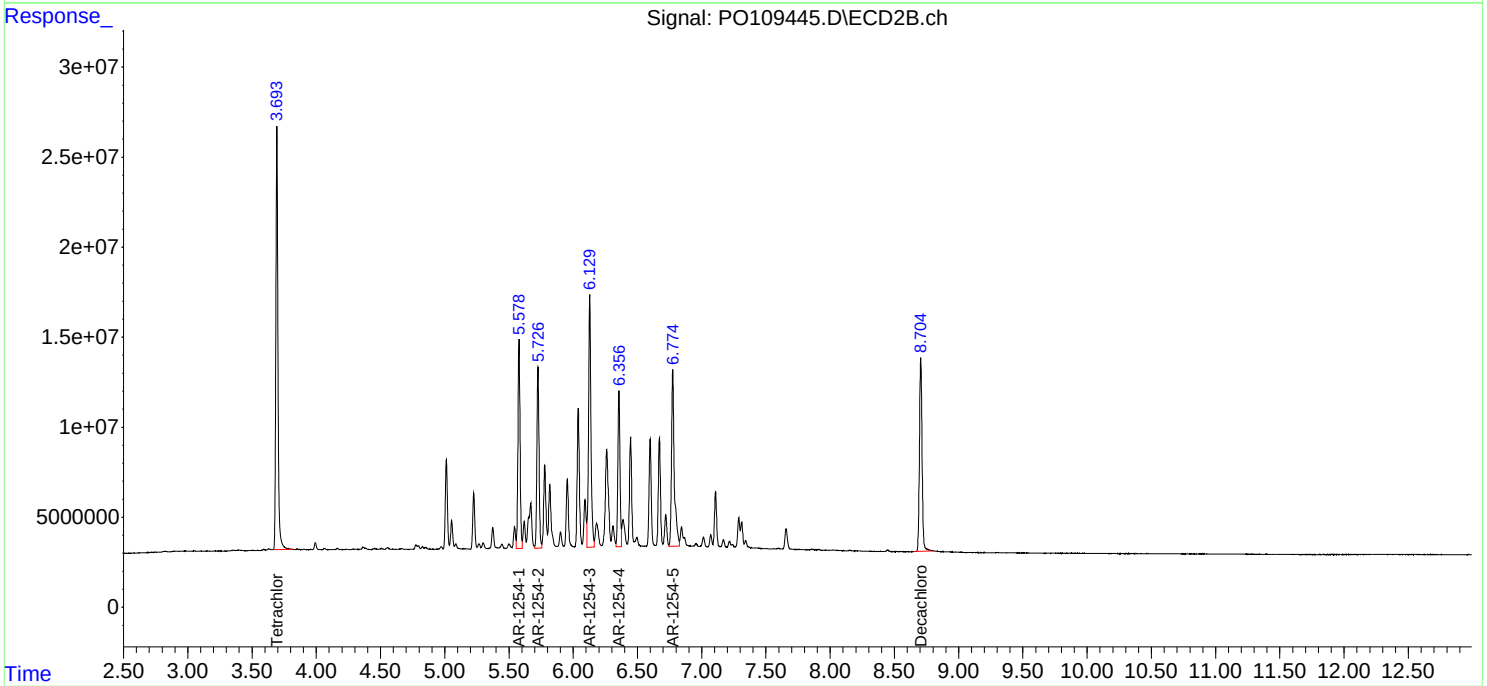
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:35
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

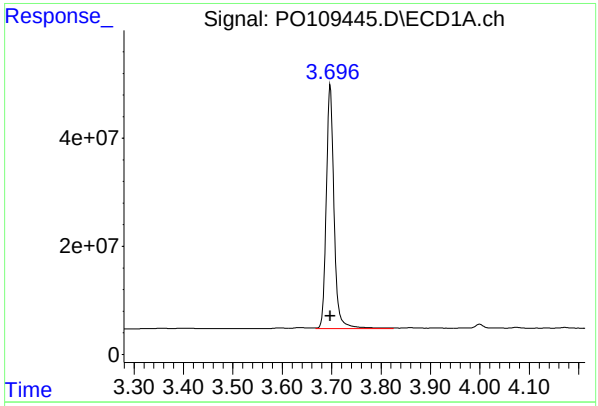
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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



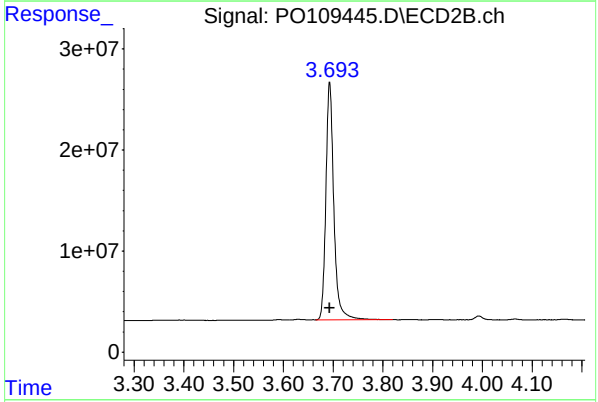




#1 Tetrachloro-m-xylene

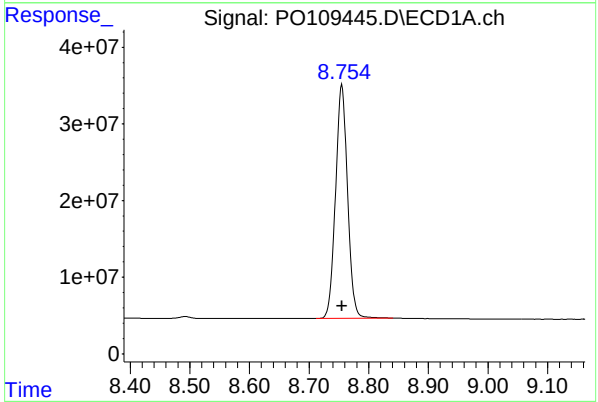
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 492181034
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



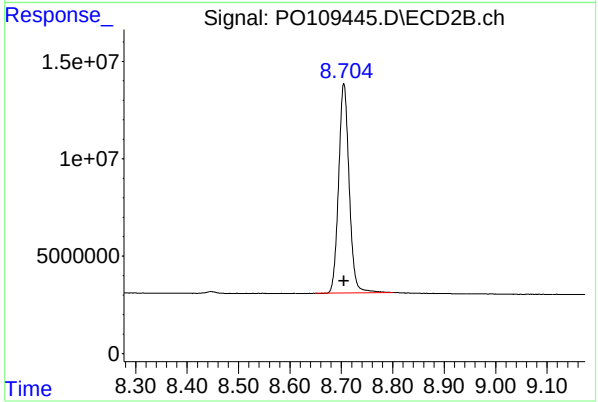
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 260729177
Conc: 50.00 ng/ml



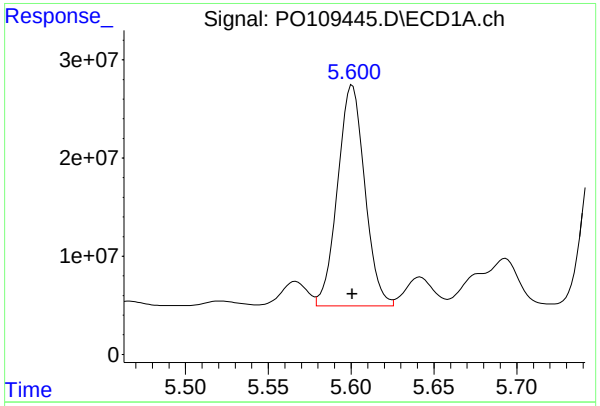
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 426417182
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

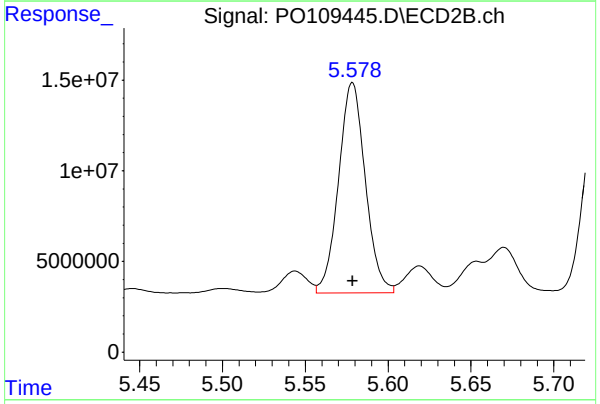
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 153626293
Conc: 50.00 ng/ml



#26 AR-1254-1

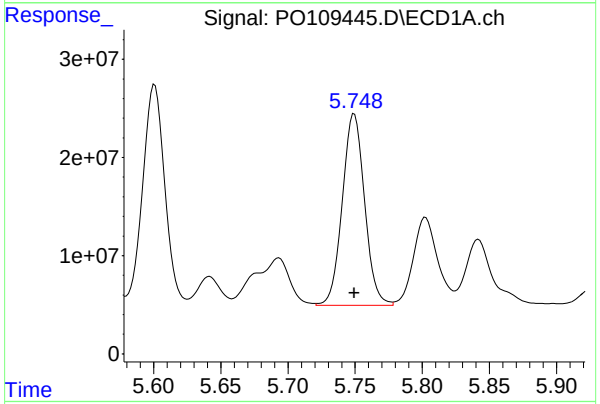
R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 257145361
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



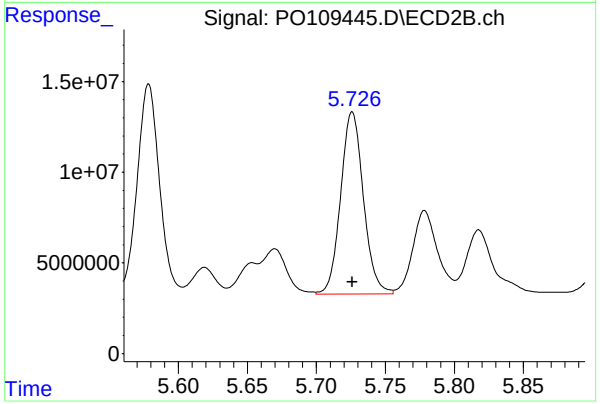
#26 AR-1254-1

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 130457369
Conc: 500.00 ng/ml



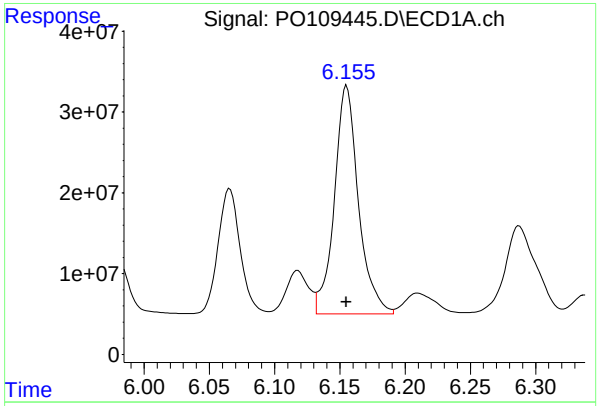
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 225741291
Conc: 500.00 ng/ml



#27 AR-1254-2

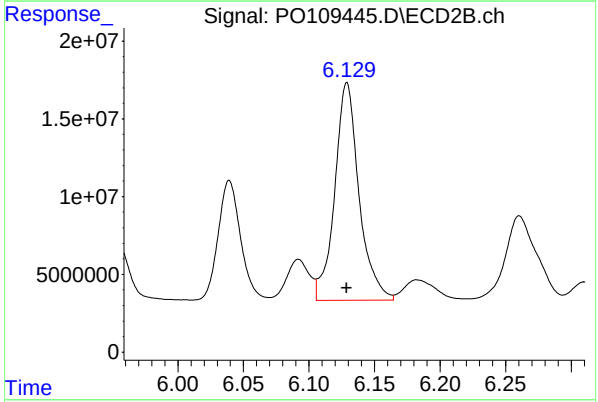
R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 115340127
Conc: 500.00 ng/ml



#28 AR-1254-3

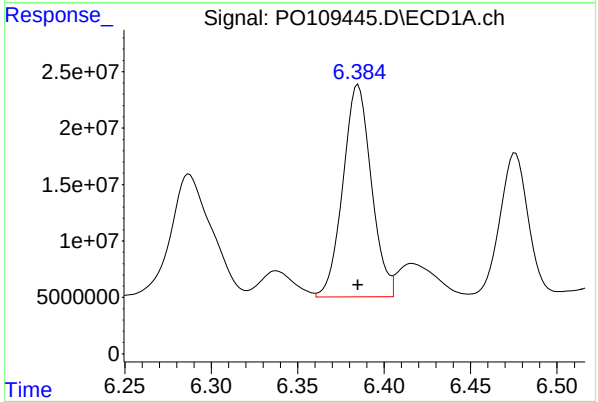
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 362814470
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



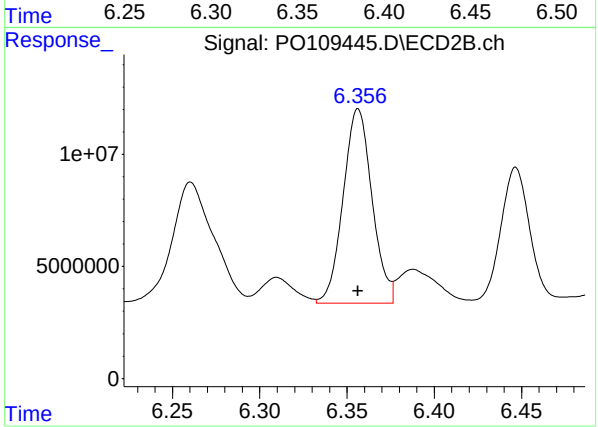
#28 AR-1254-3

R.T.: 6.129 min
Delta R.T.: 0.000 min
Response: 180475375
Conc: 500.00 ng/ml



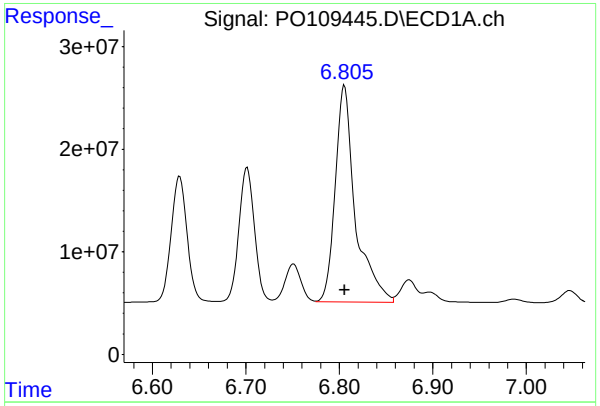
#29 AR-1254-4

R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 214374693
Conc: 500.00 ng/ml



#29 AR-1254-4

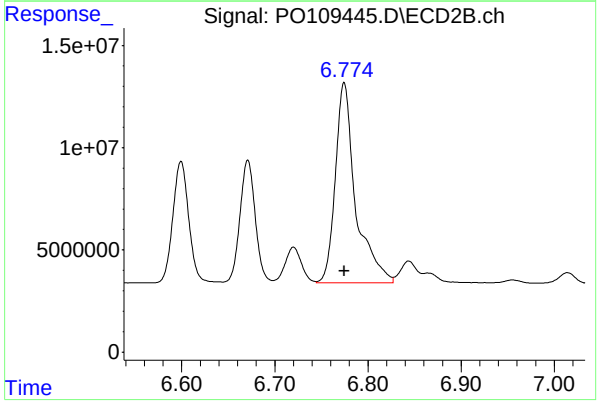
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 99873317
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 315811732
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 148188198
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:53
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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...	3.697	3.693	249.9E6	133.4E6	25.383	25.591
2)	SA Decachlor...	8.755	8.705	224.7E6	82751432	26.343	26.933
	Target Compounds						
26)	L6 AR-1254-1	5.600	5.578	137.1E6	70215336	266.626	269.112
27)	L6 AR-1254-2	5.749	5.726	120.3E6	62303614	266.469	270.086
28)	L6 AR-1254-3	6.155	6.129	190.2E6	94726512	262.120	262.436
29)	L6 AR-1254-4	6.385	6.357	115.3E6	53701999	269.019	268.851
30)	L6 AR-1254-5	6.805	6.775	166.0E6	78525114	262.748	264.951

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

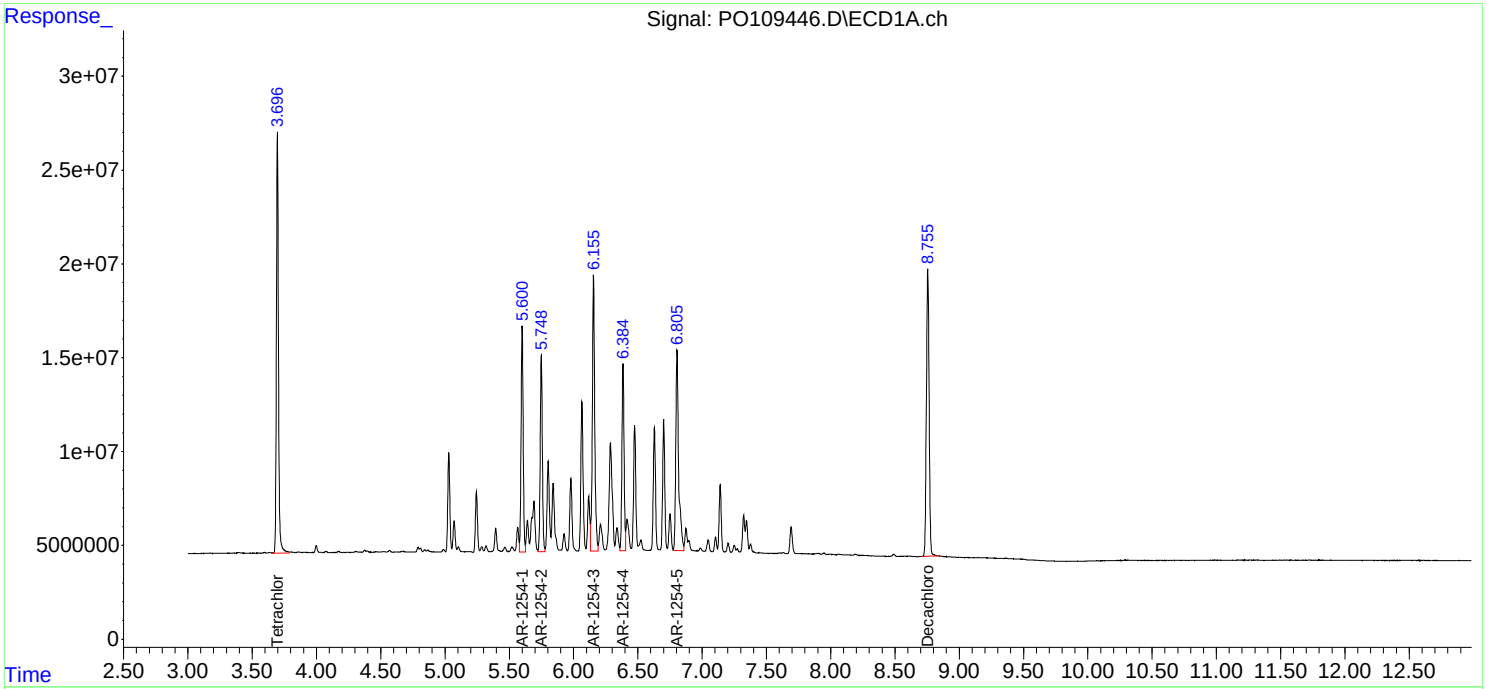
ICAL Form

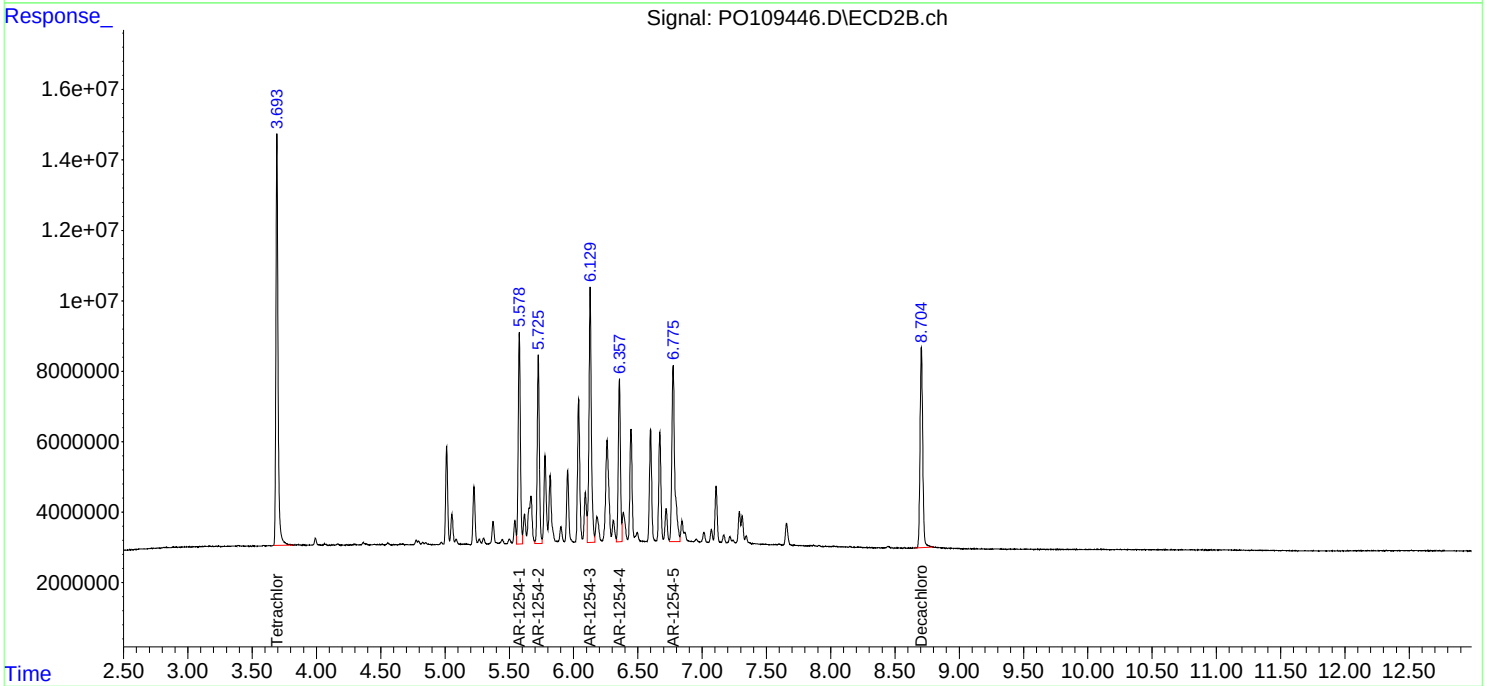
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 22:53
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

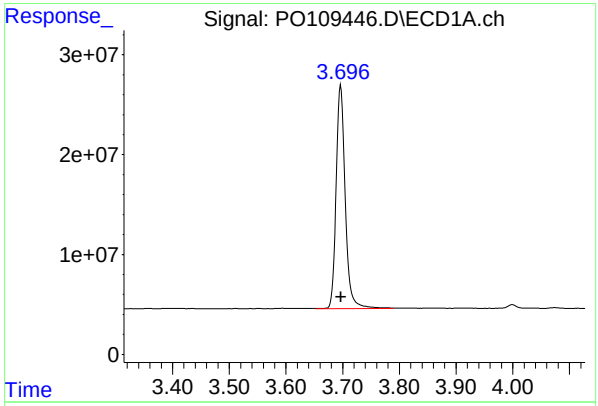
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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



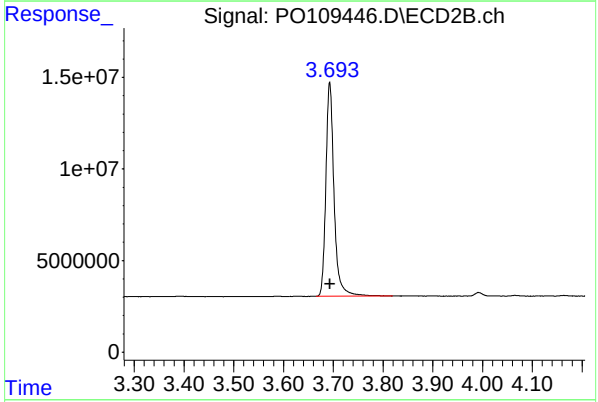




#1 Tetrachloro-m-xylene

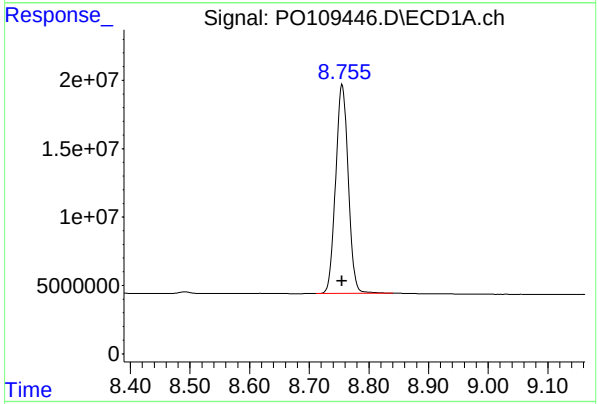
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 249861444
Conc: 25.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



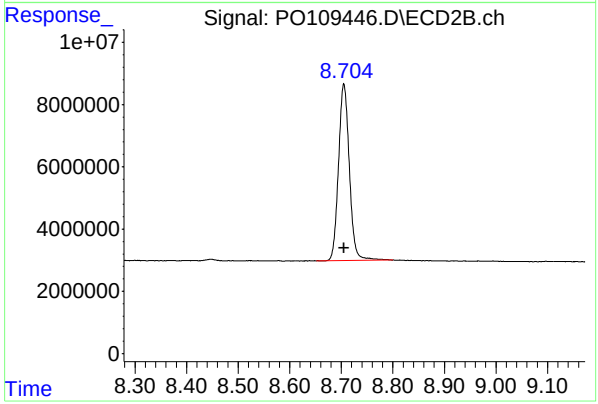
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 133448299
Conc: 25.59 ng/ml



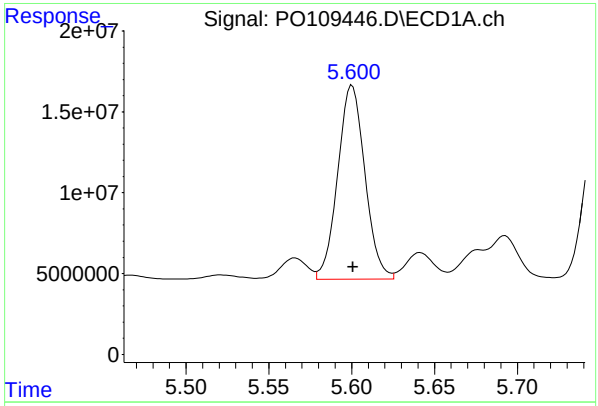
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 224659165
Conc: 26.34 ng/ml



#2 Decachlorobiphenyl

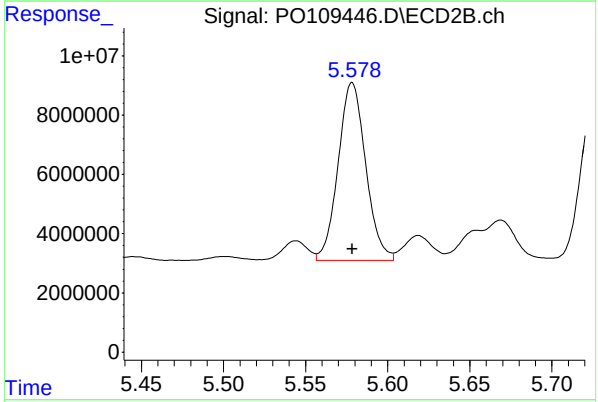
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 82751432
Conc: 26.93 ng/ml



#26 AR-1254-1

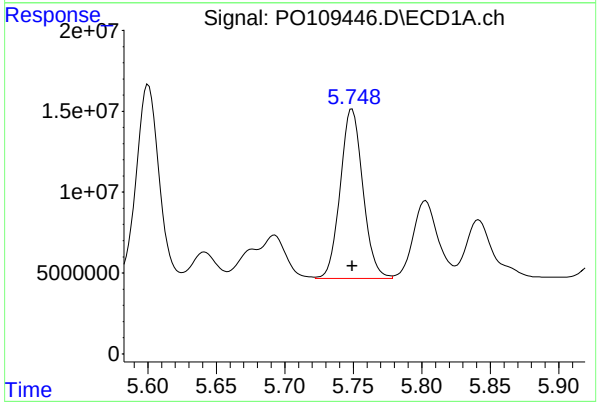
R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 137123530
Conc: 266.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



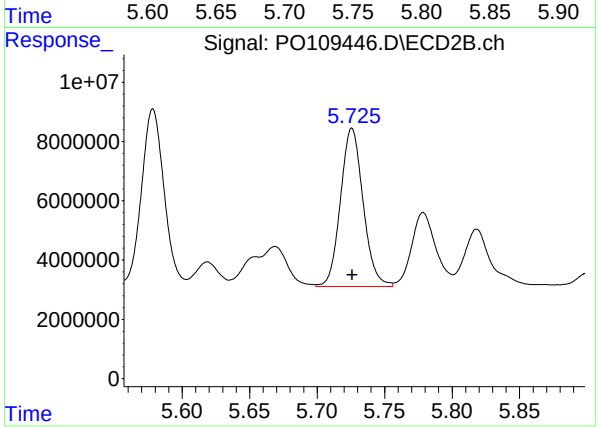
#26 AR-1254-1

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 70215336
Conc: 269.11 ng/ml



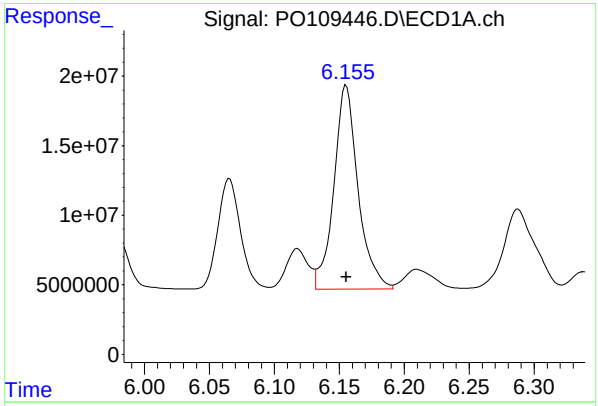
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 120306081
Conc: 266.47 ng/ml



#27 AR-1254-2

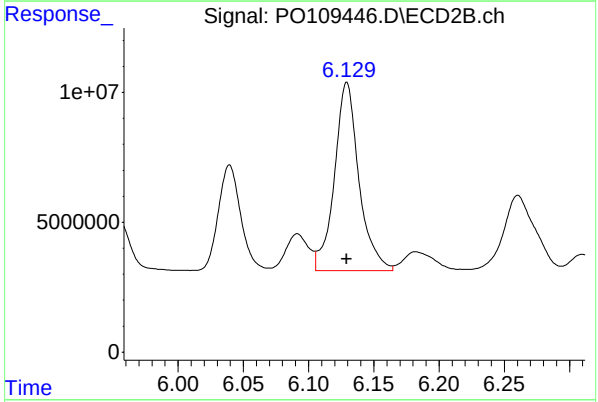
R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 62303614
Conc: 270.09 ng/ml



#28 AR-1254-3

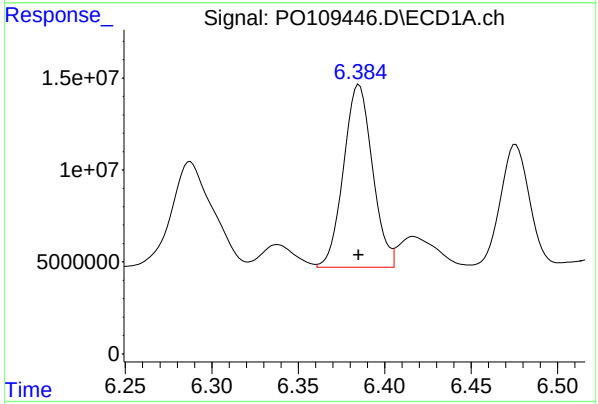
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 190202114
Conc: 262.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



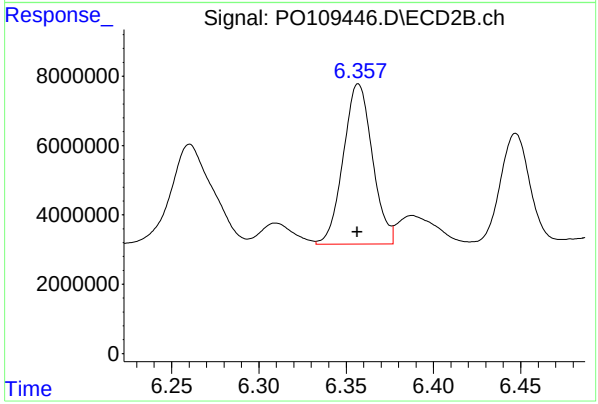
#28 AR-1254-3

R.T.: 6.129 min
Delta R.T.: 0.000 min
Response: 94726512
Conc: 262.44 ng/ml



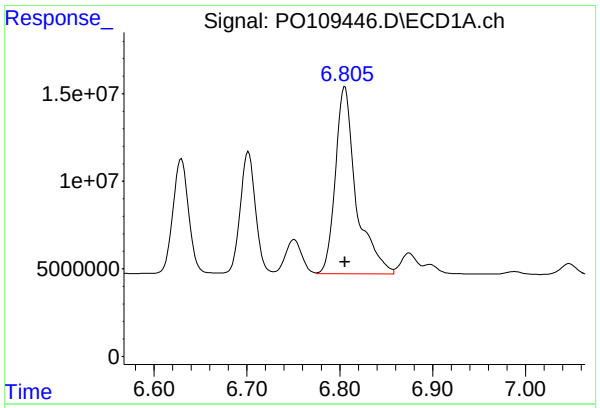
#29 AR-1254-4

R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 115341712
Conc: 269.02 ng/ml



#29 AR-1254-4

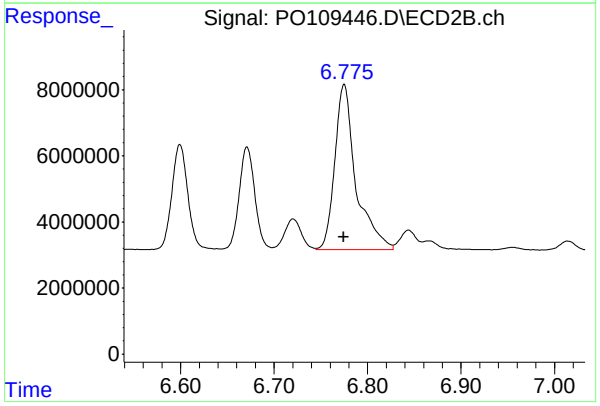
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 53701999
Conc: 268.85 ng/ml



#30 AR-1254-5

R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 165957556
Conc: 262.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 78525114
Conc: 264.95 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 23:12
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

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 03:06:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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...	3.696	3.693	42478021	22408254	4.315m	4.297
2)	SA Decachlor...	8.755	8.706	43911860	16400189	5.149	5.338
	Target Compounds						
26)	L6 AR-1254-1	5.601	5.578	27168777	13670107	52.828m	52.393m
27)	L6 AR-1254-2	5.749	5.726	23620321	13084376	52.317m	56.721m
28)	L6 AR-1254-3	6.156	6.128	35558931	17874982	49.004m	49.522m
29)	L6 AR-1254-4	6.384	6.355	18803102	8443949	43.856m	42.273m
30)	L6 AR-1254-5	6.806	6.774	30890950	15538233	48.907	52.427

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 23:12
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

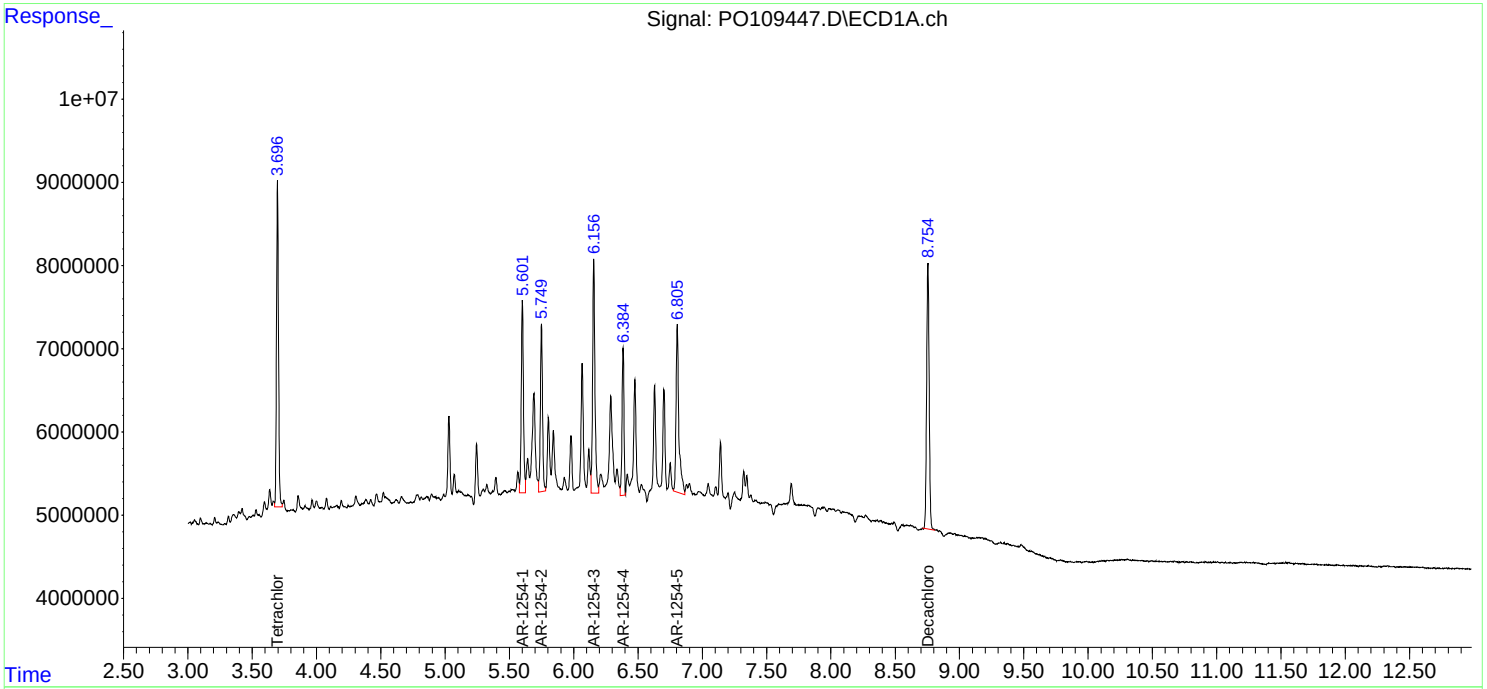
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

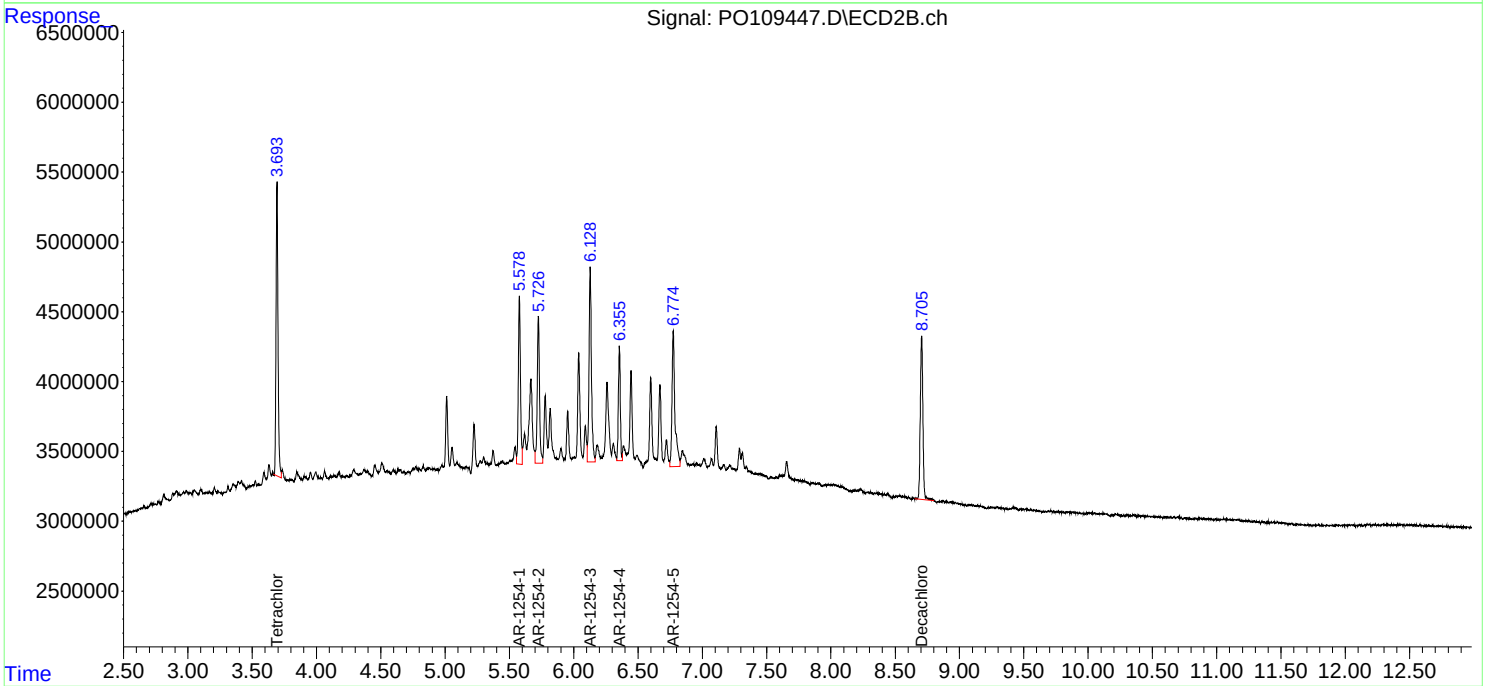
Manual Integrations APPROVED

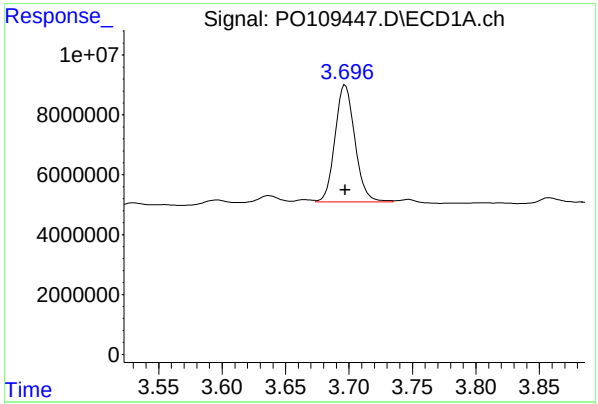
Reviewed By :Yogesh Patel 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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







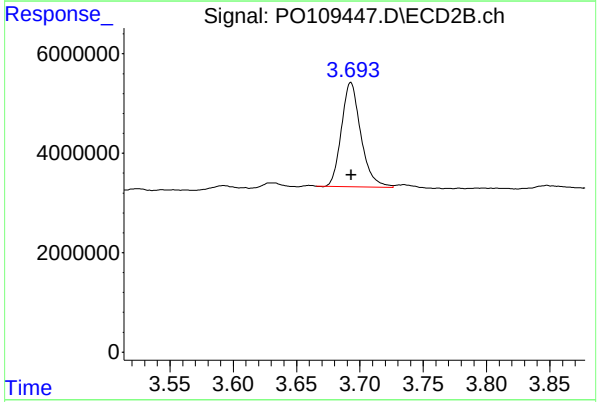
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 42478021
Conc: 4.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

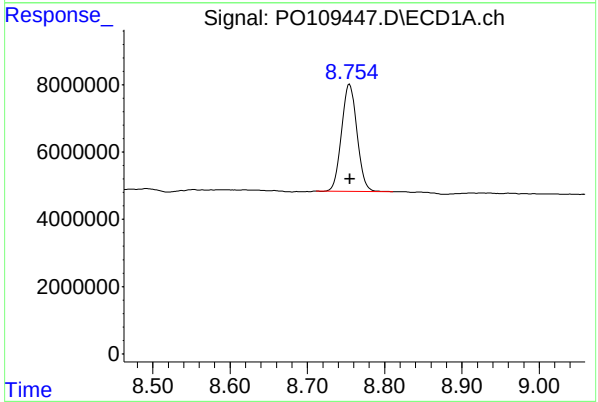
Manual Integrations APPROVED

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



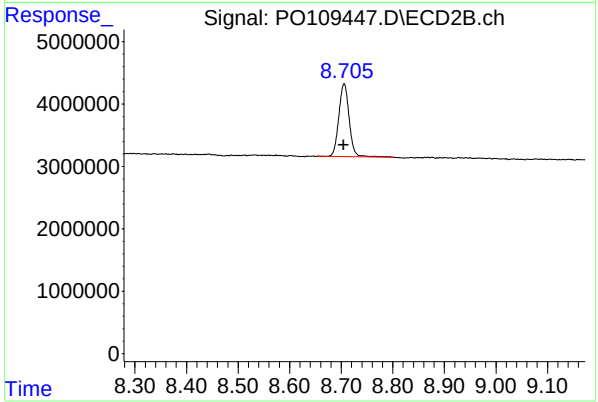
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 22408254
Conc: 4.30 ng/ml



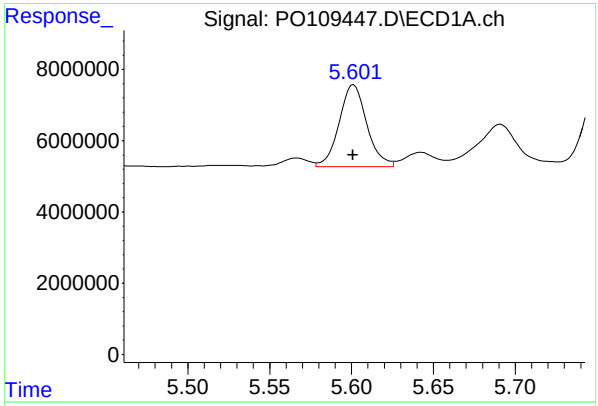
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 43911860
Conc: 5.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 16400189
Conc: 5.34 ng/ml



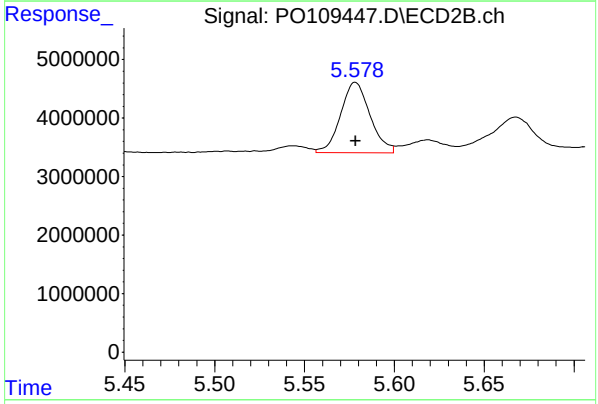
#26 AR-1254-1

R.T.: 5.601 min
Delta R.T.: 0.000 mi
Response: 27168777
Conc: 52.83 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

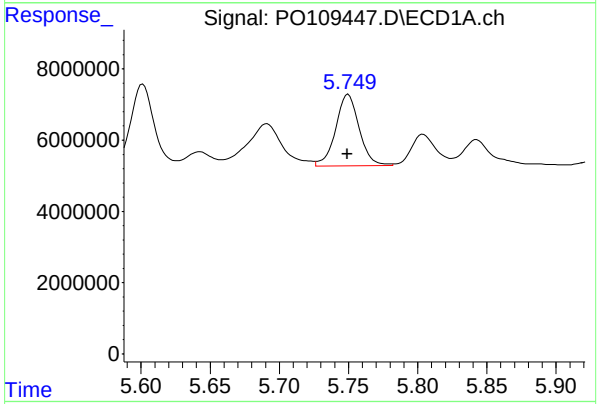
Manual Integrations APPROVED

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



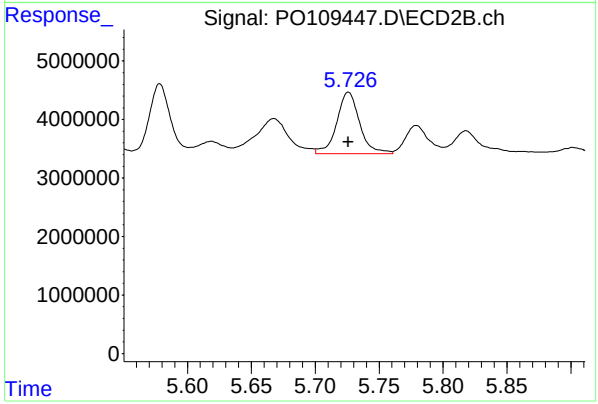
#26 AR-1254-1

R.T.: 5.578 min
Delta R.T.: 0.000 min
Response: 13670107
Conc: 52.39 ng/ml m



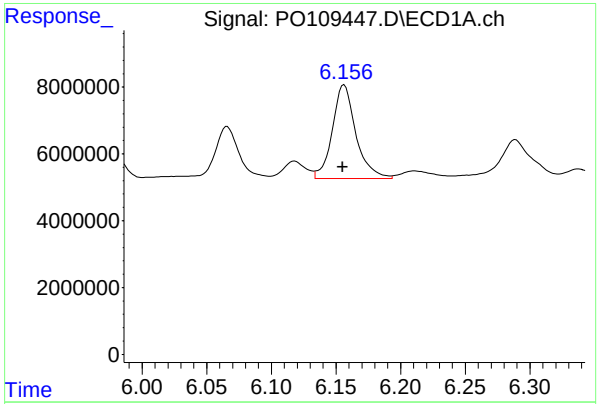
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 23620321
Conc: 52.32 ng/ml m



#27 AR-1254-2

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 13084376
Conc: 56.72 ng/ml m



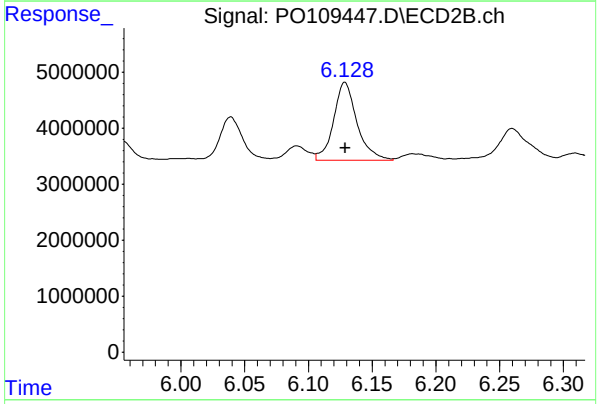
#28 AR-1254-3

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 35558931
Conc: 49.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

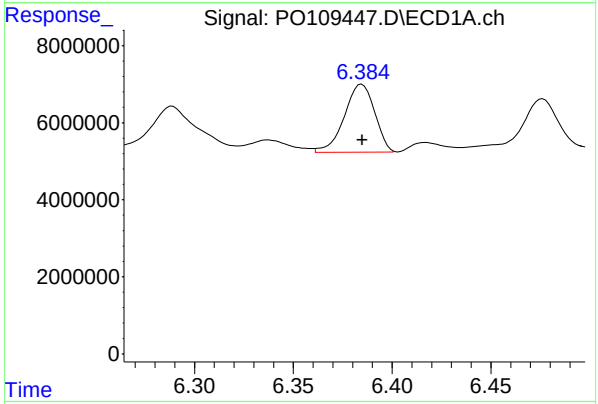
Manual Integrations APPROVED

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



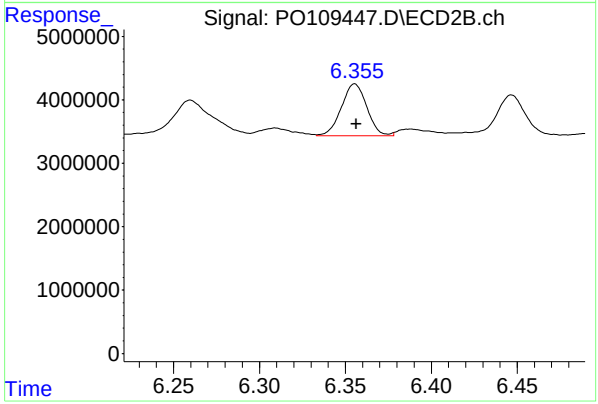
#28 AR-1254-3

R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 17874982
Conc: 49.52 ng/ml m



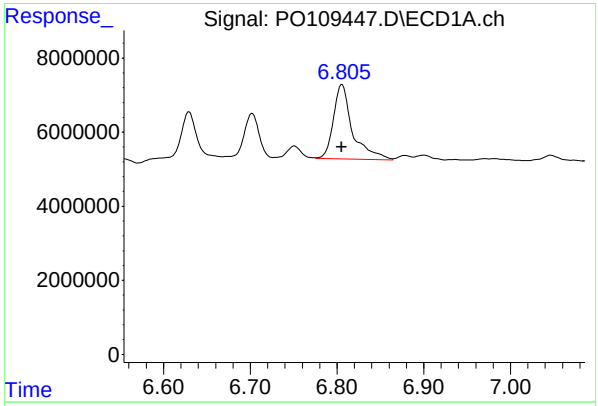
#29 AR-1254-4

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 18803102
Conc: 43.86 ng/ml m



#29 AR-1254-4

R.T.: 6.355 min
Delta R.T.: -0.001 min
Response: 8443949
Conc: 42.27 ng/ml m



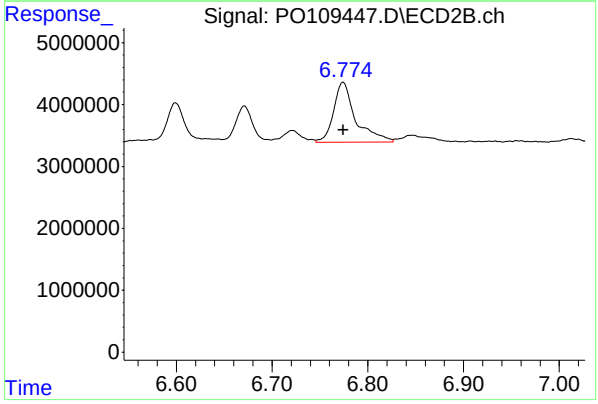
#30 AR-1254-5

R.T.: 6.806 min
Delta R.T.: 0.000 min
Response: 30890950
Conc: 48.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

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



#30 AR-1254-5

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 15538233
Conc: 52.43 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 23:30
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.693	478.0E6	256.6E6	50.000	50.000
2)	SA Decachlor...	8.754	8.705	414.0E6	151.0E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.845	6.814	332.9E6	158.6E6	500.000	500.000
37)	L8 AR-1262-2	7.346	7.313	564.9E6	249.3E6	500.000	500.000
38)	L8 AR-1262-3	7.632	7.597	224.1E6	98127525	500.000	500.000
39)	L8 AR-1262-4	7.696	7.661	414.6E6	177.4E6	500.000	500.000
40)	L8 AR-1262-5	8.193	8.154	186.7E6	71568799	500.000	500.000

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

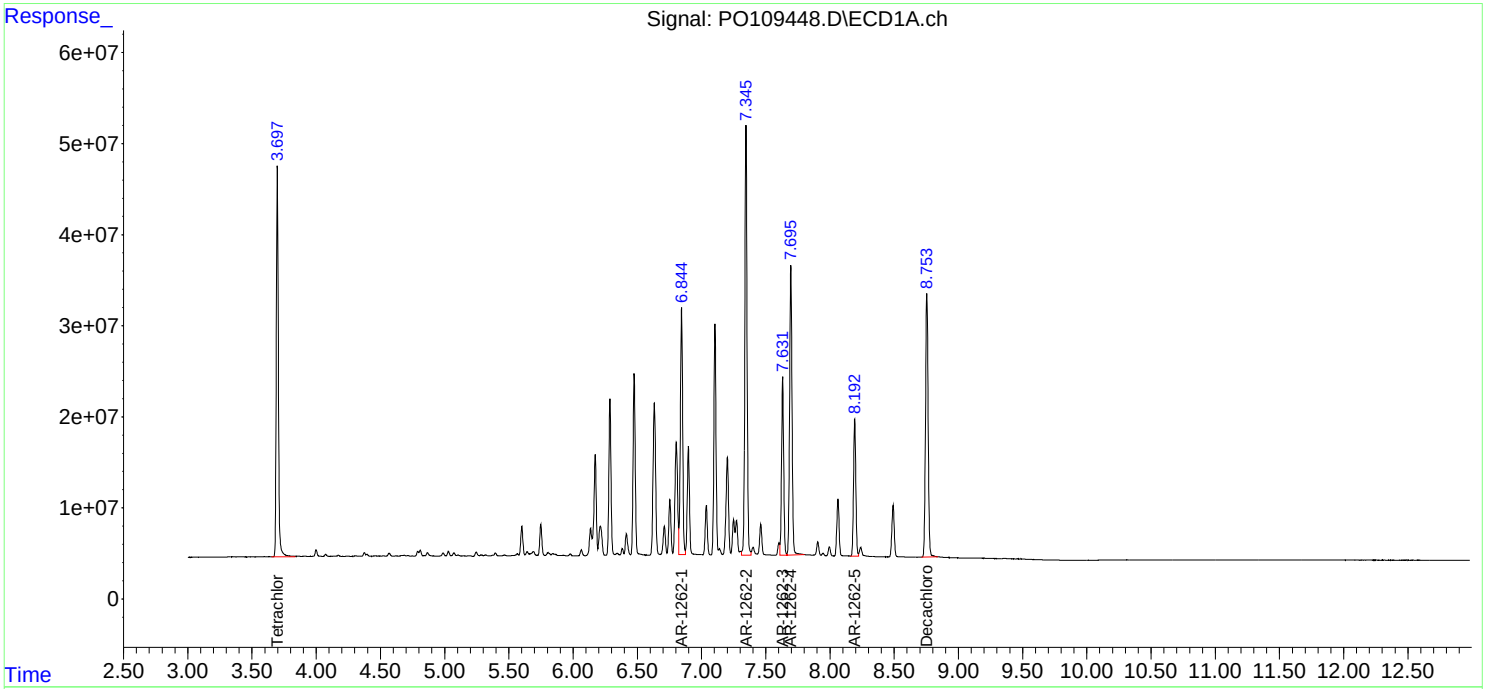
ICAL Form

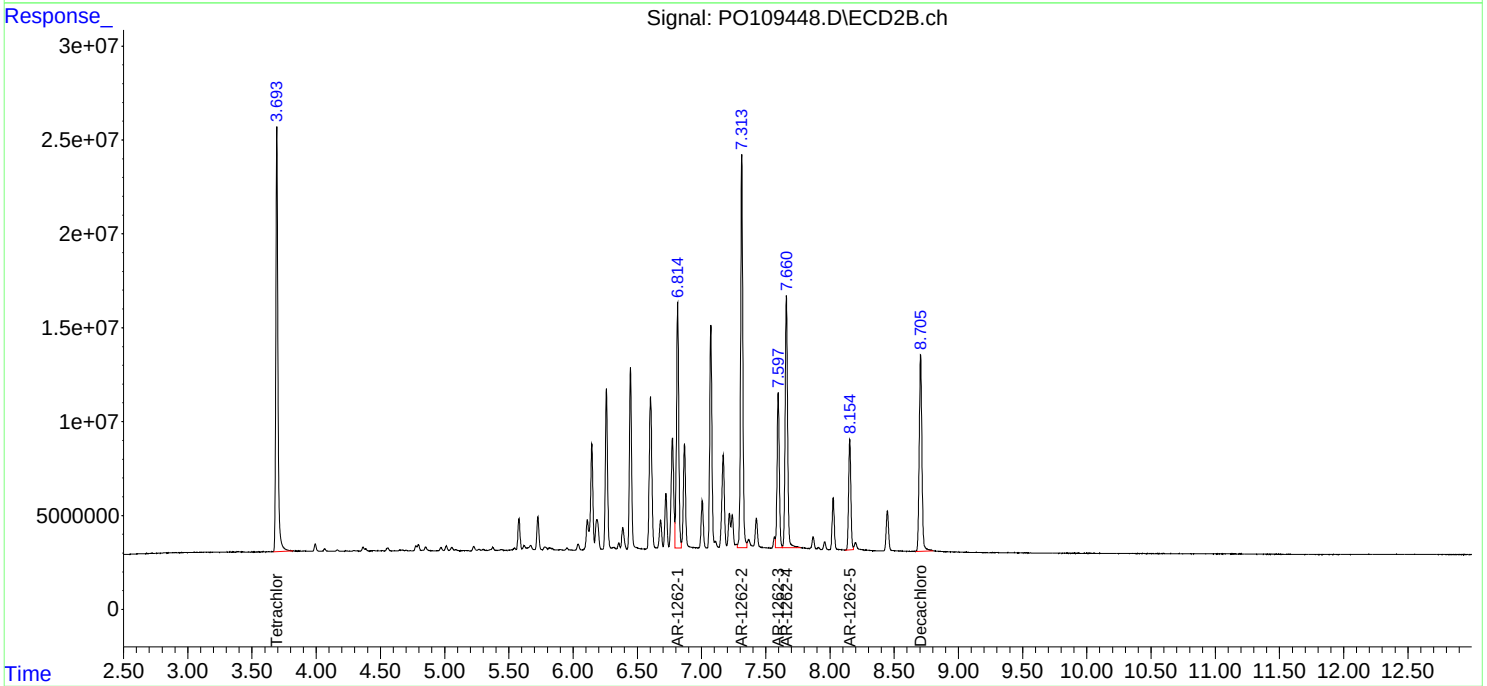
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 23:30
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

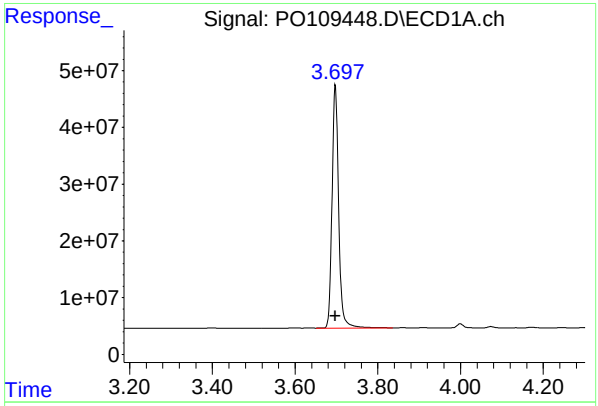
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



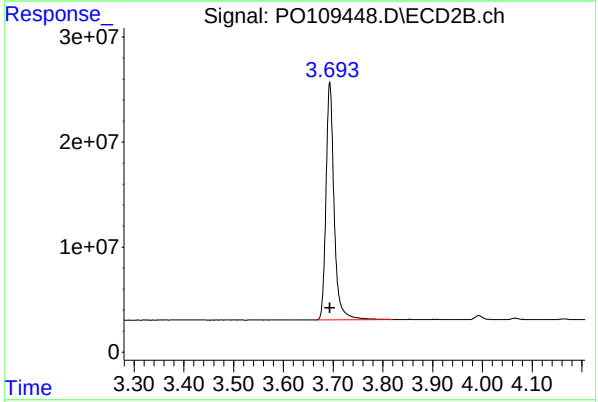




#1 Tetrachloro-m-xylene

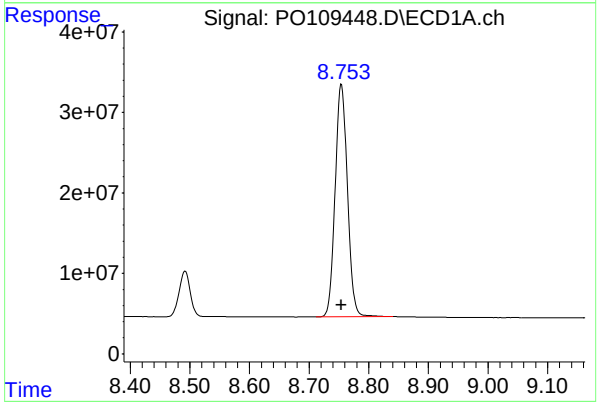
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 477994792
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



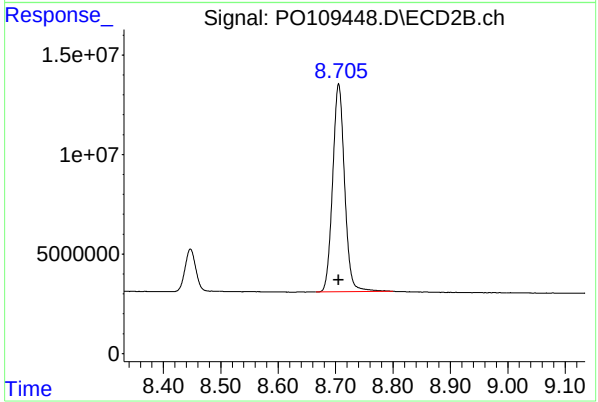
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 256570070
Conc: 50.00 ng/ml



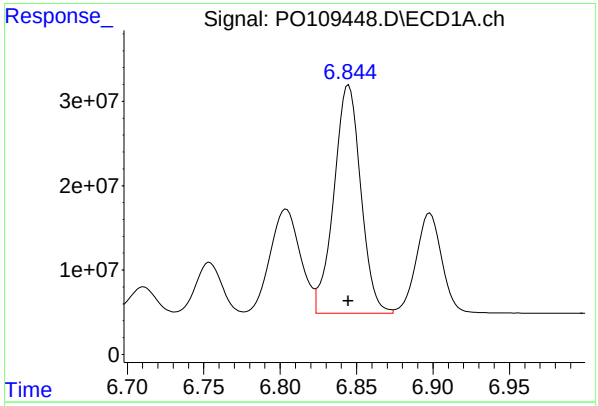
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 413952156
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

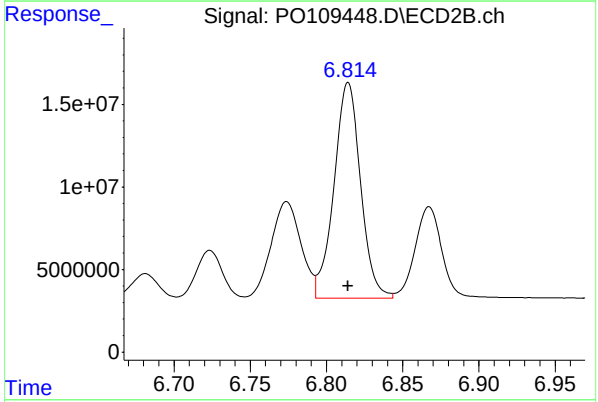
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 150979071
Conc: 50.00 ng/ml



#36 AR-1262-1

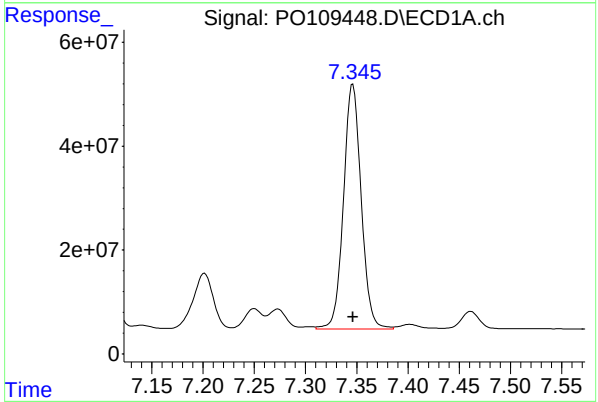
R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 332921455
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



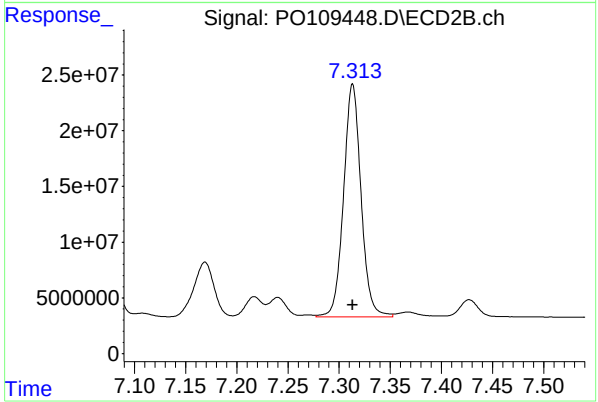
#36 AR-1262-1

R.T.: 6.814 min
Delta R.T.: 0.000 min
Response: 158605917
Conc: 500.00 ng/ml



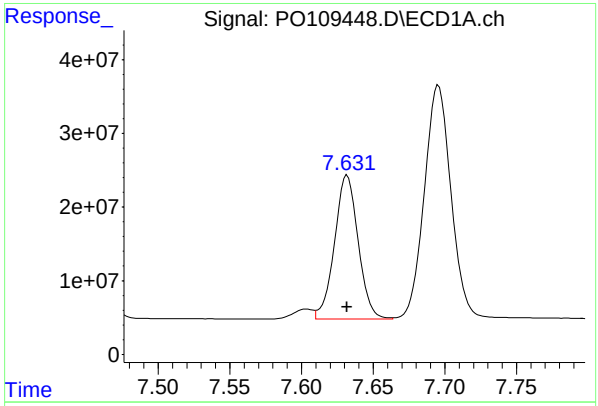
#37 AR-1262-2

R.T.: 7.346 min
Delta R.T.: 0.000 min
Response: 564861797
Conc: 500.00 ng/ml



#37 AR-1262-2

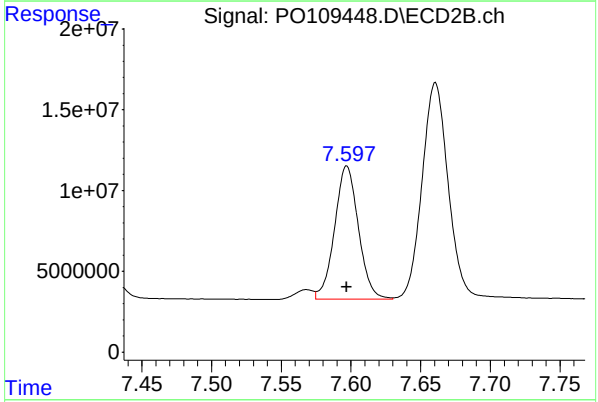
R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 249310202
Conc: 500.00 ng/ml



#38 AR-1262-3

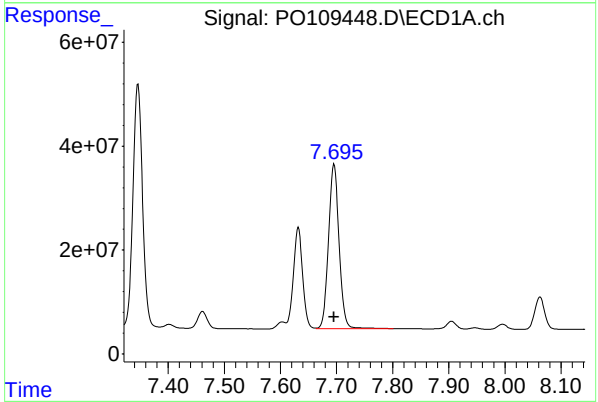
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 224131563
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



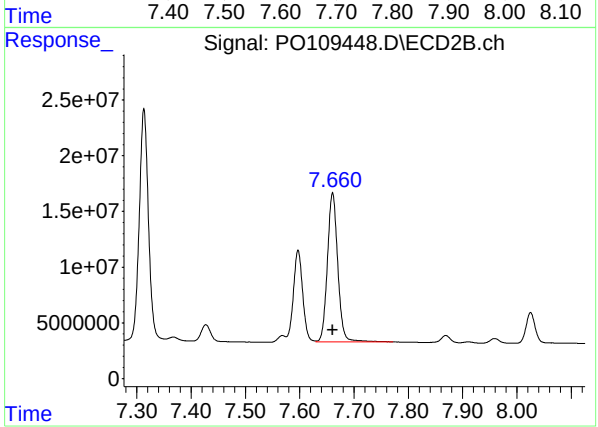
#38 AR-1262-3

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 98127525
Conc: 500.00 ng/ml



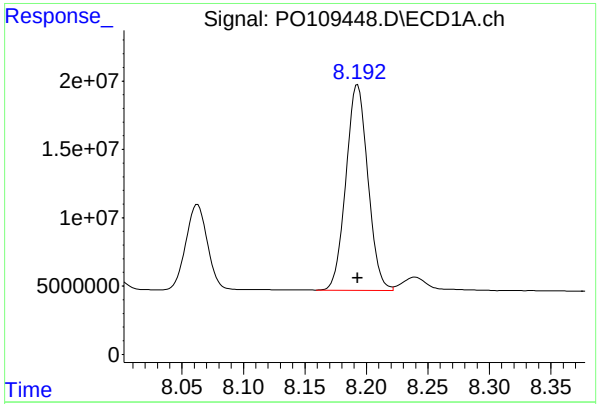
#39 AR-1262-4

R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 414604534
Conc: 500.00 ng/ml



#39 AR-1262-4

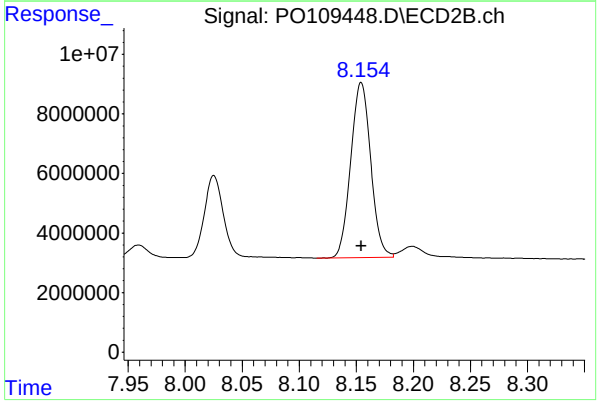
R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 177444501
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 186664647
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.154 min
Delta R.T.: 0.000 min
Response: 71568799
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 23:48
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	965.3E6	526.7E6	96.981	98.845
2)	SA Decachlor...	8.755	8.706	1414.8E6	495.1E6	97.758	96.622
	Target Compounds						
41)	L9 AR-1268-1	7.633	7.597	1298.9E6	554.1E6	985.386	982.199
42)	L9 AR-1268-2	7.697	7.662	1196.3E6	512.6E6	990.433	984.000
43)	L9 AR-1268-3	7.906	7.869	1000.4E6	413.6E6	987.744	983.635
44)	L9 AR-1268-4	8.193	8.153	407.5E6	153.7E6	969.568	942.671
45)	L9 AR-1268-5	8.493	8.447	3060.4E6	1087.2E6	1007.828	1001.290

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

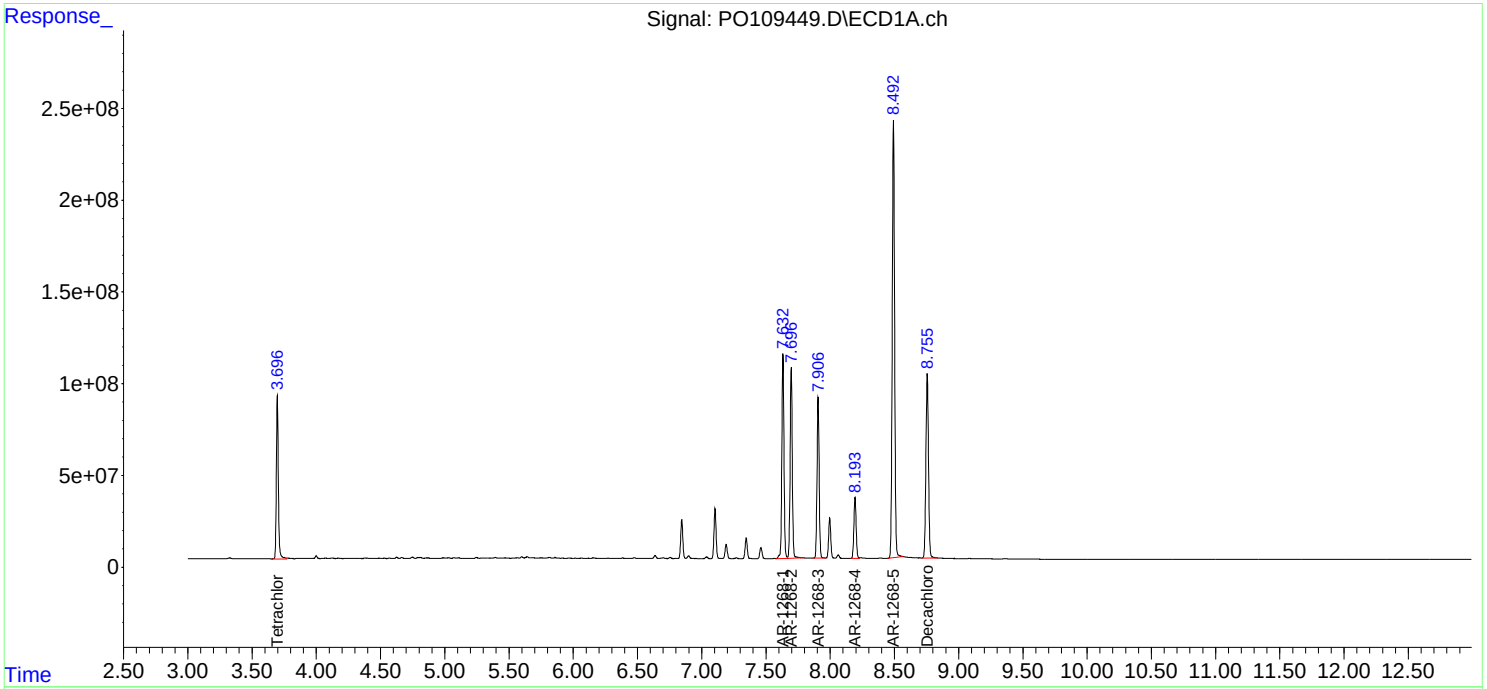
ICAL Form

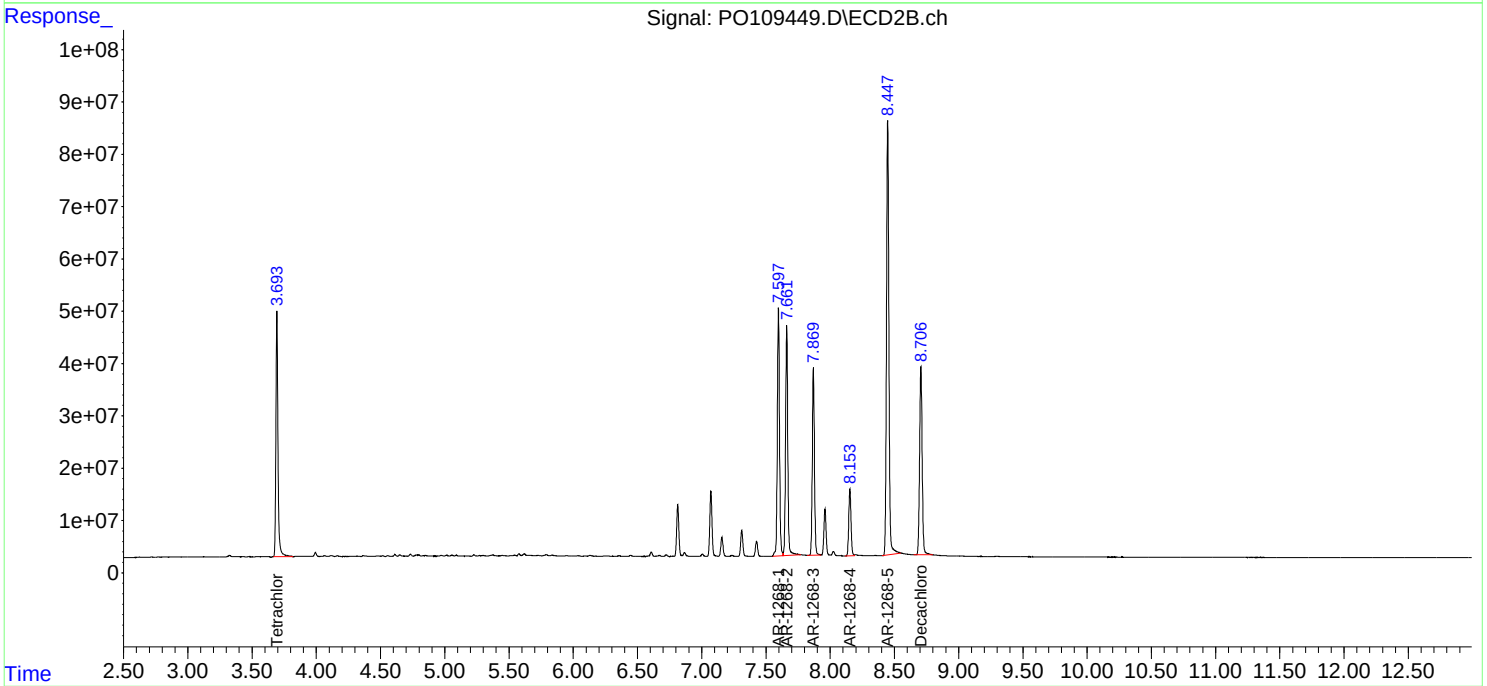
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 23:48
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

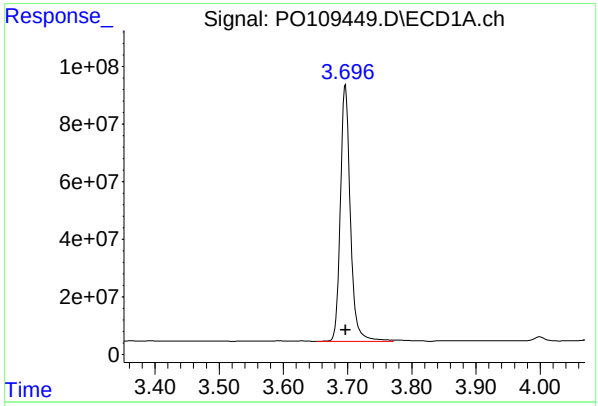
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



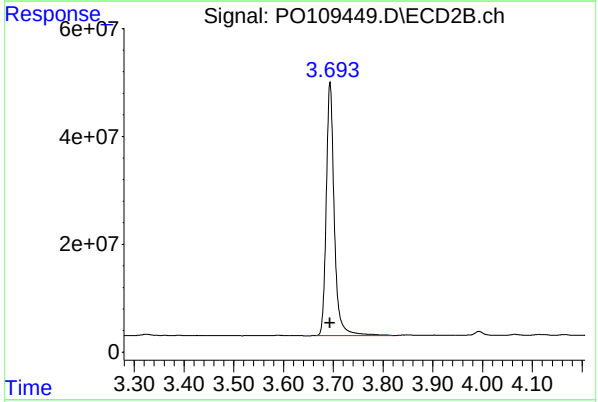




#1 Tetrachloro-m-xylene

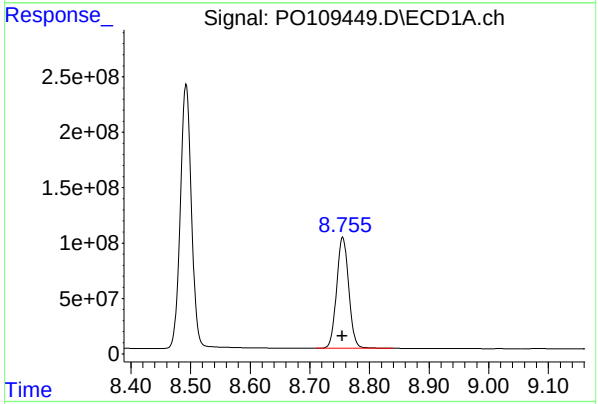
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 965263002
Conc: 96.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



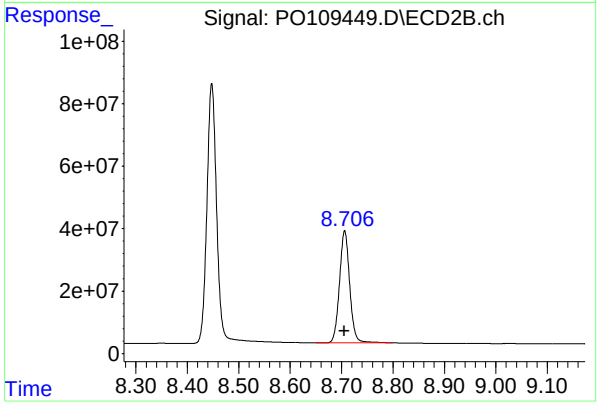
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 526681614
Conc: 98.85 ng/ml



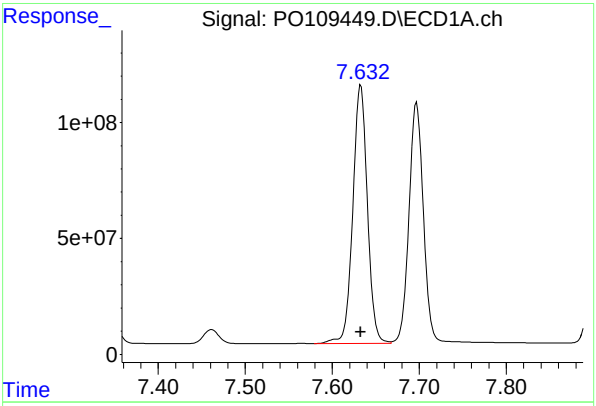
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 1414764289
Conc: 97.76 ng/ml



#2 Decachlorobiphenyl

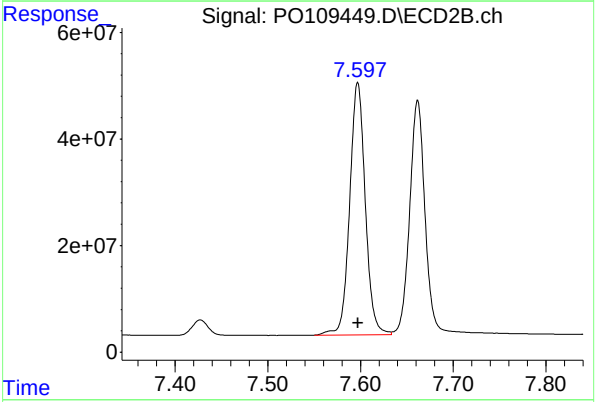
R.T.: 8.706 min
Delta R.T.: 0.000 min
Response: 495083575
Conc: 96.62 ng/ml



#41 AR-1268-1

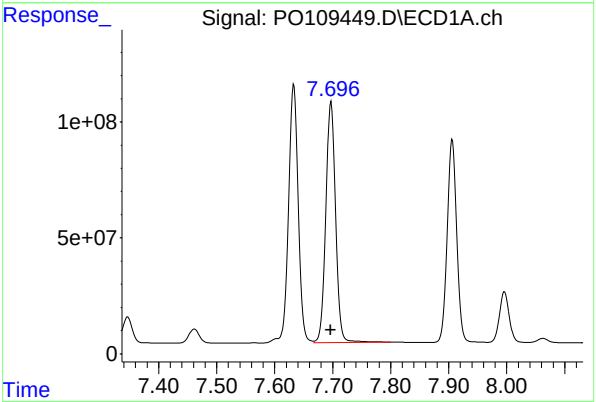
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 1298860853
Conc: 985.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



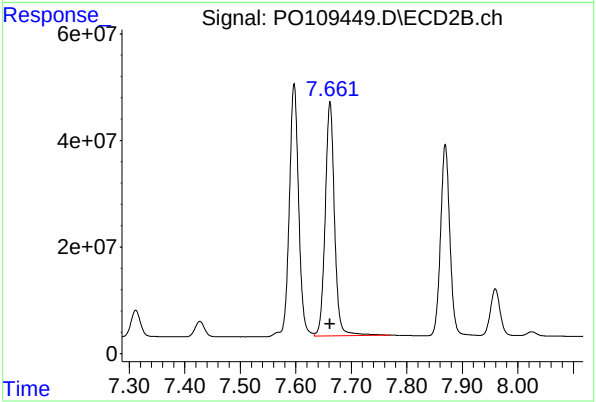
#41 AR-1268-1

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 554131487
Conc: 982.20 ng/ml



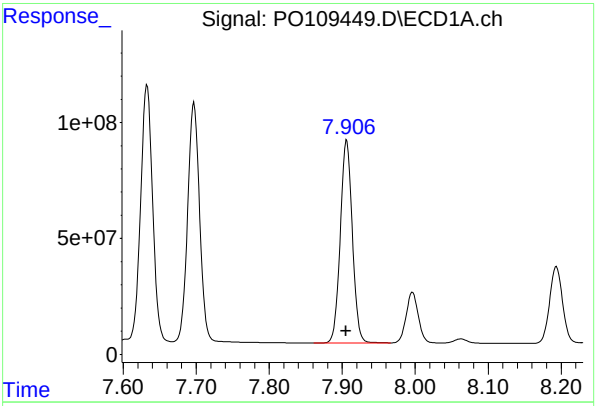
#42 AR-1268-2

R.T.: 7.697 min
Delta R.T.: 0.000 min
Response: 1196326079
Conc: 990.43 ng/ml



#42 AR-1268-2

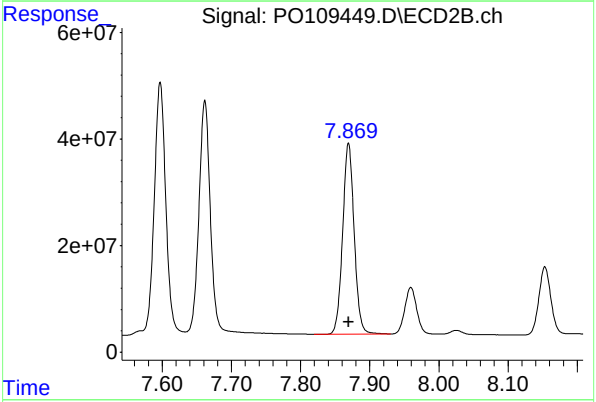
R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 512614105
Conc: 984.00 ng/ml



#43 AR-1268-3

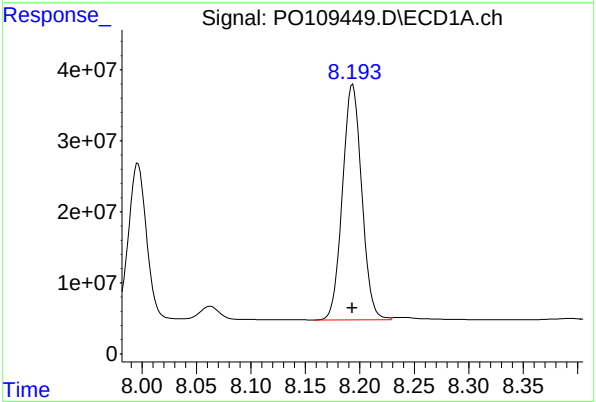
R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 1000400149
Conc: 987.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



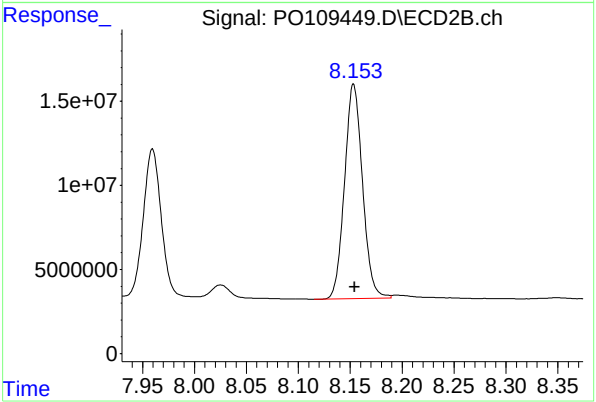
#43 AR-1268-3

R.T.: 7.869 min
Delta R.T.: 0.000 min
Response: 413643589
Conc: 983.63 ng/ml



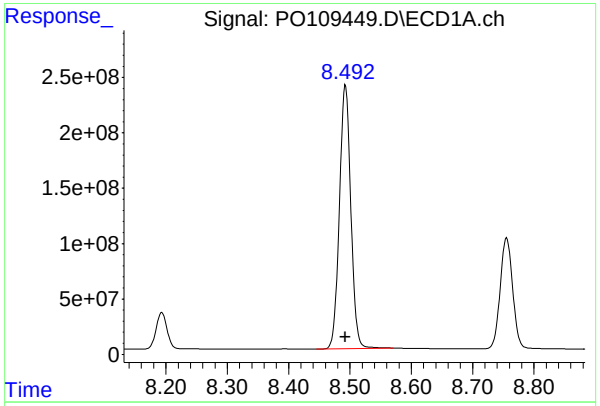
#44 AR-1268-4

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 407507962
Conc: 969.57 ng/ml



#44 AR-1268-4

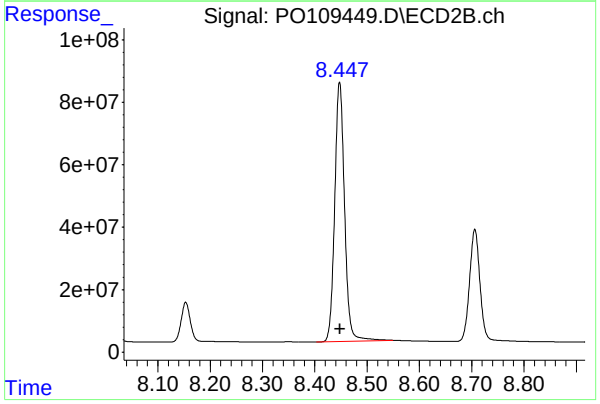
R.T.: 8.153 min
Delta R.T.: 0.000 min
Response: 153729603
Conc: 942.67 ng/ml



#45 AR-1268-5

R.T.: 8.493 min
Delta R.T.: 0.000 mi
Response: 3060378797
Conc: 1007.83 ng/

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.447 min
Delta R.T.: 0.000 min
Response: 1087226853
Conc: 1001.29 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:07
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.693	735.0E6	395.3E6	73.842	74.195
2)	SA Decachlor...	8.755	8.705	1059.4E6	373.0E6	73.204	72.789
	Target Compounds						
41)	L9 AR-1268-1	7.632	7.597	970.5E6	415.4E6	736.275	736.222
42)	L9 AR-1268-2	7.697	7.661	892.1E6	383.3E6	738.582	735.790
43)	L9 AR-1268-3	7.905	7.870	749.2E6	309.4E6	739.726	735.808
44)	L9 AR-1268-4	8.193	8.153	306.7E6	116.3E6	729.785	712.986
45)	L9 AR-1268-5	8.492	8.447	2260.0E6	808.5E6	744.267	744.582

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

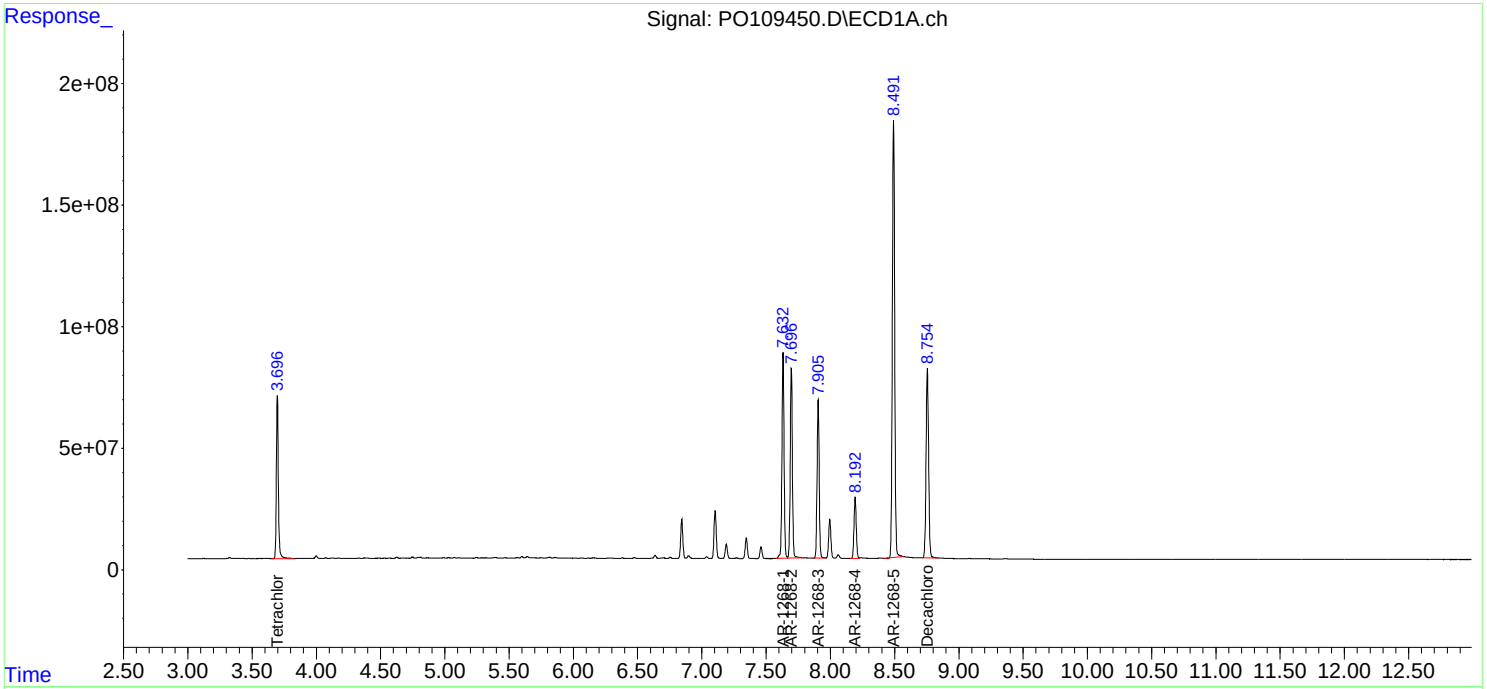
ICAL Form

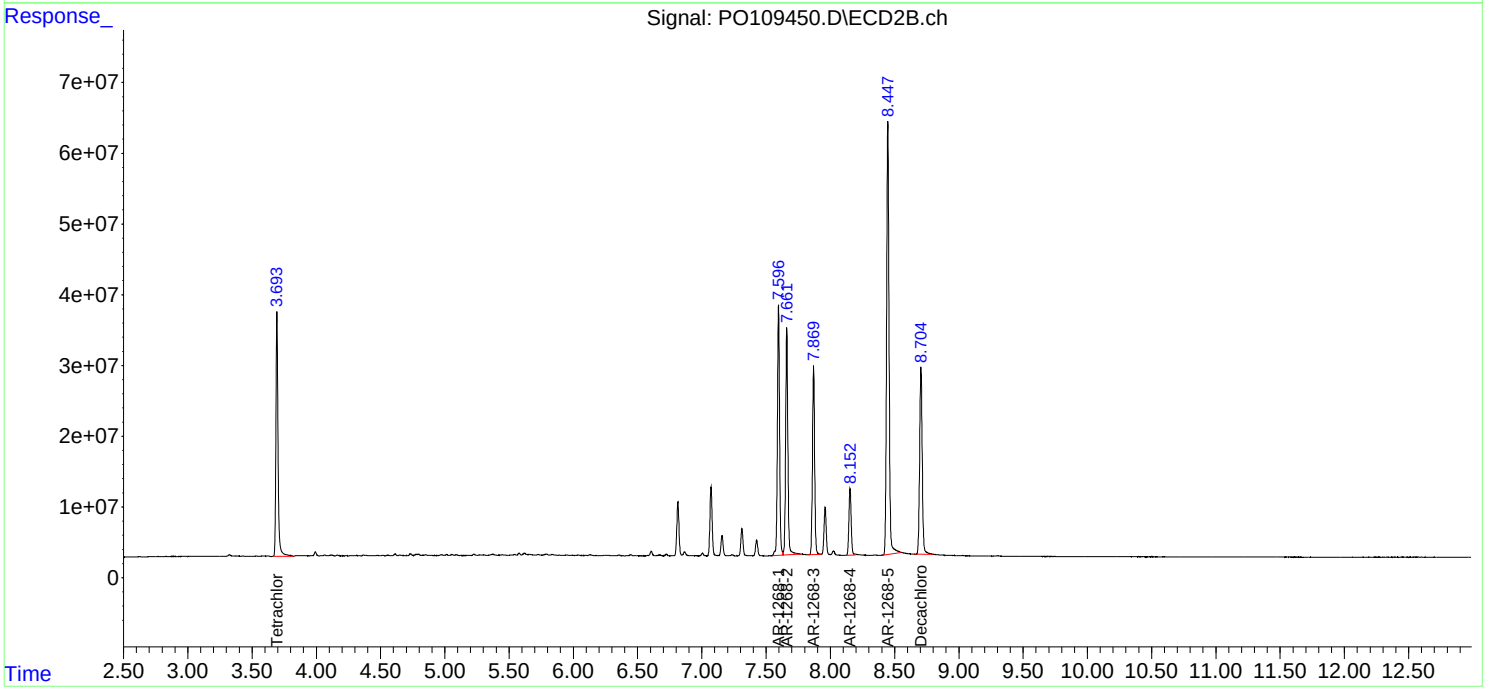
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:07
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

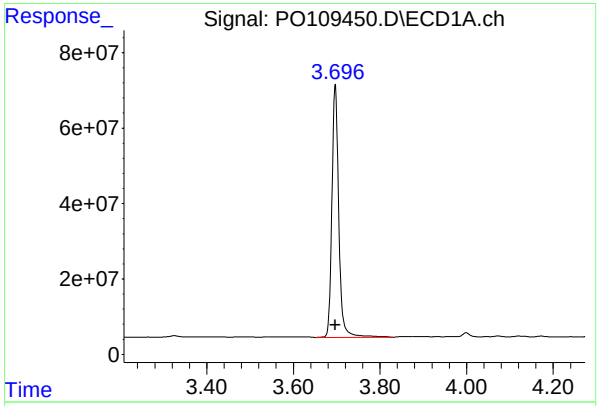
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



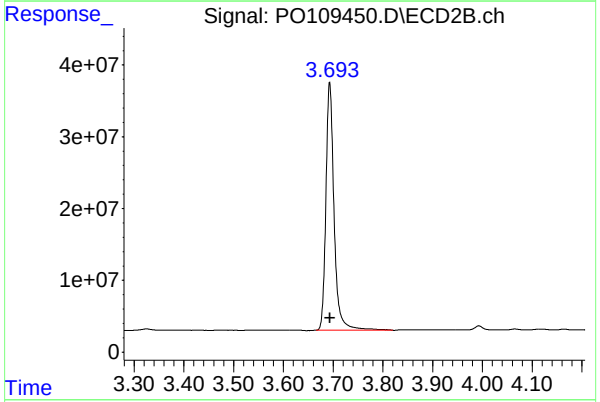




#1 Tetrachloro-m-xylene

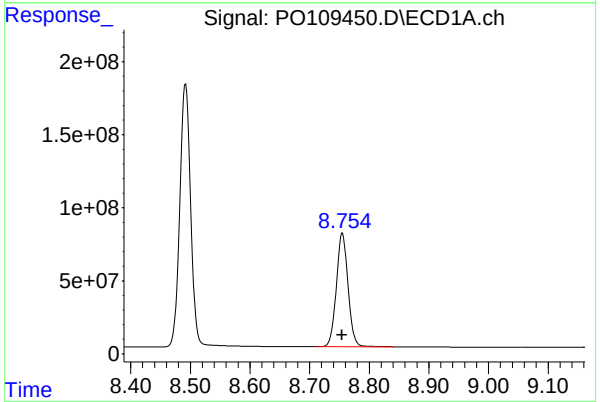
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 734954112
Conc: 73.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



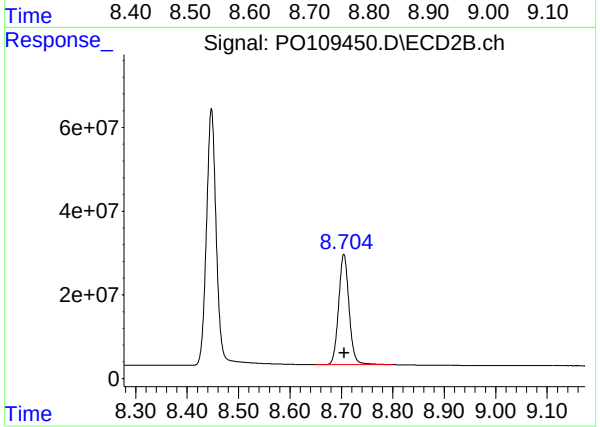
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 395334582
Conc: 74.19 ng/ml



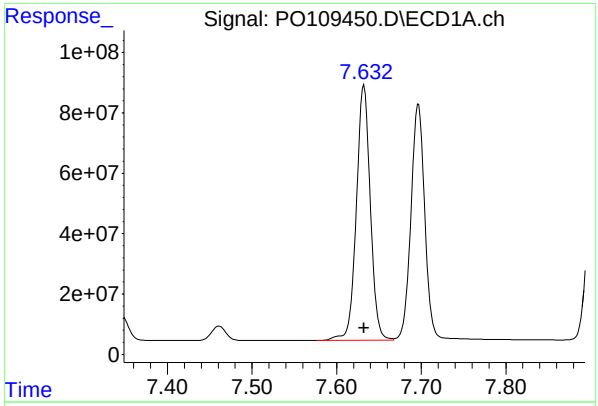
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 1059423838
Conc: 73.20 ng/ml



#2 Decachlorobiphenyl

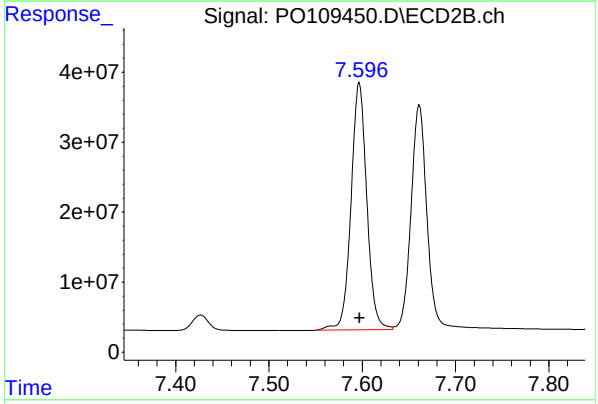
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 372964003
Conc: 72.79 ng/ml



#41 AR-1268-1

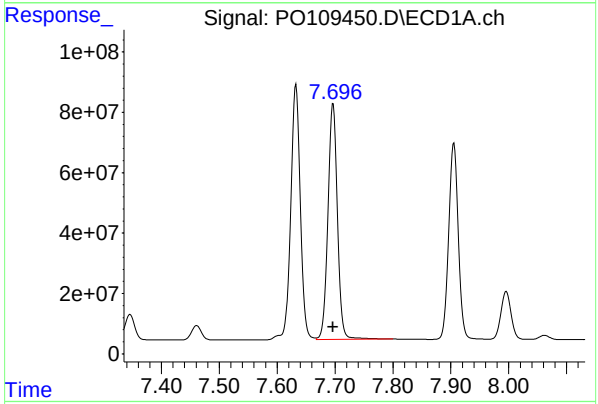
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 970501922
Conc: 736.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



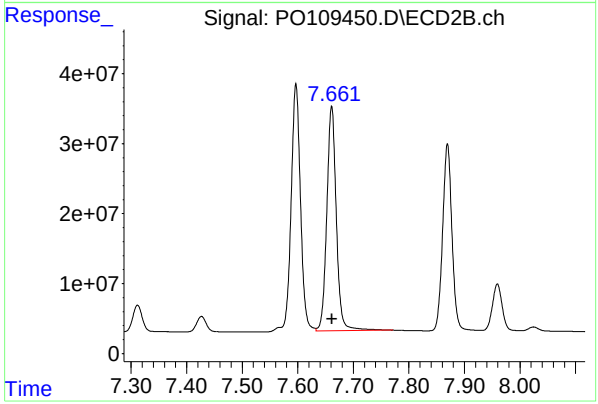
#41 AR-1268-1

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 415357746
Conc: 736.22 ng/ml



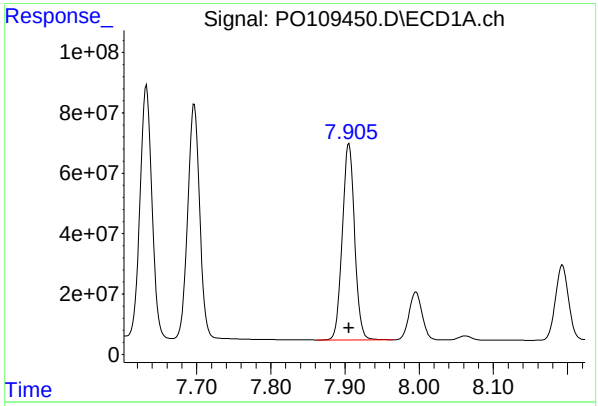
#42 AR-1268-2

R.T.: 7.697 min
Delta R.T.: 0.000 min
Response: 892119620
Conc: 738.58 ng/ml



#42 AR-1268-2

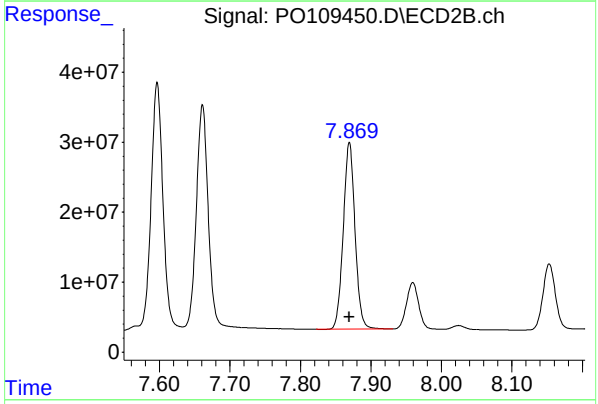
R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 383309442
Conc: 735.79 ng/ml



#43 AR-1268-3

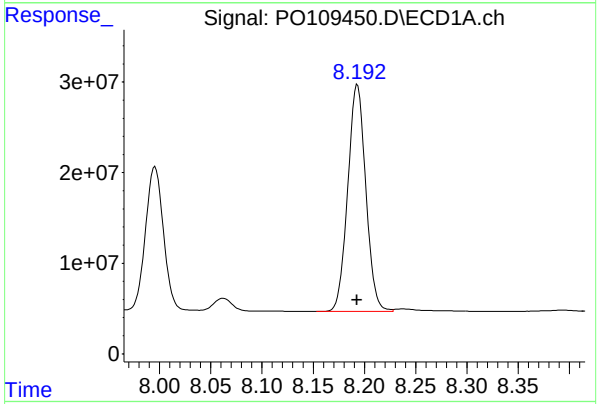
R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 749204336
Conc: 739.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



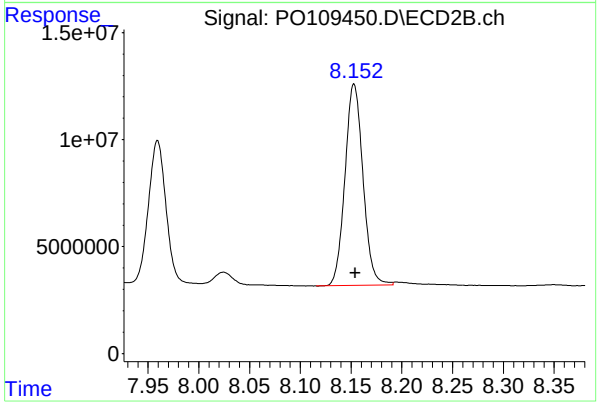
#43 AR-1268-3

R.T.: 7.870 min
Delta R.T.: 0.000 min
Response: 309425949
Conc: 735.81 ng/ml



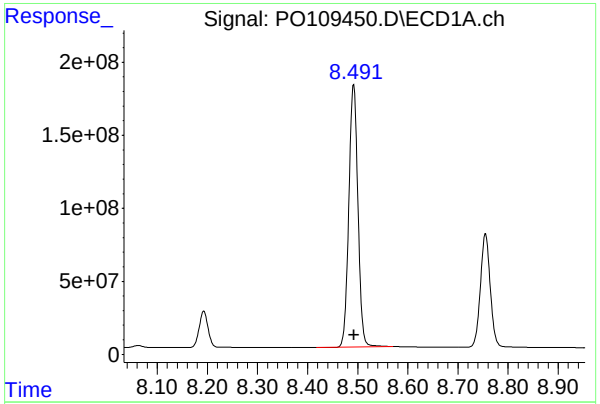
#44 AR-1268-4

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 306727329
Conc: 729.78 ng/ml



#44 AR-1268-4

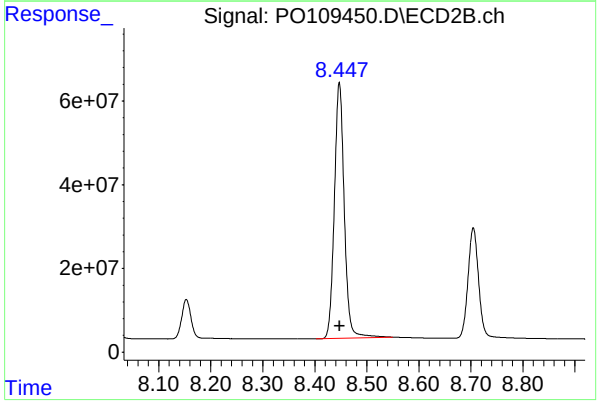
R.T.: 8.153 min
Delta R.T.: -0.001 min
Response: 116272933
Conc: 712.99 ng/ml



#45 AR-1268-5

R.T.: 8.492 min
Delta R.T.: 0.000 min
Response: 2260047854
Conc: 744.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.447 min
Delta R.T.: 0.000 min
Response: 808486655
Conc: 744.58 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:25
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.693	497.7E6	266.4E6	50.000	50.000
2)	SA Decachlor...	8.754	8.705	723.6E6	256.2E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.632	7.597	659.1E6	282.1E6	500.000	500.000
42)	L9 AR-1268-2	7.696	7.662	603.9E6	260.5E6	500.000	500.000
43)	L9 AR-1268-3	7.905	7.870	506.4E6	210.3E6	500.000	500.000
44)	L9 AR-1268-4	8.193	8.154	210.1E6	81539410	500.000	500.000
45)	L9 AR-1268-5	8.492	8.448	1518.3E6	542.9E6	500.000	500.000

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

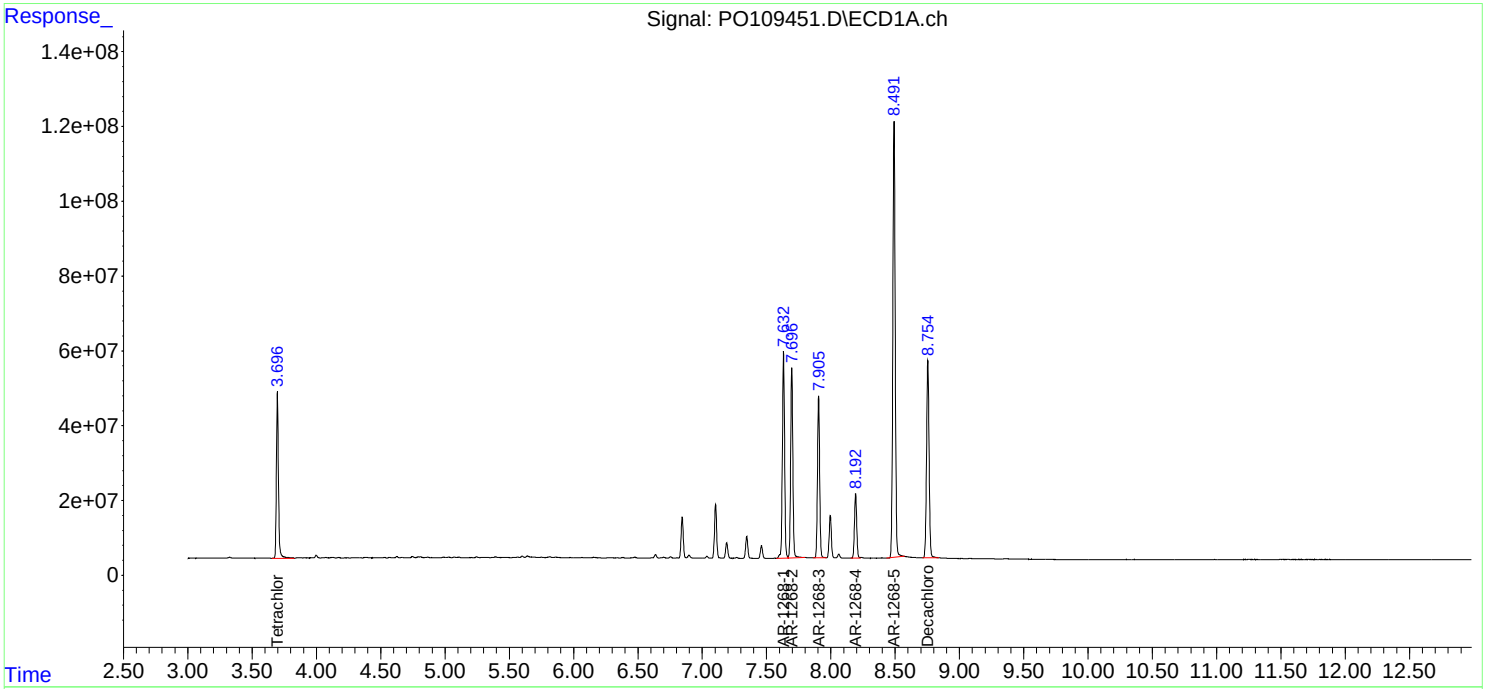
ICAL Form

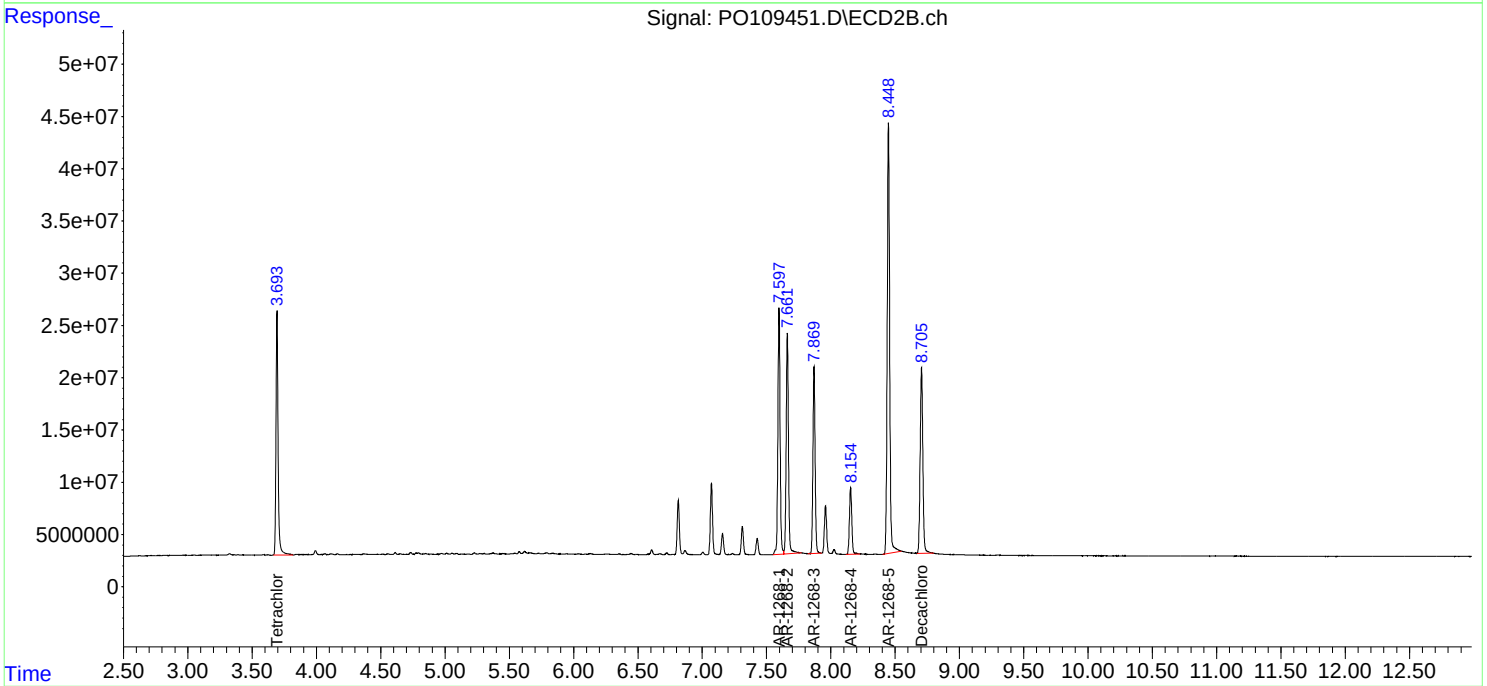
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:25
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

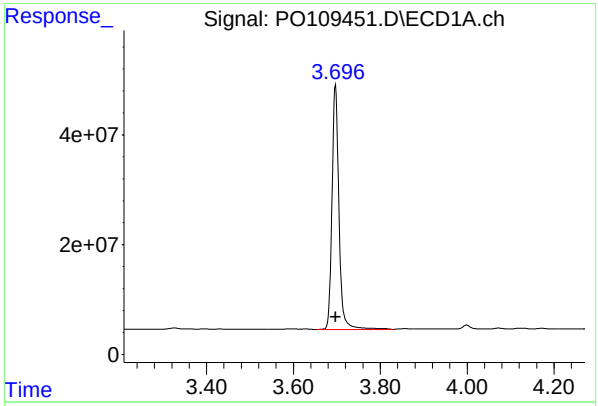
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



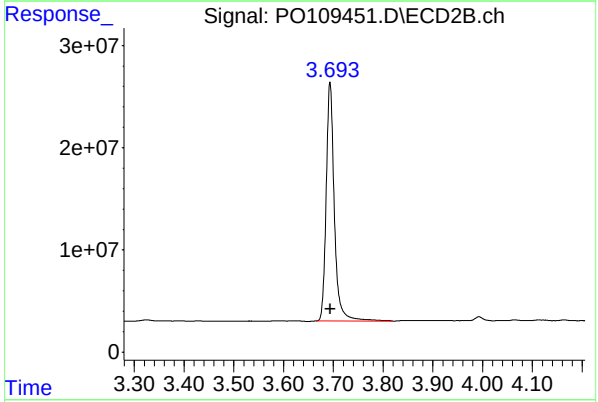




#1 Tetrachloro-m-xylene

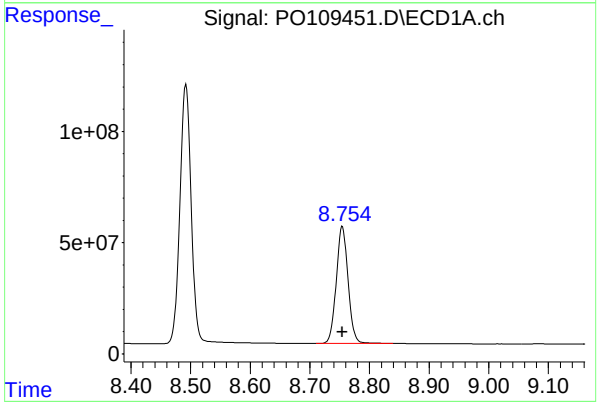
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 497654280
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



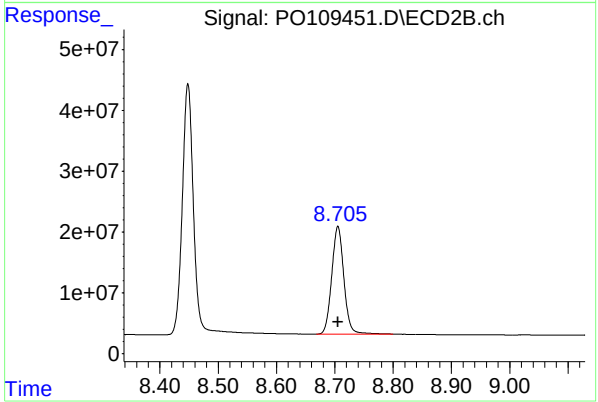
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 266417474
Conc: 50.00 ng/ml



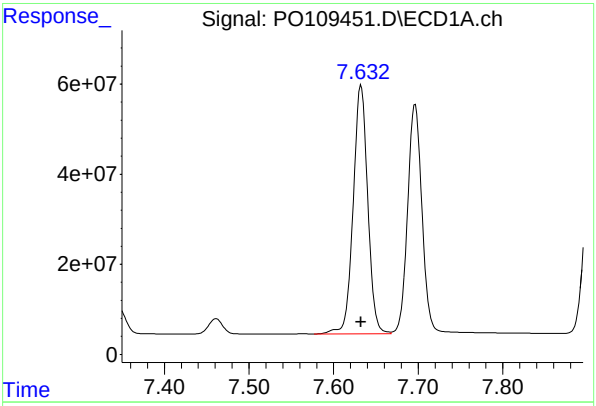
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 723605799
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

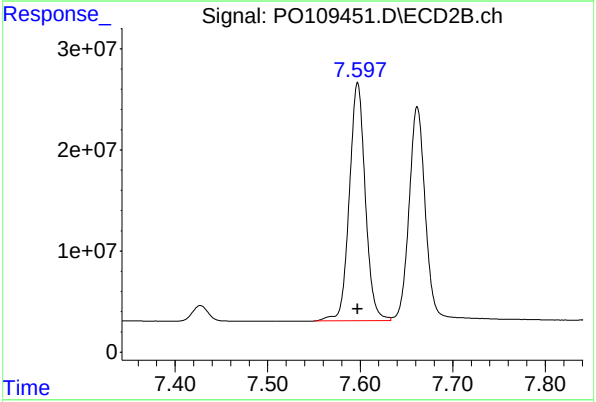
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 256196110
Conc: 50.00 ng/ml



#41 AR-1268-1

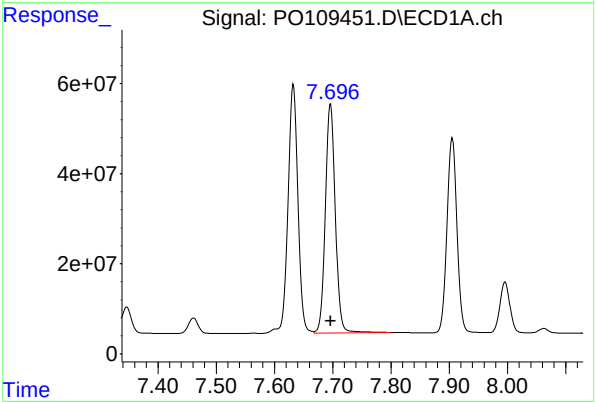
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 659062165
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



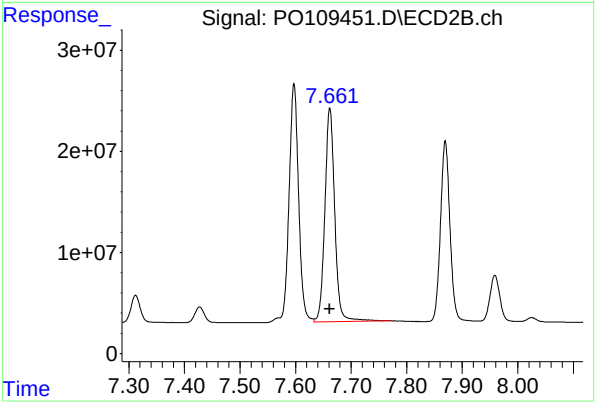
#41 AR-1268-1

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 282087280
Conc: 500.00 ng/ml



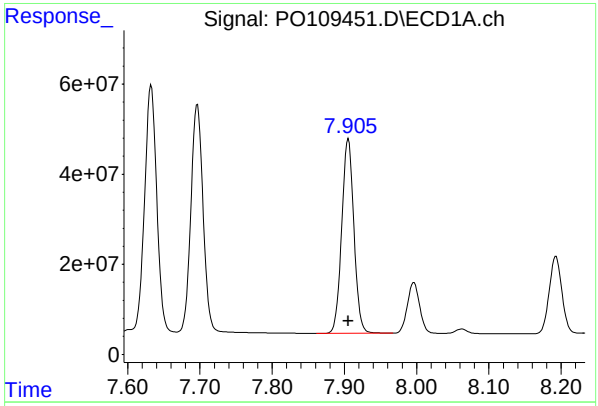
#42 AR-1268-2

R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 603940890
Conc: 500.00 ng/ml



#42 AR-1268-2

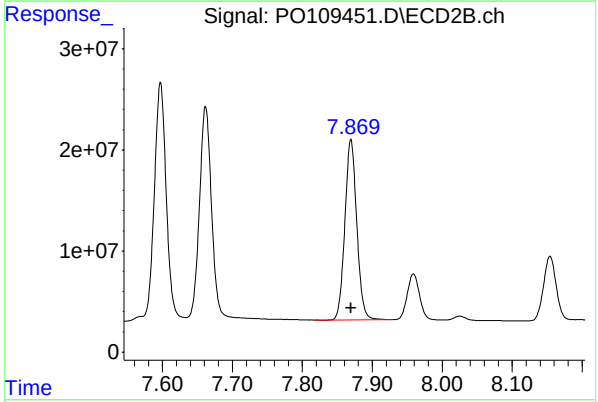
R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 260474736
Conc: 500.00 ng/ml



#43 AR-1268-3

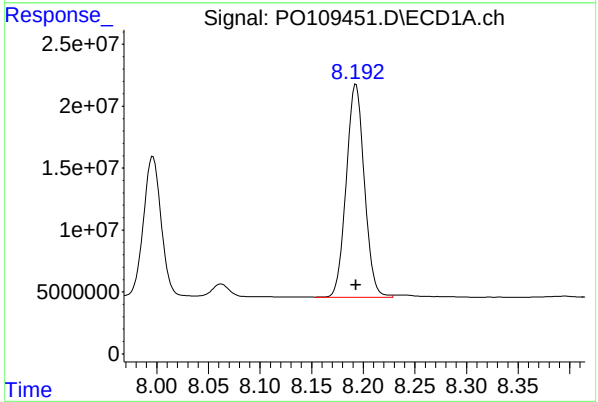
R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 506406551
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



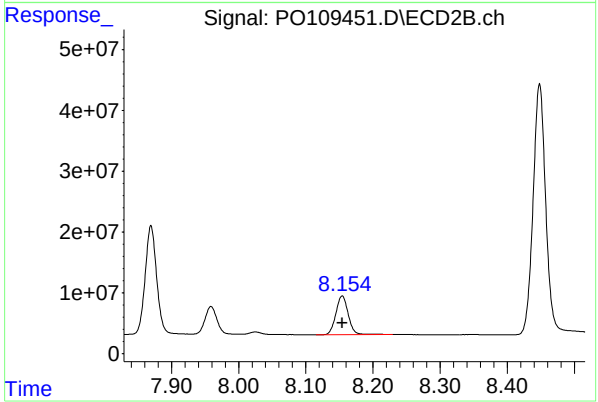
#43 AR-1268-3

R.T.: 7.870 min
Delta R.T.: 0.000 min
Response: 210262811
Conc: 500.00 ng/ml



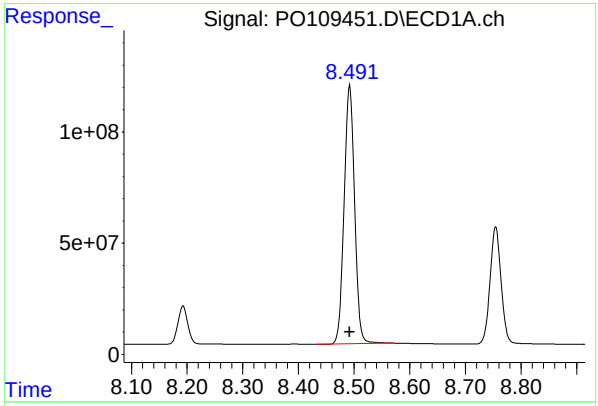
#44 AR-1268-4

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 210149211
Conc: 500.00 ng/ml



#44 AR-1268-4

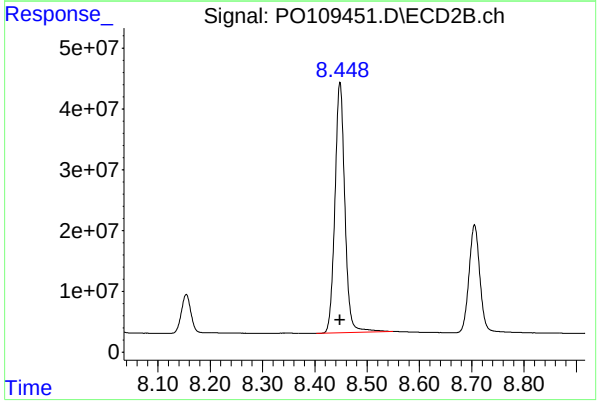
R.T.: 8.154 min
Delta R.T.: 0.000 min
Response: 81539410
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 8.492 min
Delta R.T.: 0.000 min
Response: 1518304561
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.448 min
Delta R.T.: 0.000 min
Response: 542913079
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:43
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.693	259.0E6	137.7E6	26.023	25.841
2)	SA Decachlor...	8.755	8.705	379.5E6	135.8E6	26.223	26.497
	Target Compounds						
41)	L9 AR-1268-1	7.632	7.597	341.4E6	147.8E6	259.019	261.921
42)	L9 AR-1268-2	7.697	7.661	311.6E6	135.9E6	258.003	260.784
43)	L9 AR-1268-3	7.905	7.869	262.4E6	110.6E6	259.092	263.118
44)	L9 AR-1268-4	8.193	8.153	110.5E6	42415364	262.992	260.091
45)	L9 AR-1268-5	8.492	8.447	768.8E6	280.3E6	253.190	258.141

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

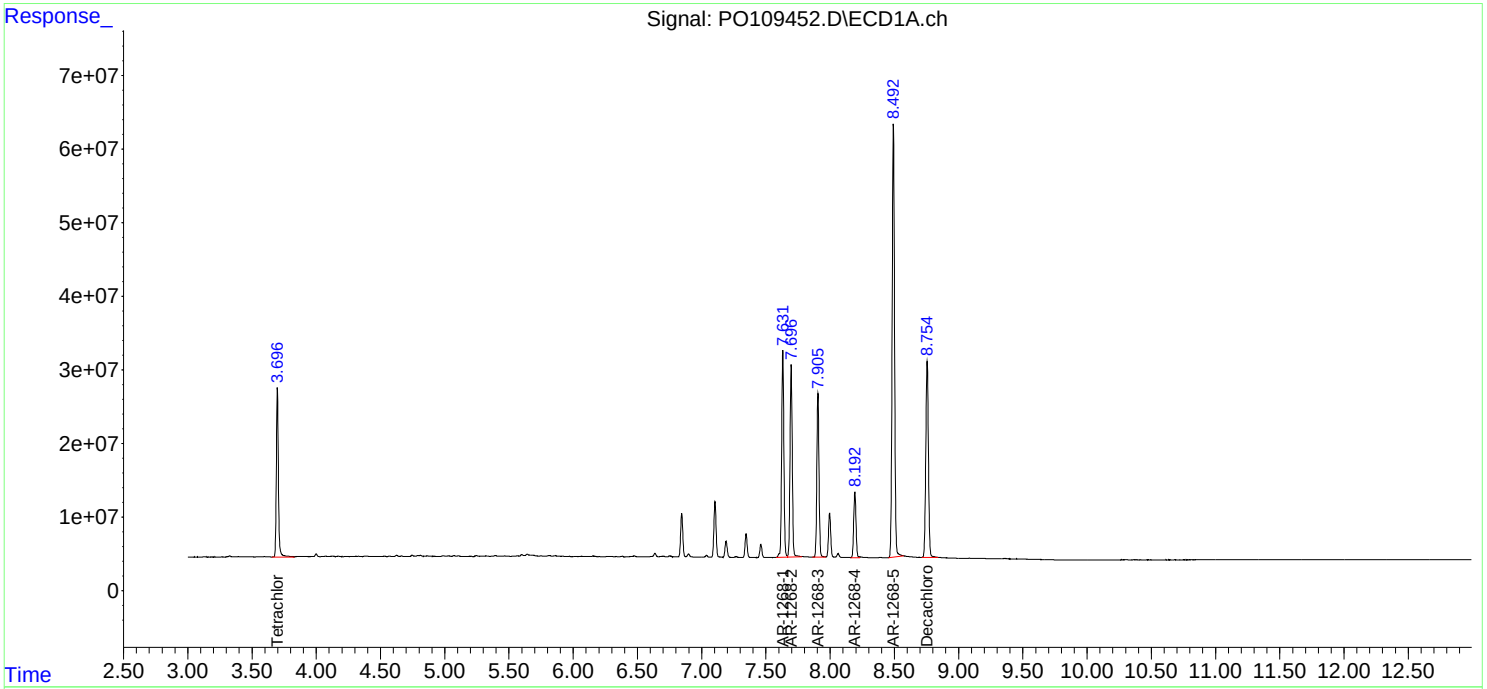
ICAL Form

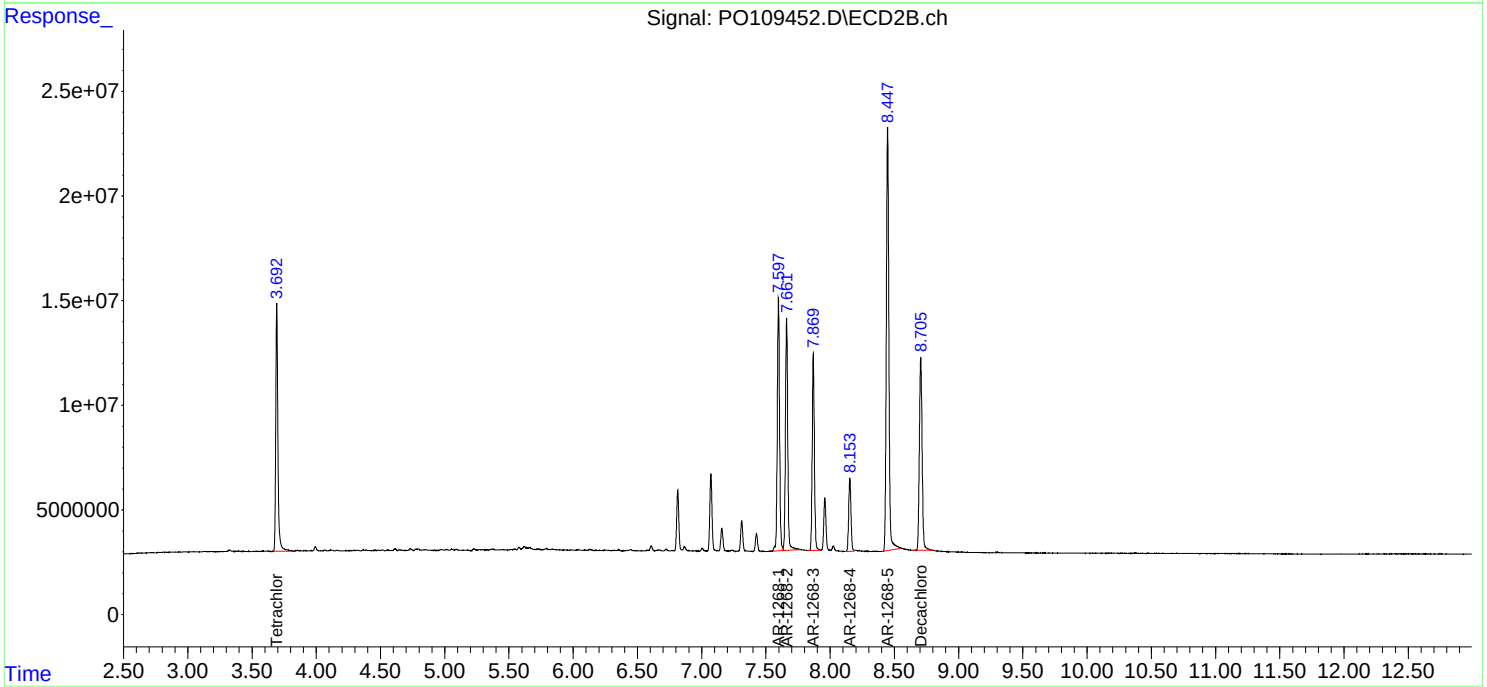
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 00:43
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

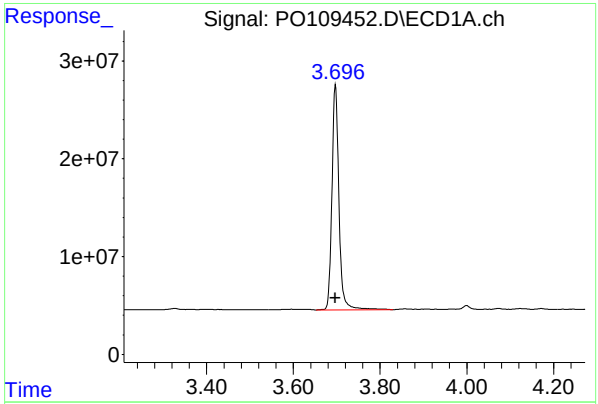
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:17:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



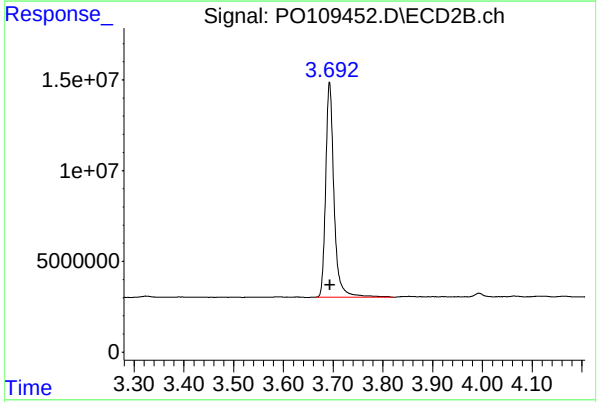




#1 Tetrachloro-m-xylene

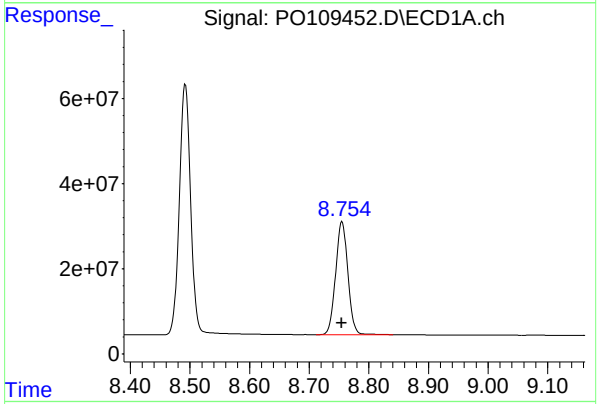
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 259005016
Conc: 26.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



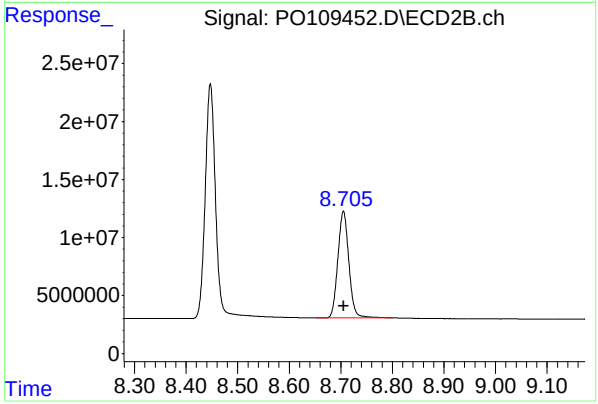
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 137691496
Conc: 25.84 ng/ml



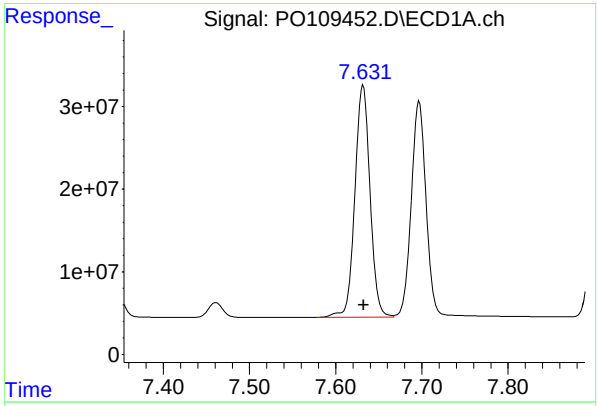
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 379504768
Conc: 26.22 ng/ml



#2 Decachlorobiphenyl

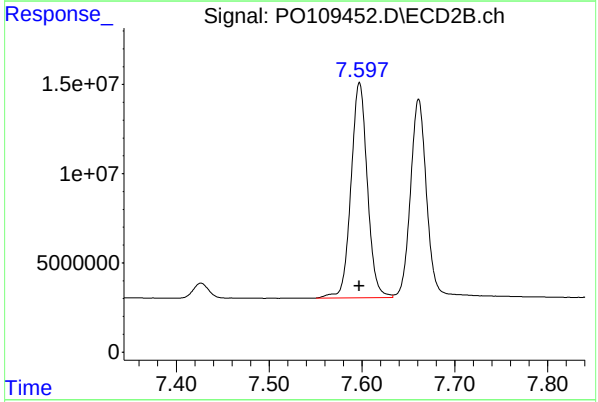
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 135770402
Conc: 26.50 ng/ml



#41 AR-1268-1

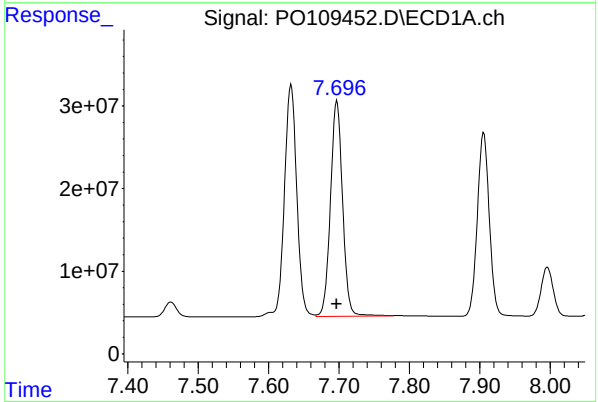
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 341418909
Conc: 259.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



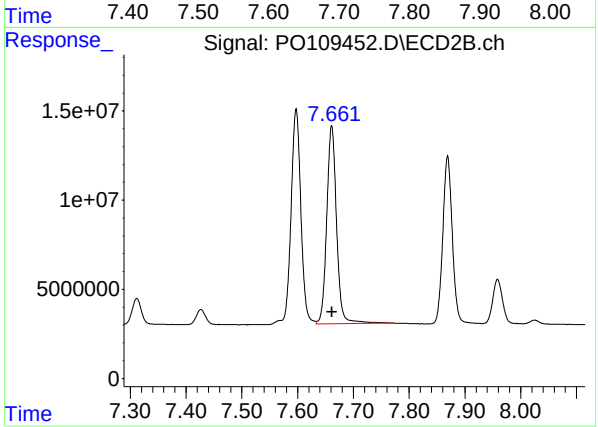
#41 AR-1268-1

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 147769080
Conc: 261.92 ng/ml



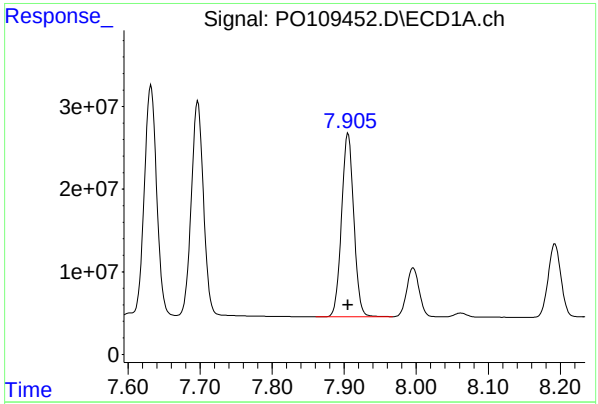
#42 AR-1268-2

R.T.: 7.697 min
Delta R.T.: 0.000 min
Response: 311637686
Conc: 258.00 ng/ml



#42 AR-1268-2

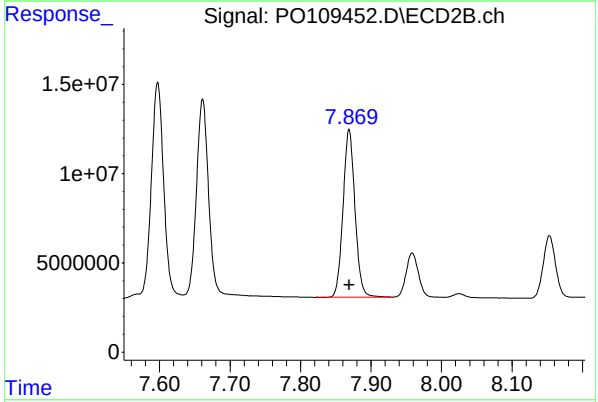
R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 135855084
Conc: 260.78 ng/ml



#43 AR-1268-3

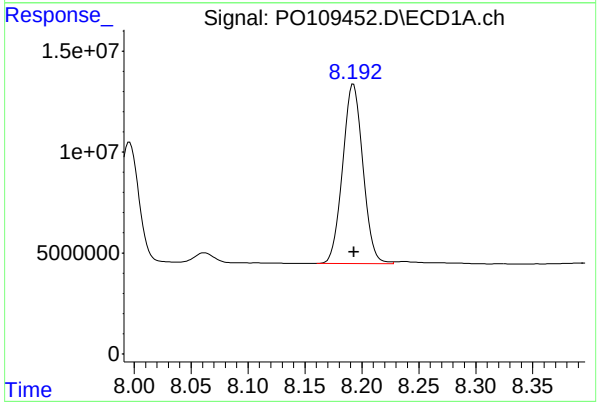
R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 262411827
Conc: 259.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



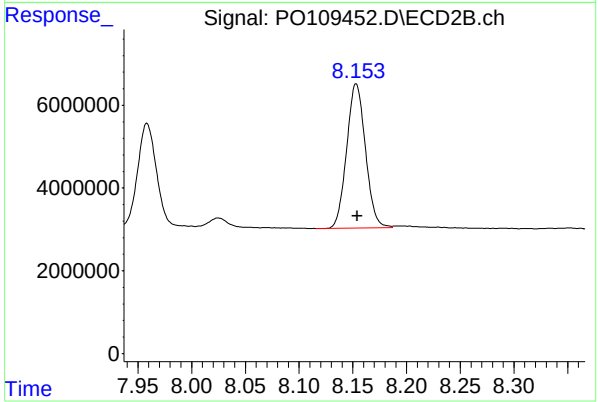
#43 AR-1268-3

R.T.: 7.869 min
Delta R.T.: 0.000 min
Response: 110648002
Conc: 263.12 ng/ml



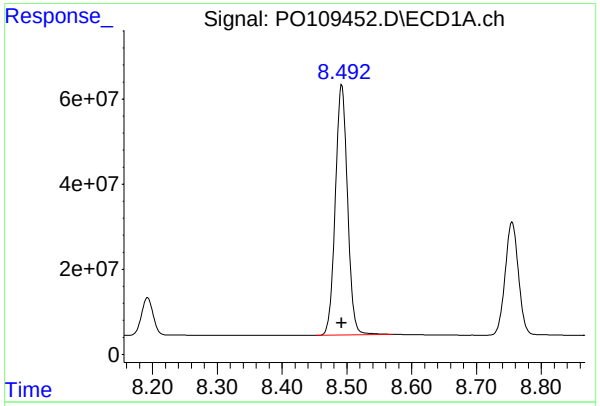
#44 AR-1268-4

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 110535077
Conc: 262.99 ng/ml



#44 AR-1268-4

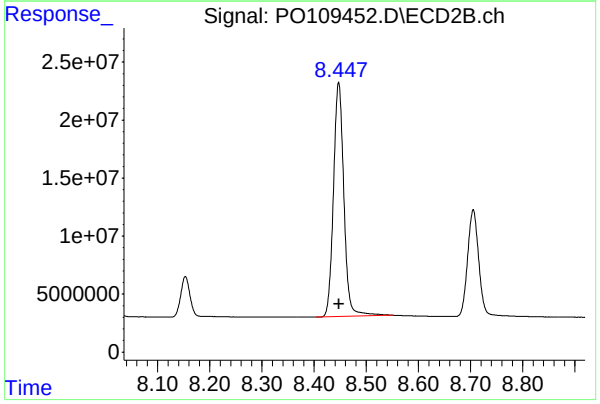
R.T.: 8.153 min
Delta R.T.: -0.001 min
Response: 42415364
Conc: 260.09 ng/ml



#45 AR-1268-5

R.T.: 8.492 min
Delta R.T.: 0.000 mi
Response: 768840081
Conc: 253.19 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.447 min
Delta R.T.: -0.001 min
Response: 280296607
Conc: 258.14 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:02
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:18:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.692	48540301	25644875	4.877	4.813
2)	SA Decachlor...	8.754	8.704	77206427	27914892	5.335	5.448
	Target Compounds						
41)	L9 AR-1268-1	7.632	7.596	67221395	29693417	50.998	52.632
42)	L9 AR-1268-2	7.696	7.660	60264035	26832787	49.892	51.507
43)	L9 AR-1268-3	7.905	7.869	51454508	22544472	50.804	53.610
44)	L9 AR-1268-4	8.191	8.153	22268868	8258744	52.983	50.643
45)	L9 AR-1268-5	8.492	8.447	145.6E6	54675030	47.957	50.353

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

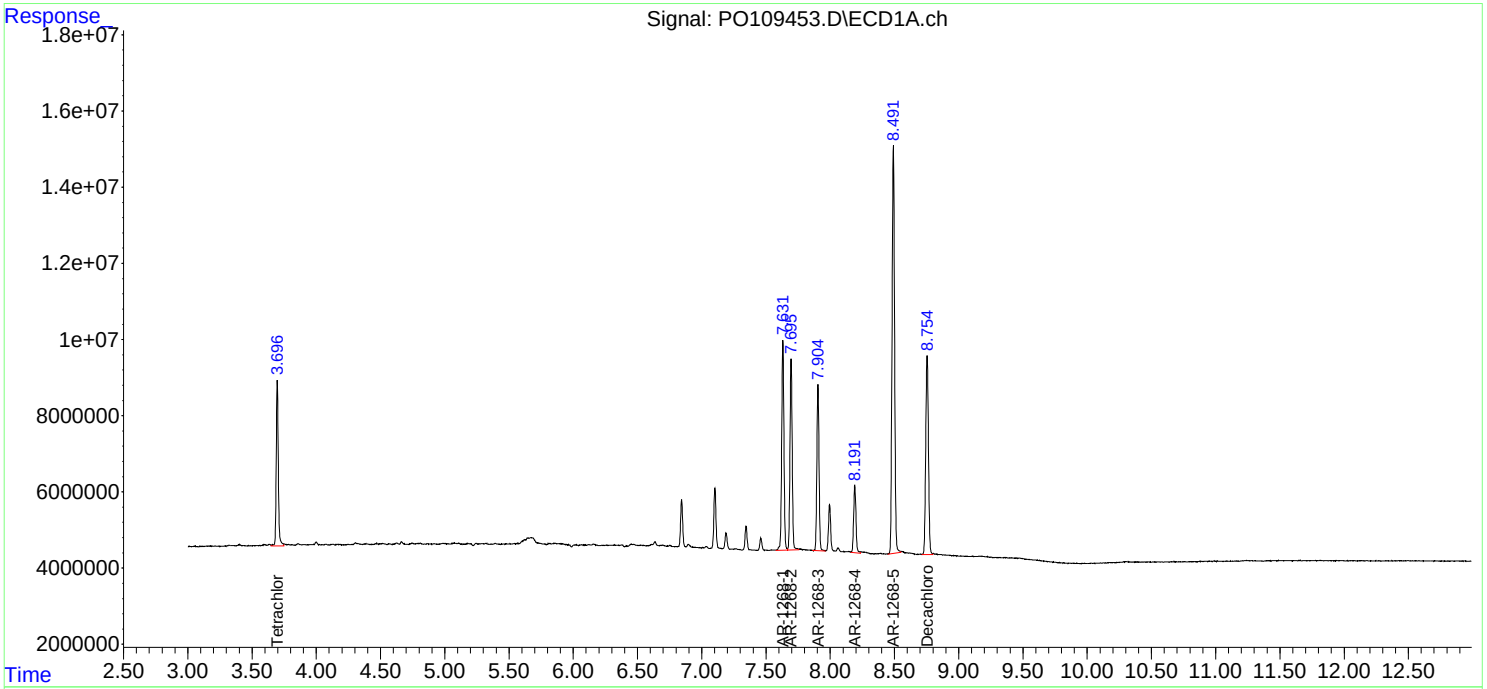
ICAL Form

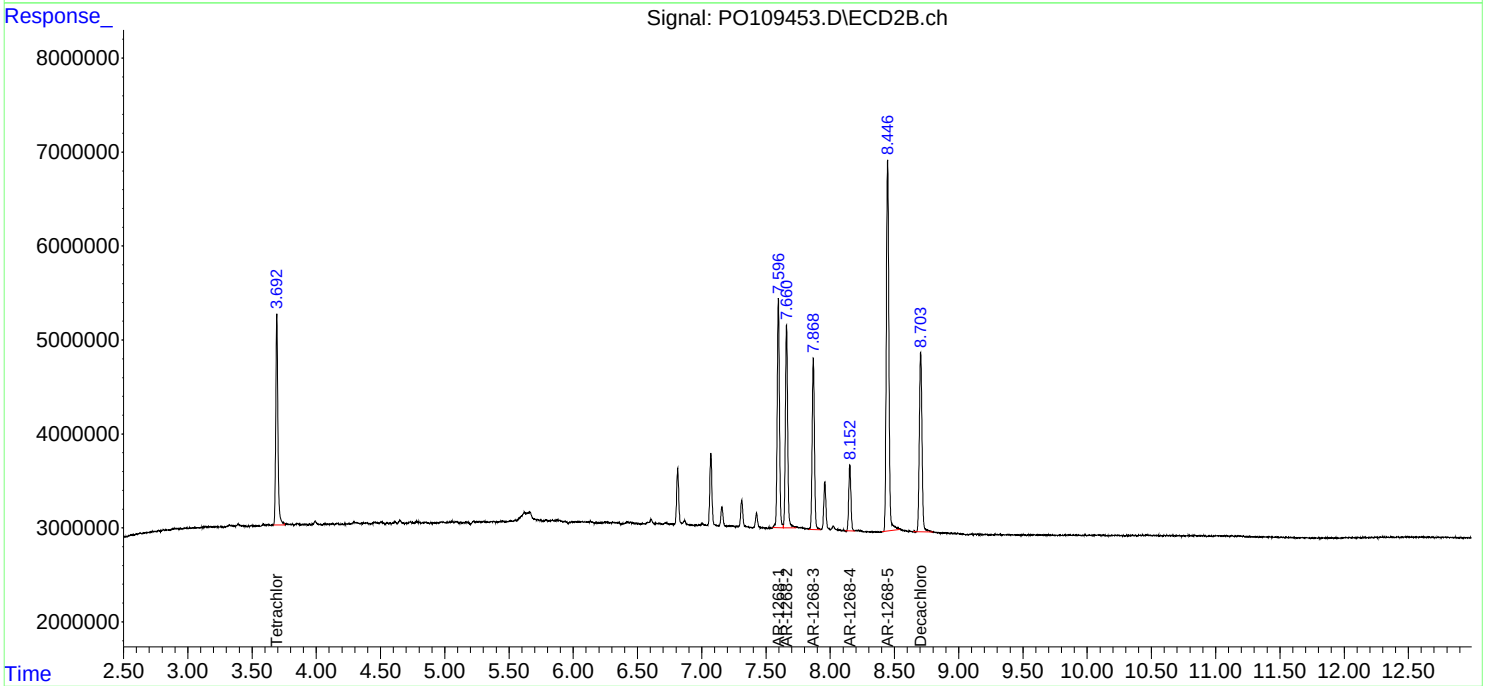
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:02
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

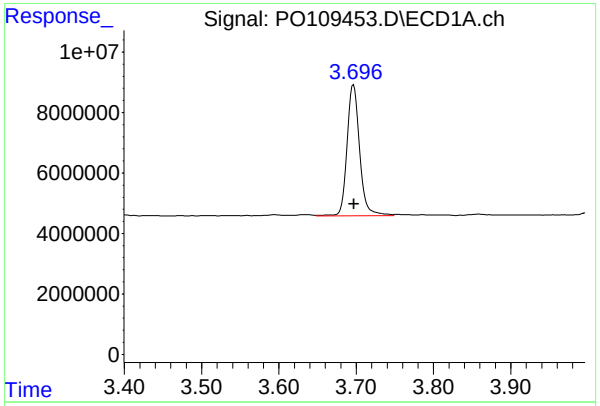
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:18:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



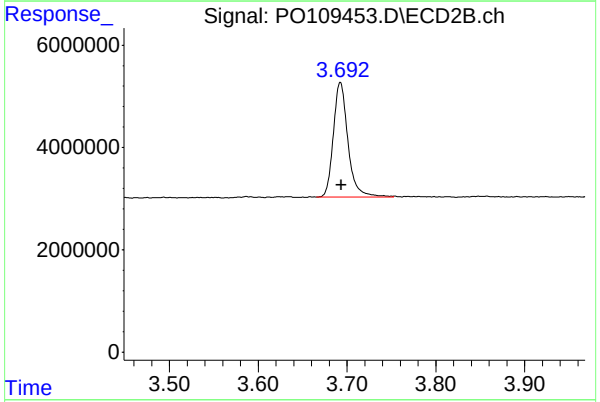




#1 Tetrachloro-m-xylene

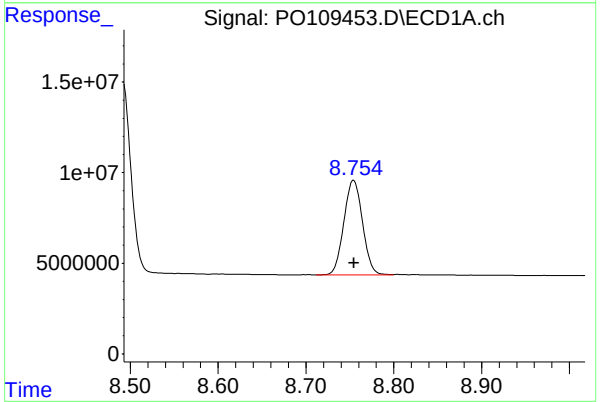
R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 48540301
Conc: 4.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



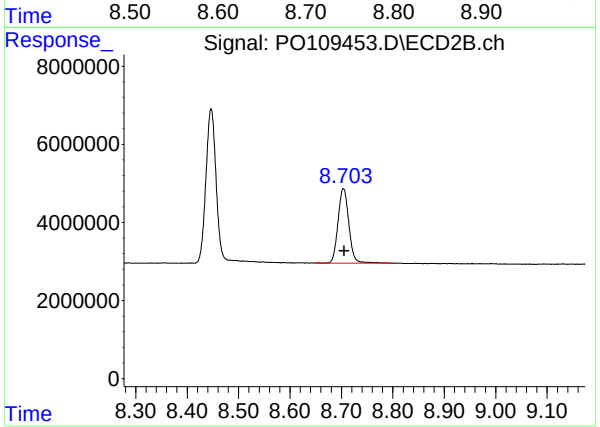
#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 25644875
Conc: 4.81 ng/ml



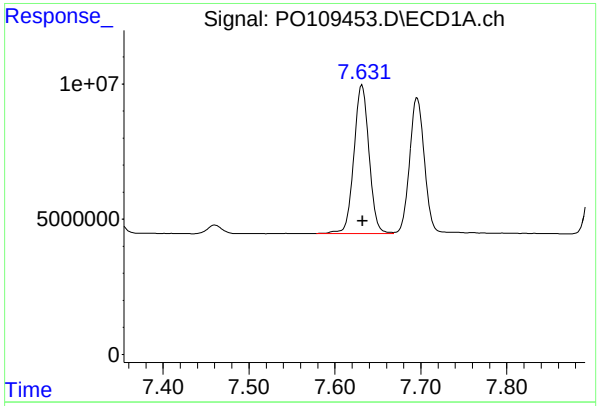
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 77206427
Conc: 5.33 ng/ml



#2 Decachlorobiphenyl

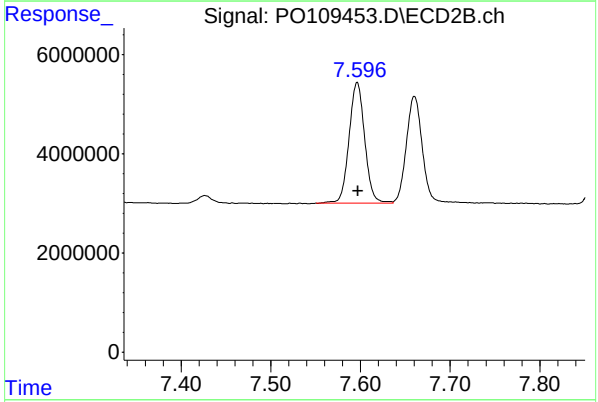
R.T.: 8.704 min
Delta R.T.: -0.001 min
Response: 27914892
Conc: 5.45 ng/ml



#41 AR-1268-1

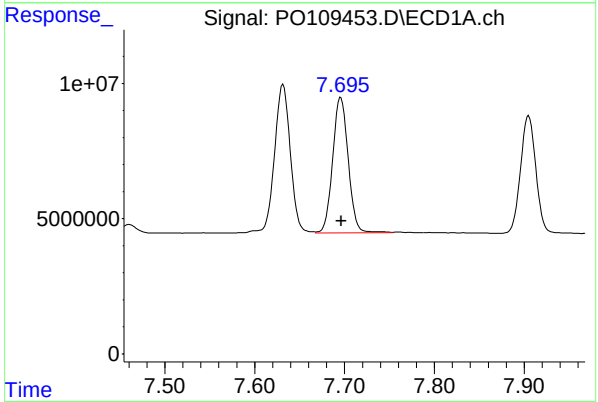
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 67221395
Conc: 51.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



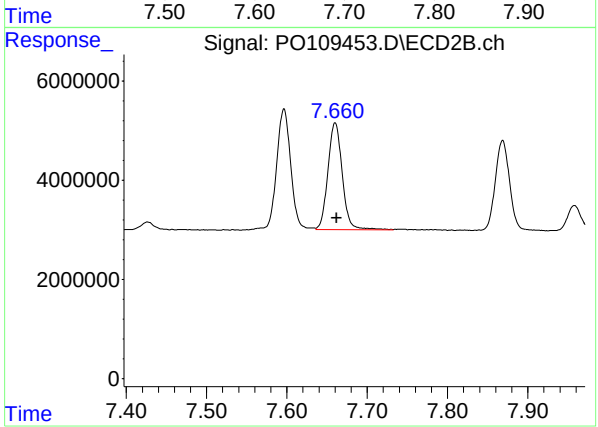
#41 AR-1268-1

R.T.: 7.596 min
Delta R.T.: 0.000 min
Response: 29693417
Conc: 52.63 ng/ml



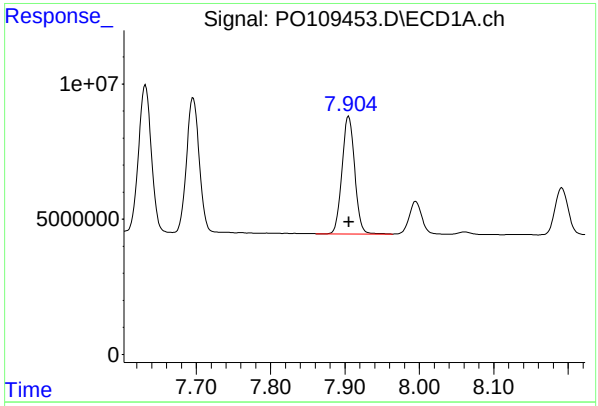
#42 AR-1268-2

R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 60264035
Conc: 49.89 ng/ml



#42 AR-1268-2

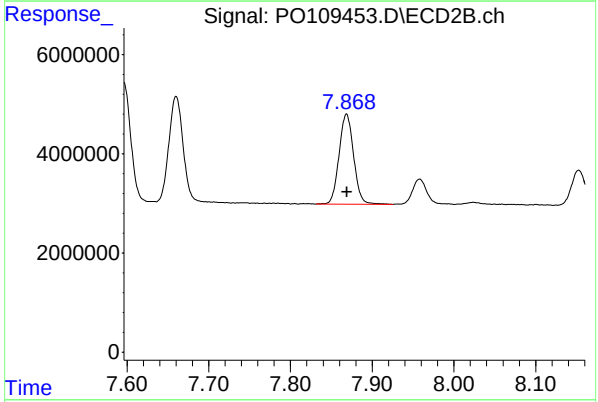
R.T.: 7.660 min
Delta R.T.: -0.002 min
Response: 26832787
Conc: 51.51 ng/ml



#43 AR-1268-3

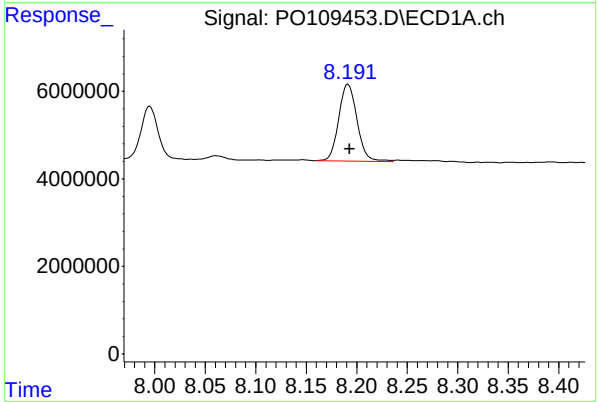
R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 51454508
Conc: 50.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



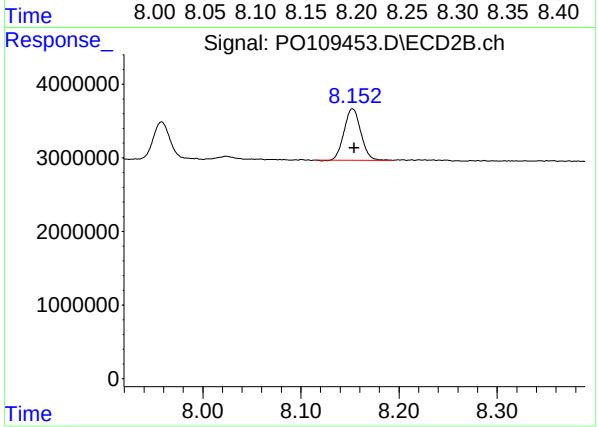
#43 AR-1268-3

R.T.: 7.869 min
Delta R.T.: 0.000 min
Response: 22544472
Conc: 53.61 ng/ml



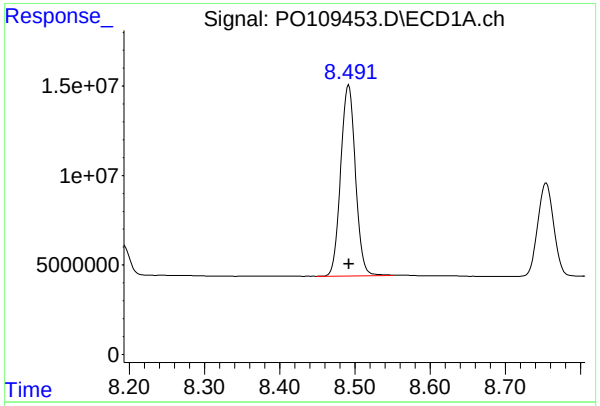
#44 AR-1268-4

R.T.: 8.191 min
Delta R.T.: -0.001 min
Response: 22268868
Conc: 52.98 ng/ml



#44 AR-1268-4

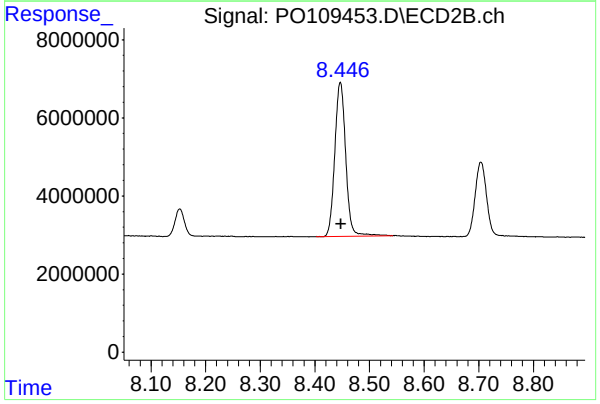
R.T.: 8.153 min
Delta R.T.: -0.001 min
Response: 8258744
Conc: 50.64 ng/ml



#45 AR-1268-5

R.T.: 8.492 min
Delta R.T.: 0.000 min
Response: 145625586
Conc: 47.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.447 min
Delta R.T.: -0.002 min
Response: 54675030
Conc: 50.35 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:20
Operator : YP/AJ
Sample : PO022025ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO022025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:02:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.696	3.693	485.4E6	269.8E6	51.590	51.681
2) SA	Decachlor...	8.754	8.704	443.6E6	158.9E6	51.926	50.342
	Target Compounds						
3) L1	AR-1016-1	4.791	4.776	157.1E6	78402892	520.861	515.700
4) L1	AR-1016-2	4.810	4.796	215.0E6	109.8E6	518.628	514.474
5) L1	AR-1016-3	4.866	4.971	152.4E6	60872209	526.733	519.332
6) L1	AR-1016-4	4.987	5.013	119.0E6	52752395	526.672	521.449
7) L1	AR-1016-5	5.245	5.226	131.1E6	68386607	519.681	515.565
31) L7	AR-1260-1	6.286	6.260	235.3E6	118.3E6	513.812	508.238
32) L7	AR-1260-2	6.475	6.447	286.8E6	137.4E6	521.487	511.120
33) L7	AR-1260-3	6.844	6.600	241.2E6	127.7E6	520.450	510.981
34) L7	AR-1260-4	7.105	7.072	220.8E6	103.3E6	518.189	510.781
35) L7	AR-1260-5	7.346	7.312	513.3E6	224.9E6	512.587	506.808

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

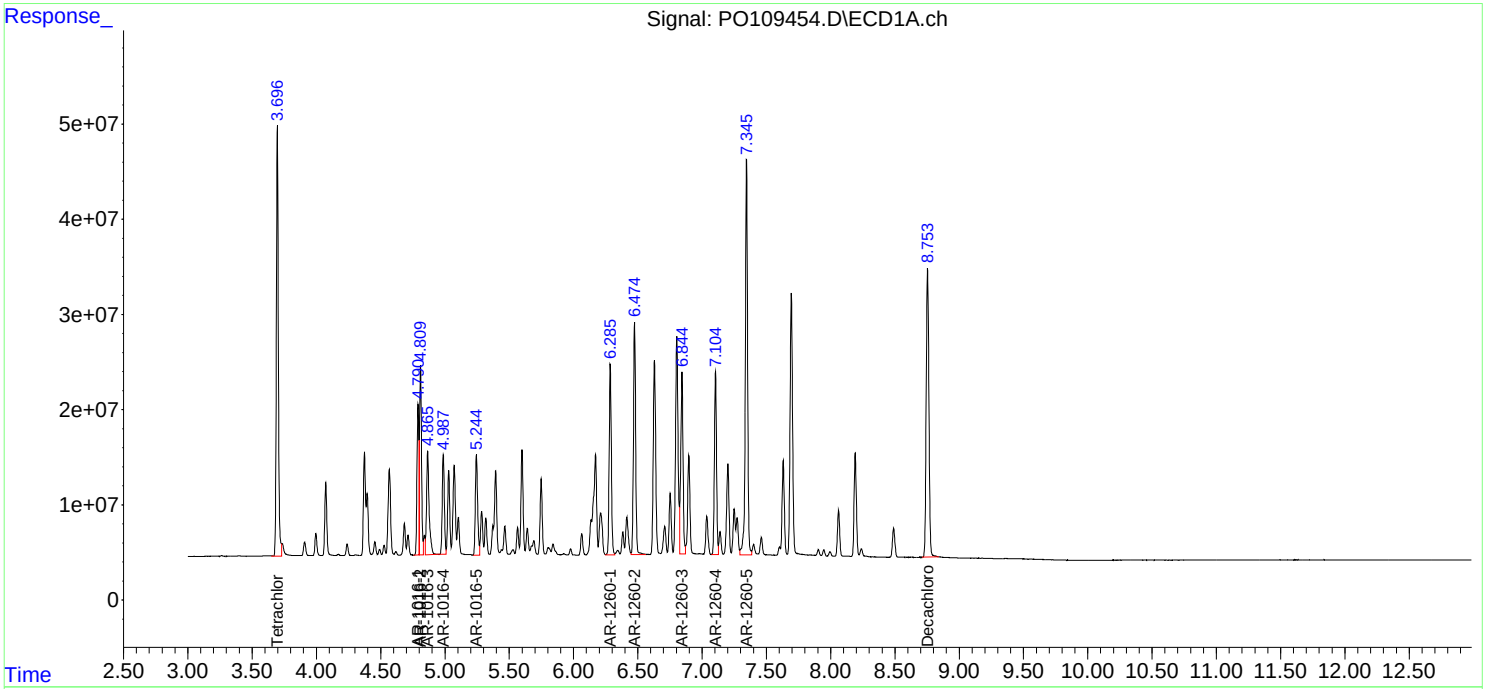
ICAL Form

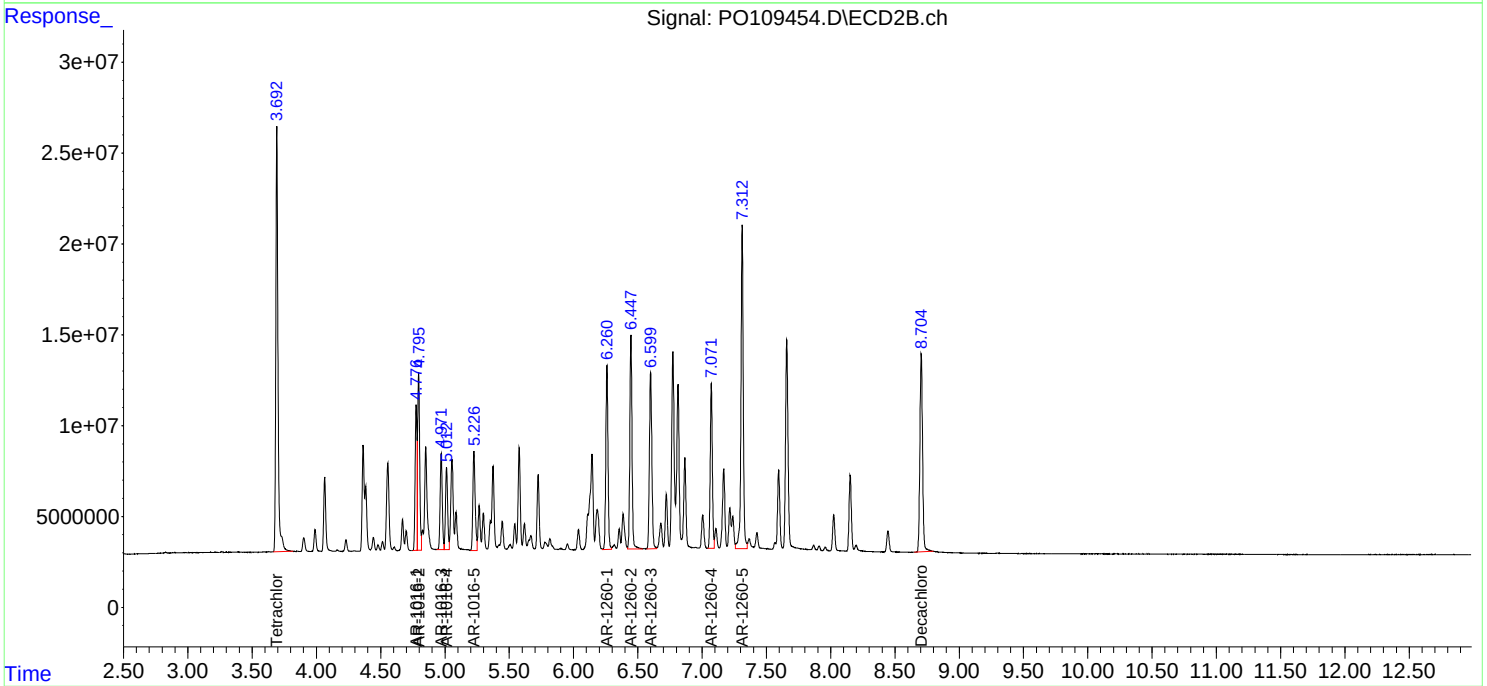
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:20
Operator : YP/AJ
Sample : PO022025ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

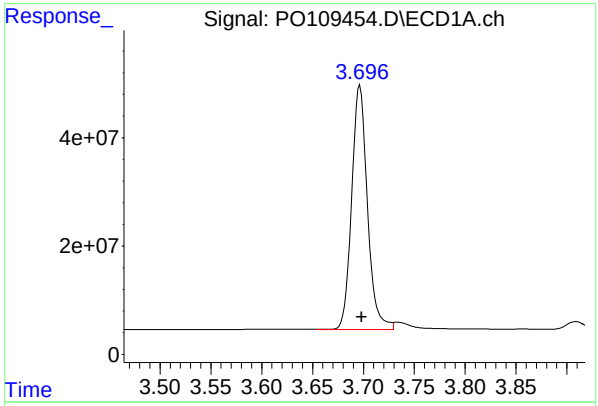
Instrument :
ECD_O
ClientSampleId :
ICVPO022025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:02:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:00:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



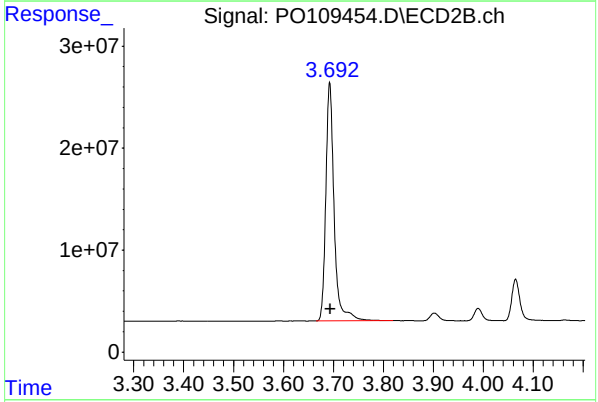




#1 Tetrachloro-m-xylene

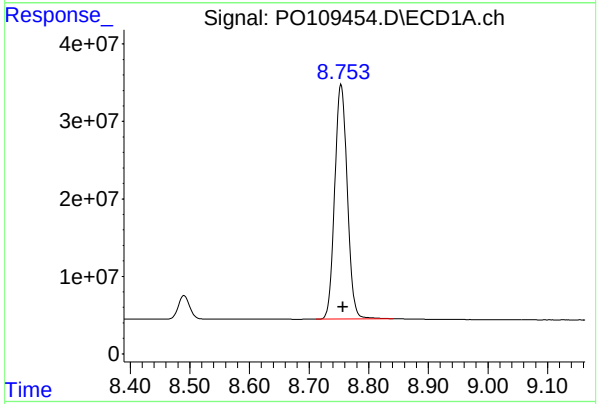
R.T.: 3.696 min
Delta R.T.: -0.002 min
Response: 485357700
Conc: 51.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025



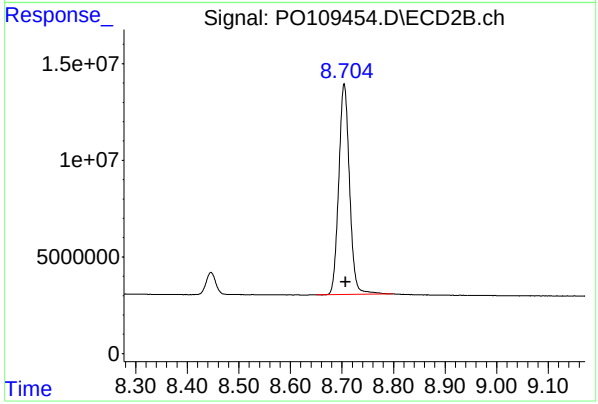
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.001 min
Response: 269840343
Conc: 51.68 ng/ml



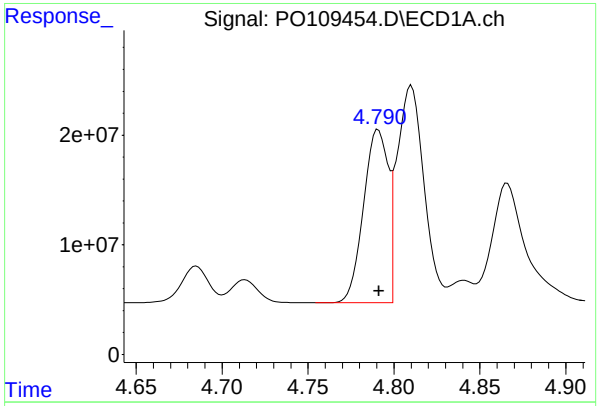
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: -0.003 min
Response: 443585478
Conc: 51.93 ng/ml



#2 Decachlorobiphenyl

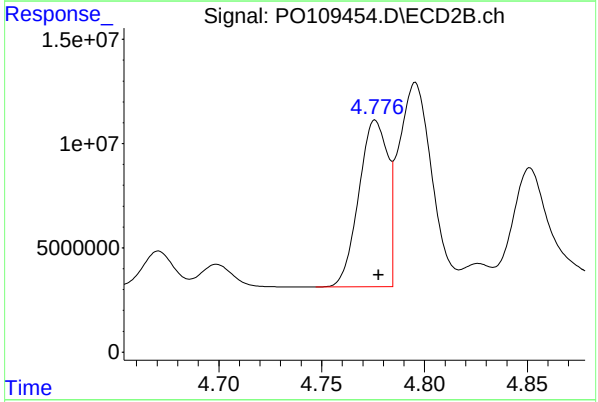
R.T.: 8.704 min
Delta R.T.: -0.003 min
Response: 158879701
Conc: 50.34 ng/ml



#3 AR-1016-1

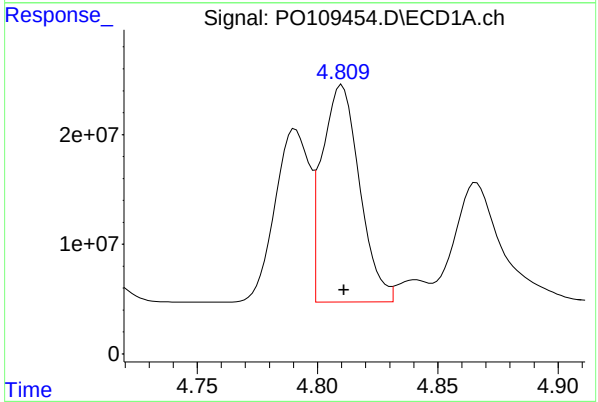
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 157132874
Conc: 520.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025



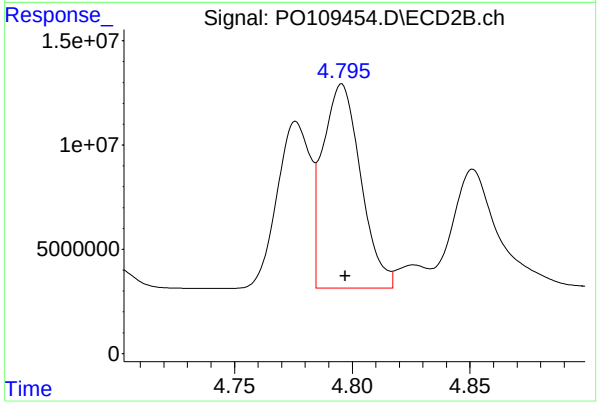
#3 AR-1016-1

R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 78402892
Conc: 515.70 ng/ml



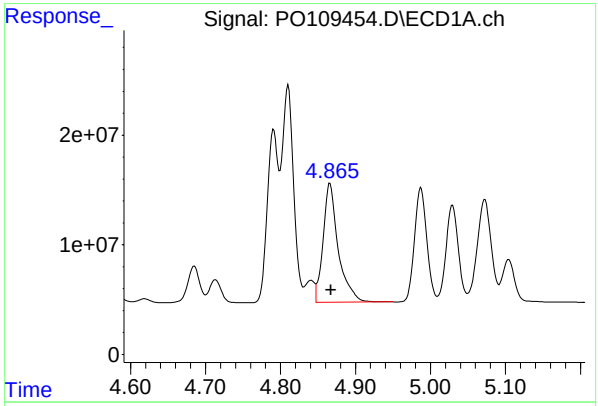
#4 AR-1016-2

R.T.: 4.810 min
Delta R.T.: 0.000 min
Response: 215046537
Conc: 518.63 ng/ml



#4 AR-1016-2

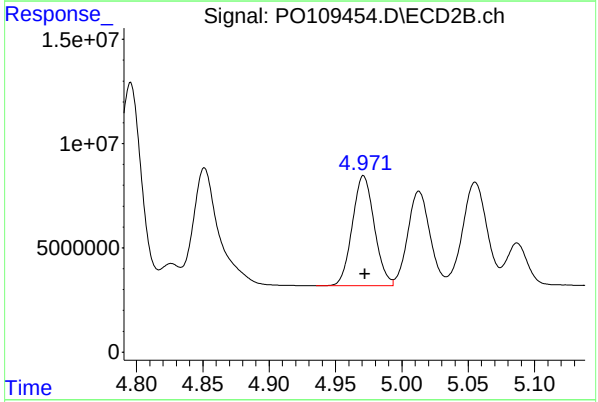
R.T.: 4.796 min
Delta R.T.: -0.001 min
Response: 109805671
Conc: 514.47 ng/ml



#5 AR-1016-3

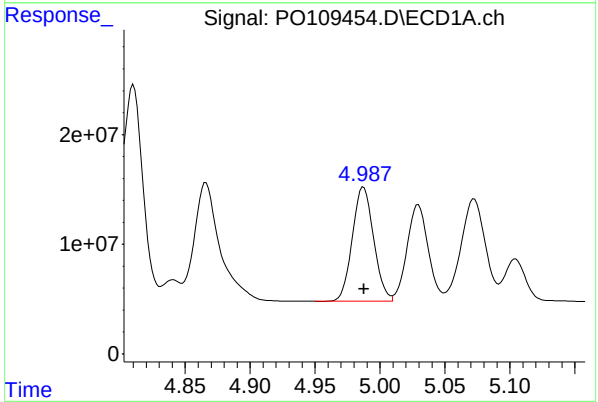
R.T.: 4.866 min
Delta R.T.: -0.001 min
Response: 152438515
Conc: 526.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025



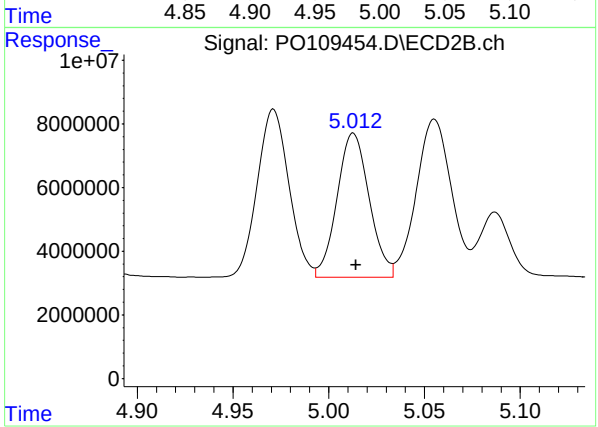
#5 AR-1016-3

R.T.: 4.971 min
Delta R.T.: -0.001 min
Response: 60872209
Conc: 519.33 ng/ml



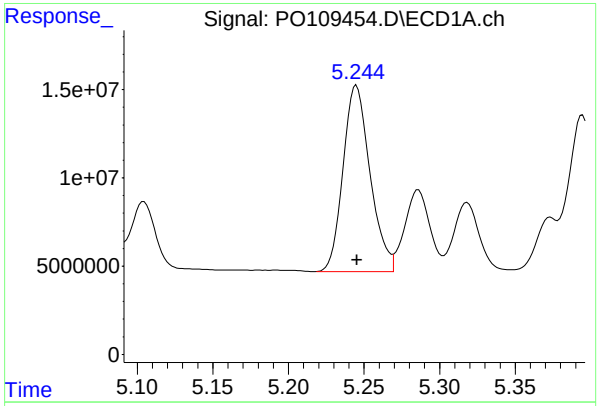
#6 AR-1016-4

R.T.: 4.987 min
Delta R.T.: 0.000 min
Response: 119017231
Conc: 526.67 ng/ml



#6 AR-1016-4

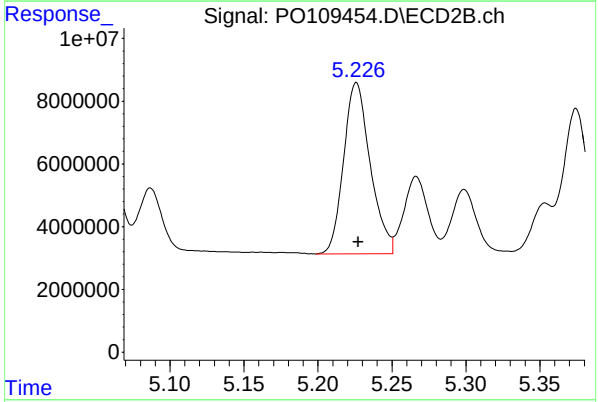
R.T.: 5.013 min
Delta R.T.: -0.001 min
Response: 52752395
Conc: 521.45 ng/ml



#7 AR-1016-5

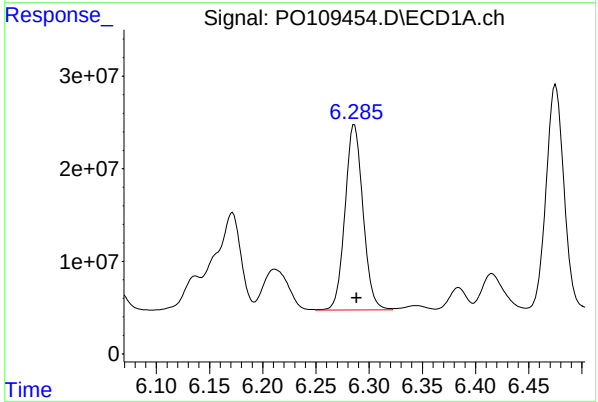
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 131099352
Conc: 519.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025



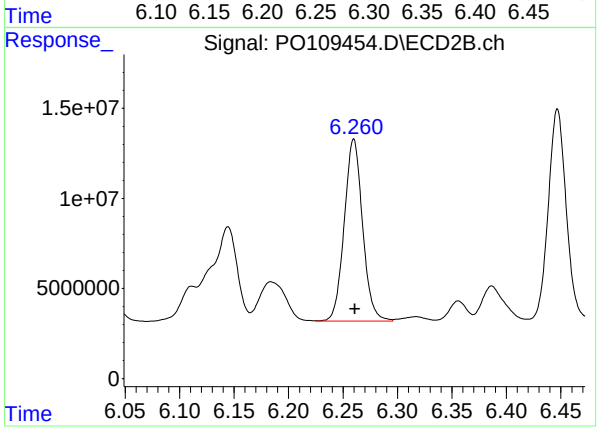
#7 AR-1016-5

R.T.: 5.226 min
Delta R.T.: -0.001 min
Response: 68386607
Conc: 515.56 ng/ml



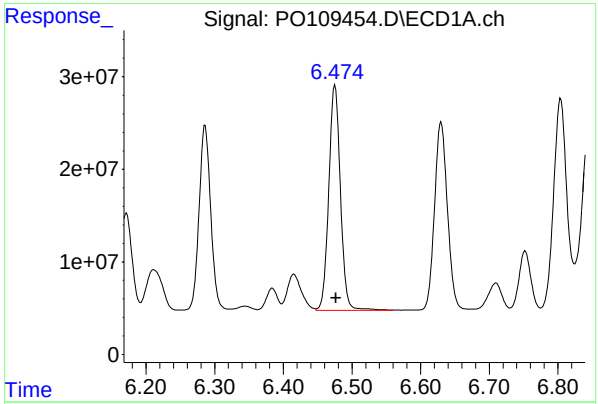
#31 AR-1260-1

R.T.: 6.286 min
Delta R.T.: -0.002 min
Response: 235341857
Conc: 513.81 ng/ml



#31 AR-1260-1

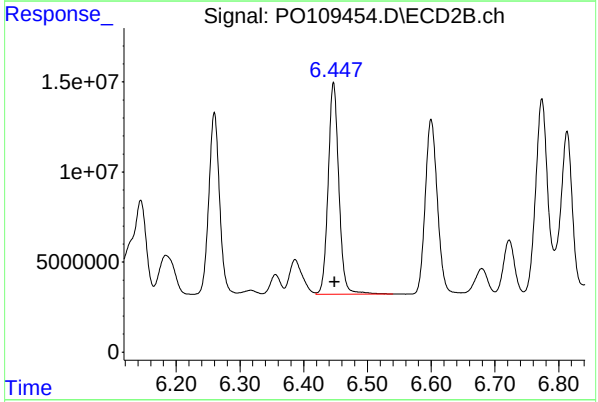
R.T.: 6.260 min
Delta R.T.: -0.001 min
Response: 118287214
Conc: 508.24 ng/ml



#32 AR-1260-2

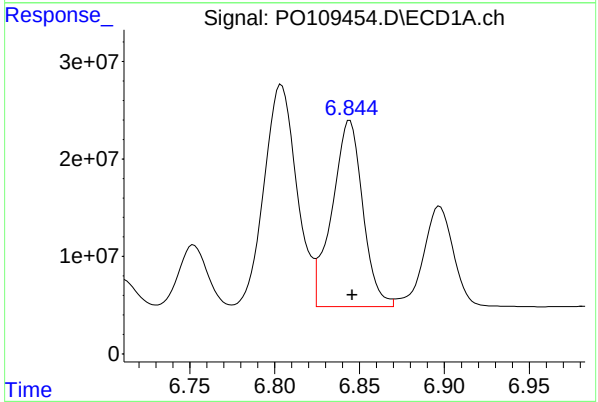
R.T.: 6.475 min
Delta R.T.: -0.001 min
Response: 286816753
Conc: 521.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025



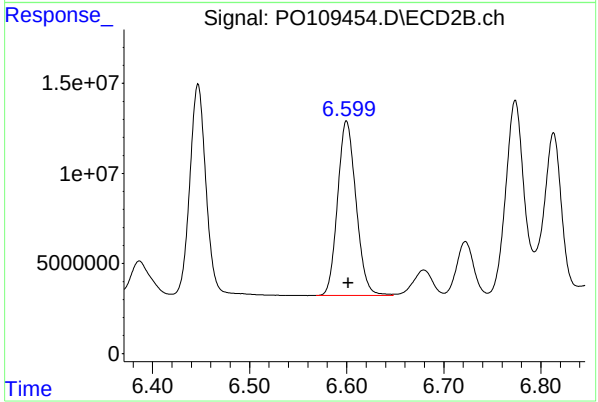
#32 AR-1260-2

R.T.: 6.447 min
Delta R.T.: -0.002 min
Response: 137405496
Conc: 511.12 ng/ml



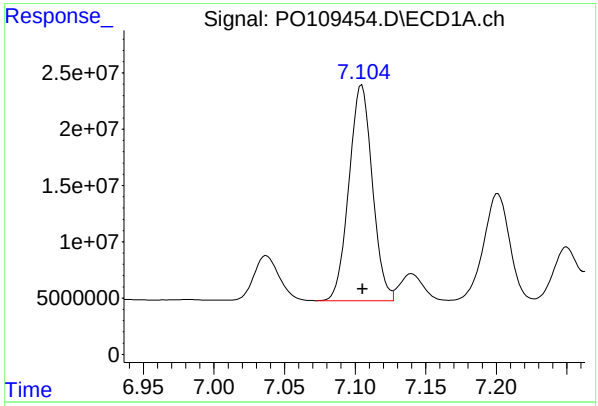
#33 AR-1260-3

R.T.: 6.844 min
Delta R.T.: -0.001 min
Response: 241245232
Conc: 520.45 ng/ml



#33 AR-1260-3

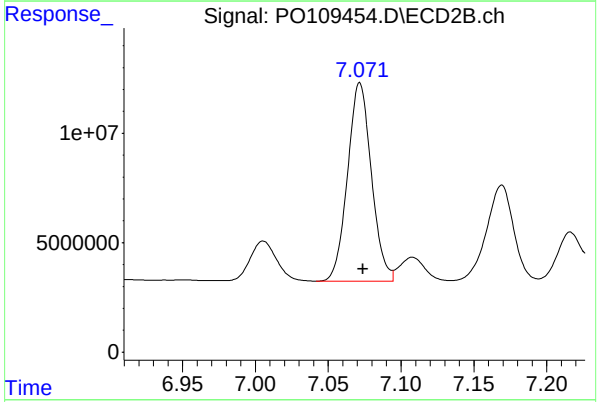
R.T.: 6.600 min
Delta R.T.: -0.002 min
Response: 127693193
Conc: 510.98 ng/ml



#34 AR-1260-4

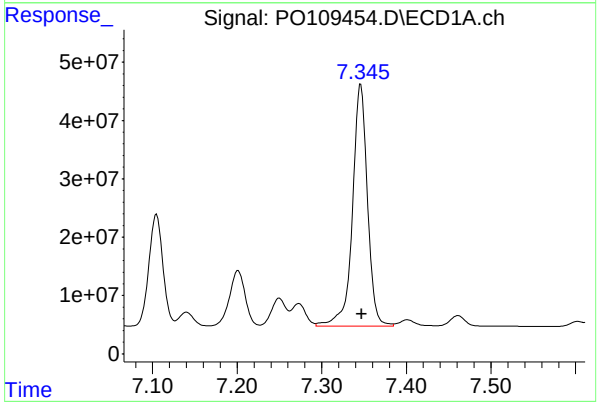
R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 220785718
Conc: 518.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025



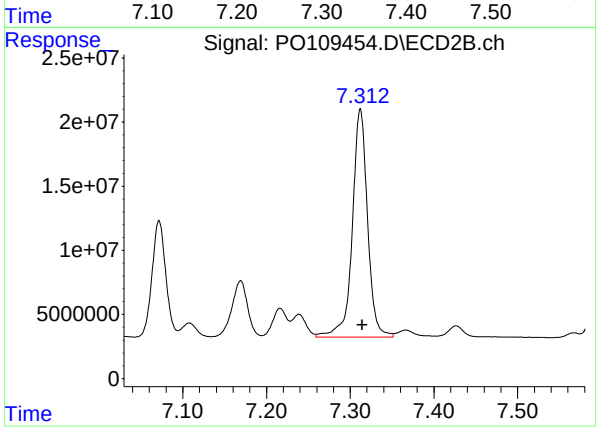
#34 AR-1260-4

R.T.: 7.072 min
Delta R.T.: -0.002 min
Response: 103289353
Conc: 510.78 ng/ml



#35 AR-1260-5

R.T.: 7.346 min
Delta R.T.: -0.001 min
Response: 513338564
Conc: 512.59 ng/ml



#35 AR-1260-5

R.T.: 7.312 min
Delta R.T.: -0.002 min
Response: 224913666
Conc: 506.81 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:38
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.697	3.693	473.0E6	263.5E6	50.071	50.141
2) SA	Decachlor...	8.756	8.704	420.7E6	151.7E6	51.323	50.236
	Target Compounds						
16) L4	AR-1242-1	4.791	4.777	132.7E6	66474054	503.582	499.322
17) L4	AR-1242-2	4.810	4.795	181.5E6	92310140	503.998	503.693
18) L4	AR-1242-3	4.867	4.971	128.4E6	51844543	500.289	507.061
19) L4	AR-1242-4	4.987	5.055	100.9E6	54380483	503.770	504.509
20) L4	AR-1242-5	5.642	5.577	106.0E6	63476044	499.124	506.838

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

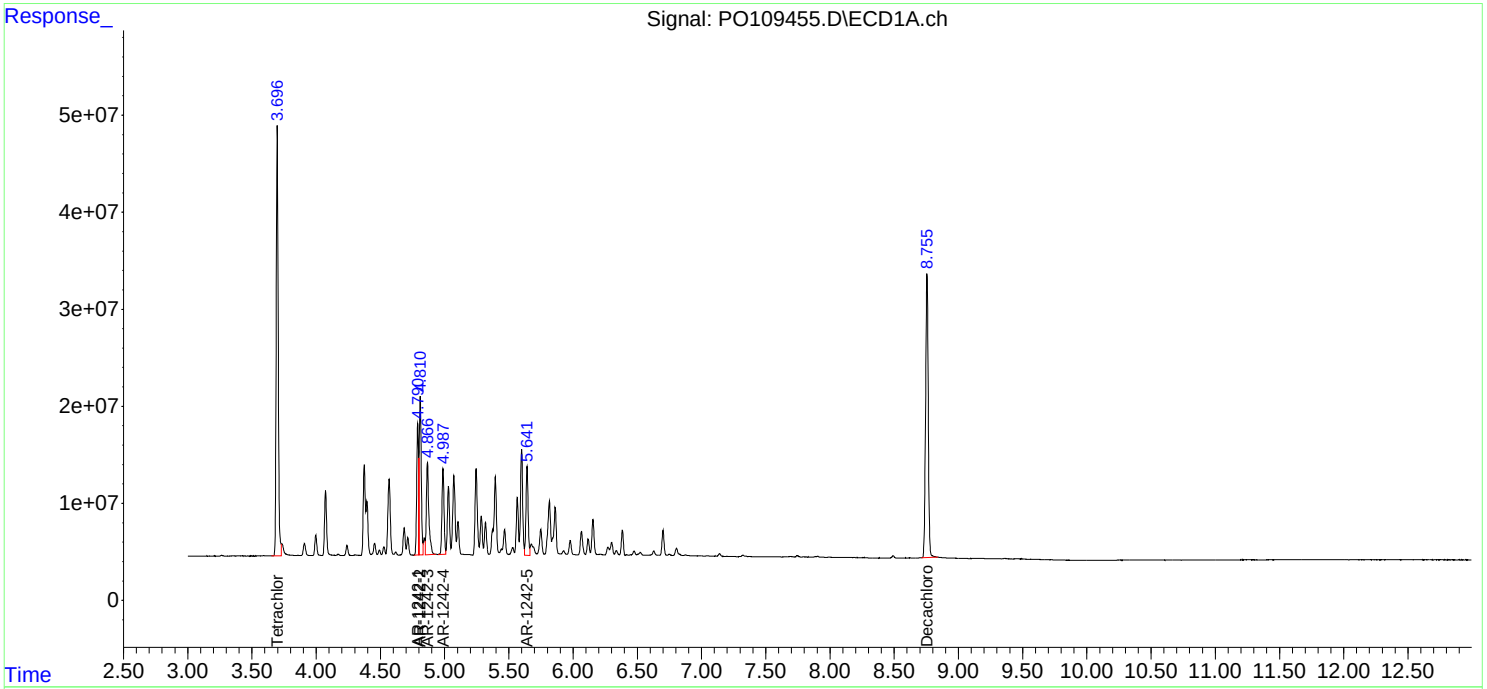
ICAL Form

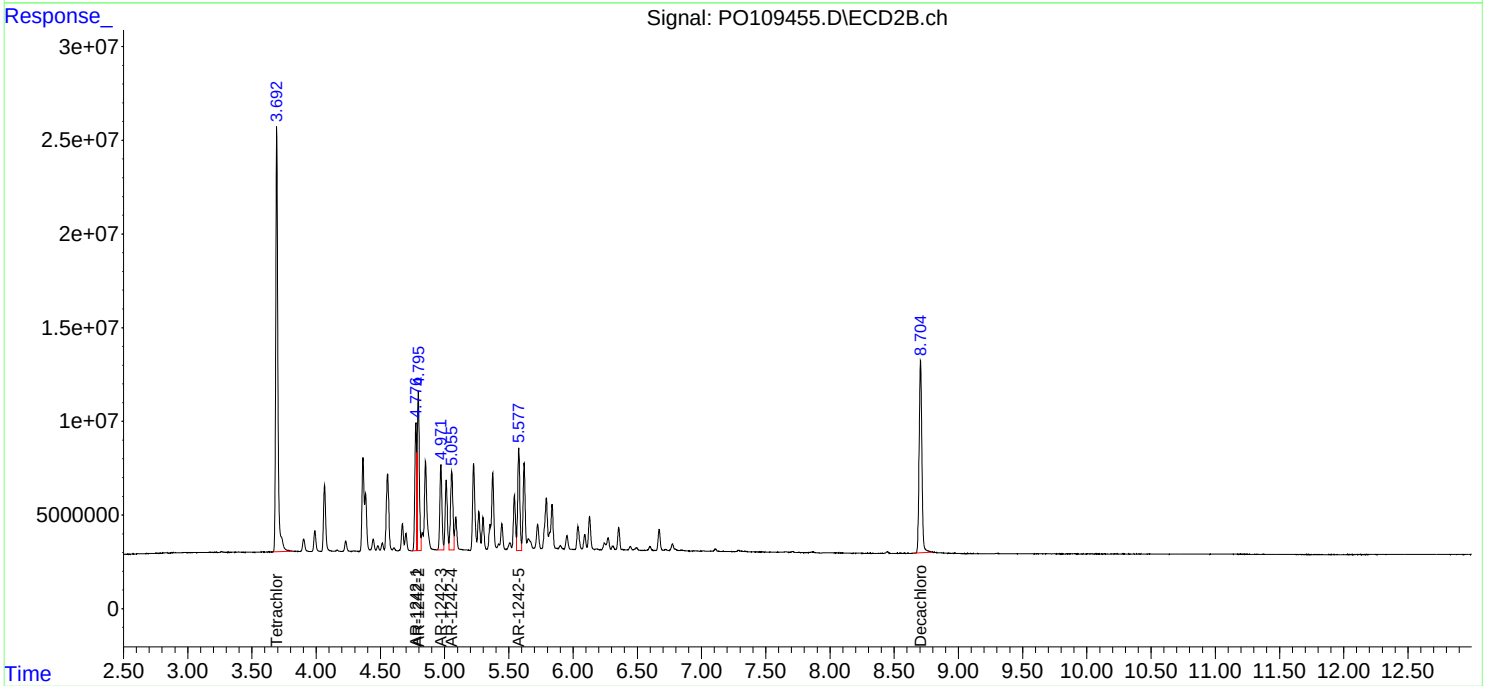
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:38
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

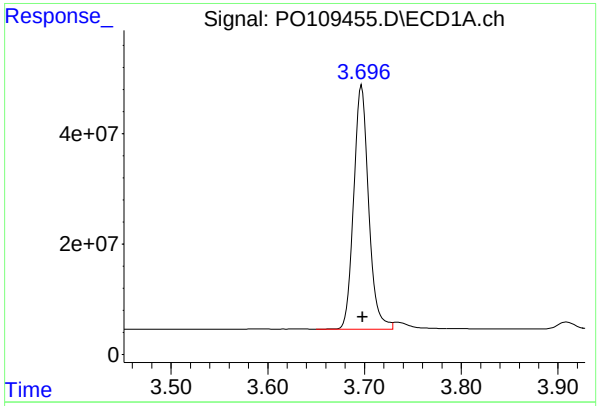
Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:28:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:26:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



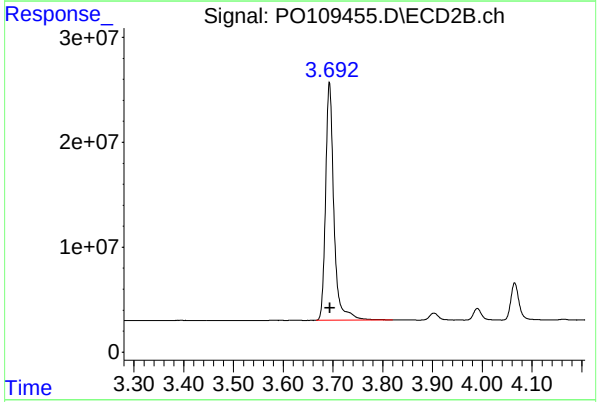




#1 Tetrachloro-m-xylene

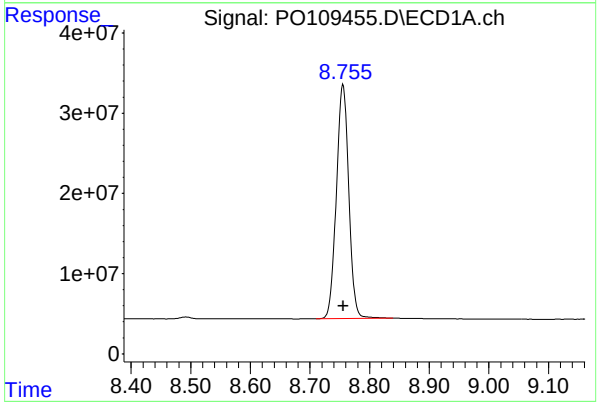
R.T.: 3.697 min
Delta R.T.: -0.001 min
Response: 473015917
Conc: 50.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1242



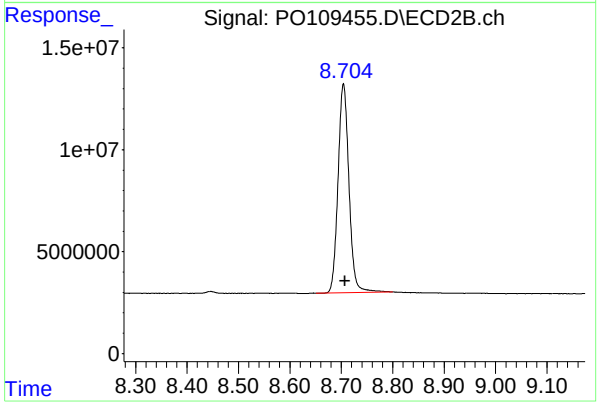
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 263452127
Conc: 50.14 ng/ml



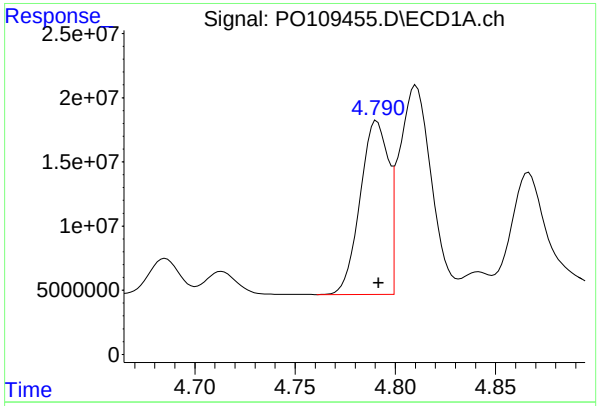
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 420694354
Conc: 51.32 ng/ml



#2 Decachlorobiphenyl

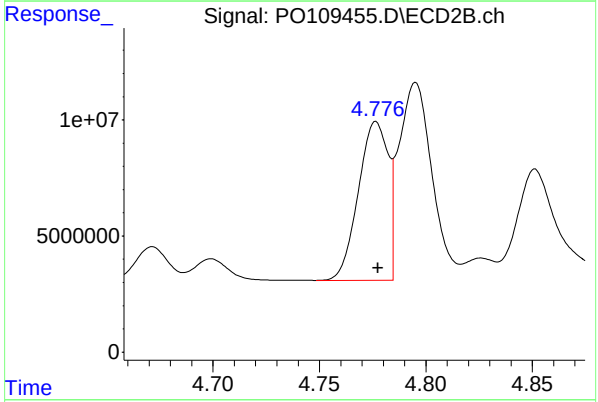
R.T.: 8.704 min
Delta R.T.: -0.003 min
Response: 151672867
Conc: 50.24 ng/ml



#16 AR-1242-1

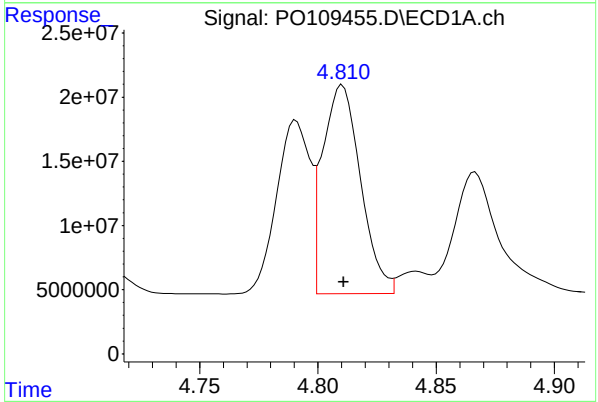
R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 132735422
Conc: 503.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1242



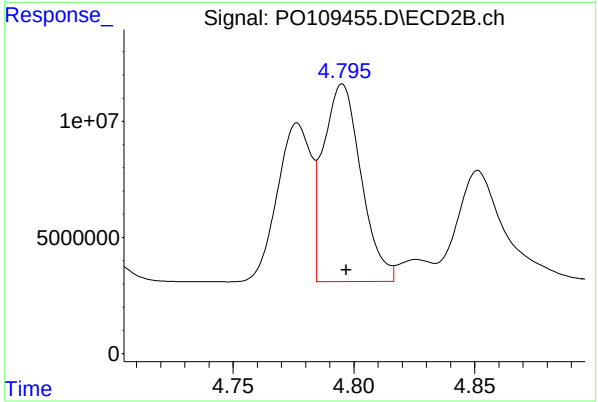
#16 AR-1242-1

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 66474054
Conc: 499.32 ng/ml



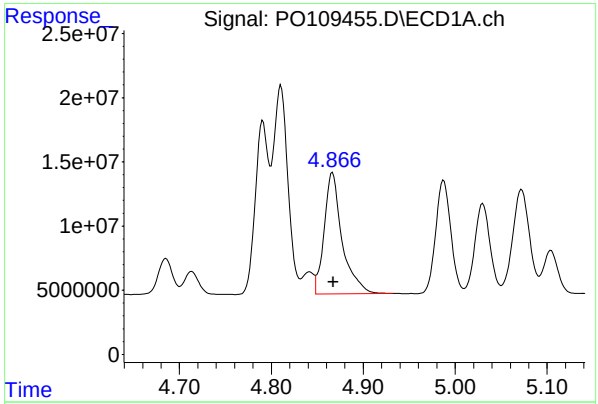
#17 AR-1242-2

R.T.: 4.810 min
Delta R.T.: 0.000 min
Response: 181450651
Conc: 504.00 ng/ml



#17 AR-1242-2

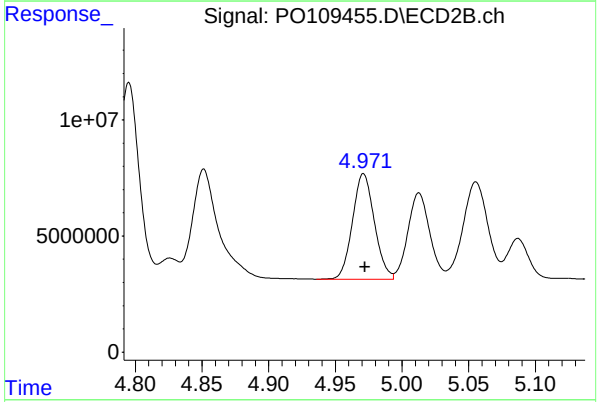
R.T.: 4.795 min
Delta R.T.: -0.002 min
Response: 92310140
Conc: 503.69 ng/ml



#18 AR-1242-3

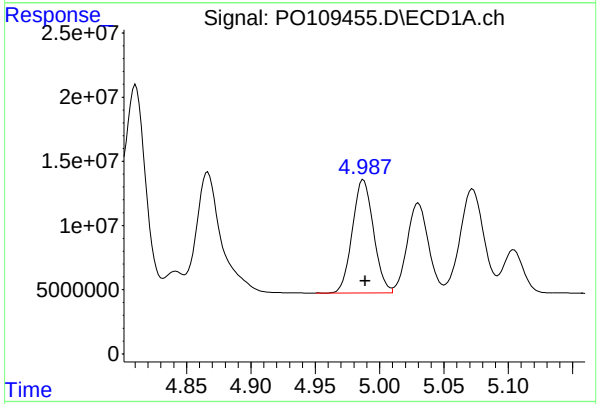
R.T.: 4.867 min
Delta R.T.: -0.001 min
Response: 128359744
Conc: 500.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1242



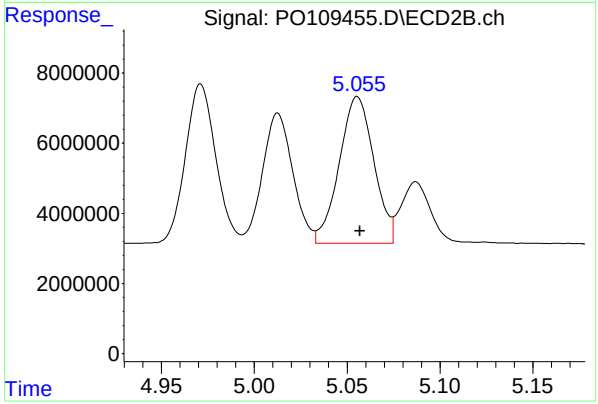
#18 AR-1242-3

R.T.: 4.971 min
Delta R.T.: -0.001 min
Response: 51844543
Conc: 507.06 ng/ml



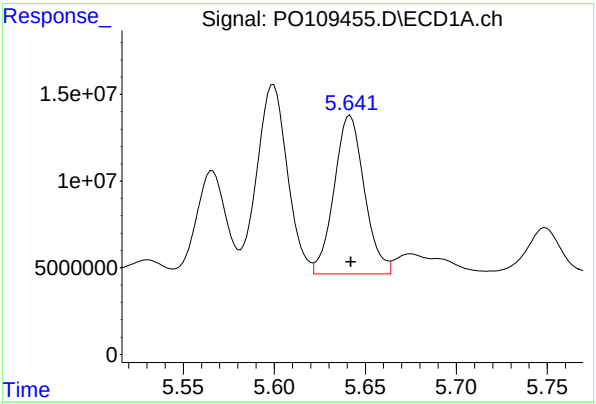
#19 AR-1242-4

R.T.: 4.987 min
Delta R.T.: -0.002 min
Response: 100852152
Conc: 503.77 ng/ml



#19 AR-1242-4

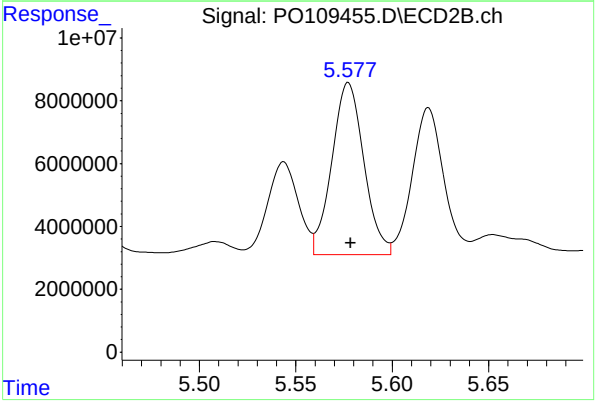
R.T.: 5.055 min
Delta R.T.: -0.002 min
Response: 54380483
Conc: 504.51 ng/ml



#20 AR-1242-5

R.T.: 5.642 min
Delta R.T.: 0.000 mi
Response: 106025867
Conc: 499.12 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1242



#20 AR-1242-5

R.T.: 5.577 min
Delta R.T.: -0.001 min
Response: 63476044
Conc: 506.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:57
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:49:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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...	3.696	3.693	490.5E6	262.1E6	50.234	50.194
2)	SA Decachlor...	8.754	8.704	425.3E6	152.0E6	51.016	50.037
	Target Compounds						
21)	L5 AR-1248-1	4.790	4.776	100.9E6	50731291	502.457	503.449
22)	L5 AR-1248-2	5.030	5.013	140.5E6	73502388	498.738	501.993
23)	L5 AR-1248-3	5.244	5.056	174.2E6	78184021	503.235	502.140
24)	L5 AR-1248-4	5.599	5.227	240.3E6	91183159	501.425	505.550
25)	L5 AR-1248-5	5.641	5.619	167.5E6	84456599	496.149	498.047

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

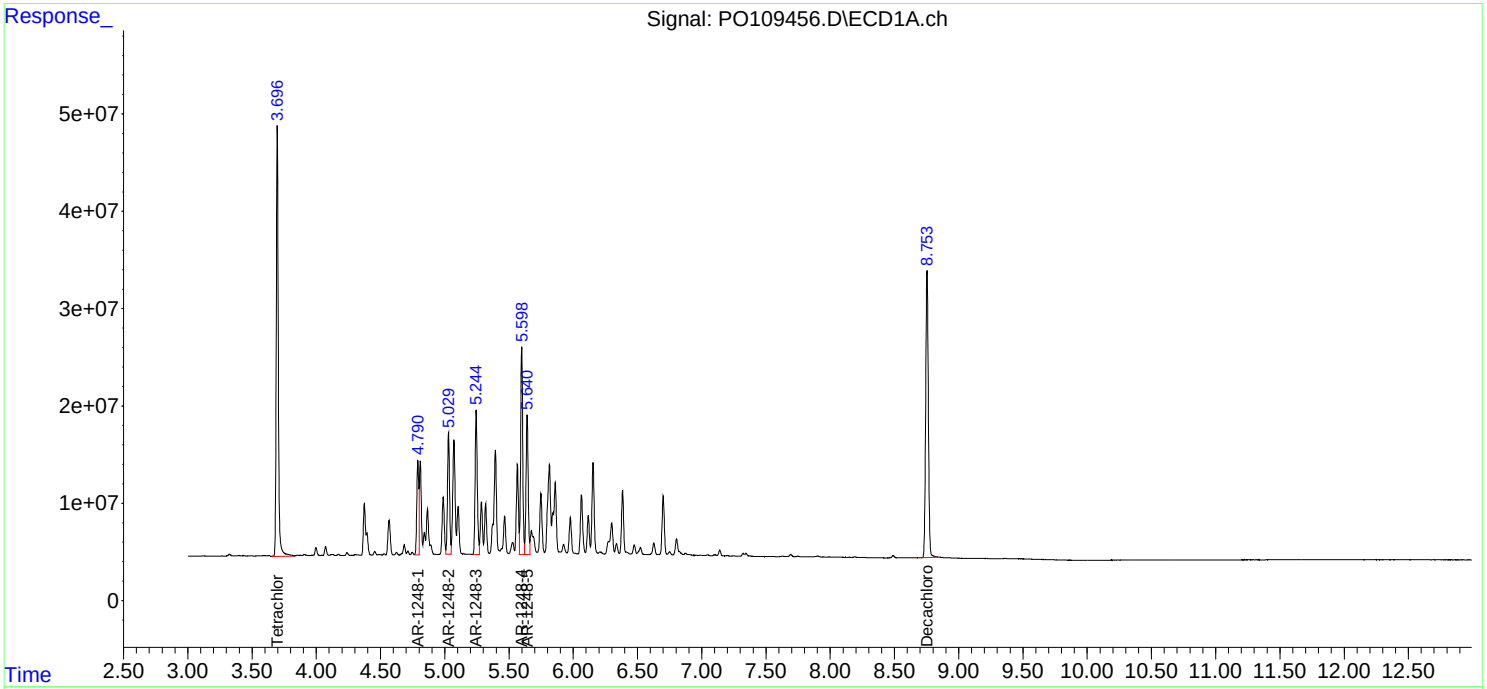
ICAL Form

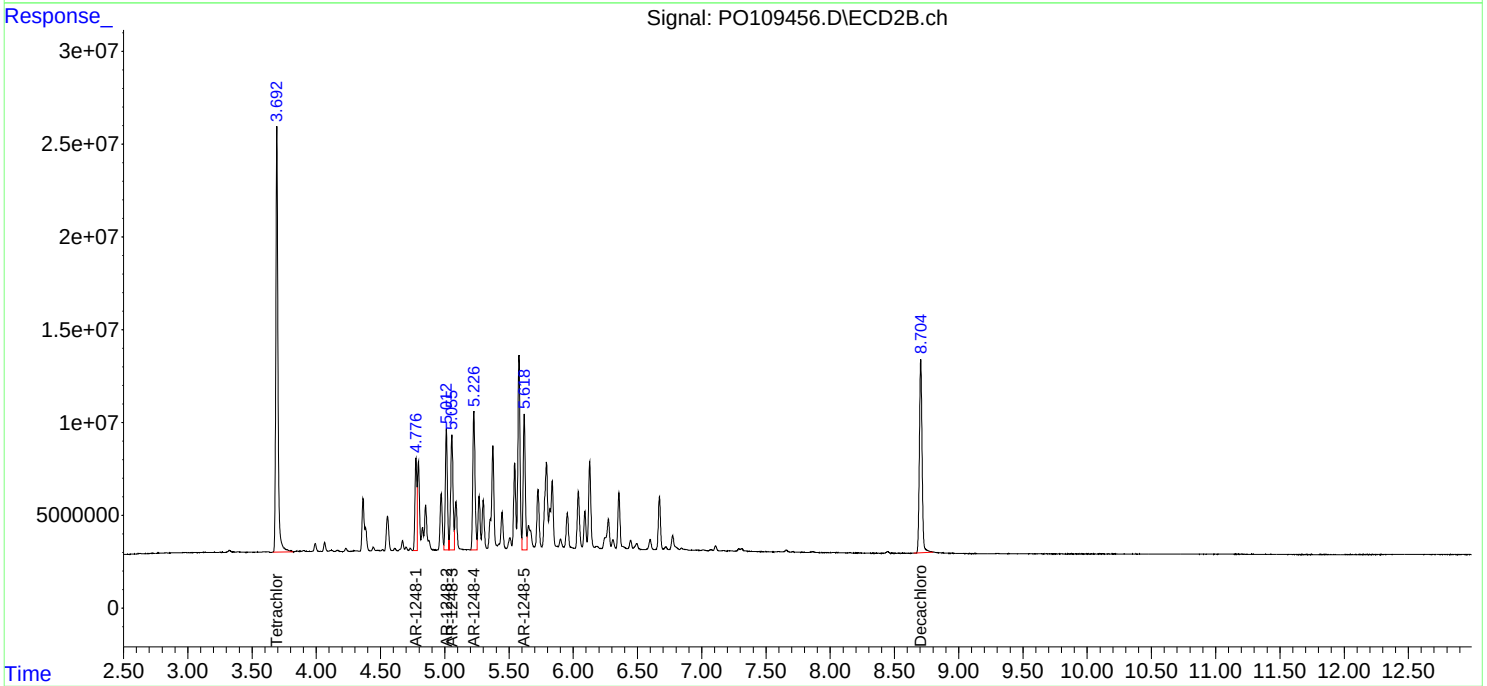
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 01:57
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

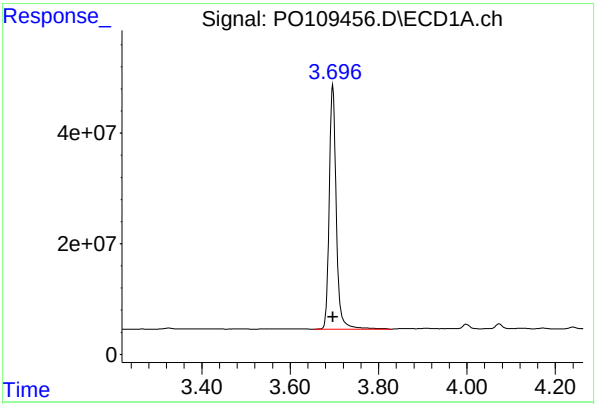
Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 02:49:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 02:44:39 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



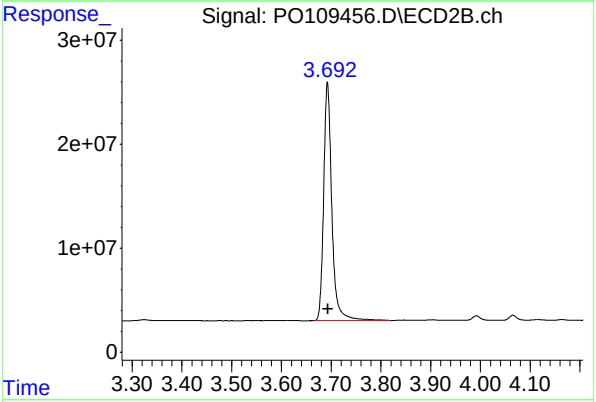




#1 Tetrachloro-m-xylene

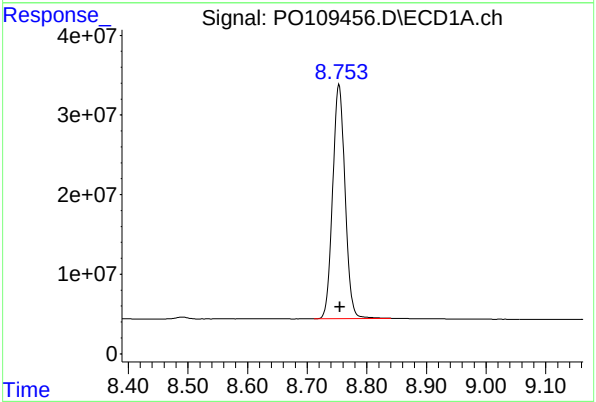
R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 490466268
Conc: 50.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1248



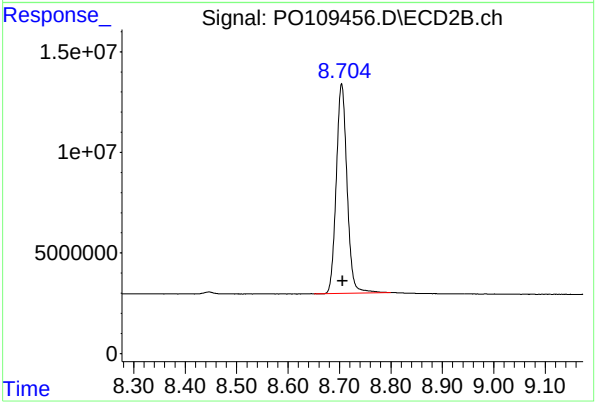
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 262069582
Conc: 50.19 ng/ml



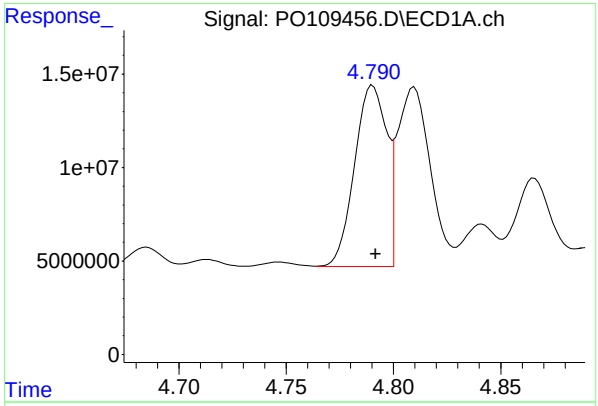
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: -0.002 min
Response: 425323457
Conc: 51.02 ng/ml



#2 Decachlorobiphenyl

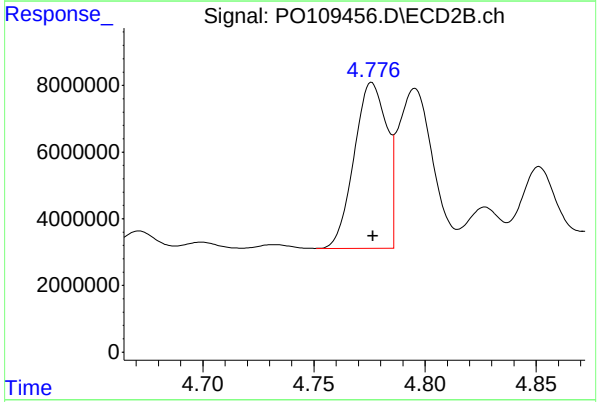
R.T.: 8.704 min
Delta R.T.: -0.002 min
Response: 152041432
Conc: 50.04 ng/ml



#21 AR-1248-1

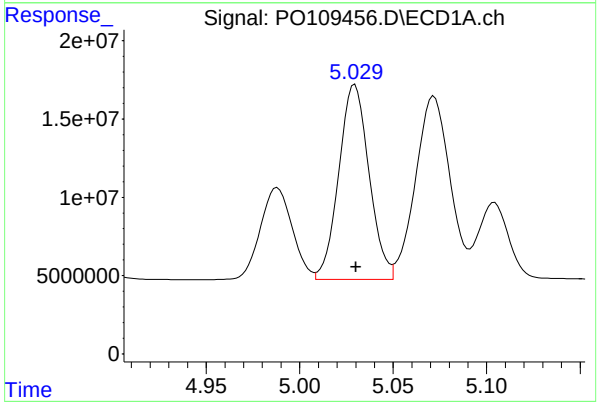
R.T.: 4.790 min
Delta R.T.: -0.001 min
Response: 100944244
Conc: 502.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1248



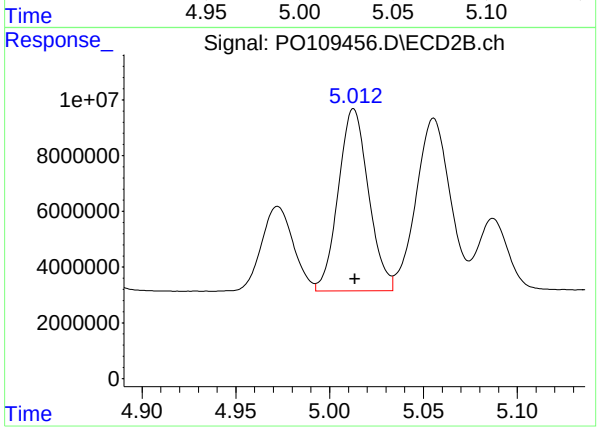
#21 AR-1248-1

R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 50731291
Conc: 503.45 ng/ml



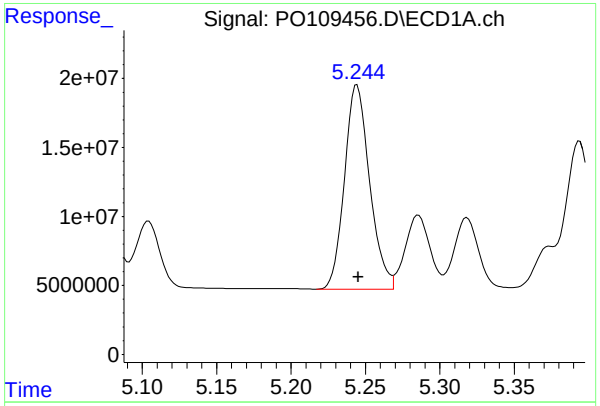
#22 AR-1248-2

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 140472362
Conc: 498.74 ng/ml



#22 AR-1248-2

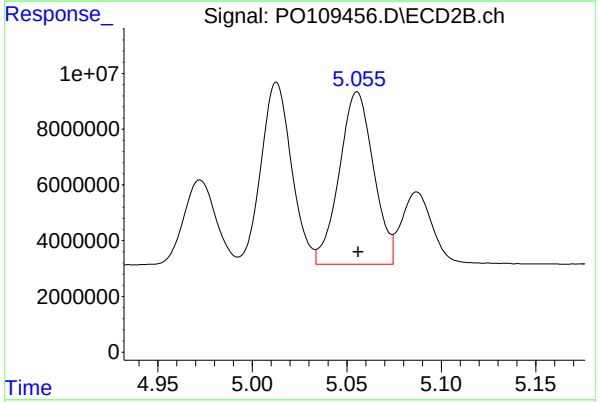
R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 73502388
Conc: 501.99 ng/ml



#23 AR-1248-3

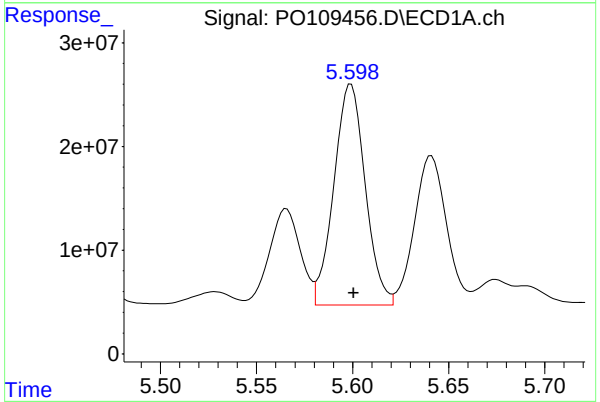
R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 174228920
Conc: 503.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1248



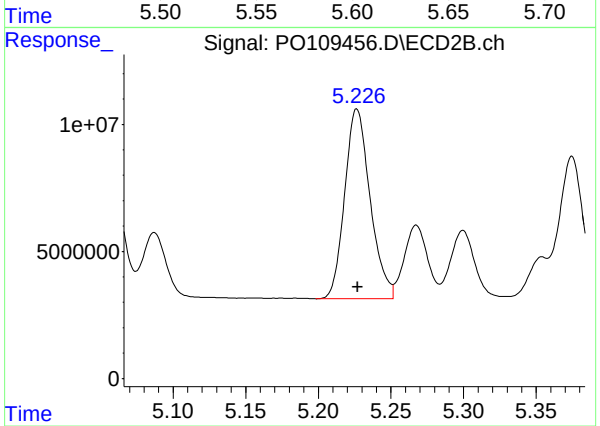
#23 AR-1248-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 78184021
Conc: 502.14 ng/ml



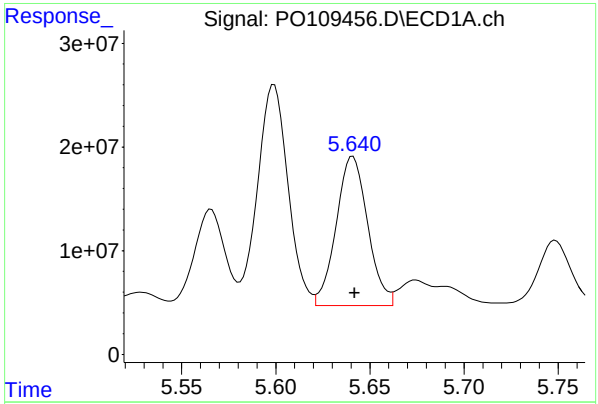
#24 AR-1248-4

R.T.: 5.599 min
Delta R.T.: -0.001 min
Response: 240275117
Conc: 501.43 ng/ml



#24 AR-1248-4

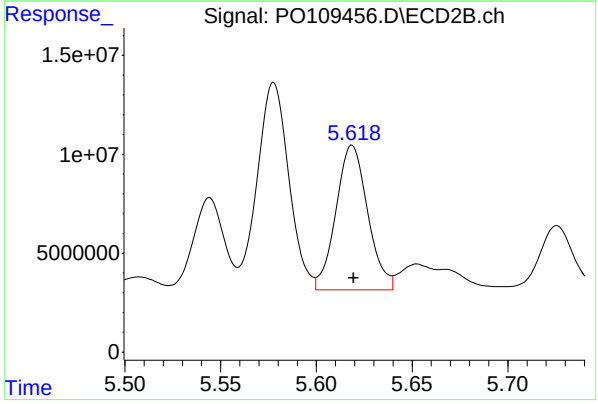
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 91183159
Conc: 505.55 ng/ml



#25 AR-1248-5

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 167514993
Conc: 496.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1248



#25 AR-1248-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 84456599
Conc: 498.05 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 02:15
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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...	3.696	3.693	499.8E6	265.5E6	50.778	50.913
2)	SA Decachlor...	8.755	8.705	431.6E6	154.0E6	50.609	50.133
	Target Compounds						
26)	L6 AR-1254-1	5.600	5.579	259.2E6	131.6E6	503.961	504.534
27)	L6 AR-1254-2	5.749	5.727	227.8E6	116.8E6	504.590	506.344
28)	L6 AR-1254-3	6.155	6.129	367.1E6	181.9E6	505.885	503.874
29)	L6 AR-1254-4	6.385	6.356	217.7E6	101.2E6	507.824	506.393
30)	L6 AR-1254-5	6.805	6.775	319.4E6	149.4E6	505.658	504.131

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

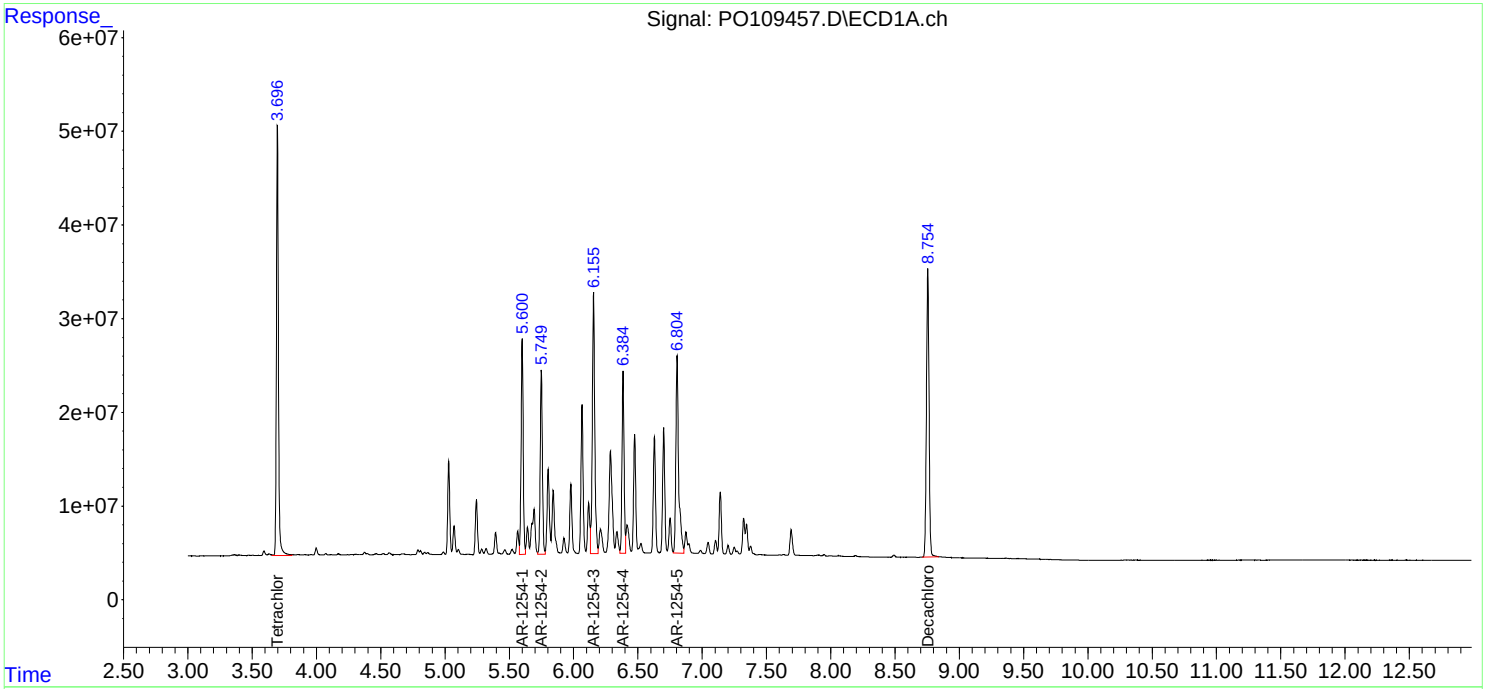
ICAL Form

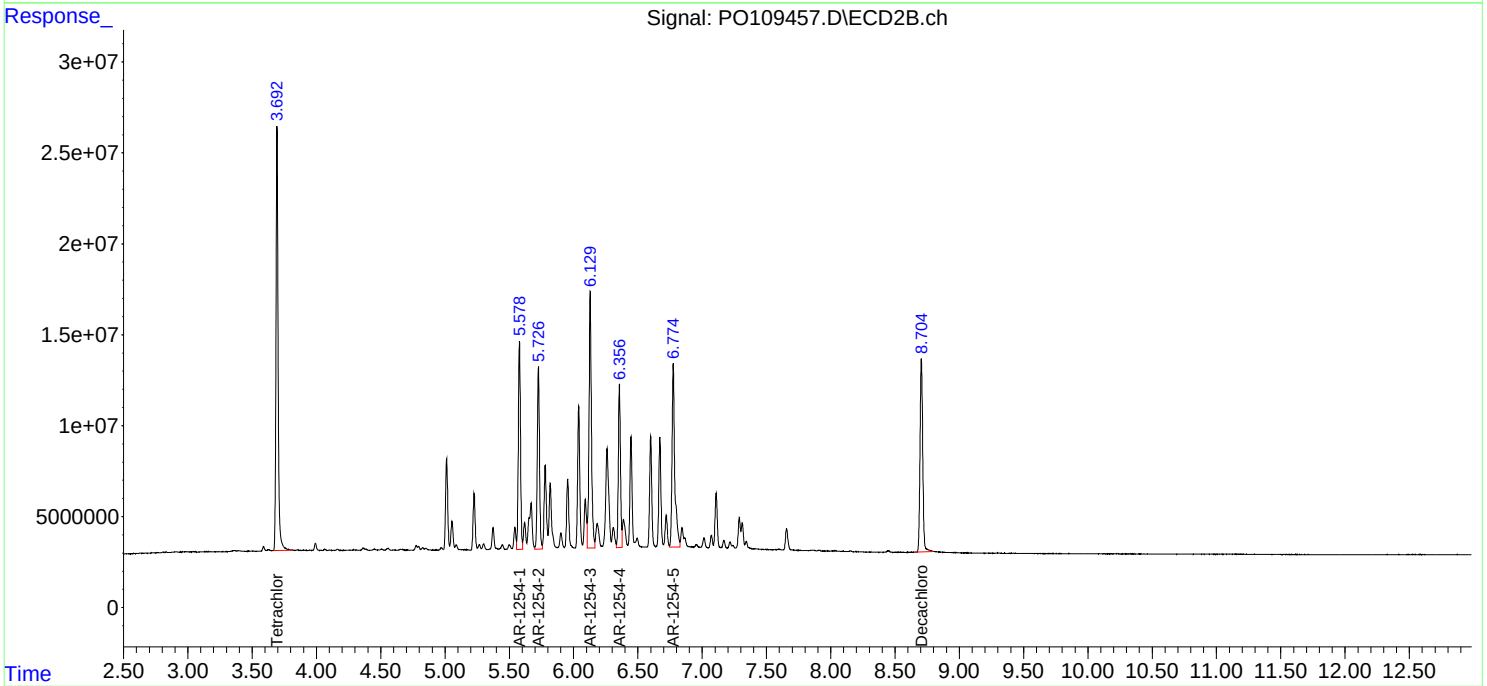
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 02:15
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

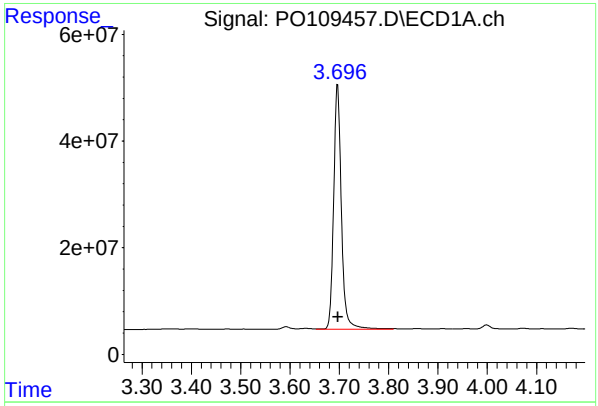
Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 03:06:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 03:04:52 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



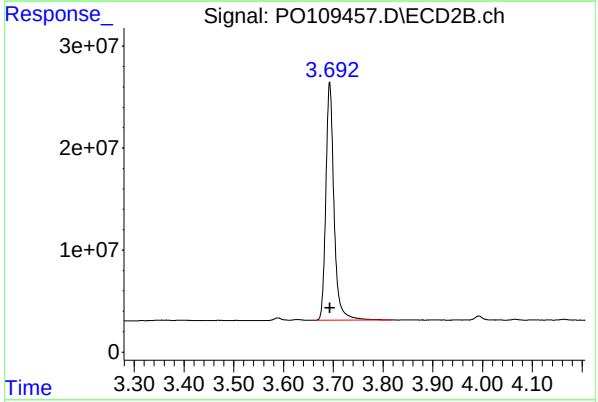




#1 Tetrachloro-m-xylene

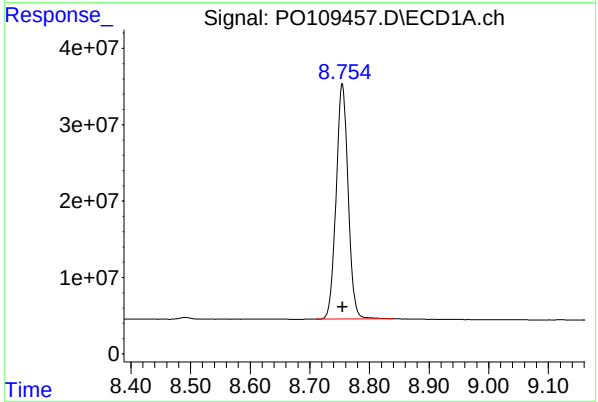
R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 499836032
Conc: 50.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1254



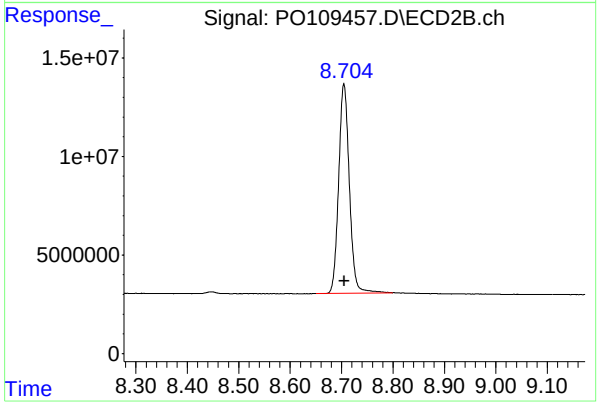
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 265489951
Conc: 50.91 ng/ml



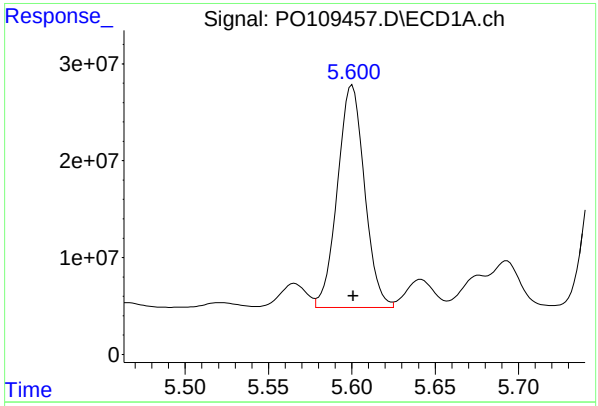
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: 0.000 min
Response: 431607149
Conc: 50.61 ng/ml



#2 Decachlorobiphenyl

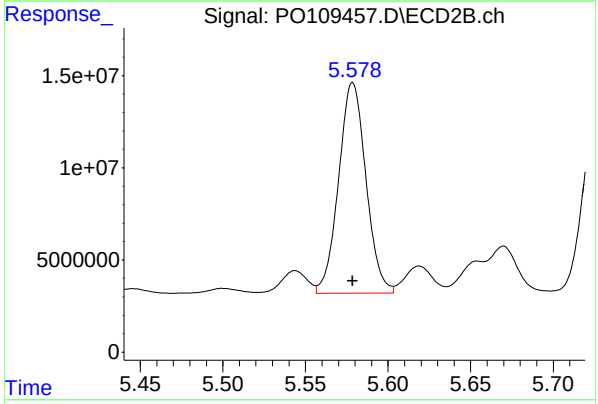
R.T.: 8.705 min
Delta R.T.: 0.000 min
Response: 154033700
Conc: 50.13 ng/ml



#26 AR-1254-1

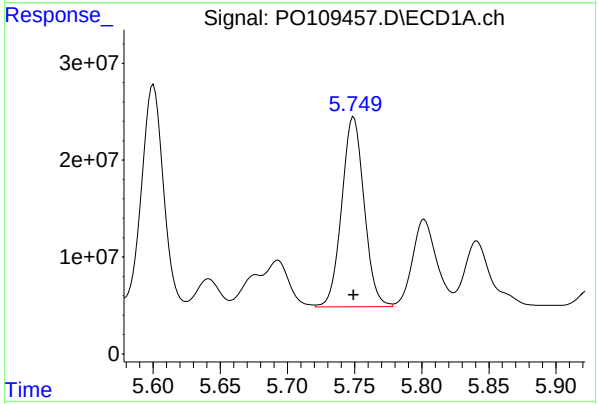
R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 259182509
Conc: 503.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1254



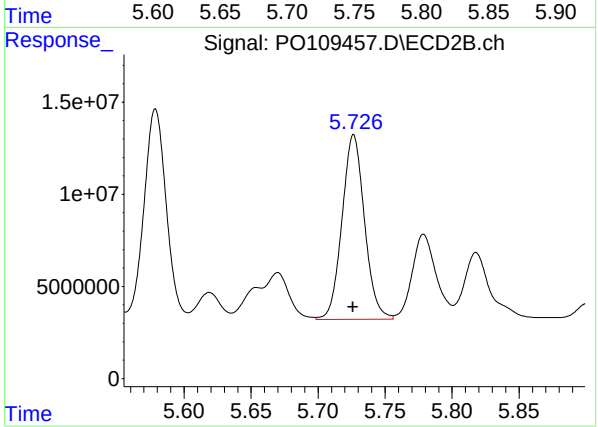
#26 AR-1254-1

R.T.: 5.579 min
Delta R.T.: 0.000 min
Response: 131640242
Conc: 504.53 ng/ml



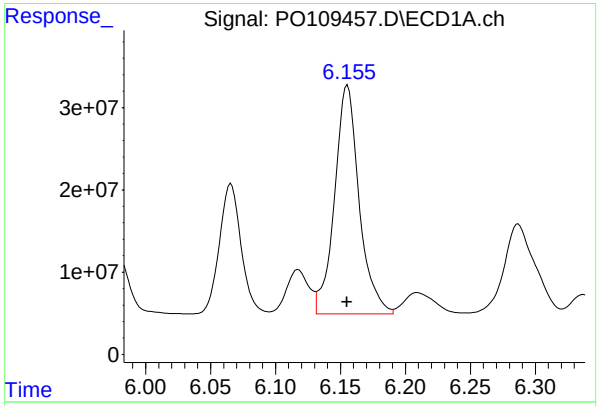
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 227813435
Conc: 504.59 ng/ml



#27 AR-1254-2

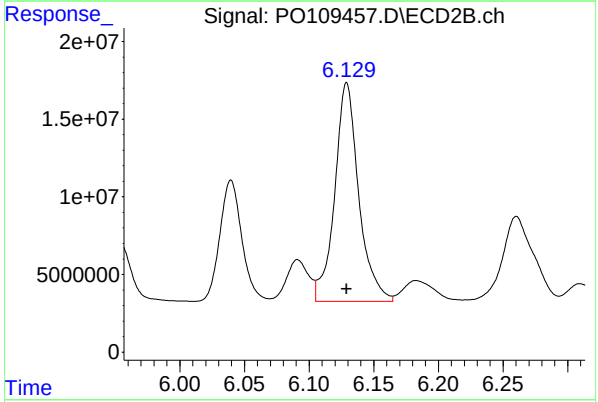
R.T.: 5.727 min
Delta R.T.: 0.000 min
Response: 116803575
Conc: 506.34 ng/ml



#28 AR-1254-3

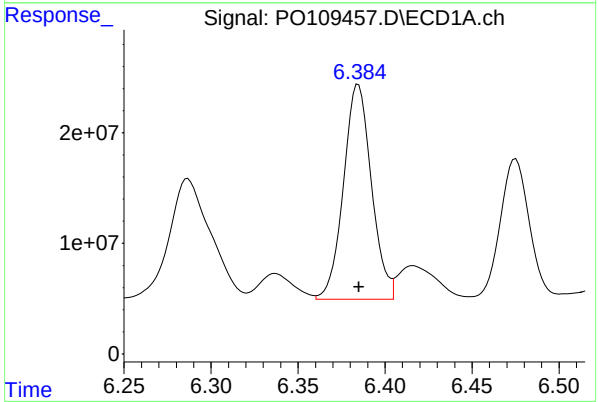
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 367084723
Conc: 505.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1254



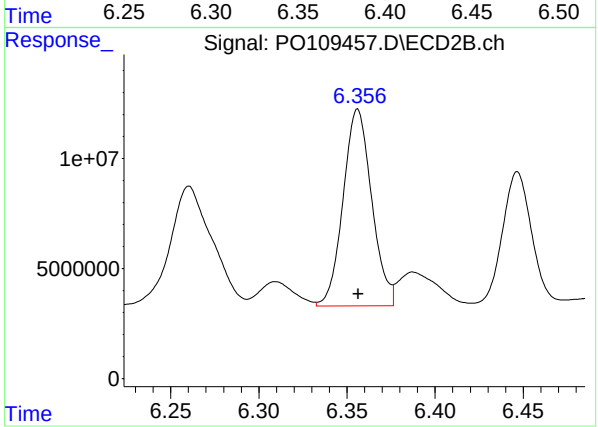
#28 AR-1254-3

R.T.: 6.129 min
Delta R.T.: 0.000 min
Response: 181873790
Conc: 503.87 ng/ml



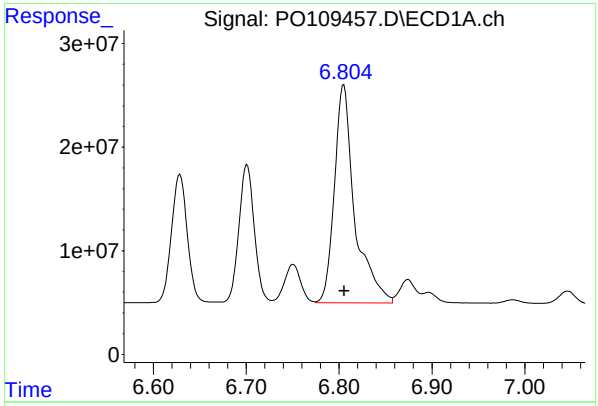
#29 AR-1254-4

R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 217729027
Conc: 507.82 ng/ml



#29 AR-1254-4

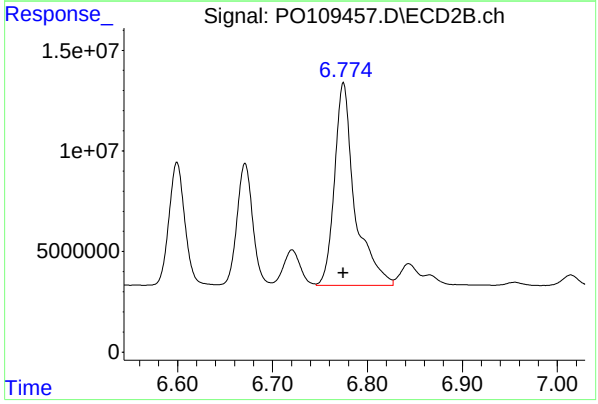
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 101150355
Conc: 506.39 ng/ml



#30 AR-1254-5

R.T.: 6.805 min
Delta R.T.: 0.000 mi
Response: 319385335
Conc: 505.66 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1254



#30 AR-1254-5

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 149412622
Conc: 504.13 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 02:34
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:18:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.693	505.7E6	272.2E6	50.812	51.081
2)	SA Decachlor...	8.754	8.704	737.4E6	260.5E6	50.951	50.843
	Target Compounds						
41)	L9 AR-1268-1	7.631	7.596	670.6E6	287.4E6	508.735	509.428
42)	L9 AR-1268-2	7.696	7.660	616.2E6	265.8E6	510.180	510.135
43)	L9 AR-1268-3	7.905	7.868	517.0E6	214.7E6	510.419	510.625
44)	L9 AR-1268-4	8.193	8.152	213.4E6	83152742	507.822	509.893
45)	L9 AR-1268-5	8.491	8.446	1546.7E6	554.6E6	509.351	510.729

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

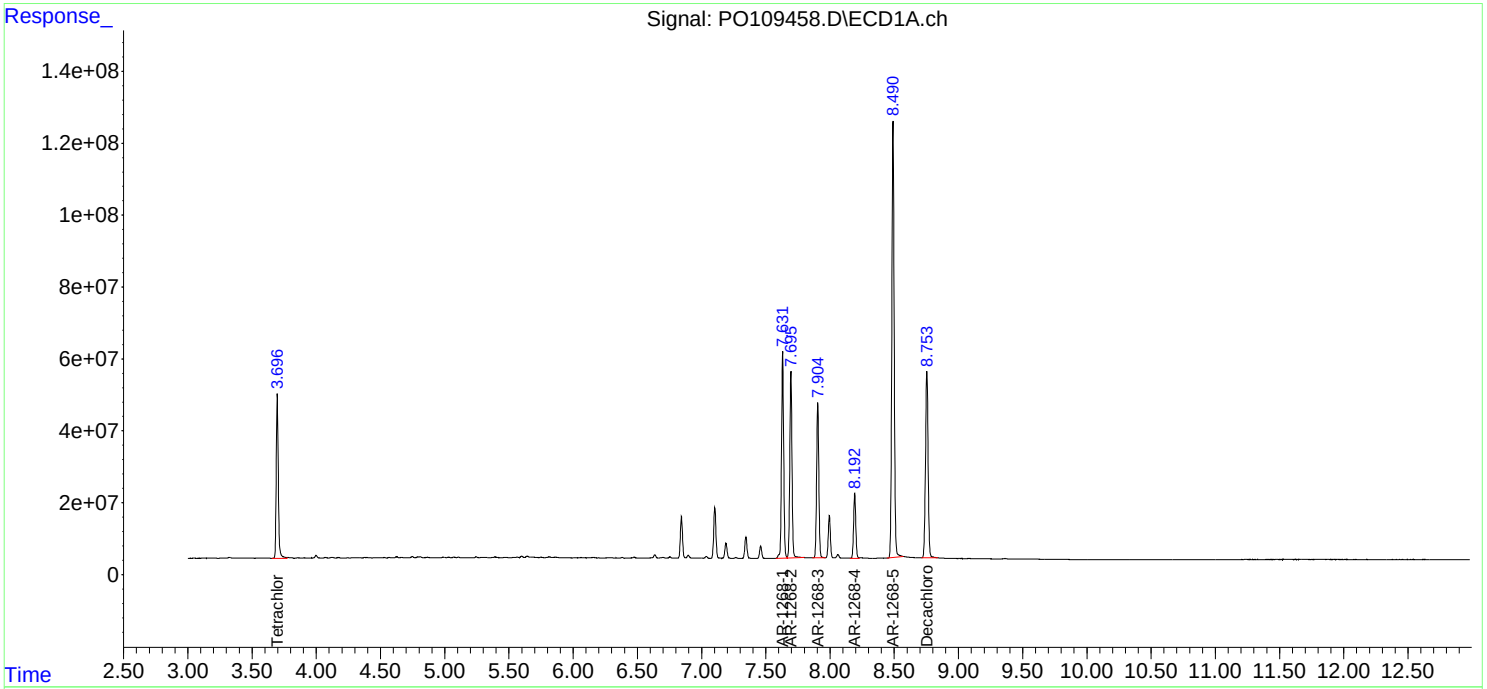
ICAL Form

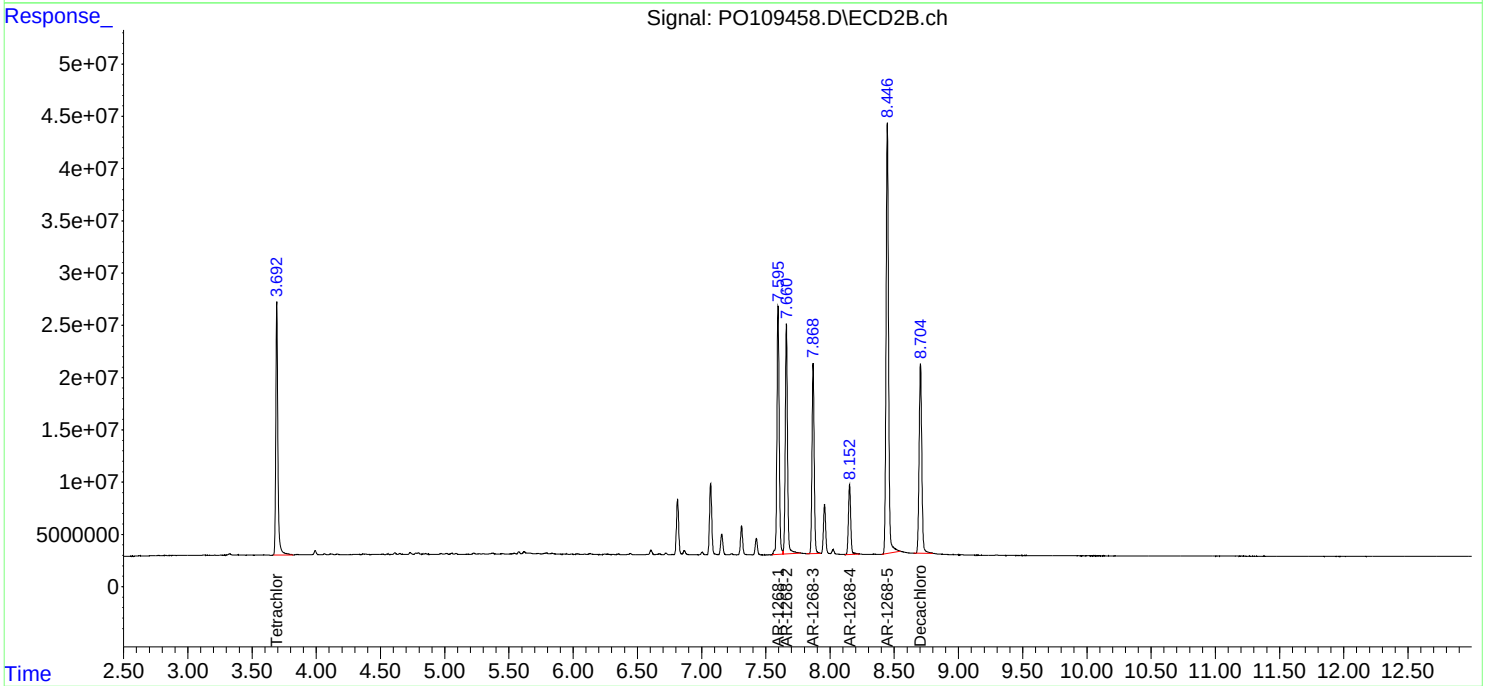
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 02:34
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

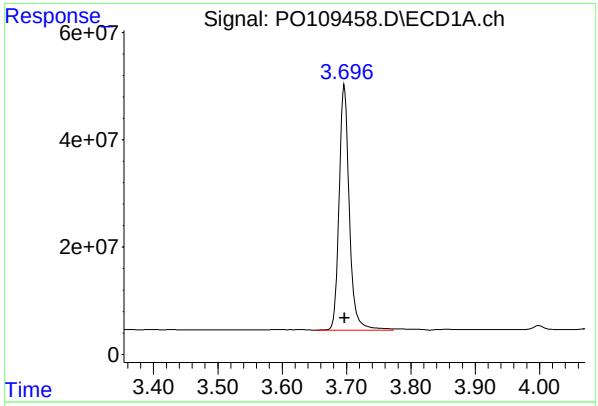
Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:18:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:14:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



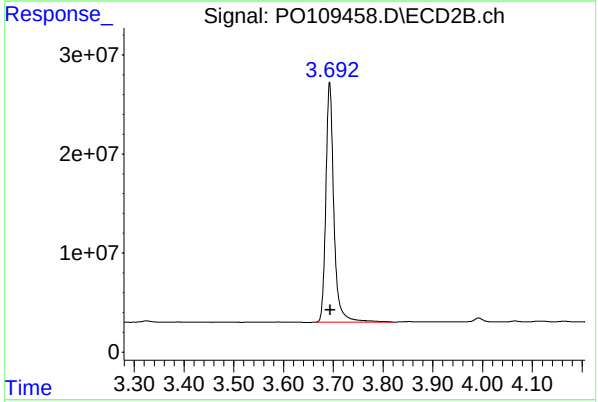




#1 Tetrachloro-m-xylene

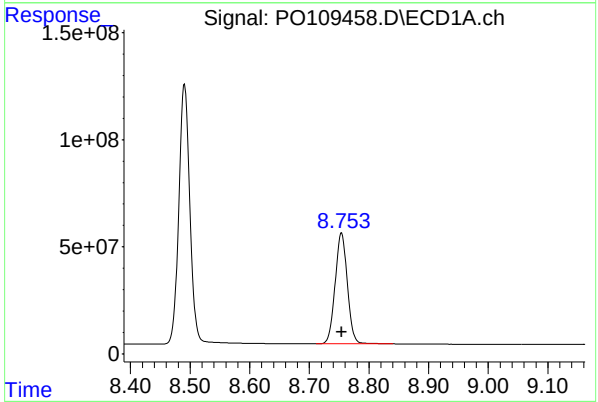
R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 505735426
Conc: 50.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1268



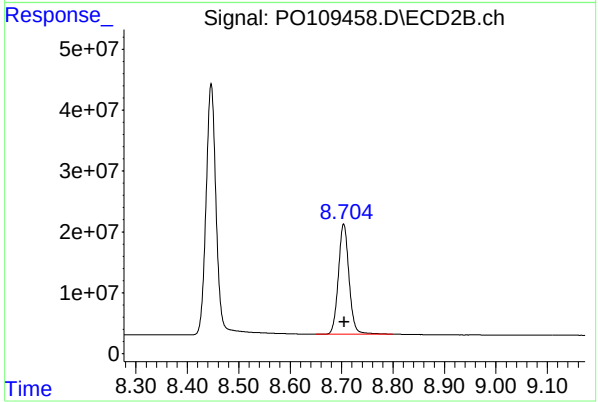
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 272175658
Conc: 51.08 ng/ml



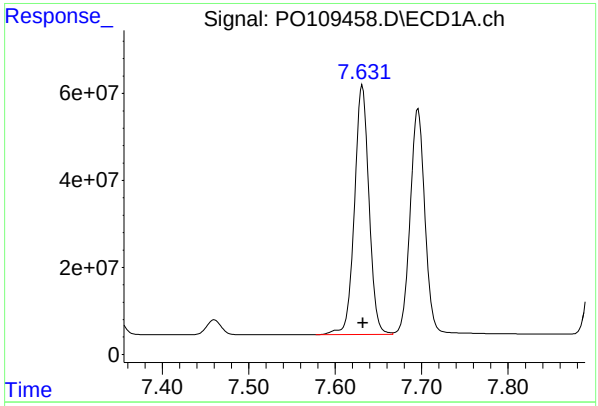
#2 Decachlorobiphenyl

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 737364779
Conc: 50.95 ng/ml



#2 Decachlorobiphenyl

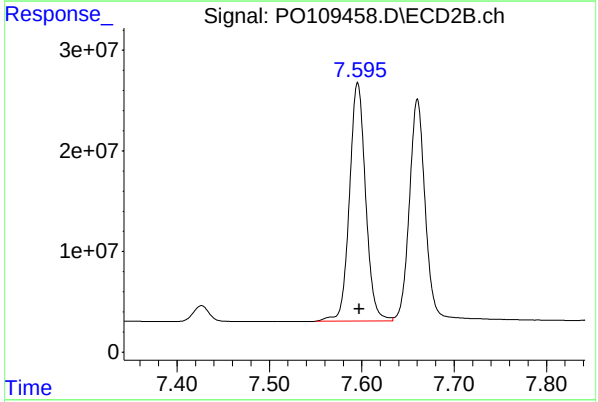
R.T.: 8.704 min
Delta R.T.: -0.001 min
Response: 260514608
Conc: 50.84 ng/ml



#41 AR-1268-1

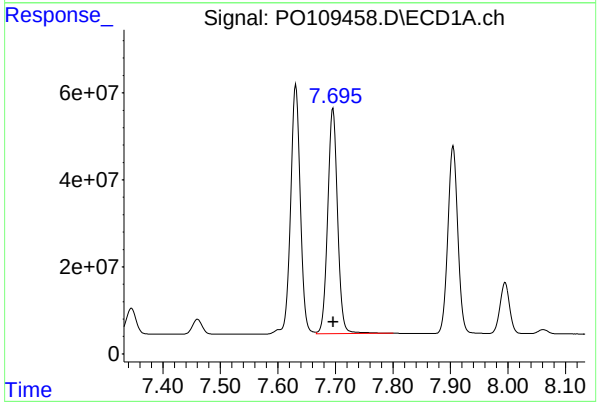
R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 670575826
Conc: 508.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1268



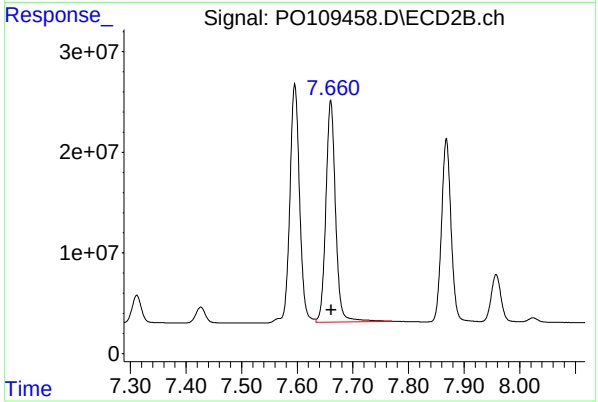
#41 AR-1268-1

R.T.: 7.596 min
Delta R.T.: -0.002 min
Response: 287406148
Conc: 509.43 ng/ml



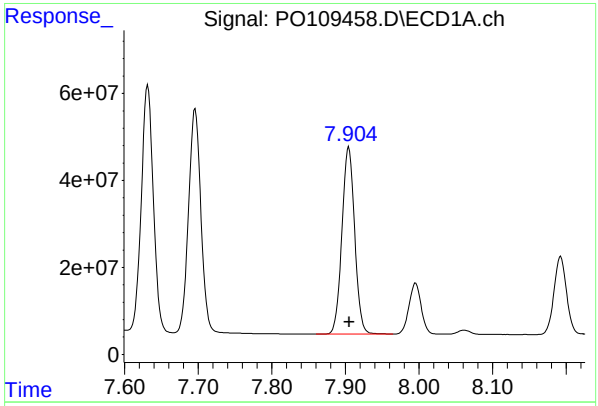
#42 AR-1268-2

R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 616237298
Conc: 510.18 ng/ml



#42 AR-1268-2

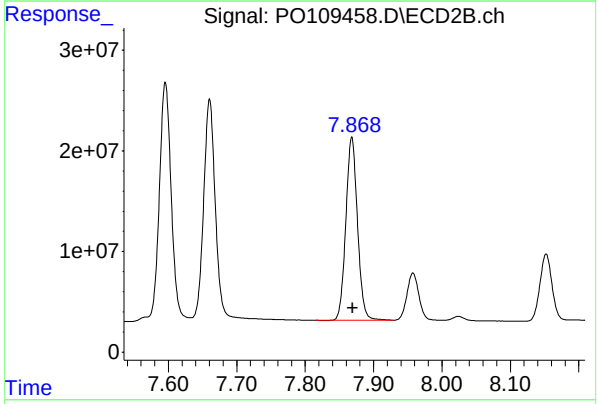
R.T.: 7.660 min
Delta R.T.: -0.001 min
Response: 265754580
Conc: 510.14 ng/ml



#43 AR-1268-3

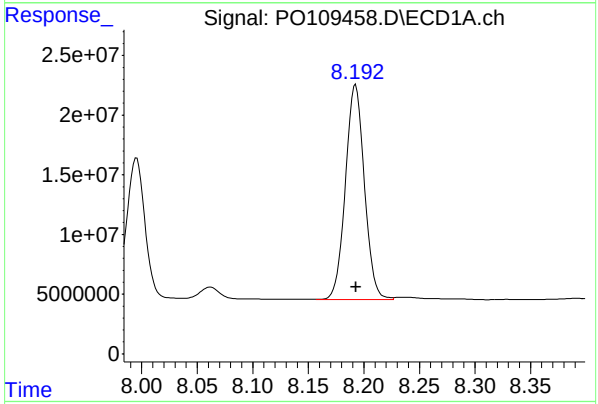
R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 516958750
Conc: 510.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1268



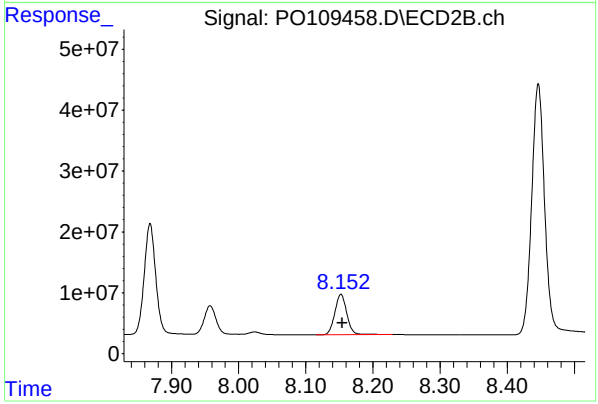
#43 AR-1268-3

R.T.: 7.868 min
Delta R.T.: -0.001 min
Response: 214730722
Conc: 510.62 ng/ml



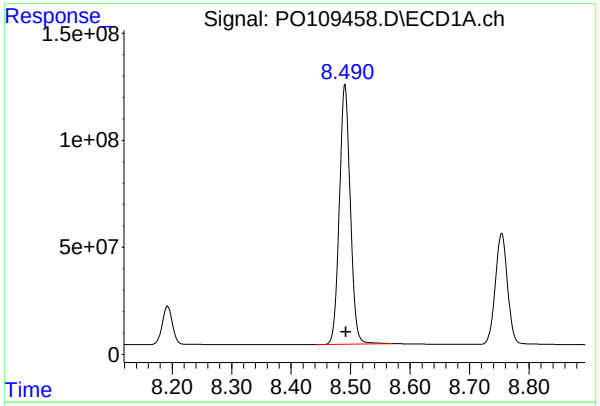
#44 AR-1268-4

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 213436849
Conc: 507.82 ng/ml



#44 AR-1268-4

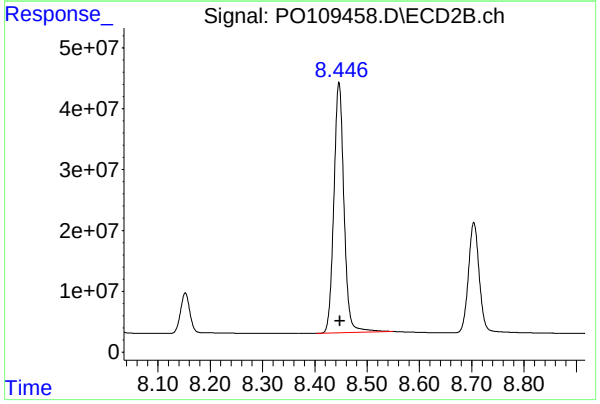
R.T.: 8.152 min
Delta R.T.: -0.002 min
Response: 83152742
Conc: 509.89 ng/ml



#45 AR-1268-5

R.T.: 8.491 min
Delta R.T.: -0.001 min
Response: 1546698404
Conc: 509.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO022025AR1268



#45 AR-1268-5

R.T.: 8.446 min
Delta R.T.: -0.002 min
Response: 554562757
Conc: 510.73 ng/ml

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: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

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

Calibration Times: 15:13 23:38

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

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

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

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

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

RETENTION TIMES OF INITIAL CALIBRATION

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

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: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

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

Calibration Times: 15:13 23:38

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

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

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

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

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

RETENTION TIMES OF INITIAL CALIBRATION

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

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

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

Calibration Times: 15:13 23:38

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

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

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

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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

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

Calibration Times: 15:13 23:38

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

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

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

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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.73	4.63	4.83	19940100
		2	4.81	4.71	4.91	14608700
		3	4.89	4.79	4.99	44364600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.11	8.01	8.21	81718600
		2	8.43	8.33	8.53	164714000
		3	8.75	8.65	8.85	112164000
		4	8.83	8.73	8.93	83803800
		5	9.49	9.39	9.59	58896200

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.04	3.94	4.14	14882500
		2	4.13	4.03	4.23	11429100
		3	4.20	4.10	4.30	33421800
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.96	6.86	7.06	83664000
		2	7.22	7.12	7.32	68729800
		3	7.74	7.64	7.84	65986200
		4	7.81	7.71	7.91	104435000
		5	8.31	8.21	8.41	51550000

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	146.3E6	90189826	96.299	93.878
2)	SA Decachlor...	10.254	8.881	100.5E6	93540003	96.223	96.862
	Target Compounds						
3)	L1 AR-1016-1	5.679	4.917	46284919	31619052	949.625	933.606
4)	L1 AR-1016-2	5.700	4.935	68727144	44662617	955.739	933.736
5)	L1 AR-1016-3	5.763	5.112	41881157	24906943	949.392	929.187
6)	L1 AR-1016-4	5.860	5.154	34693414	19770953	934.220	926.606
7)	L1 AR-1016-5	6.153	5.369	32535779	25646269	956.384	934.042
31)	L7 AR-1260-1	7.273	6.406	55067637	45267436	951.674	949.709
32)	L7 AR-1260-2	7.526	6.594	75483004	60652513	952.665	953.140
33)	L7 AR-1260-3	7.886	6.748	62678610	52248928	959.203	949.358
34)	L7 AR-1260-4	8.110	7.221	60990738	47067710	959.399	931.760
35)	L7 AR-1260-5	8.431	7.462	130.6E6	124.0E6	963.609	954.364

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

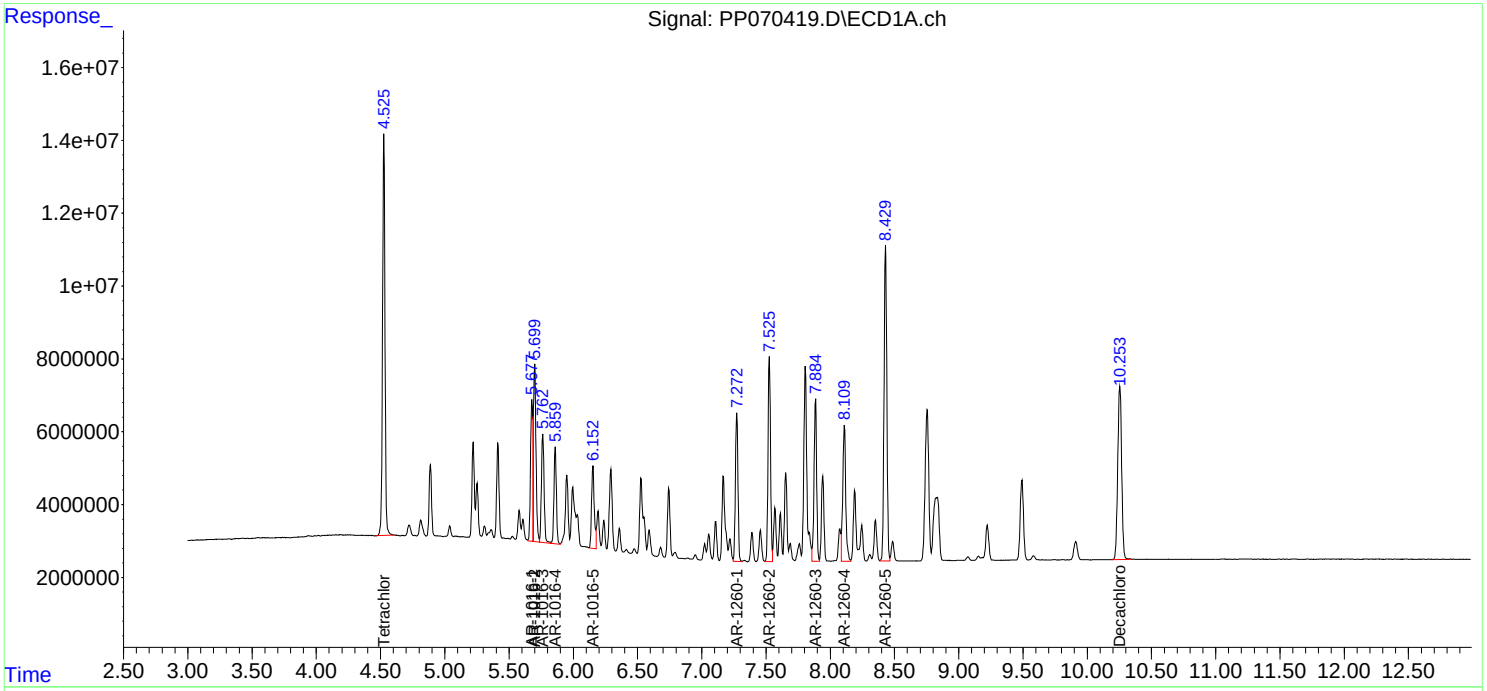
ICAL Form

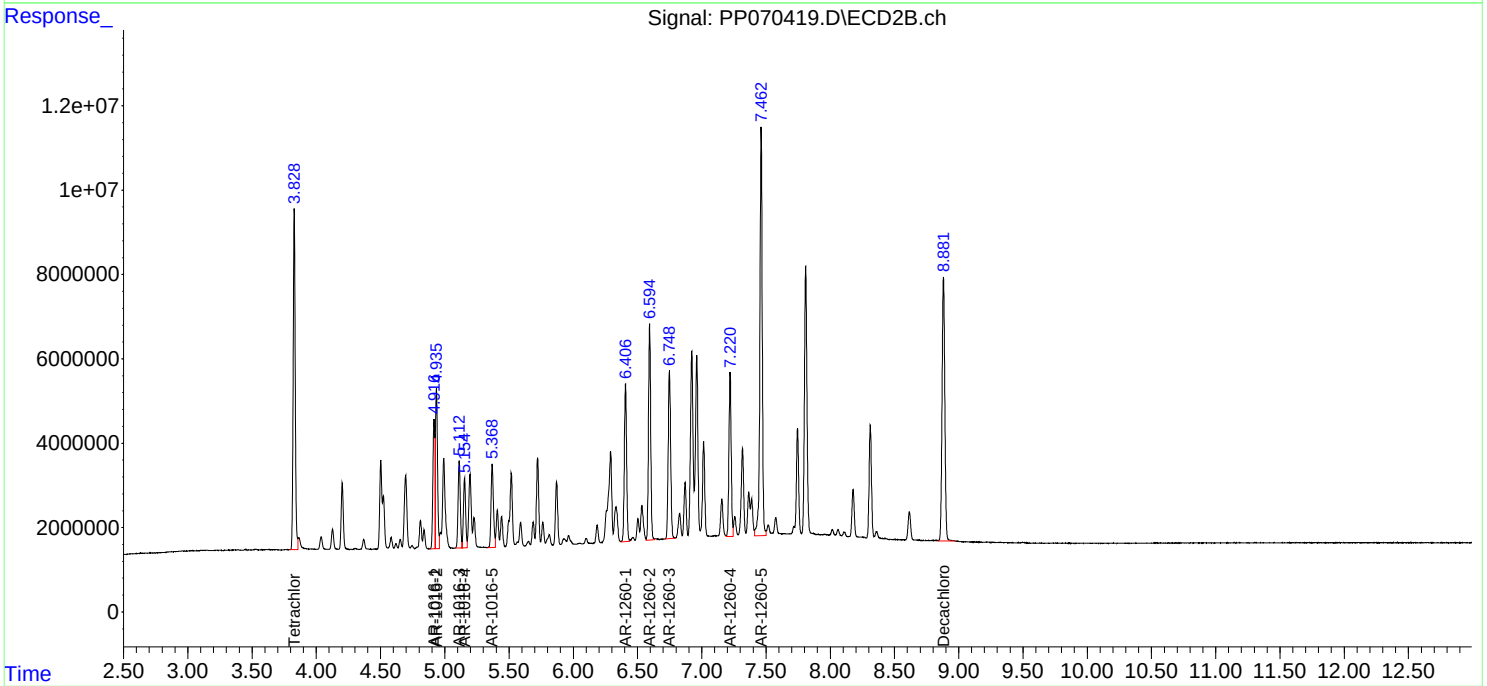
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:13
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

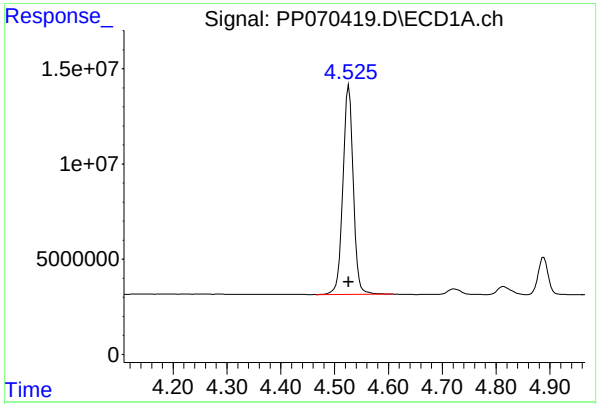
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

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

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



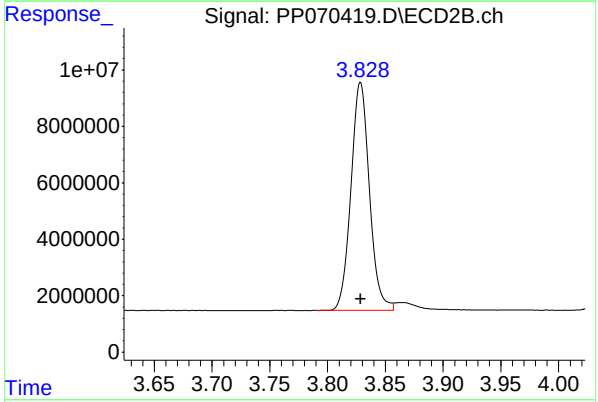




#1 Tetrachloro-m-xylene

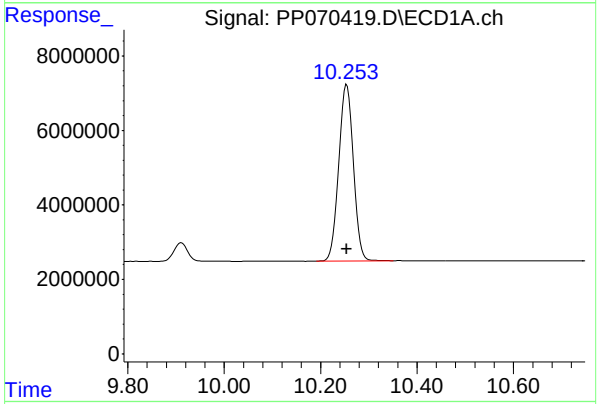
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 146296801
Conc: 96.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



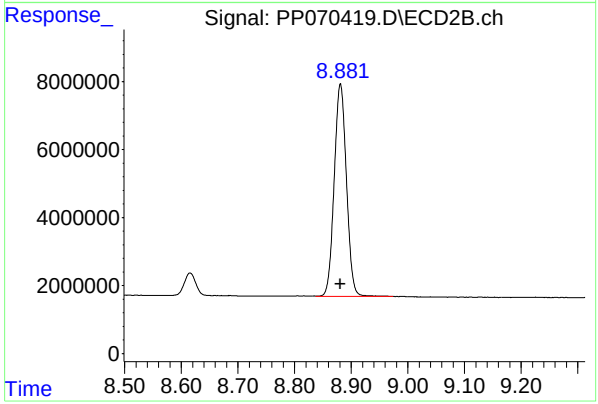
#1 Tetrachloro-m-xylene

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



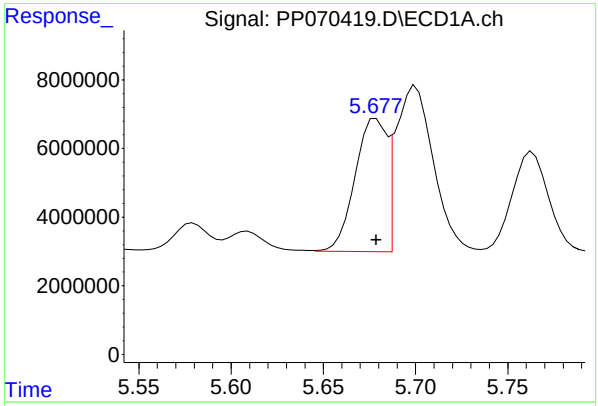
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

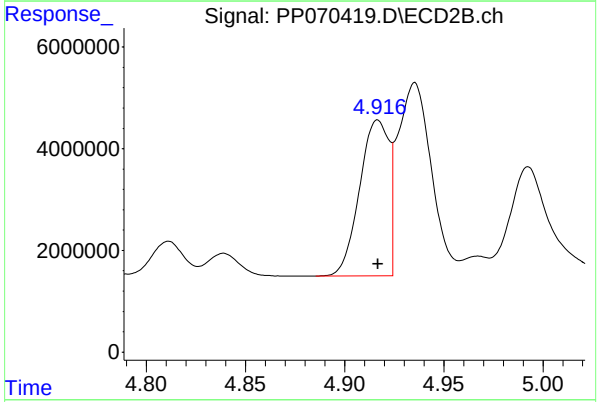
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 93540003
Conc: 96.86 ng/ml



#3 AR-1016-1

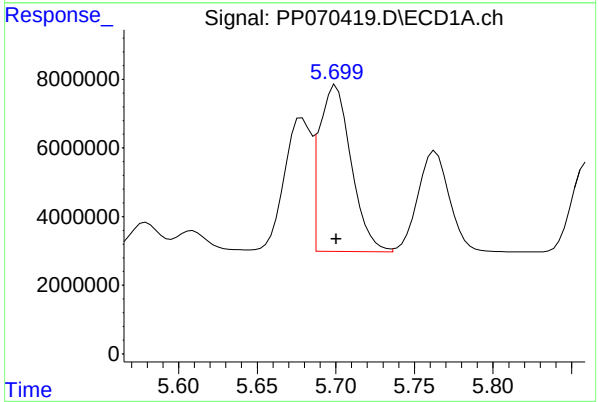
R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 46284919
Conc: 949.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



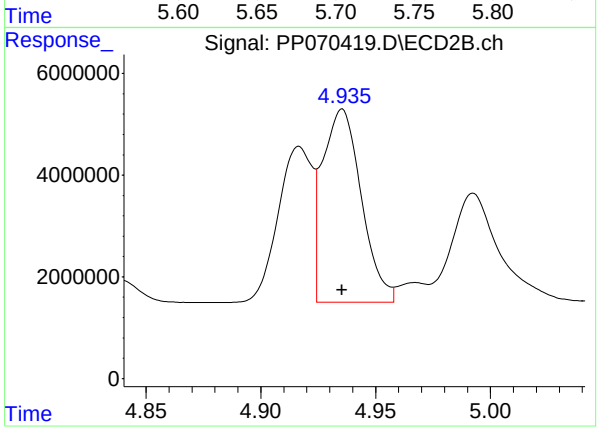
#3 AR-1016-1

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



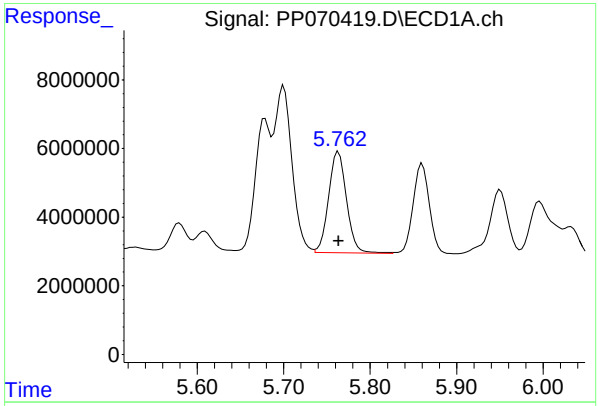
#4 AR-1016-2

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



#4 AR-1016-2

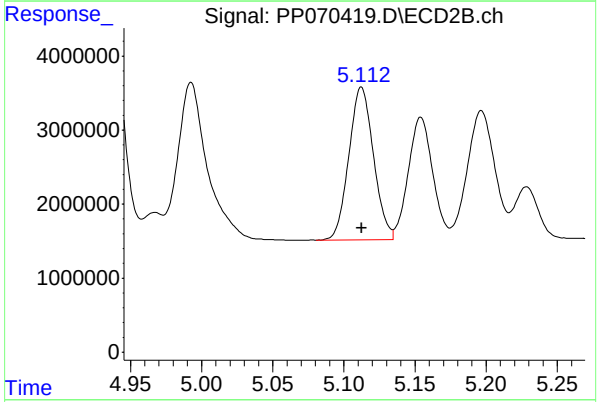
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 44662617
Conc: 933.74 ng/ml



#5 AR-1016-3

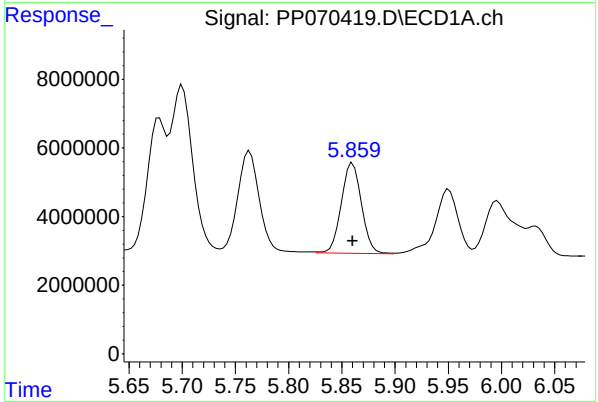
R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 41881157
Conc: 949.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



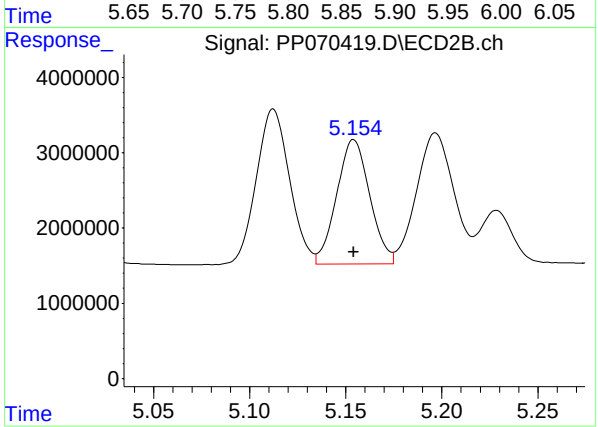
#5 AR-1016-3

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



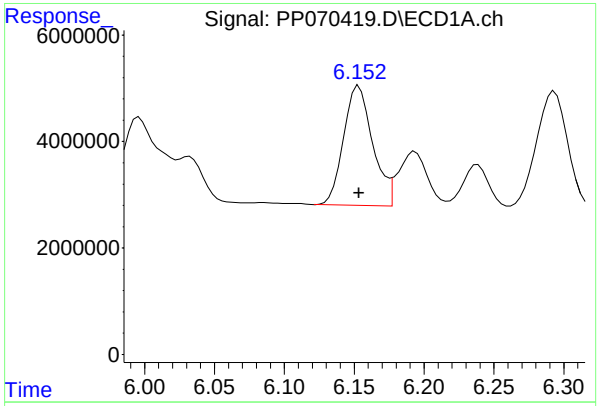
#6 AR-1016-4

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



#6 AR-1016-4

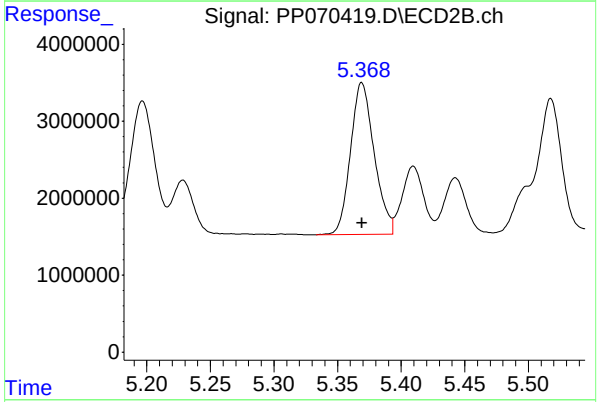
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 19770953
Conc: 926.61 ng/ml



#7 AR-1016-5

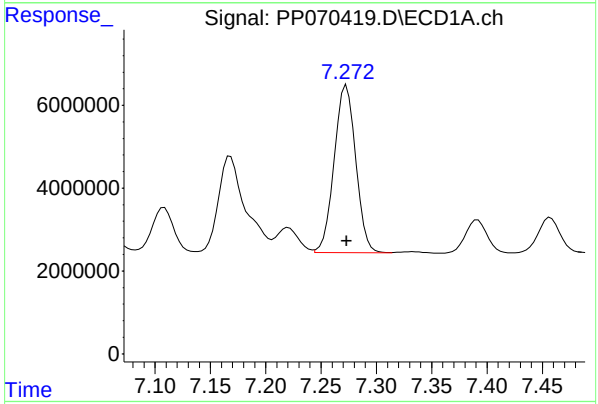
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 32535779
Conc: 956.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



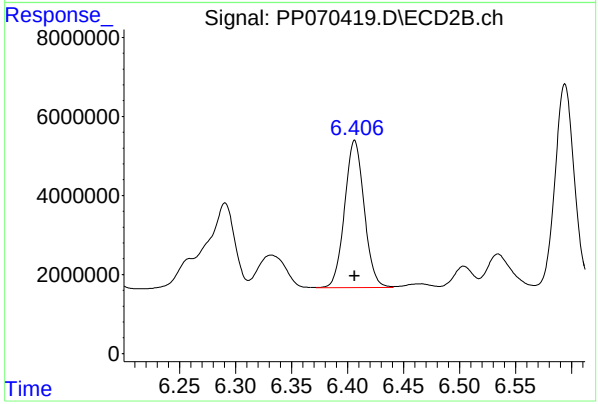
#7 AR-1016-5

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



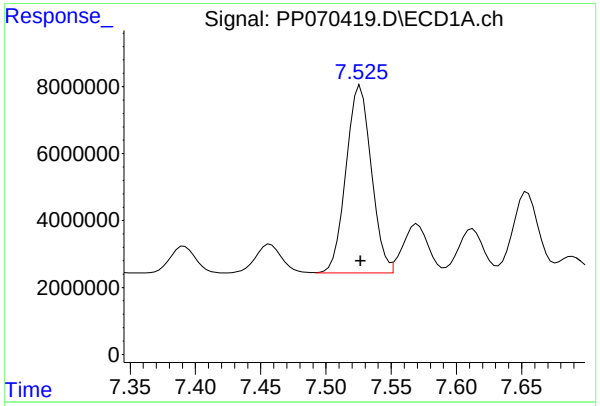
#31 AR-1260-1

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



#31 AR-1260-1

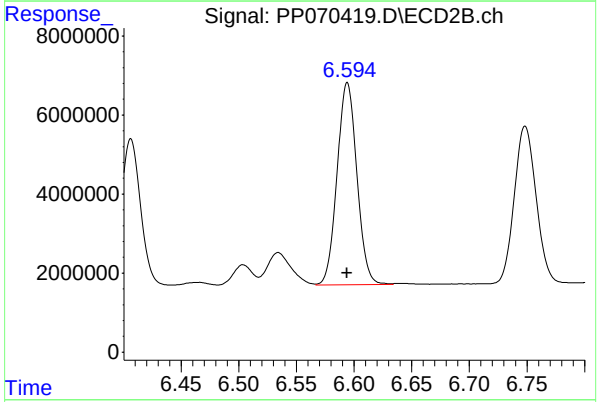
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 45267436
Conc: 949.71 ng/ml



#32 AR-1260-2

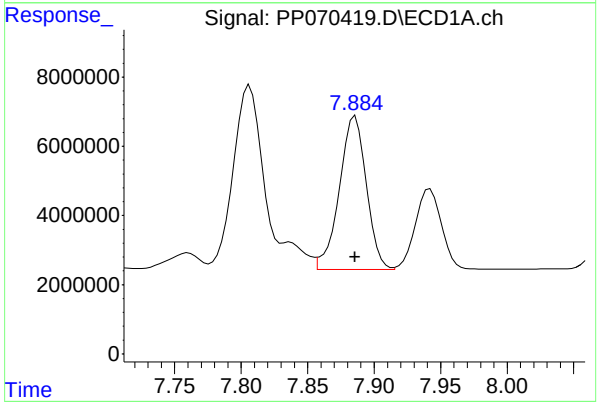
R.T.: 7.526 min
Delta R.T.: 0.000 min
Response: 75483004
Conc: 952.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



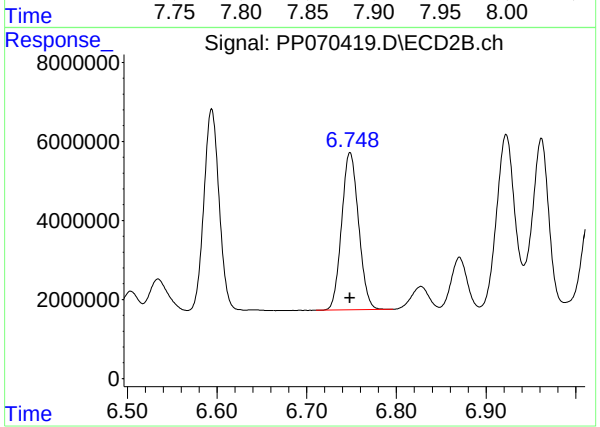
#32 AR-1260-2

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



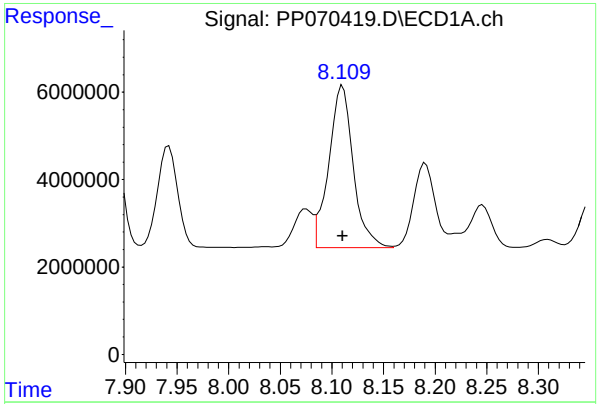
#33 AR-1260-3

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



#33 AR-1260-3

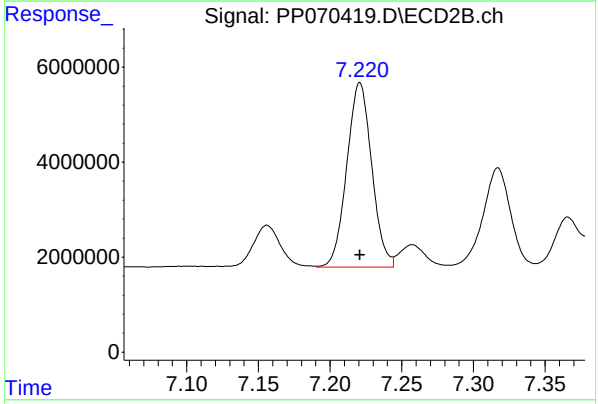
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 52248928
Conc: 949.36 ng/ml



#34 AR-1260-4

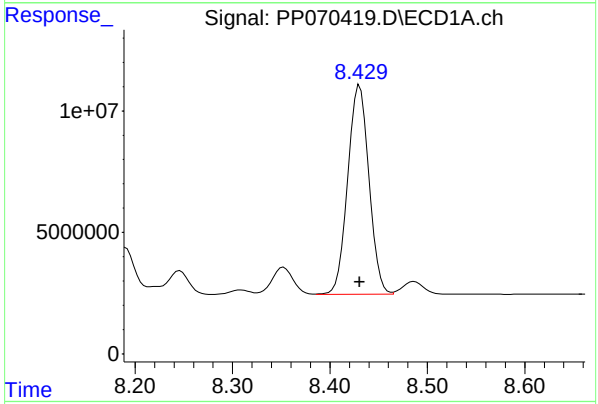
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 60990738
Conc: 959.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



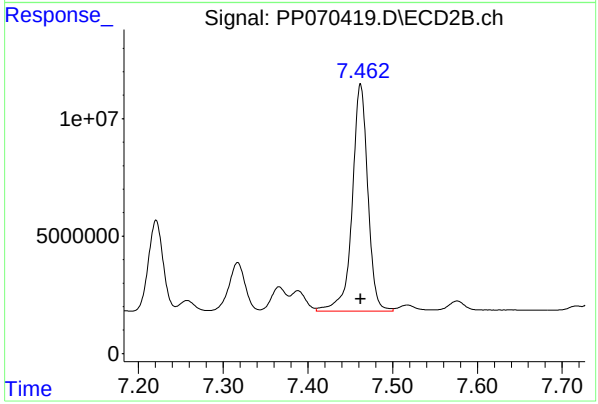
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	114.7E6	73231901	75.332	75.814
2)	SA Decachlor...	10.251	8.881	78316441	70837588	74.967	73.894
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.916	36468416	26259347	748.813	766.713
4)	L1 AR-1016-2	5.699	4.935	54195611	36649558	752.436	760.730
5)	L1 AR-1016-3	5.761	5.112	32877053	20393839	746.847	757.178
6)	L1 AR-1016-4	5.858	5.154	27837898	16253201	749.744	757.786
7)	L1 AR-1016-5	6.151	5.369	25290442	20548181	745.593	748.912
31)	L7 AR-1260-1	7.270	6.405	43699051	35731210	753.461	749.759
32)	L7 AR-1260-2	7.524	6.594	59458057	48055327	750.277	753.444
33)	L7 AR-1260-3	7.882	6.748	48742271	41574236	747.281	753.592
34)	L7 AR-1260-4	8.108	7.221	48512746	37381432	758.694	743.310
35)	L7 AR-1260-5	8.428	7.461	101.3E6	97534605	748.577	750.648

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

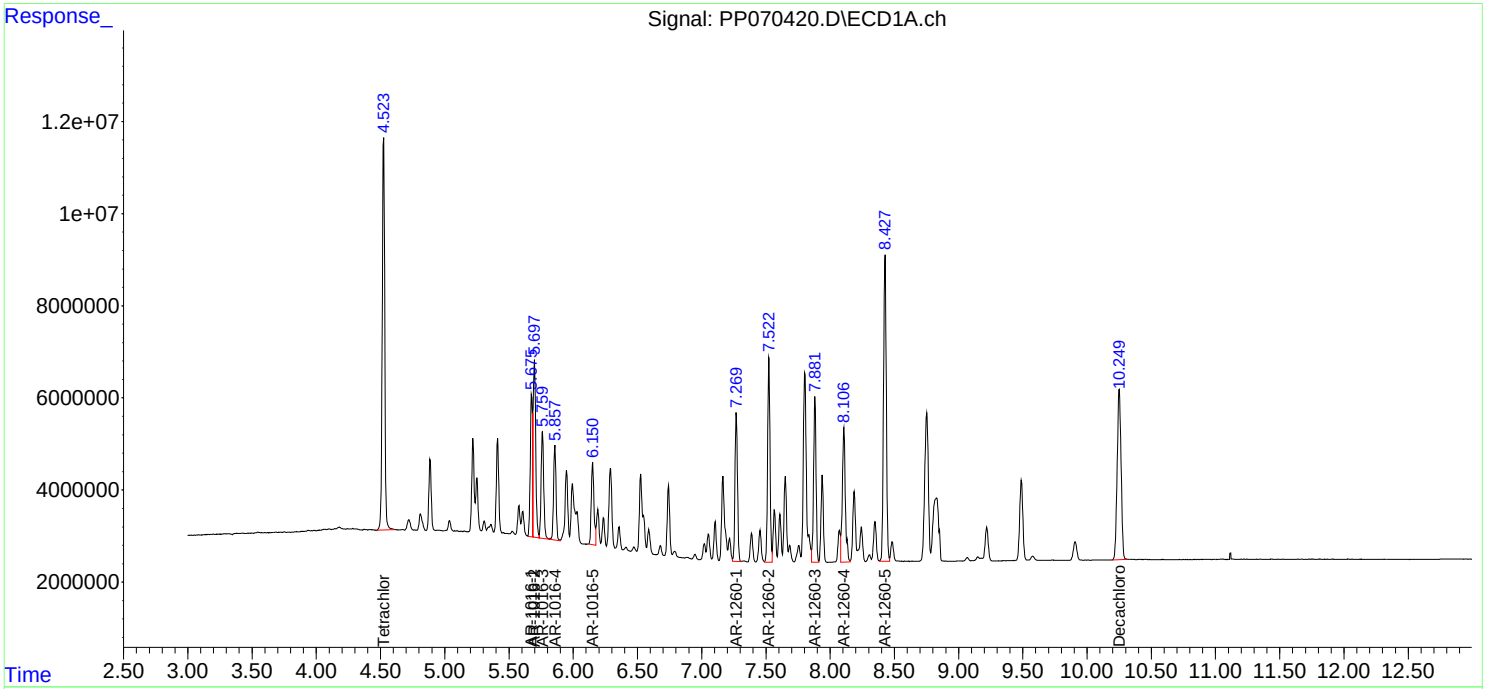
ICAL Form

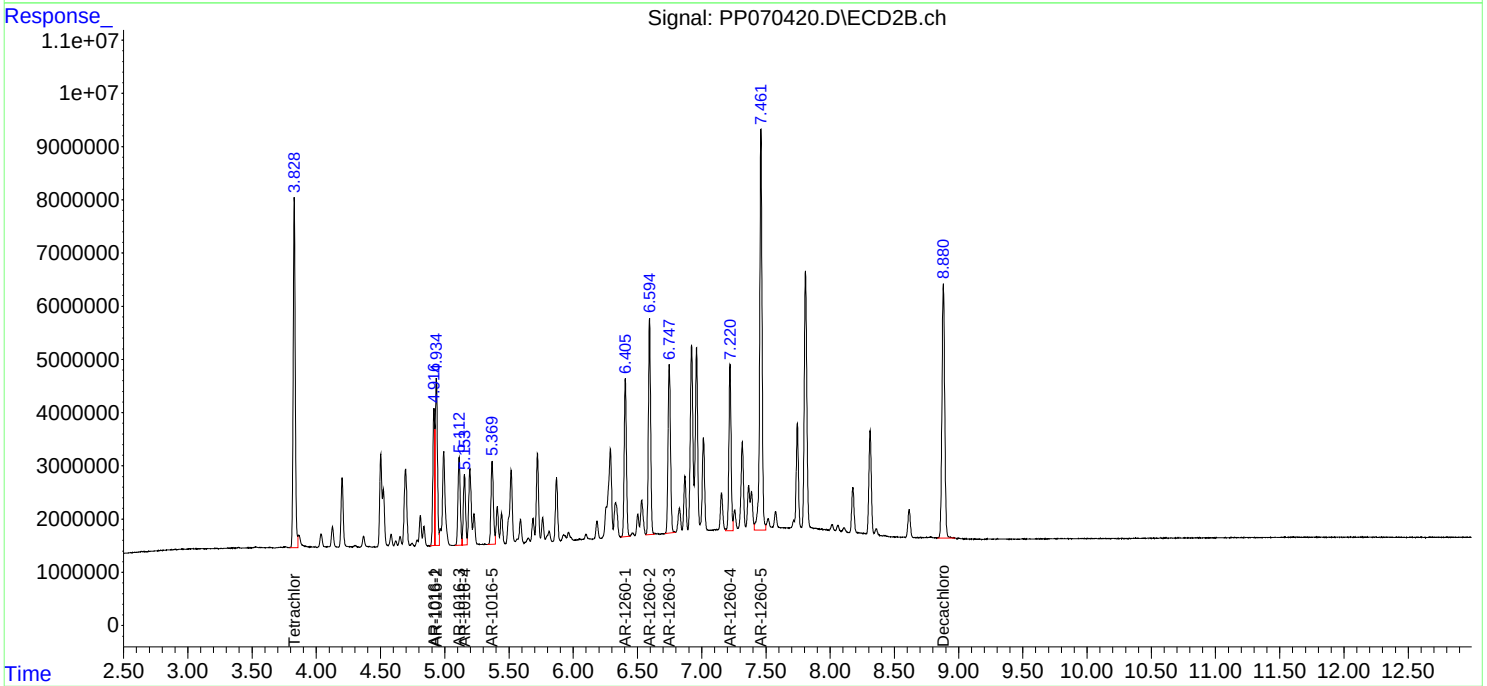
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:29
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

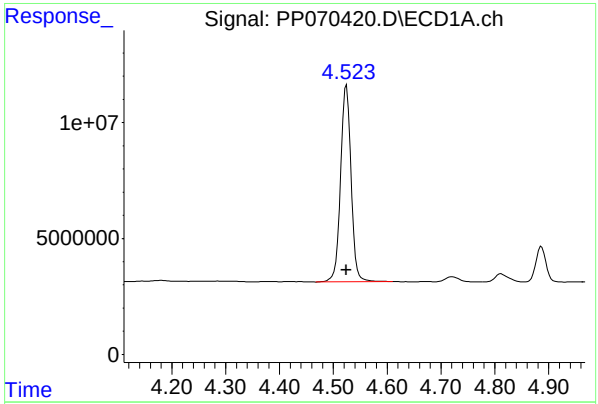
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

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

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



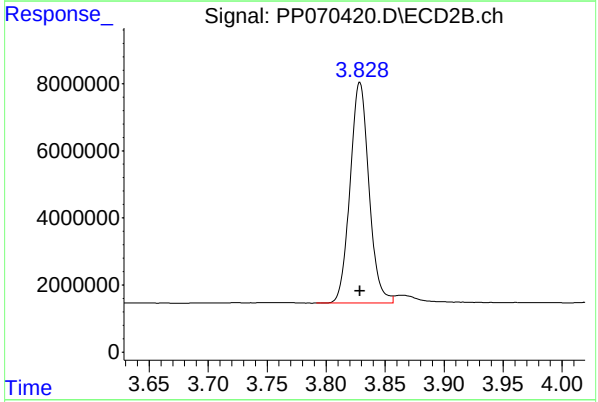




#1 Tetrachloro-m-xylene

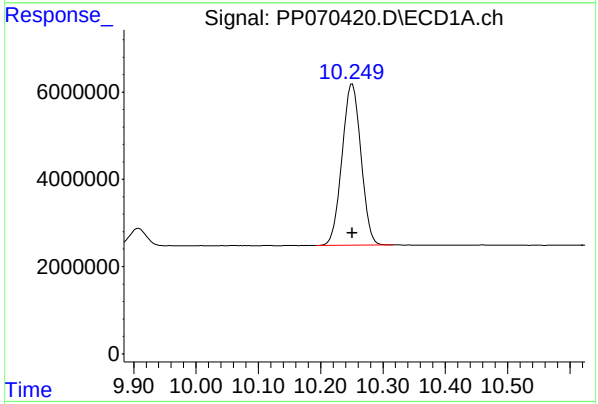
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 114697503
Conc: 75.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



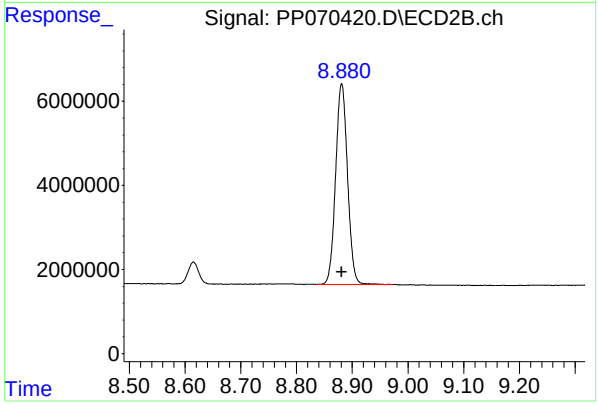
#1 Tetrachloro-m-xylene

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



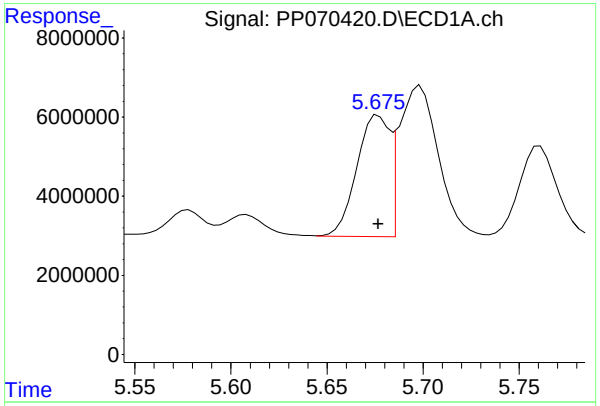
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

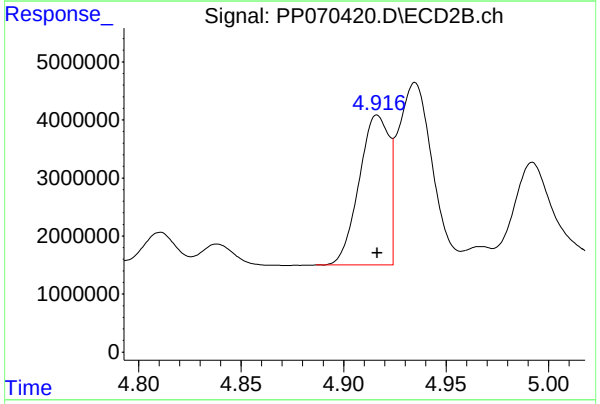
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 70837588
Conc: 73.89 ng/ml



#3 AR-1016-1

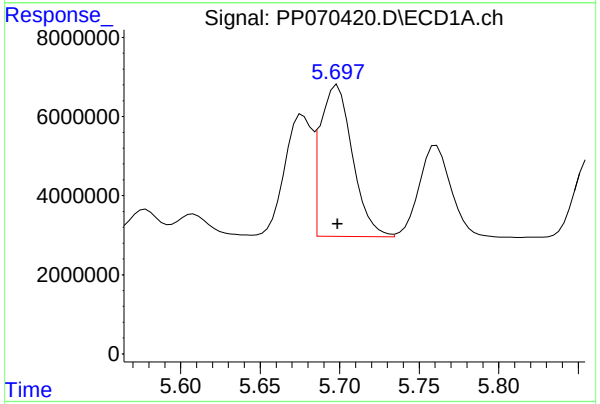
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 36468416
Conc: 748.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



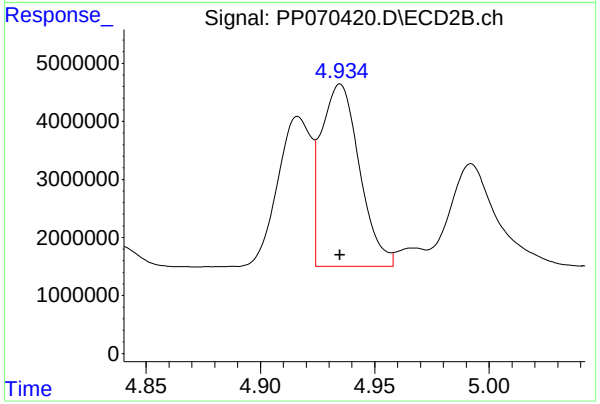
#3 AR-1016-1

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



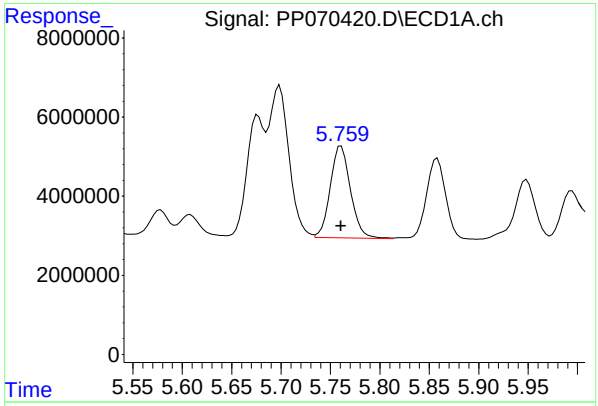
#4 AR-1016-2

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



#4 AR-1016-2

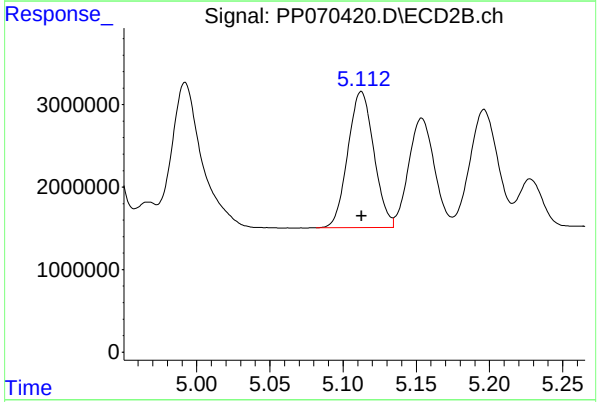
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 36649558
Conc: 760.73 ng/ml



#5 AR-1016-3

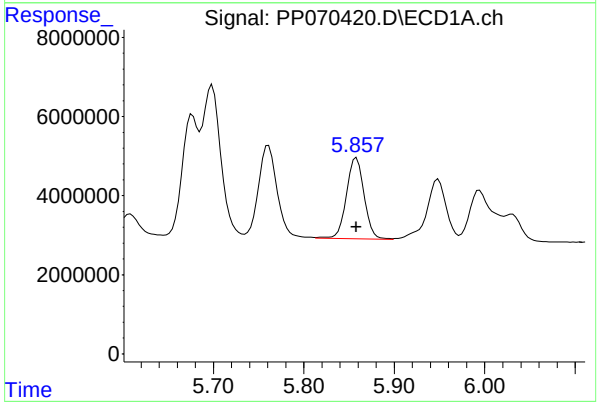
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 32877053
Conc: 746.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



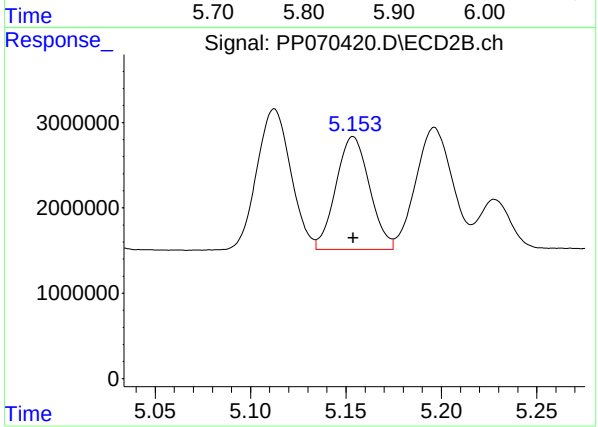
#5 AR-1016-3

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



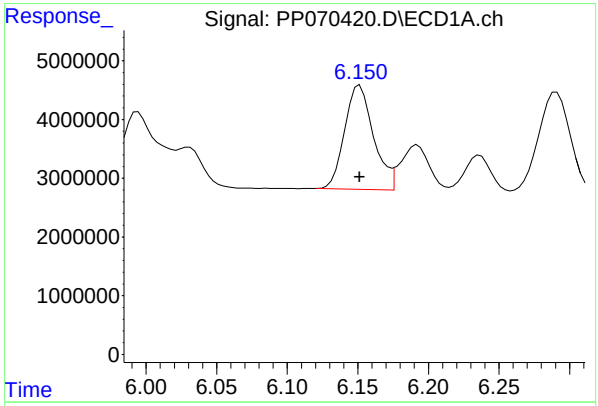
#6 AR-1016-4

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



#6 AR-1016-4

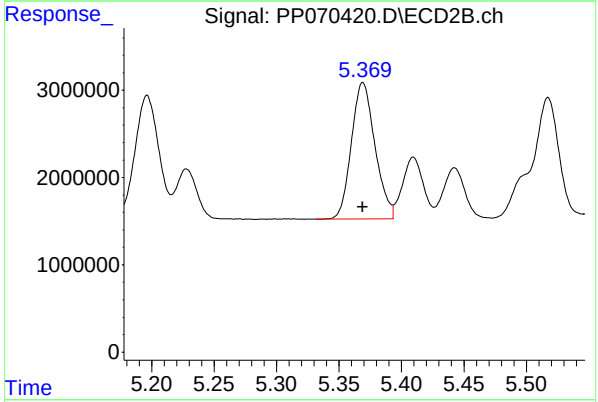
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 16253201
Conc: 757.79 ng/ml



#7 AR-1016-5

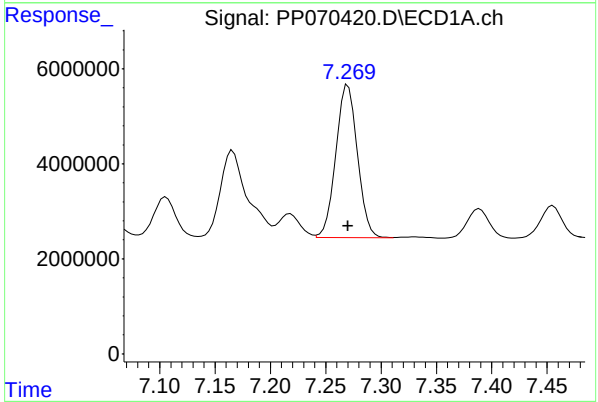
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 25290442
Conc: 745.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



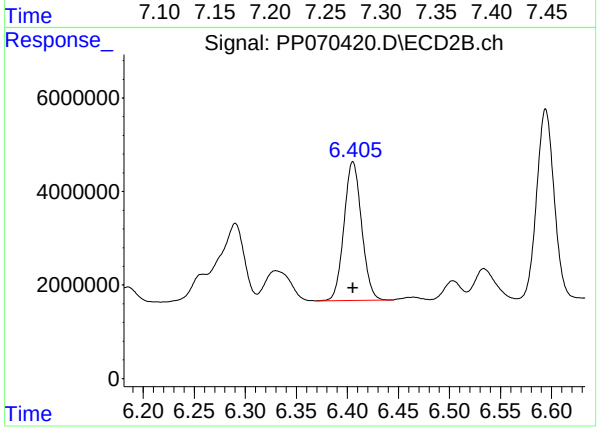
#7 AR-1016-5

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



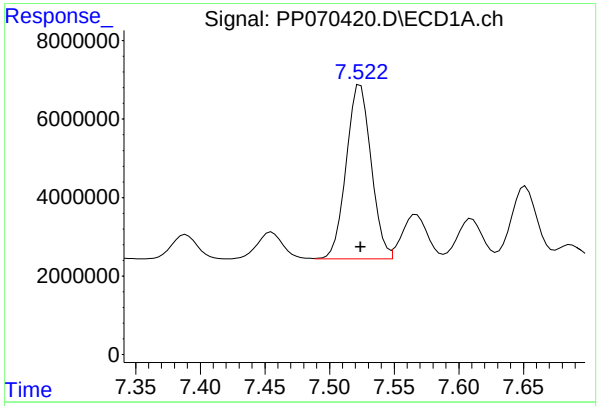
#31 AR-1260-1

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



#31 AR-1260-1

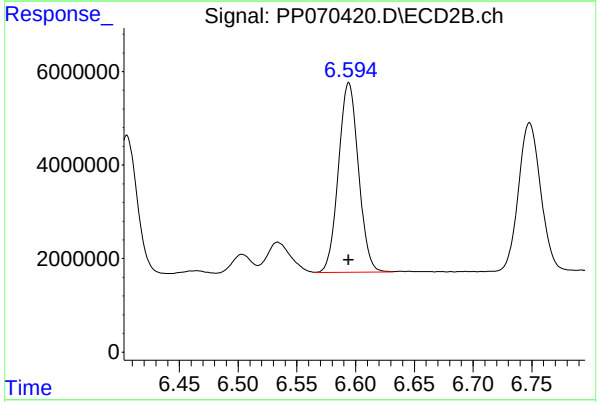
R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 35731210
Conc: 749.76 ng/ml



#32 AR-1260-2

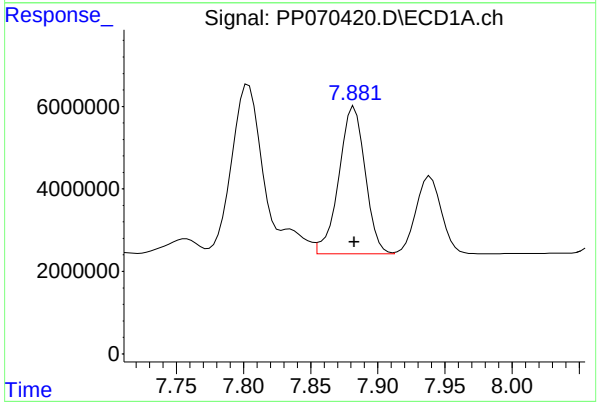
R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 59458057
Conc: 750.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



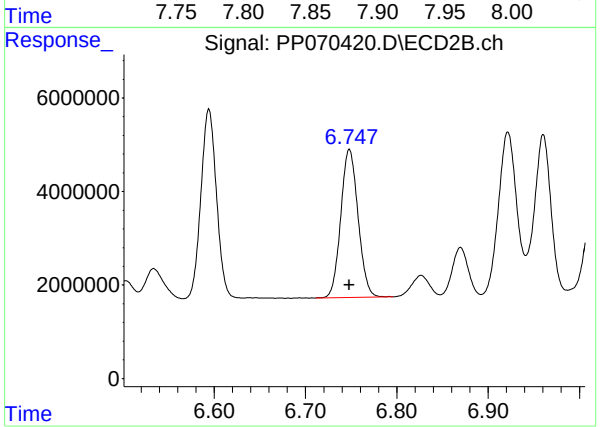
#32 AR-1260-2

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



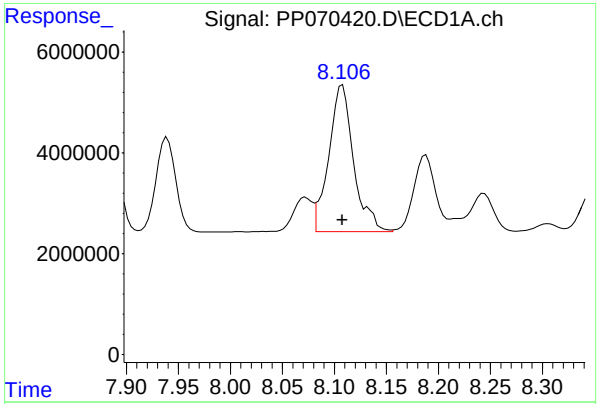
#33 AR-1260-3

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



#33 AR-1260-3

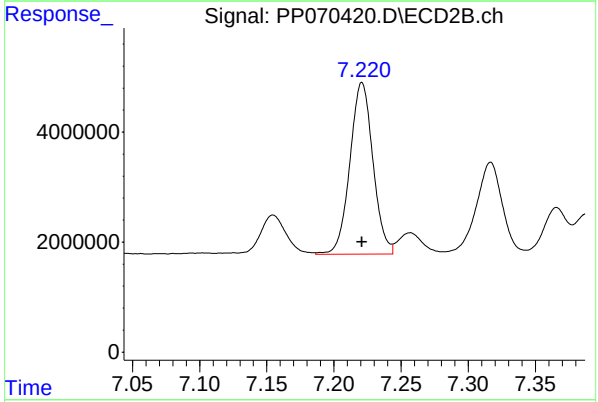
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 41574236
Conc: 753.59 ng/ml



#34 AR-1260-4

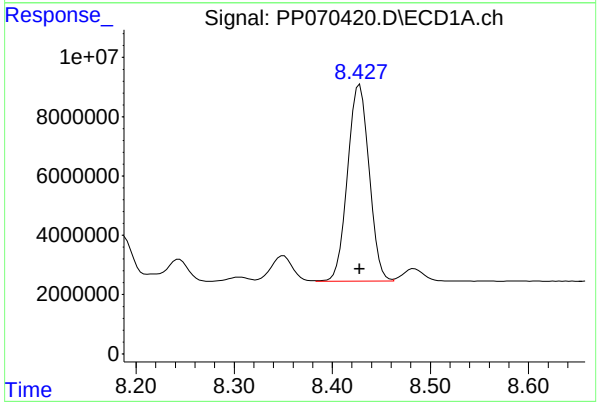
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 48512746
Conc: 758.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



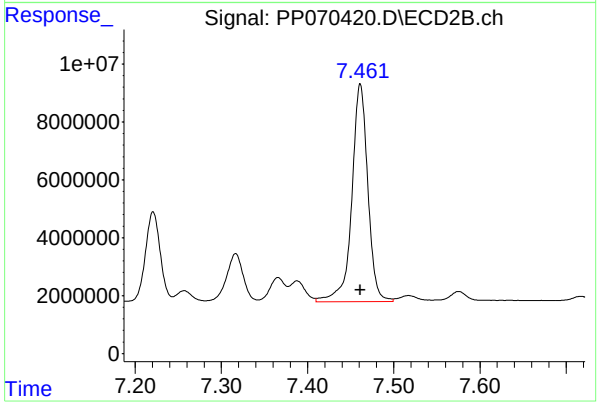
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.524	3.829	78771396	50975899	50.000	50.000
2) SA	Decachlor...	10.252	8.881	54219318	49800469	50.000	50.000
	Target Compounds						
3) L1	AR-1016-1	5.677	4.917	25597740	18058147	500.000	500.000
4) L1	AR-1016-2	5.699	4.936	37546344	25500879	500.000	500.000
5) L1	AR-1016-3	5.761	5.113	23173097	14351628	500.000	500.000
6) L1	AR-1016-4	5.858	5.154	19789523	11451480	500.000	500.000
7) L1	AR-1016-5	6.151	5.370	17751672	14634165	500.000	500.000
31) L7	AR-1260-1	7.271	6.407	30330174	25030839	500.000	500.000
32) L7	AR-1260-2	7.525	6.595	41491985	33308182	500.000	500.000
33) L7	AR-1260-3	7.883	6.749	34005135	28911574	500.000	500.000
34) L7	AR-1260-4	8.108	7.221	33076474	26980991	500.000	500.000
35) L7	AR-1260-5	8.428	7.462	70209616	67902453	500.000	500.000

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

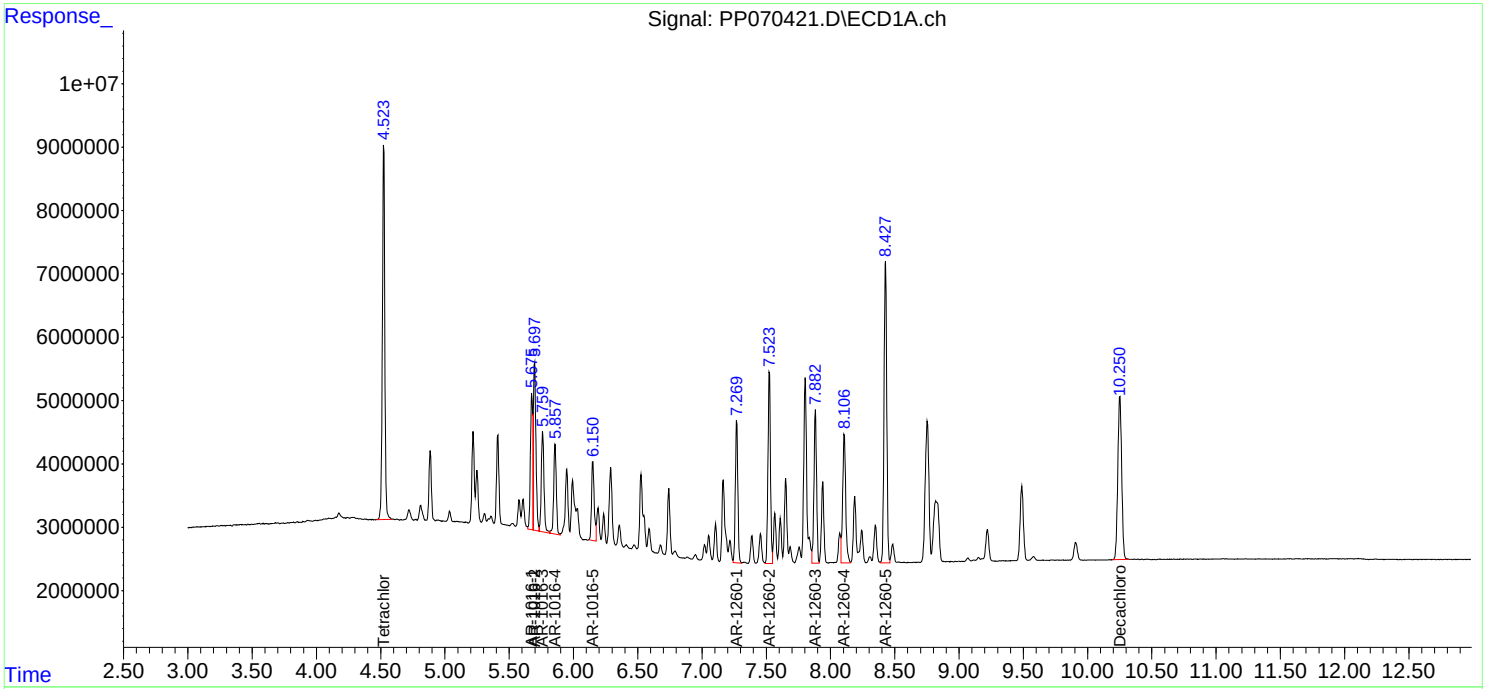
ICAL Form

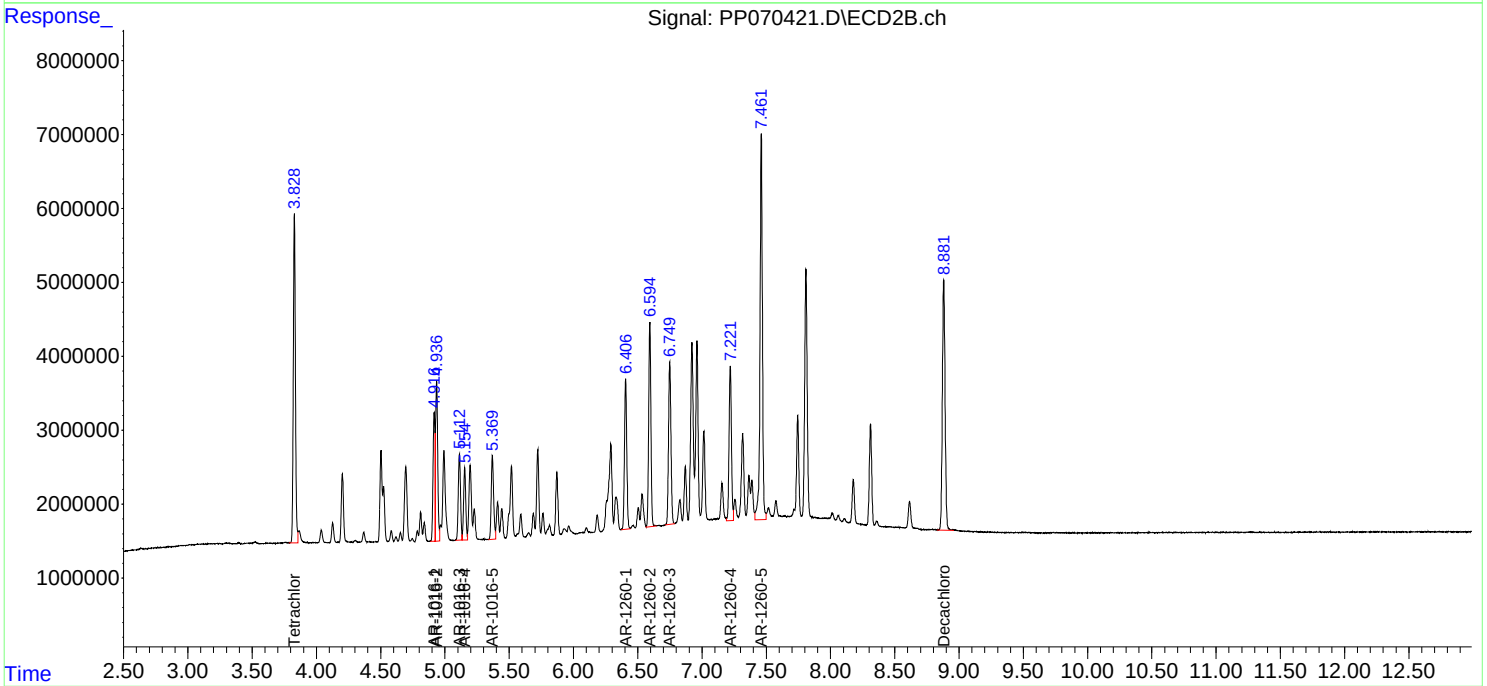
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:46
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

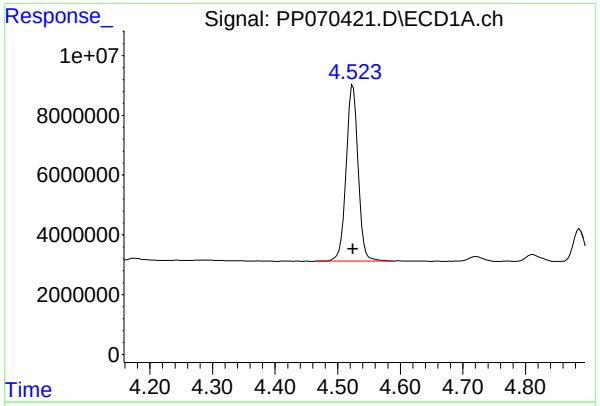
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

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

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



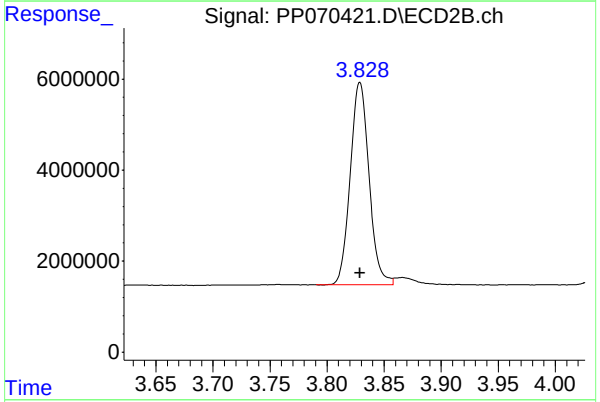




#1 Tetrachloro-m-xylene

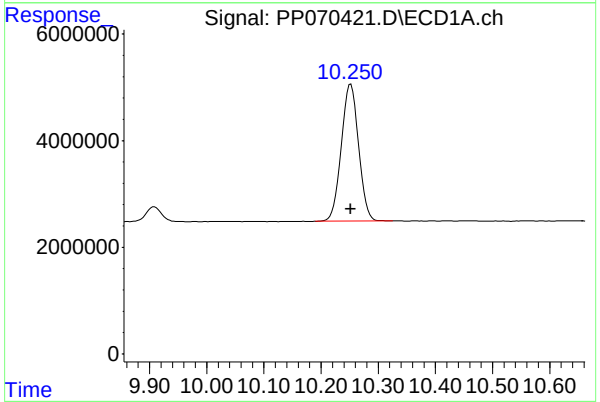
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 78771396
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



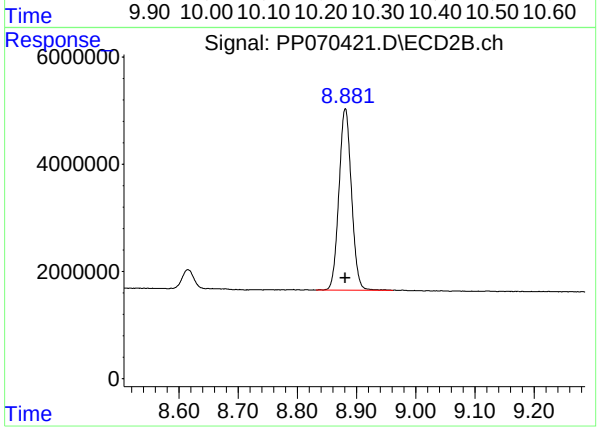
#1 Tetrachloro-m-xylene

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



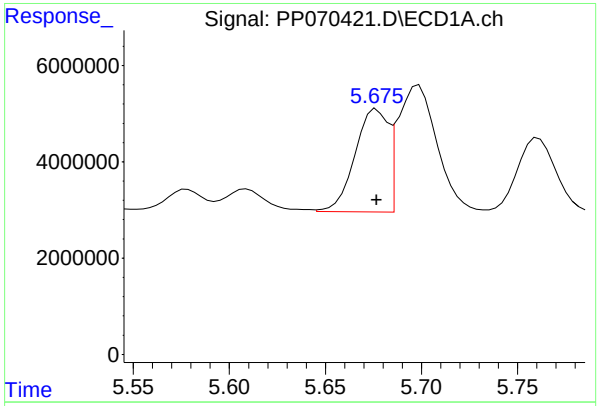
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

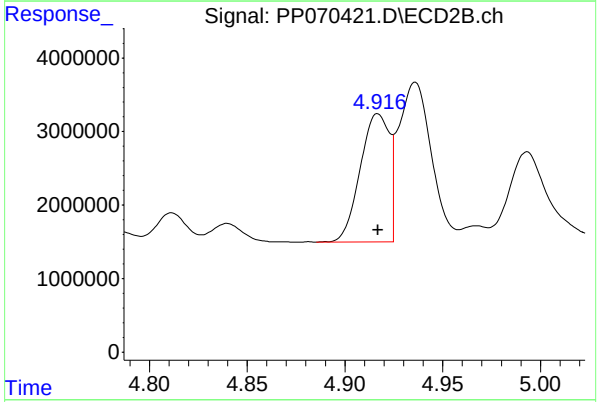
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 49800469
Conc: 50.00 ng/ml



#3 AR-1016-1

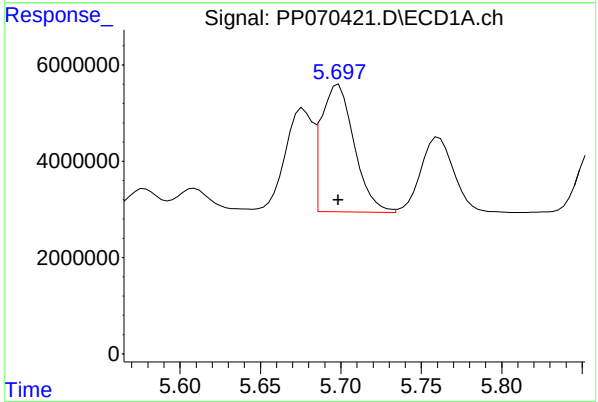
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 25597740
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



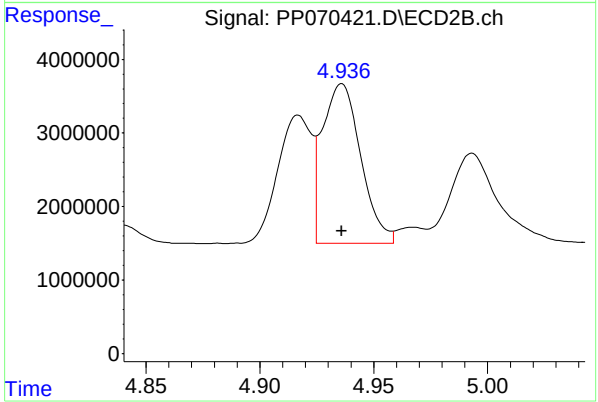
#3 AR-1016-1

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



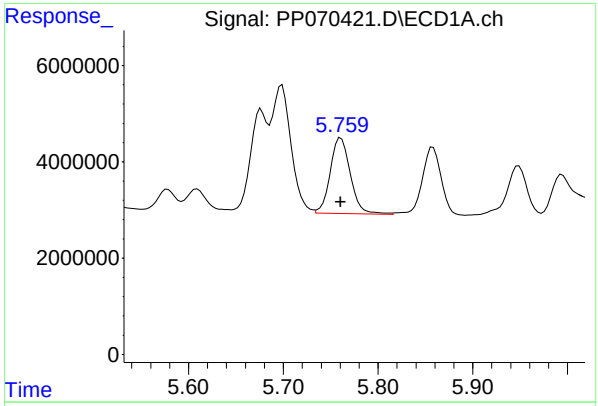
#4 AR-1016-2

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



#4 AR-1016-2

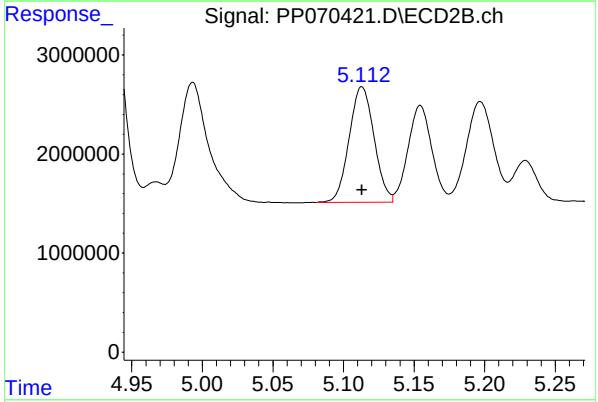
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 25500879
Conc: 500.00 ng/ml



#5 AR-1016-3

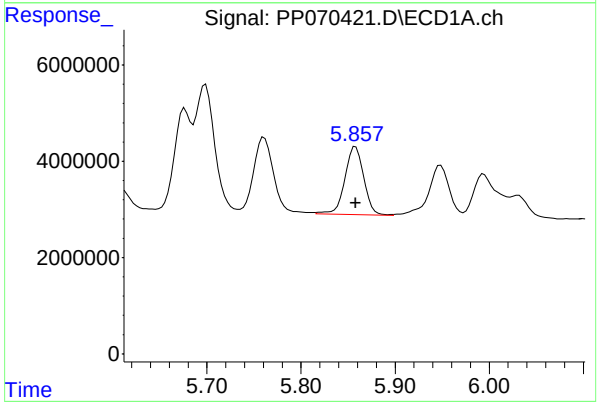
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 23173097
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



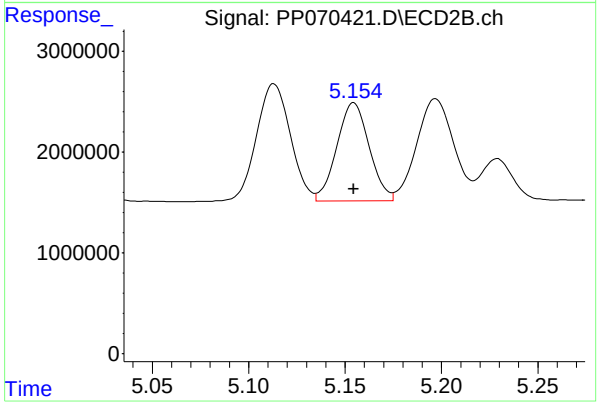
#5 AR-1016-3

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



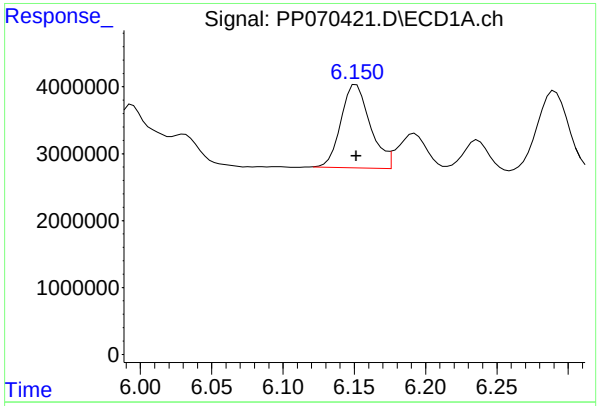
#6 AR-1016-4

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



#6 AR-1016-4

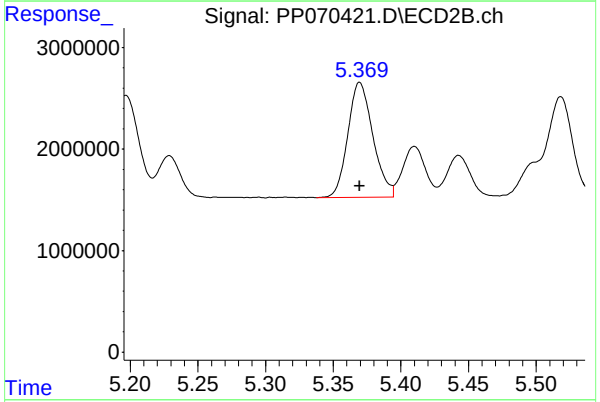
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 11451480
Conc: 500.00 ng/ml



#7 AR-1016-5

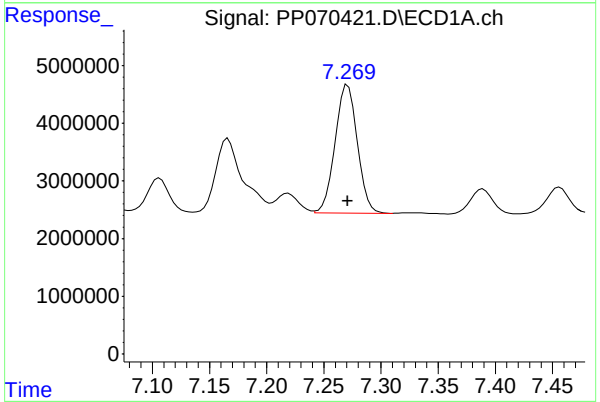
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 17751672
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



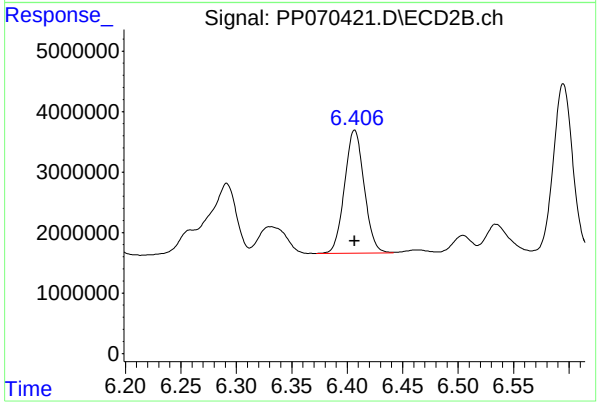
#7 AR-1016-5

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



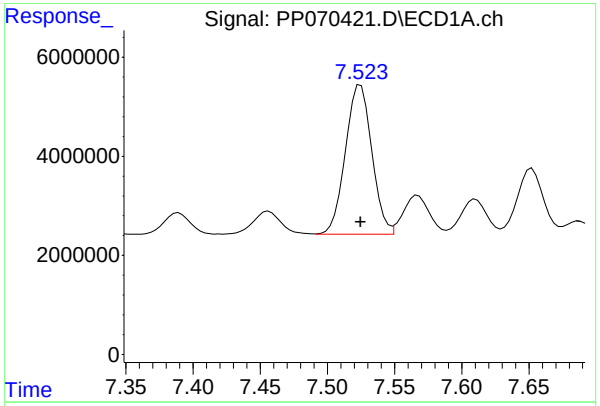
#31 AR-1260-1

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



#31 AR-1260-1

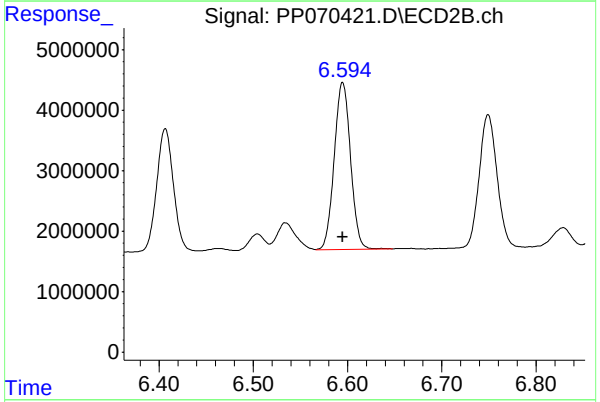
R.T.: 6.407 min
Delta R.T.: 0.000 min
Response: 25030839
Conc: 500.00 ng/ml



#32 AR-1260-2

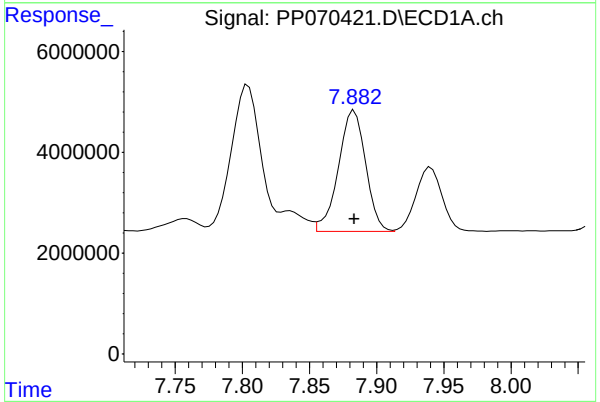
R.T.: 7.525 min
Delta R.T.: 0.000 min
Response: 41491985
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



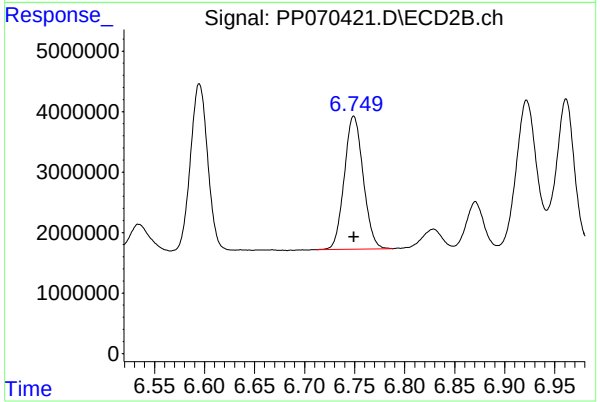
#32 AR-1260-2

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



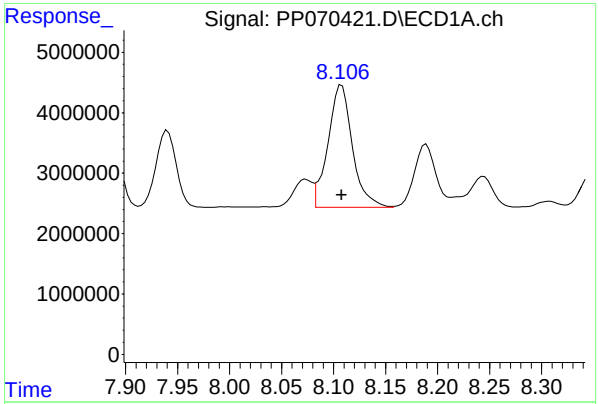
#33 AR-1260-3

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



#33 AR-1260-3

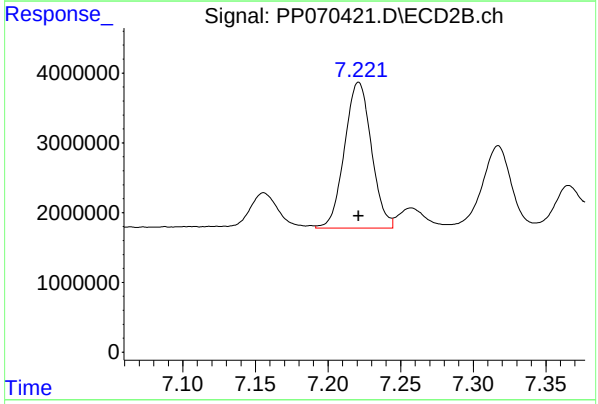
R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 28911574
Conc: 500.00 ng/ml



#34 AR-1260-4

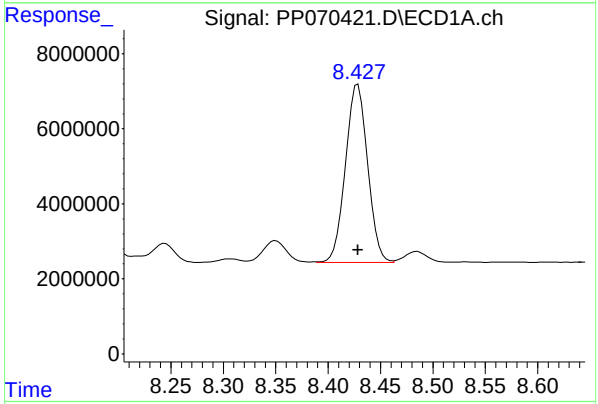
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 33076474
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



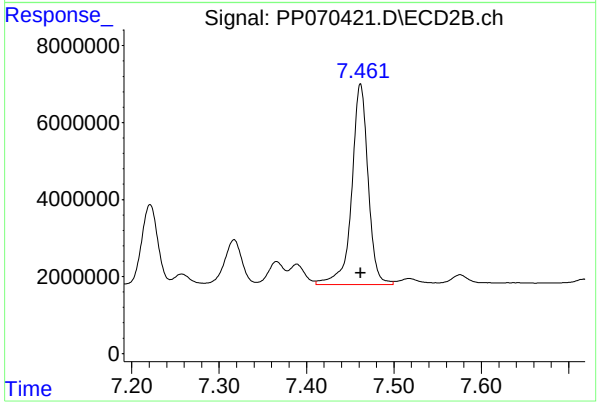
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.526	3.828	41531966	26313383	26.670	26.644
2) SA	Decachlor...	10.255	8.880	28350211	25677480	26.570	26.327m
	Target Compounds						
3) L1	AR-1016-1	5.678	4.916	14080037	9864390	278.227	277.469
4) L1	AR-1016-2	5.700	4.935	19868297	13900874	268.896	277.831
5) L1	AR-1016-3	5.762	5.112	12407402	7670971	273.151	275.227
6) L1	AR-1016-4	5.859	5.154	10571757	6097437	275.169	274.862
7) L1	AR-1016-5	6.153	5.369	9142764	8102490	264.374	282.508
31) L7	AR-1260-1	7.272	6.406	15812734	13410773	266.607	272.835
32) L7	AR-1260-2	7.526	6.594	21836797	17516742	268.685	268.035
33) L7	AR-1260-3	7.885	6.749	17670532	15252750	265.362	269.346
34) L7	AR-1260-4	8.110	7.220	17375887	13889843	265.960	269.143
35) L7	AR-1260-5	8.430	7.461	36632226	34190463	265.158	259.725

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

ICAL Form

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

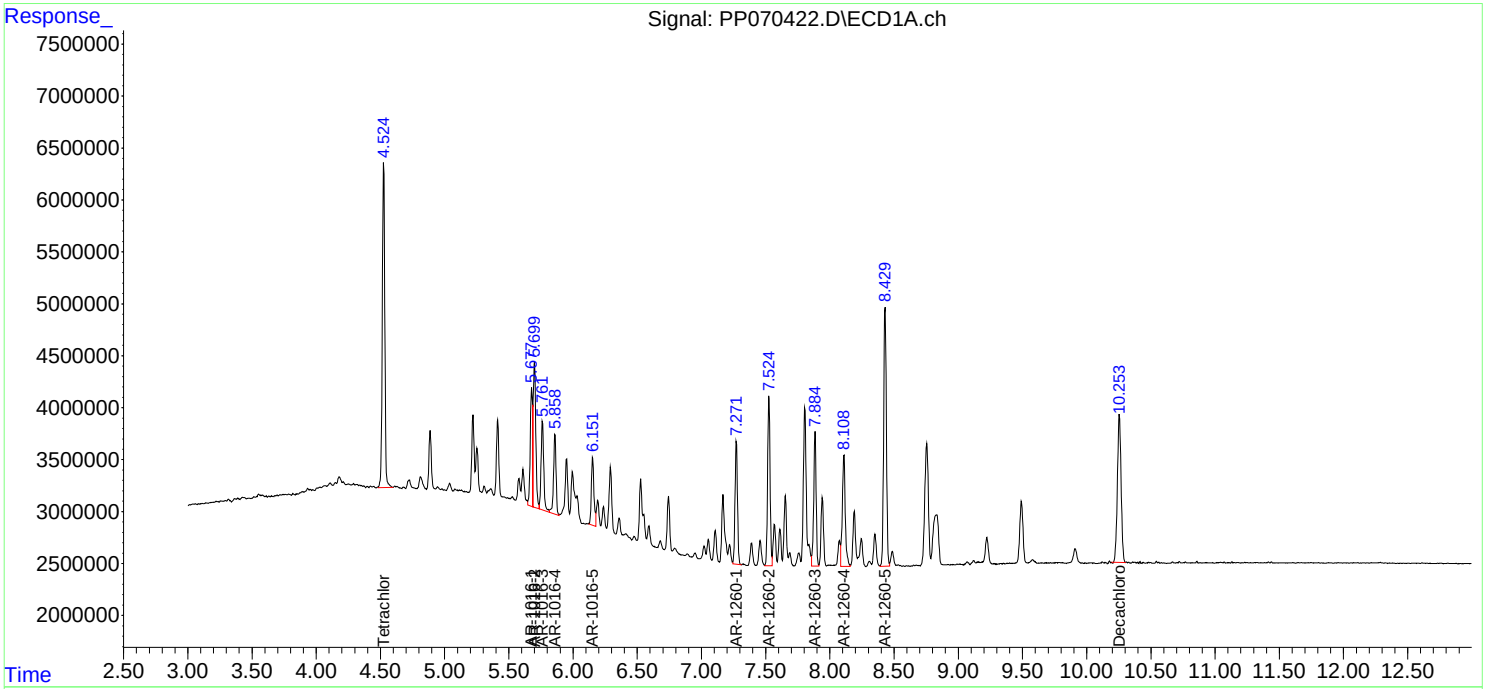
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

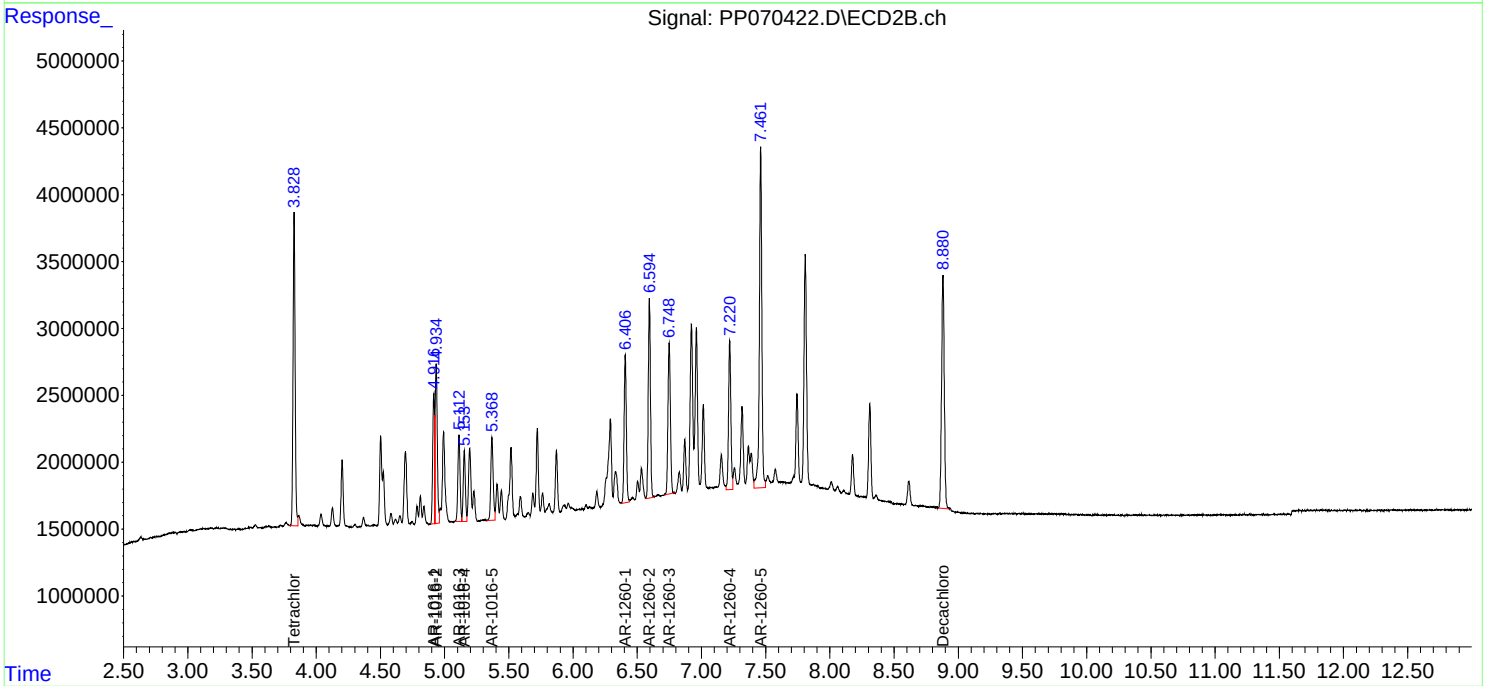
Manual Integrations APPROVED

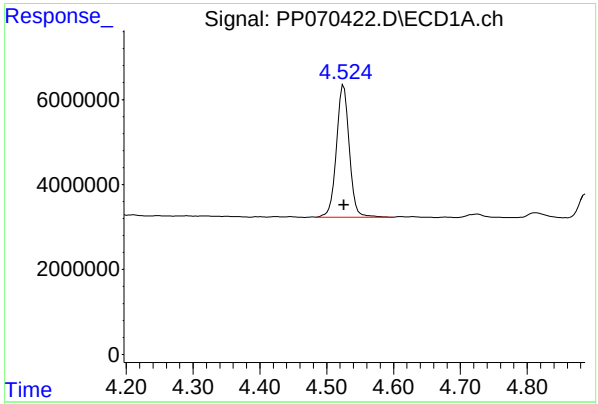
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

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

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







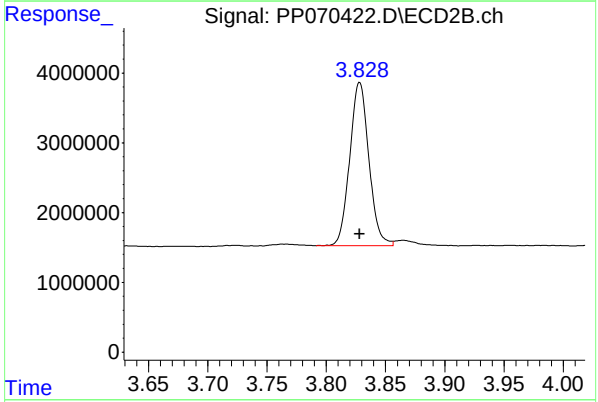
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

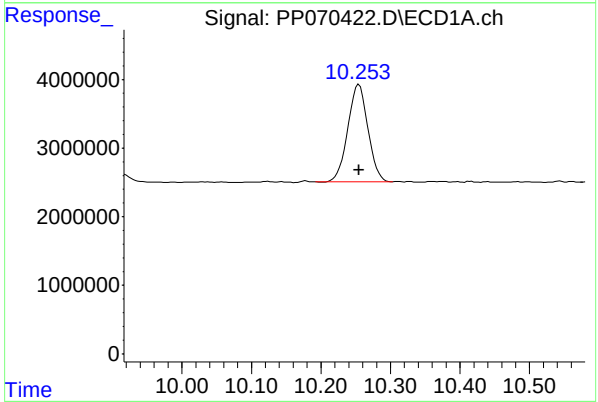
Manual Integrations APPROVED

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



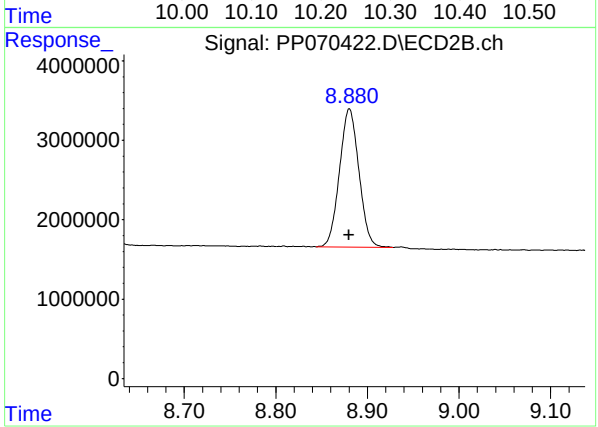
#1 Tetrachloro-m-xylene

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



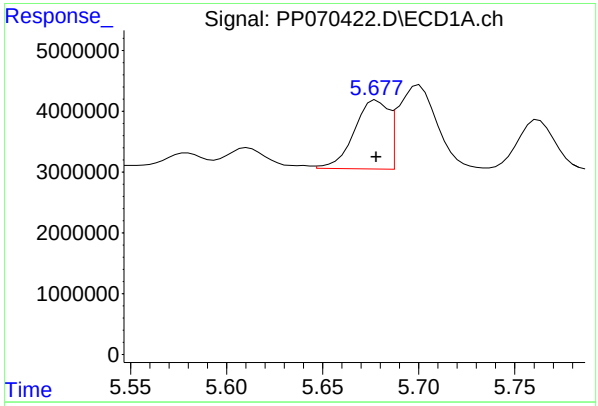
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



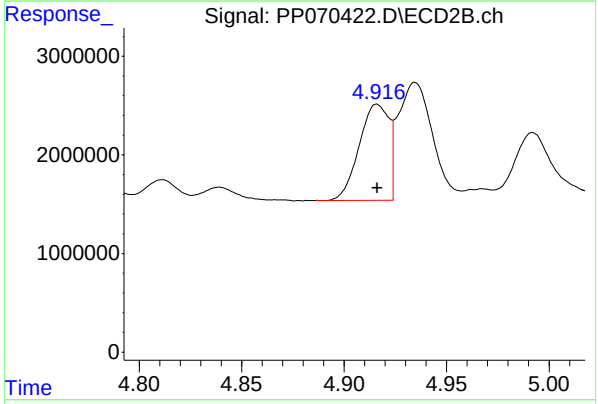
#3 AR-1016-1

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

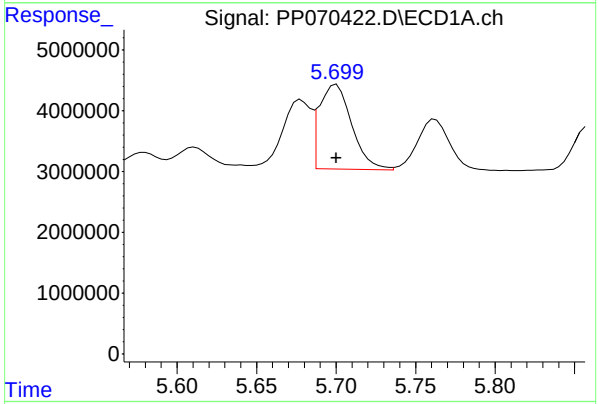
Manual Integrations APPROVED

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



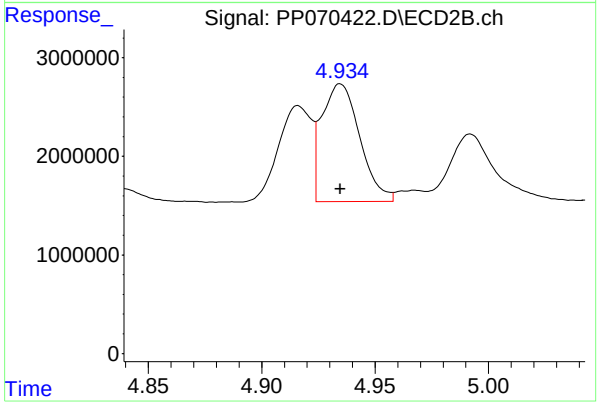
#3 AR-1016-1

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



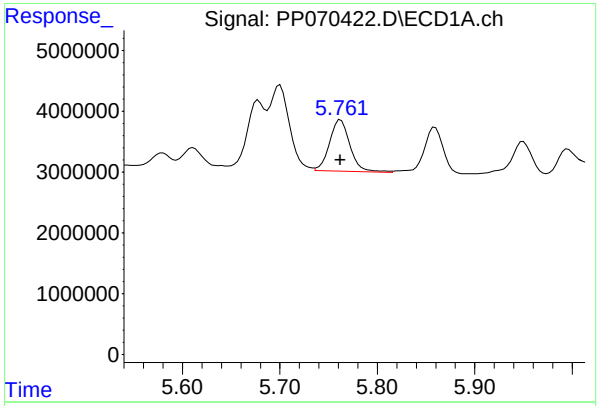
#4 AR-1016-2

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



#4 AR-1016-2

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



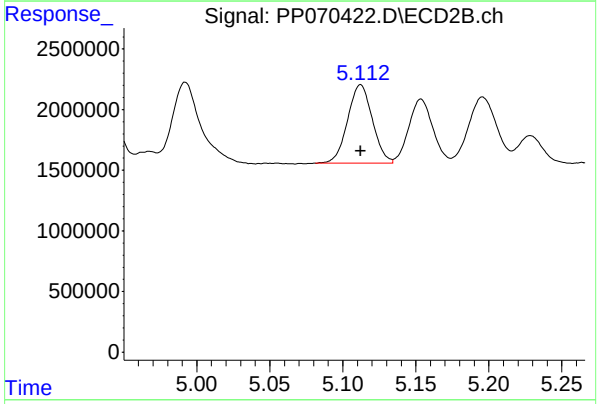
#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

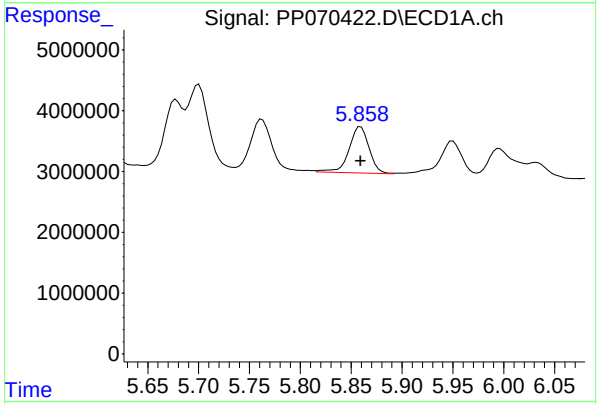
Manual Integrations APPROVED

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



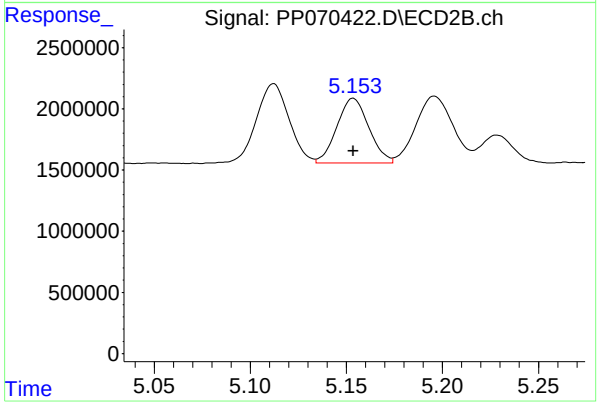
#5 AR-1016-3

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



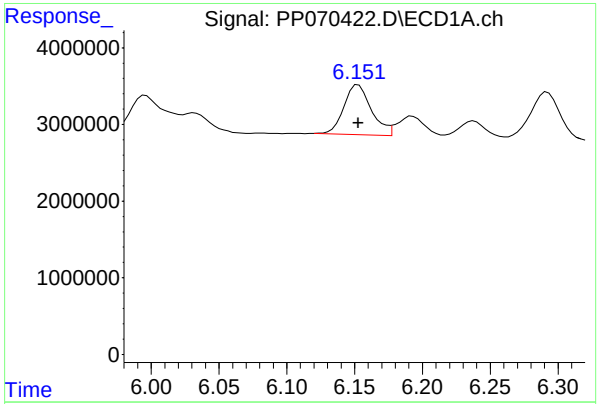
#6 AR-1016-4

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



#6 AR-1016-4

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



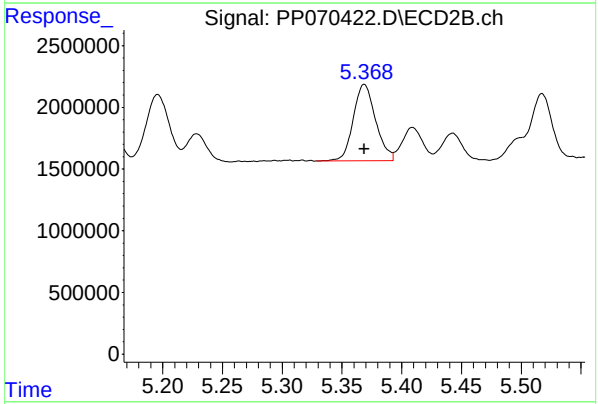
#7 AR-1016-5

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

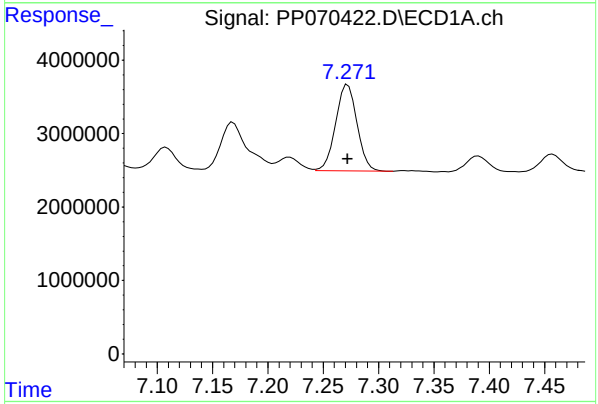
Manual Integrations APPROVED

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



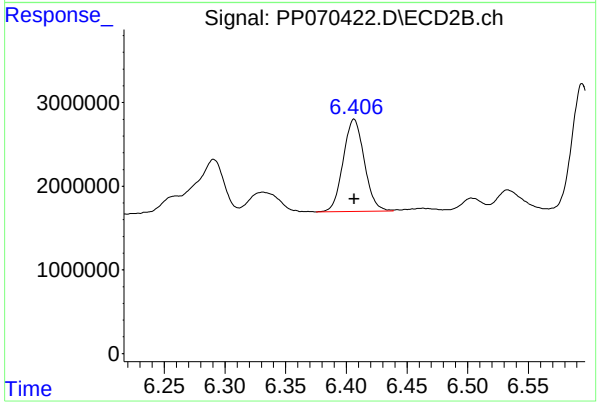
#7 AR-1016-5

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



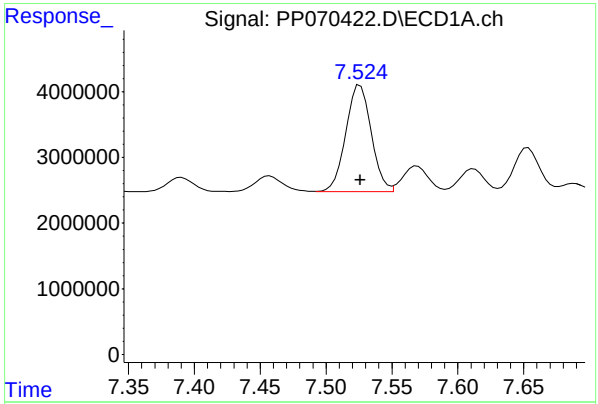
#31 AR-1260-1

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



#31 AR-1260-1

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



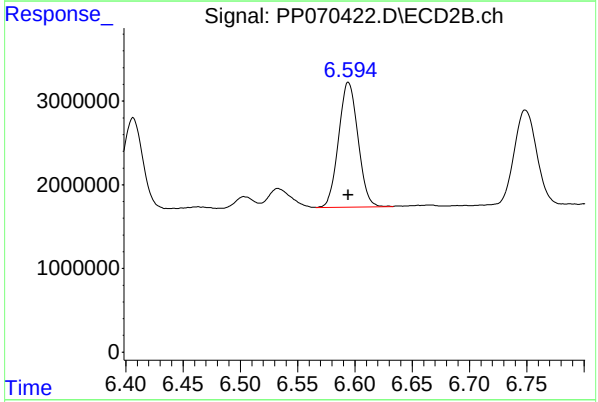
#32 AR-1260-2

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

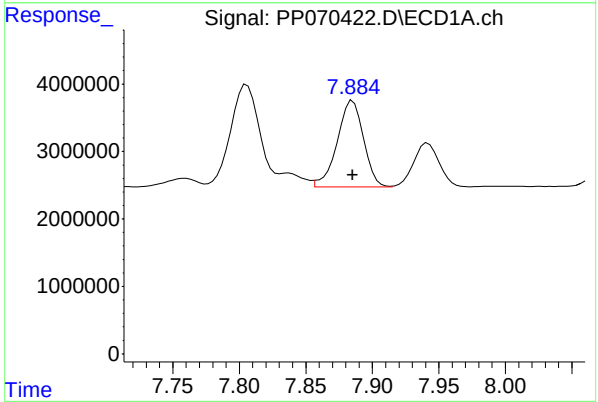
Manual Integrations APPROVED

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



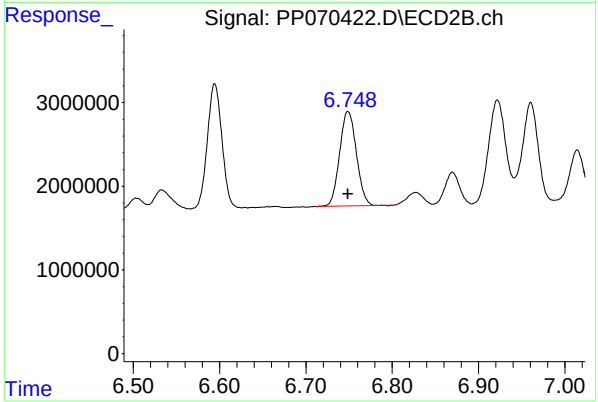
#32 AR-1260-2

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



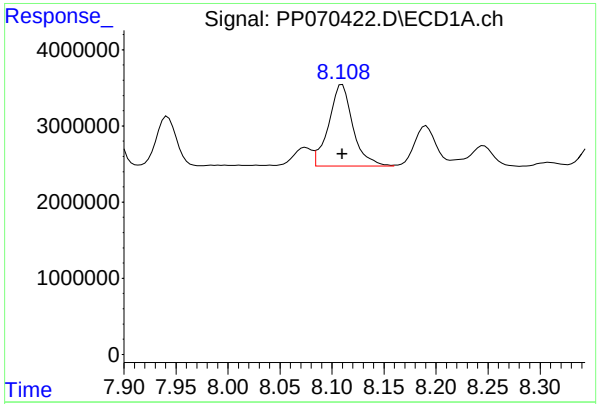
#33 AR-1260-3

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



#33 AR-1260-3

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



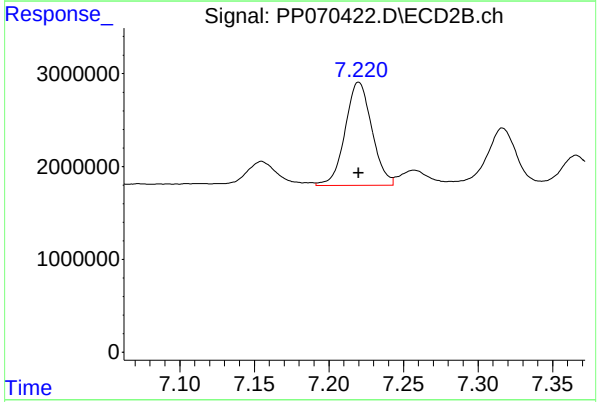
#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

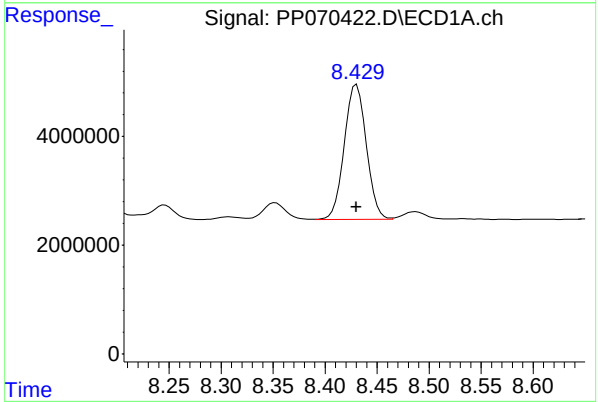
Manual Integrations APPROVED

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



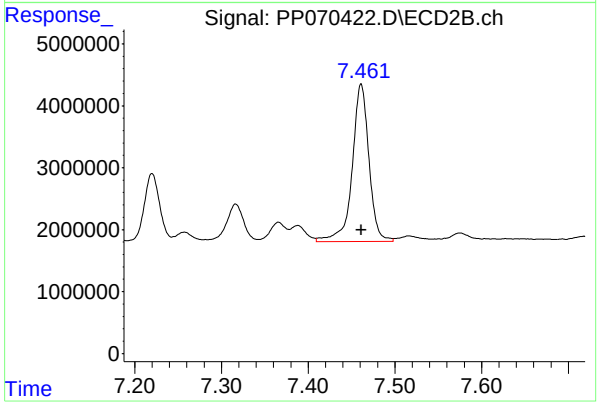
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.526	3.828	7739681	5305139	4.976	5.293
2) SA	Decachlor...	10.252	8.882	5218274	4943985	4.912	5.053
	Target Compounds						
3) L1	AR-1016-1	5.676	4.917	2841545	1877865	53.987m	52.232
4) L1	AR-1016-2	5.699	4.936	3108517	2984969	42.895m	57.440 #
5) L1	AR-1016-3	5.762	5.113	2299832	1539056	50.765m	54.090
6) L1	AR-1016-4	5.859	5.154	2075609	1160746	53.599m	51.842
7) L1	AR-1016-5	6.151	5.369	1738965	1693613	50.227	56.988
31) L7	AR-1260-1	7.273	6.407	2822336	2615404	48.049	52.535
32) L7	AR-1260-2	7.527	6.594	4256172	3451390	51.877	52.225
33) L7	AR-1260-3	7.885	6.749	3121384	2973566	47.468	51.988
34) L7	AR-1260-4	8.110	7.221	3269147	2469332	50.031	48.460m
35) L7	AR-1260-5	8.431	7.461	6538931	5868129	47.842	45.416m

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

ICAL Form

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

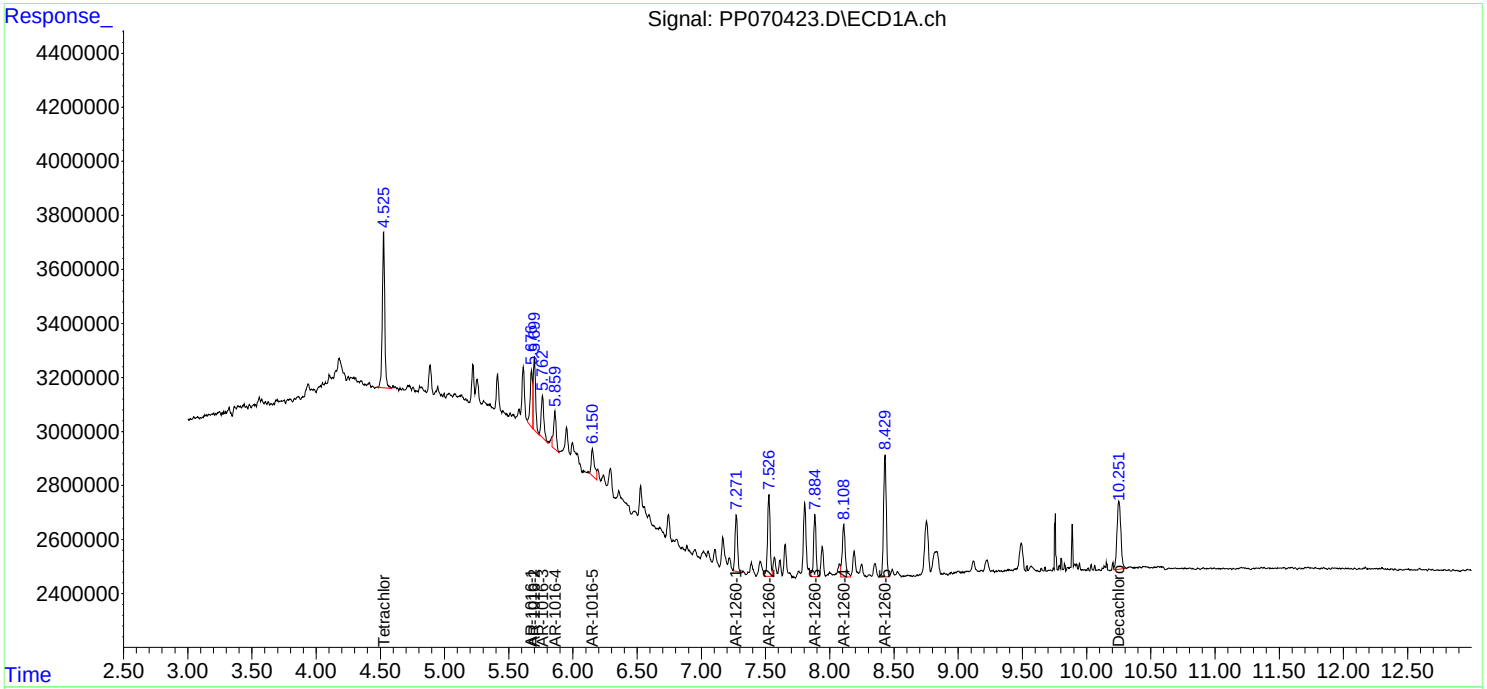
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

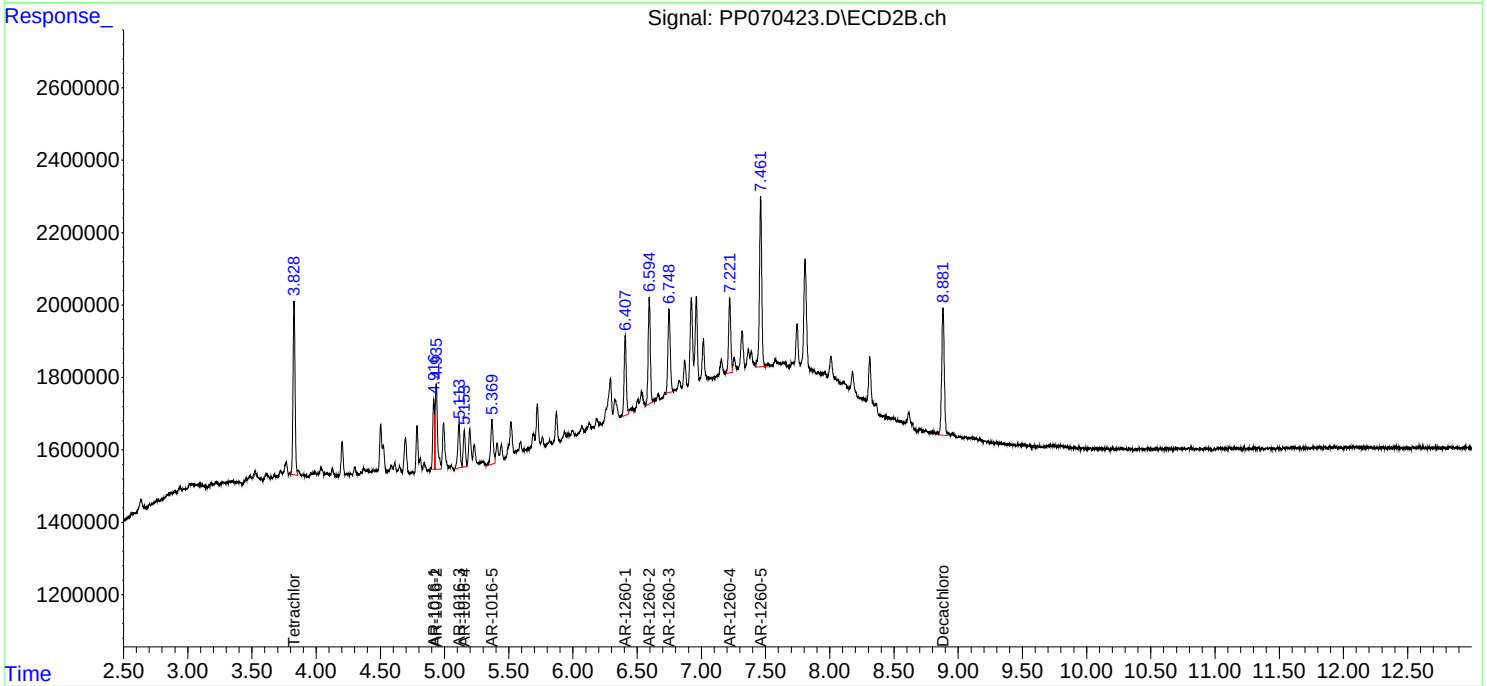
Manual Integrations APPROVED

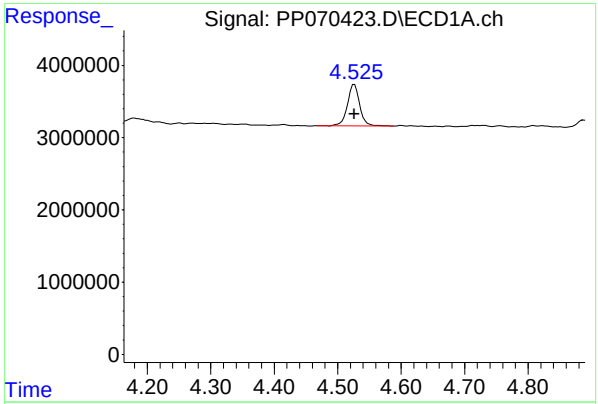
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

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

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







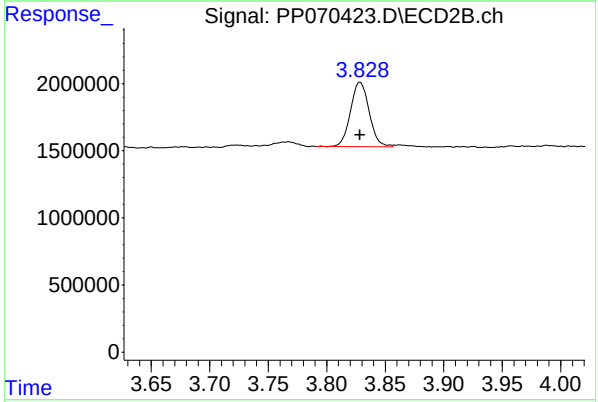
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

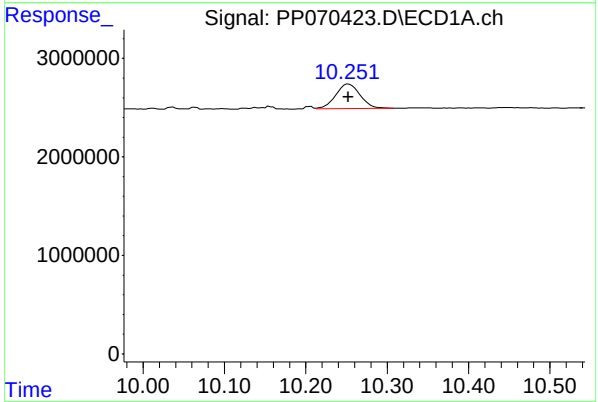
Manual Integrations APPROVED

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



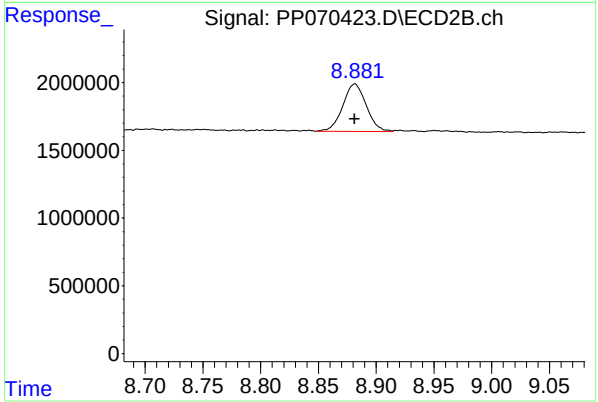
#1 Tetrachloro-m-xylene

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



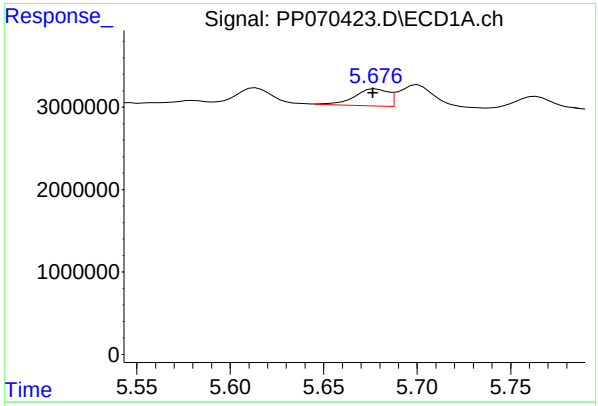
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



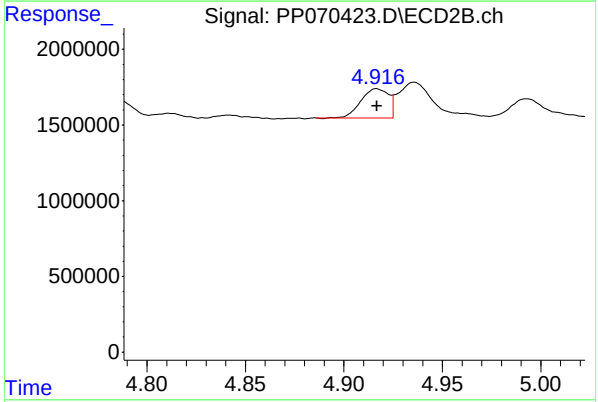
#3 AR-1016-1

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

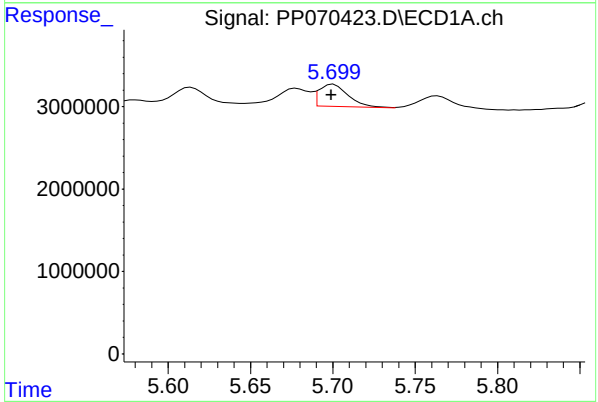
Manual Integrations APPROVED

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



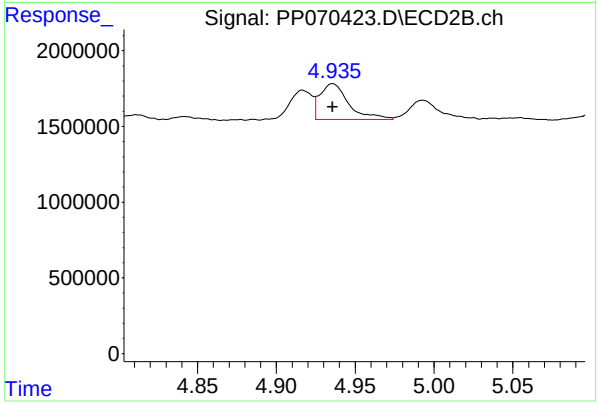
#3 AR-1016-1

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



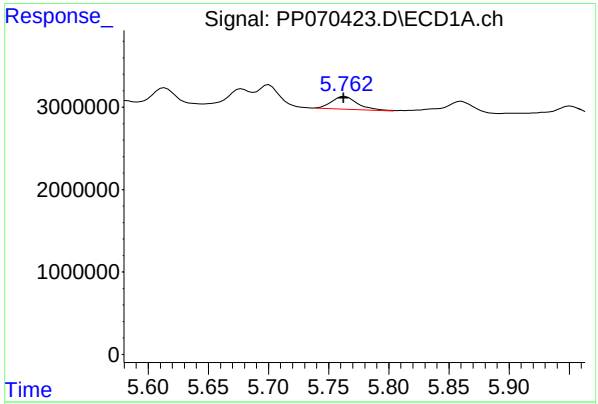
#4 AR-1016-2

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



#4 AR-1016-2

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



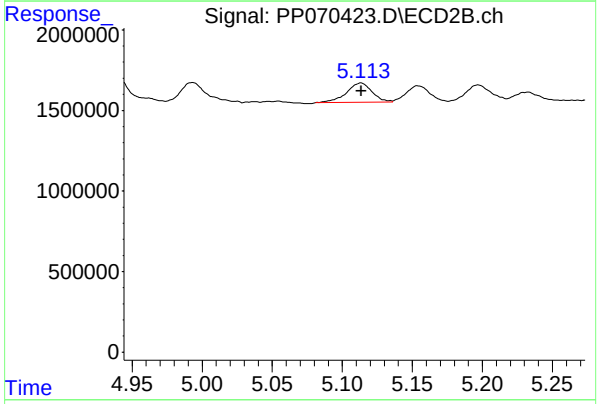
#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

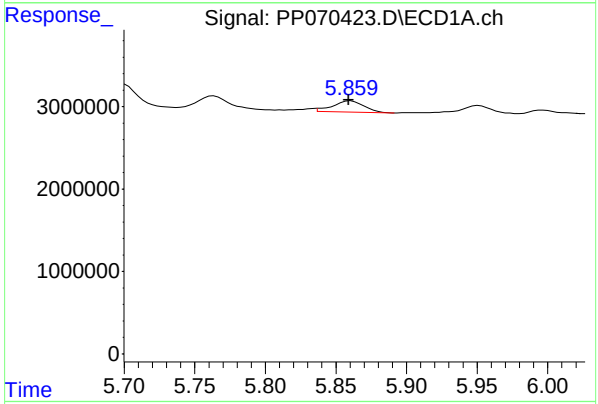
Manual Integrations APPROVED

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



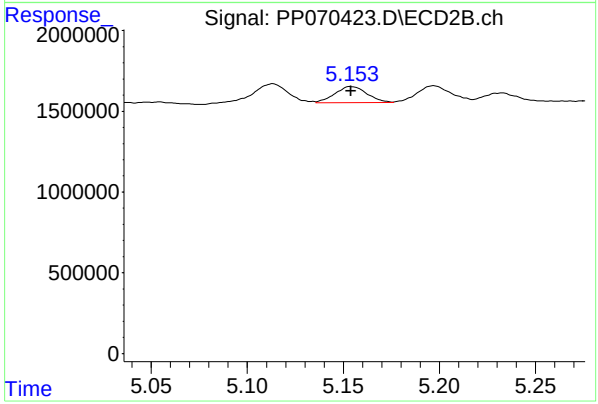
#5 AR-1016-3

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



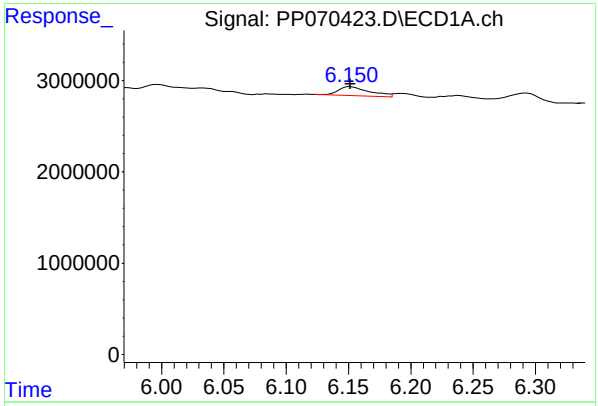
#6 AR-1016-4

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



#6 AR-1016-4

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



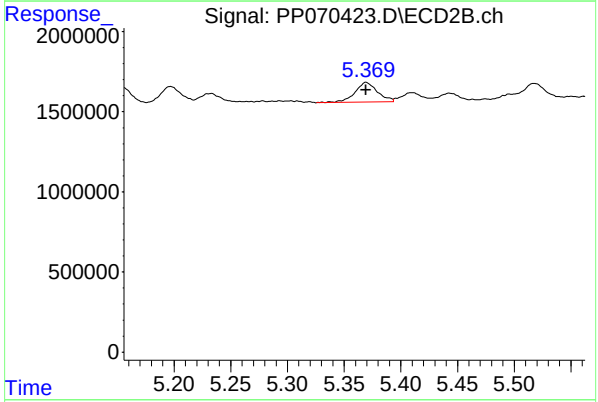
#7 AR-1016-5

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

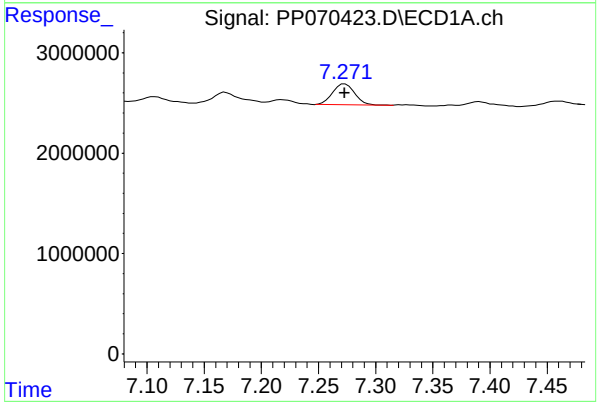
Manual Integrations APPROVED

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



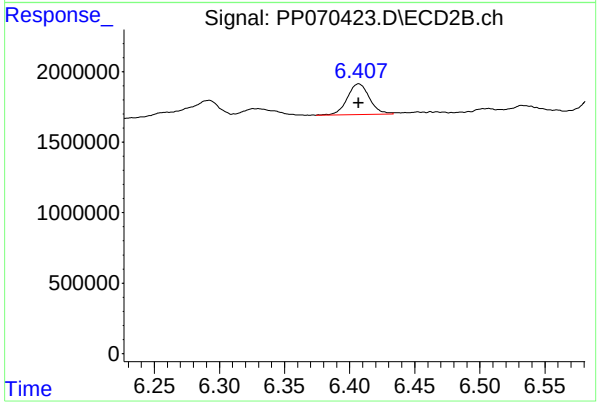
#7 AR-1016-5

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



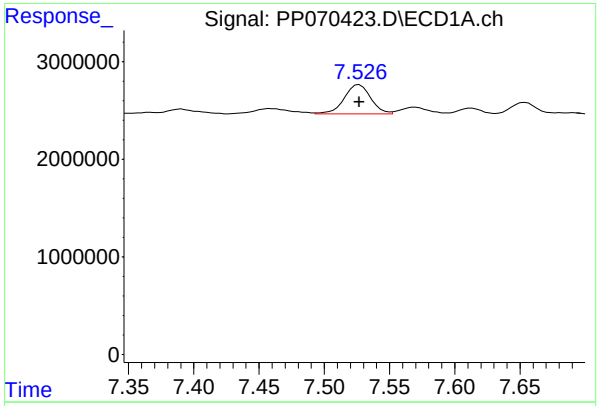
#31 AR-1260-1

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



#31 AR-1260-1

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



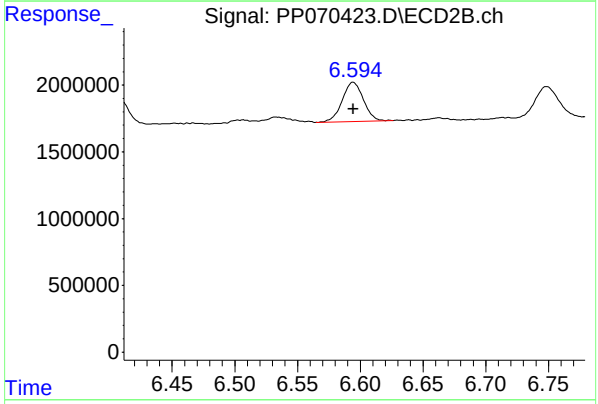
#32 AR-1260-2

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

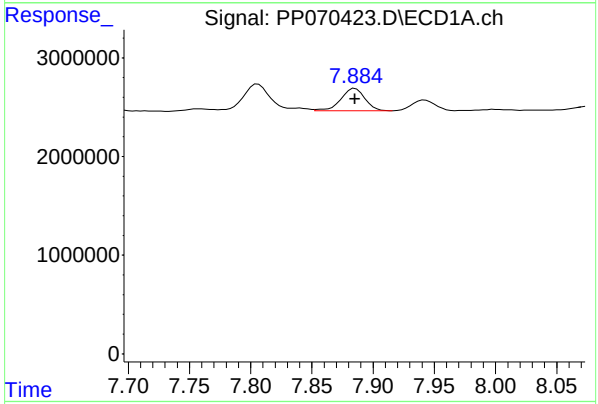
Manual Integrations APPROVED

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



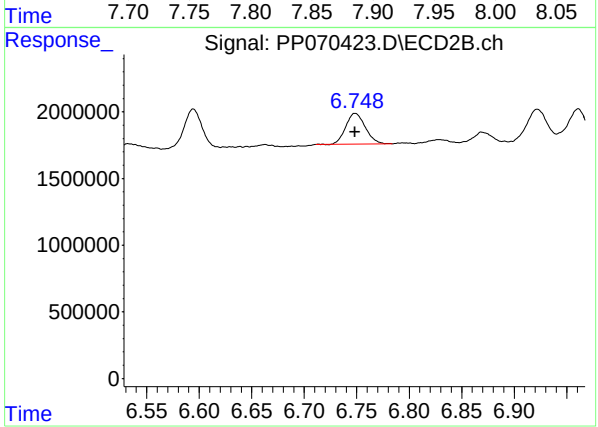
#32 AR-1260-2

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



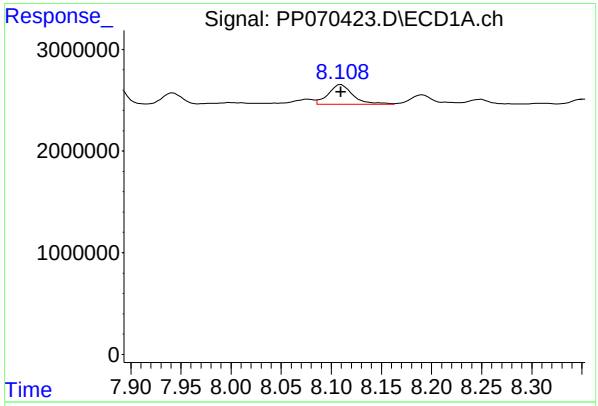
#33 AR-1260-3

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



#33 AR-1260-3

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



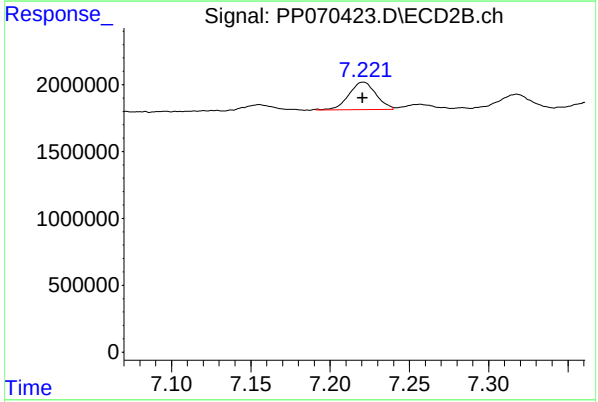
#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

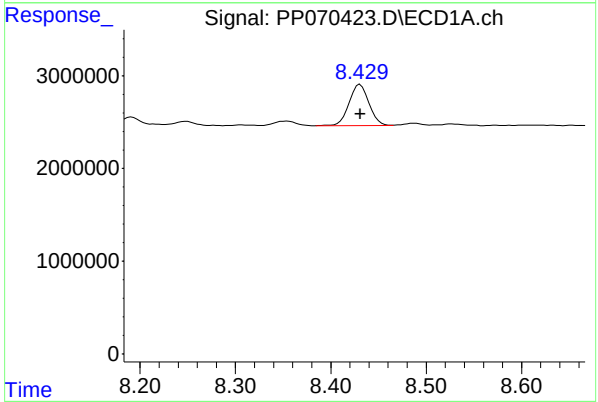
Manual Integrations APPROVED

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



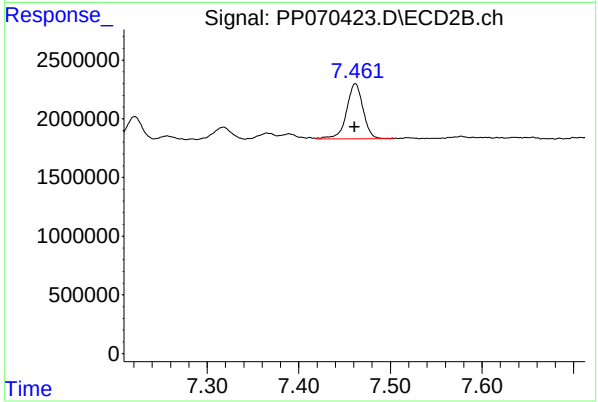
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.829	85559870	52860952	50.000	50.000
2)	SA Decachlor...	10.253	8.882	57800559	48491420	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.728	4.040	9970034	7441268	500.000	500.000
9)	L2 AR-1221-2	4.814	4.127	7304344	5714551	500.000	500.000
10)	L2 AR-1221-3	4.889	4.203	22182343	16710871	500.000	500.000

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

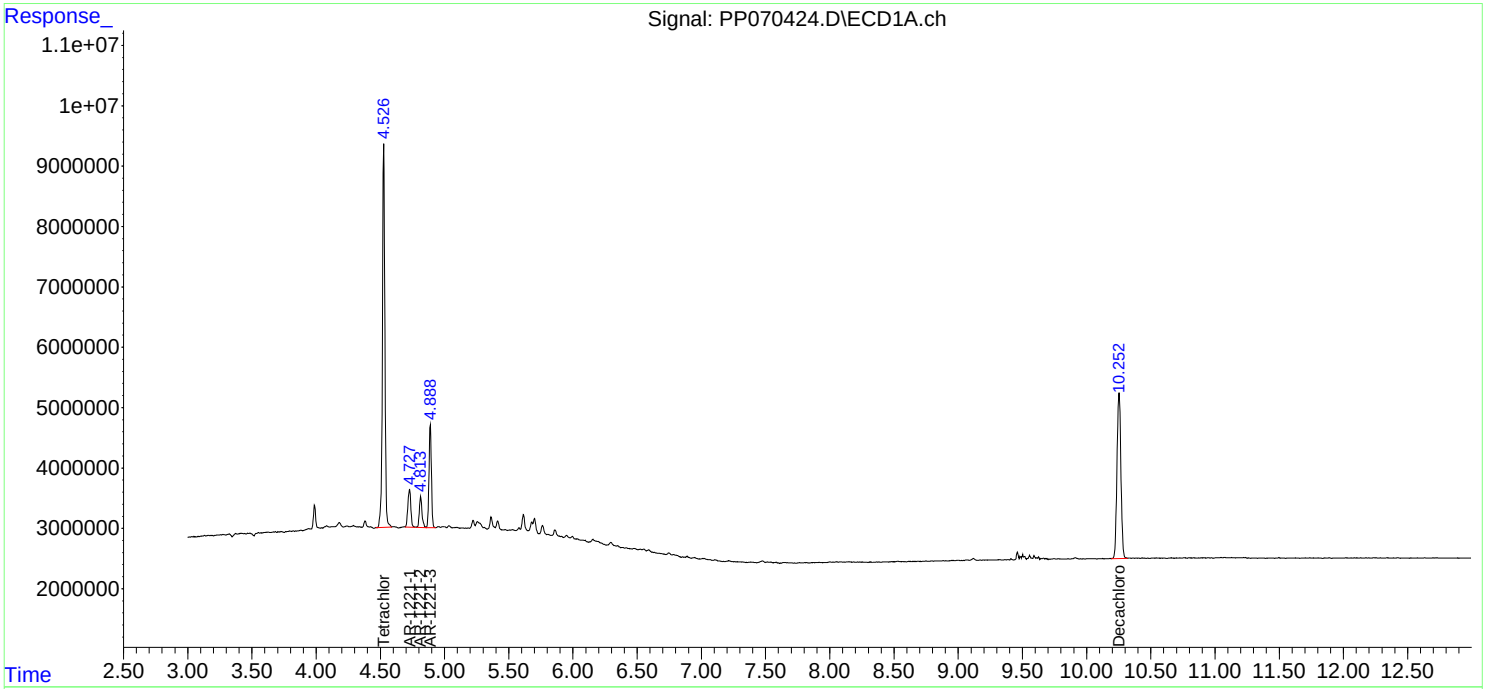
ICAL Form

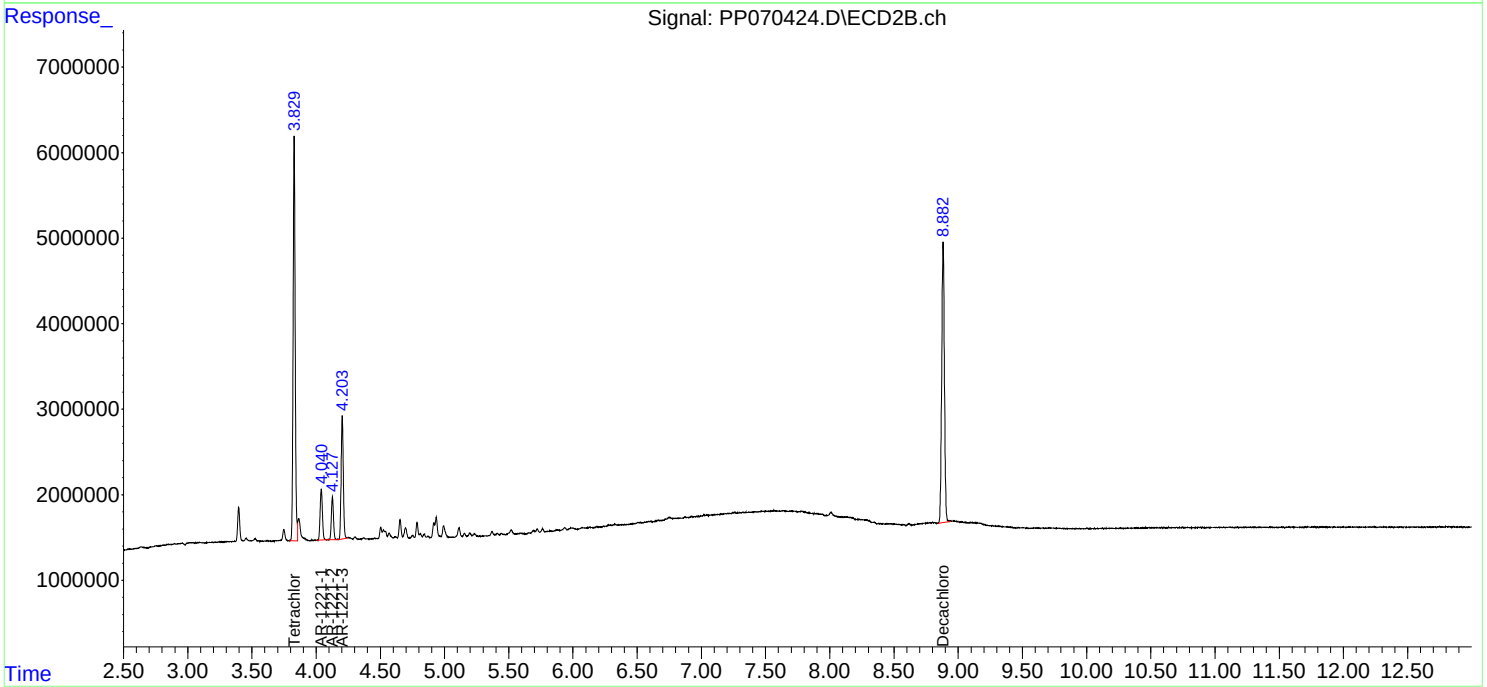
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:34
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

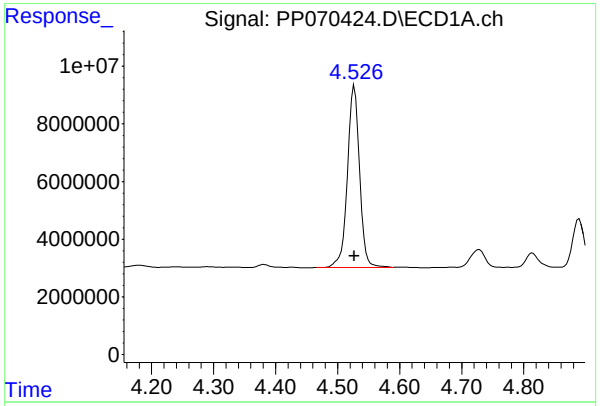
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

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

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



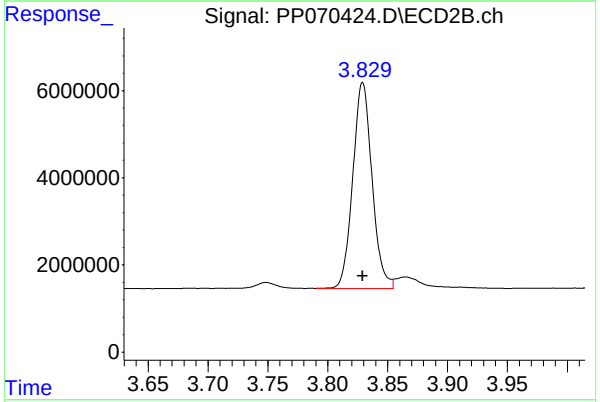




#1 Tetrachloro-m-xylene

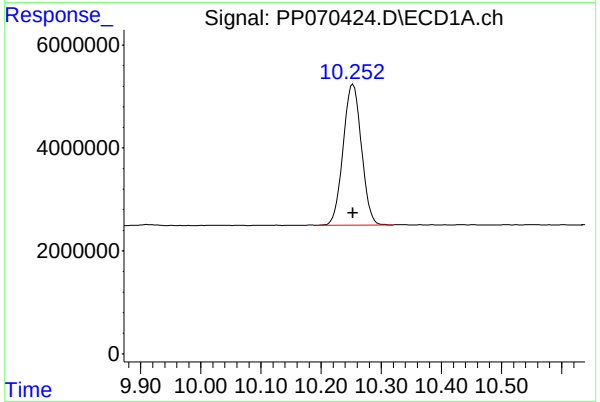
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 85559870
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



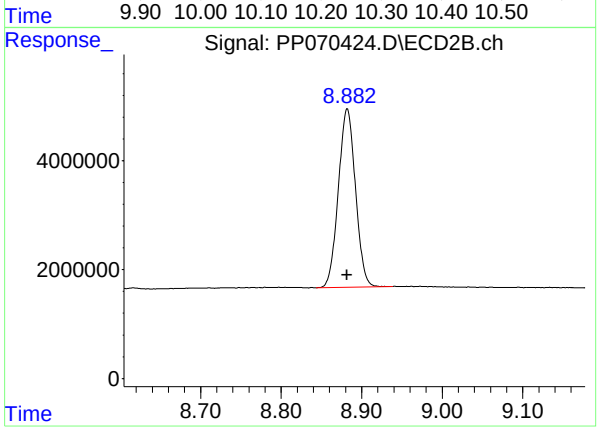
#1 Tetrachloro-m-xylene

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



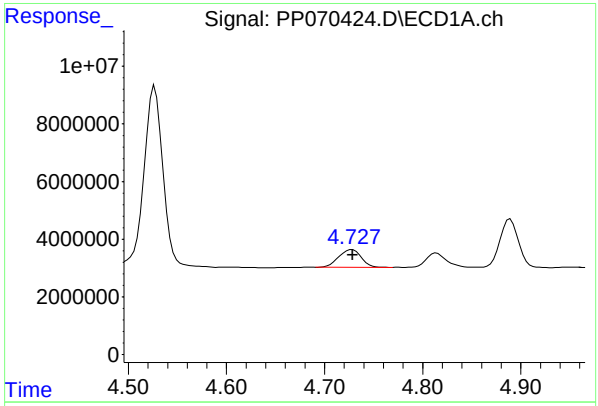
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

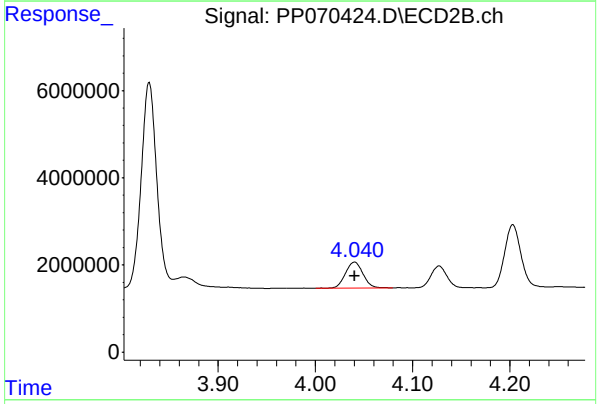
R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 48491420
Conc: 50.00 ng/ml



#8 AR-1221-1

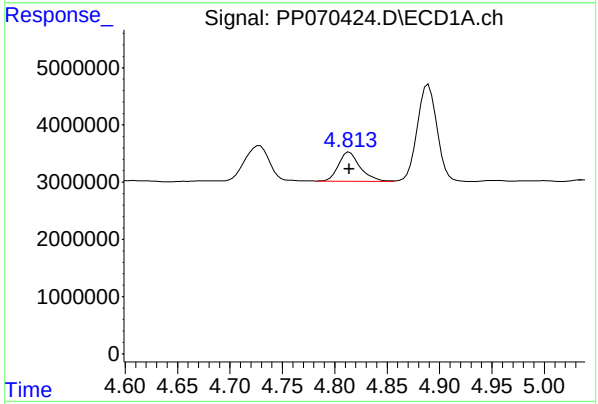
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 9970034
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



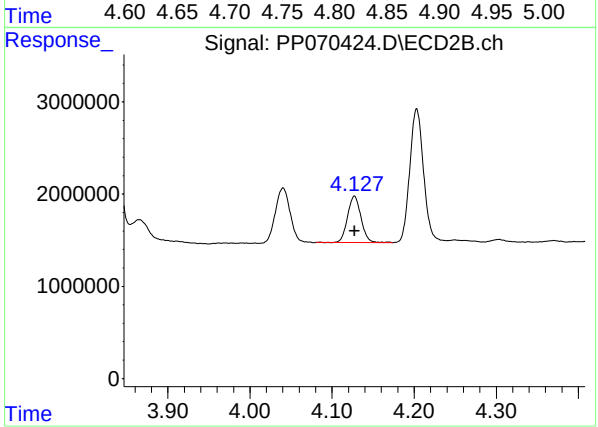
#8 AR-1221-1

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



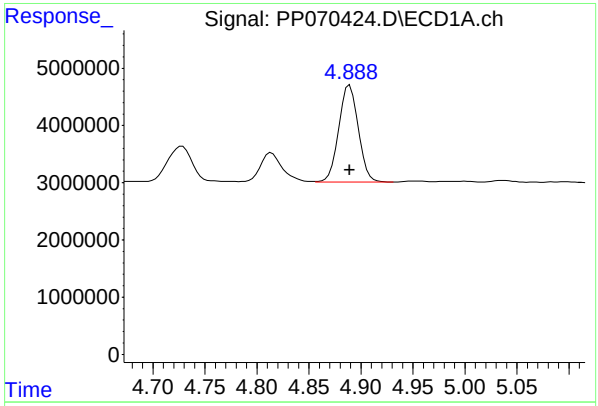
#9 AR-1221-2

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



#9 AR-1221-2

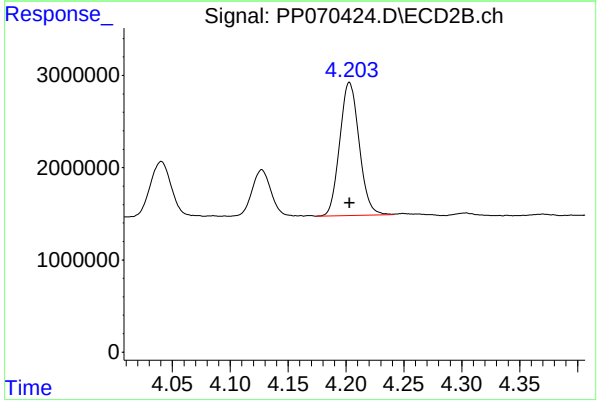
R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 5714551
Conc: 500.00 ng/ml



#10 AR-1221-3

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

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	150.4E6	98129431	92.351	95.548
2)	SA Decachlor...	10.253	8.882	100.7E6	92359197	90.743	95.702
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.202	31812517	23977464	913.736	926.616
12)	L3 AR-1232-2	5.413	4.935	16331114	23409194	922.165	929.728
13)	L3 AR-1232-3	5.699	5.112	33685372	12864968	894.673	935.420
14)	L3 AR-1232-4	5.859	5.197	17112653	10909254	906.329	934.217
15)	L3 AR-1232-5	5.949	5.369	12358074	12122932	908.882	928.836

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

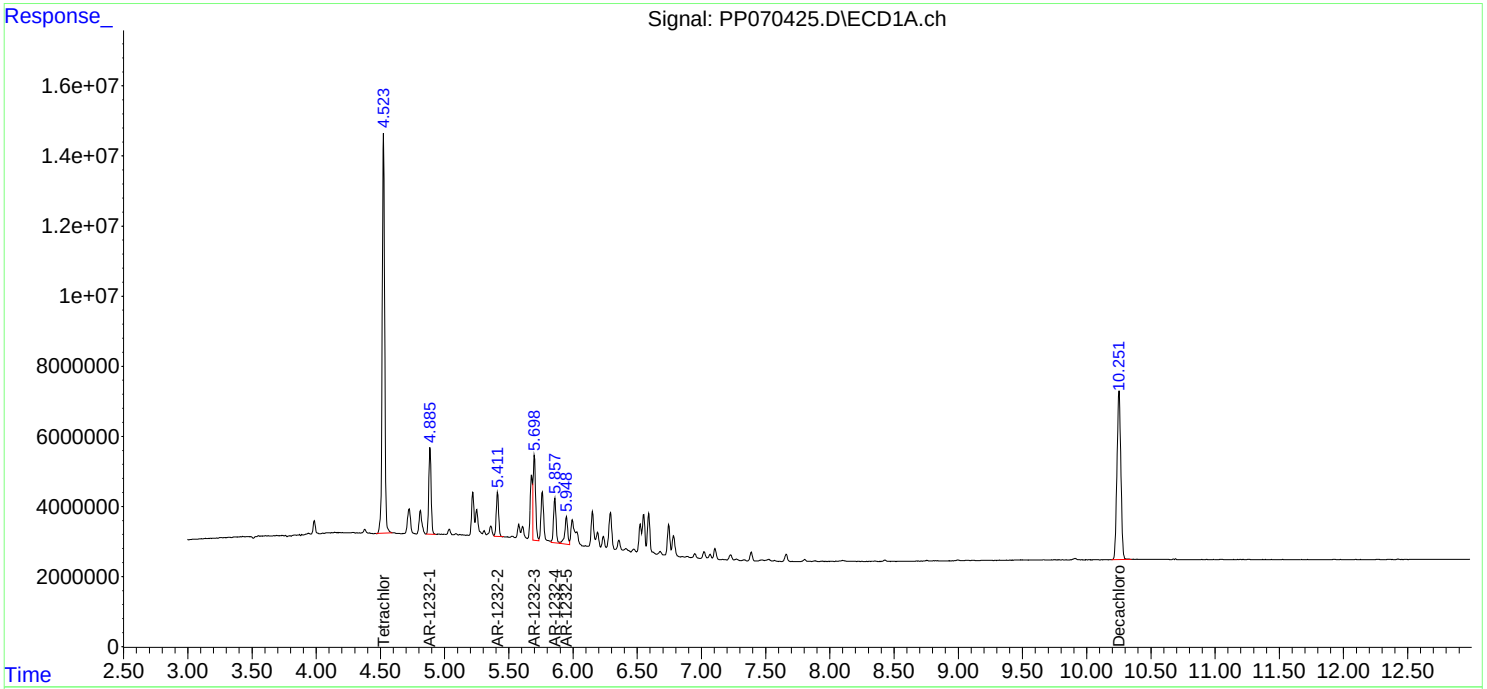
ICAL Form

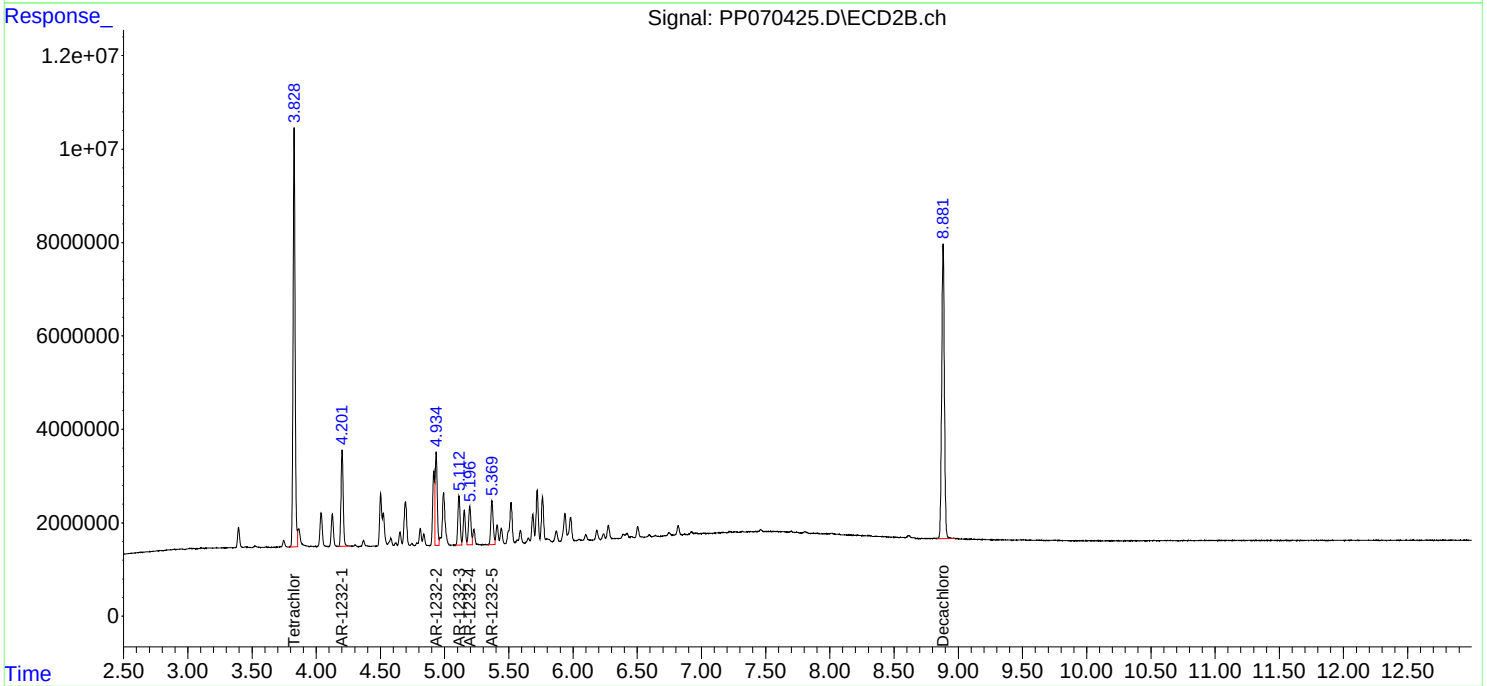
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:51
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

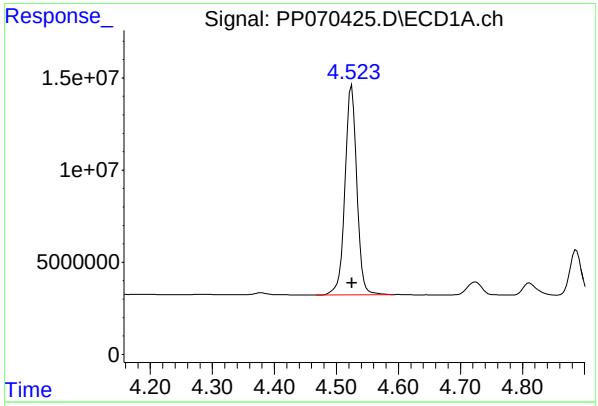
Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

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

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



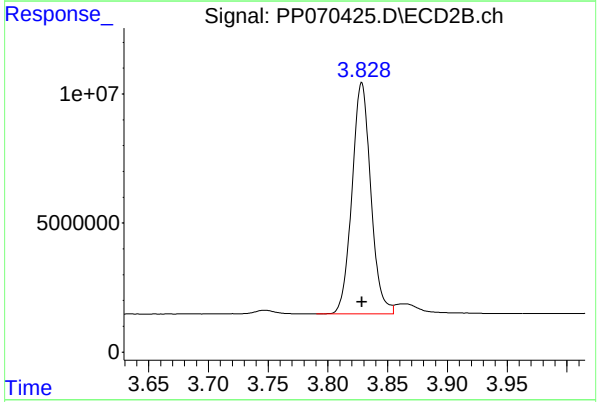




#1 Tetrachloro-m-xylene

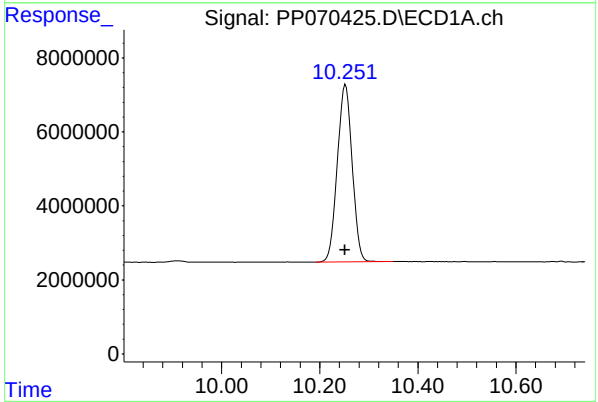
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 150387044
Conc: 92.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



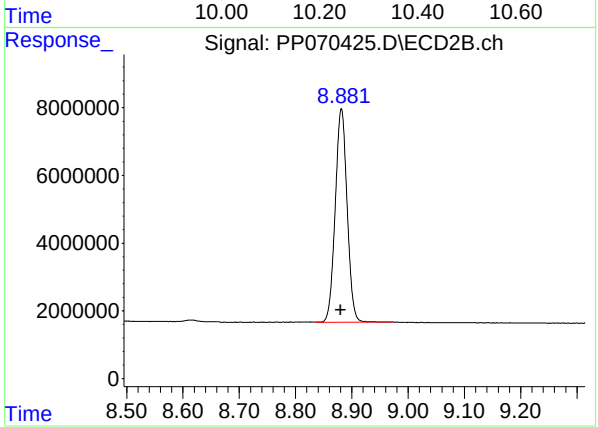
#1 Tetrachloro-m-xylene

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



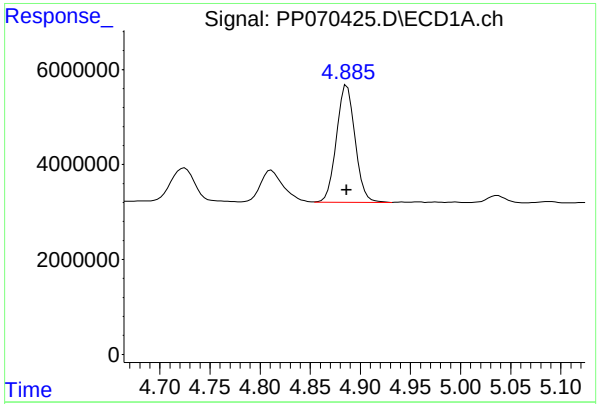
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

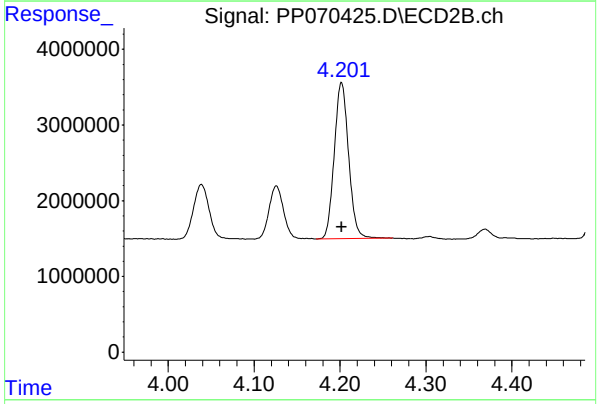
R.T.: 8.882 min
Delta R.T.: 0.001 min
Response: 92359197
Conc: 95.70 ng/ml



#11 AR-1232-1

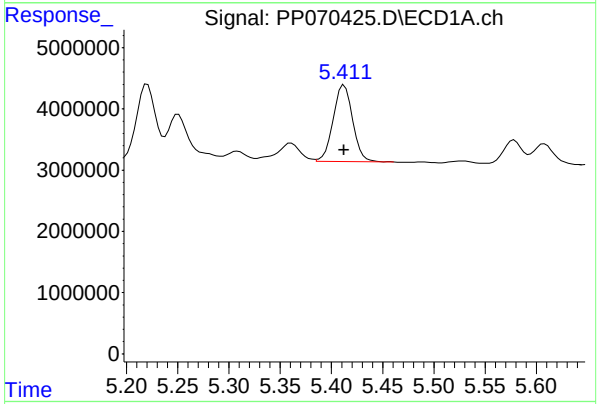
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 31812517
Conc: 913.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



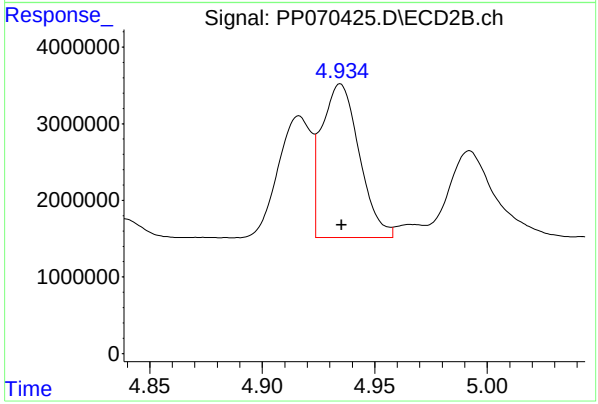
#11 AR-1232-1

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



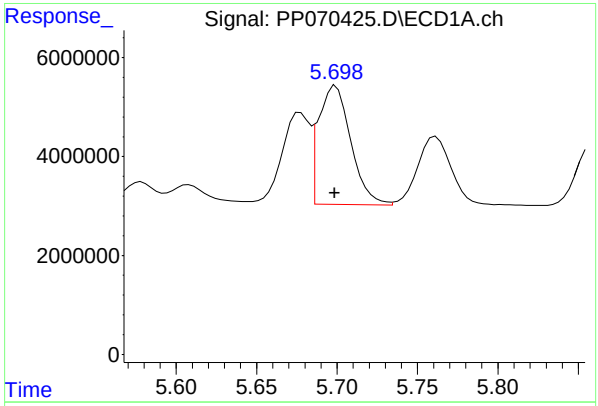
#12 AR-1232-2

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



#12 AR-1232-2

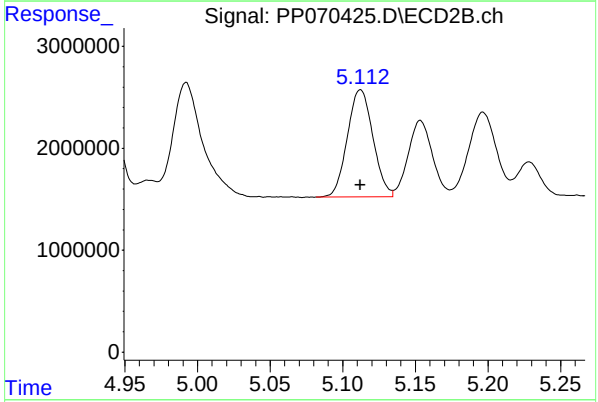
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 23409194
Conc: 929.73 ng/ml



#13 AR-1232-3

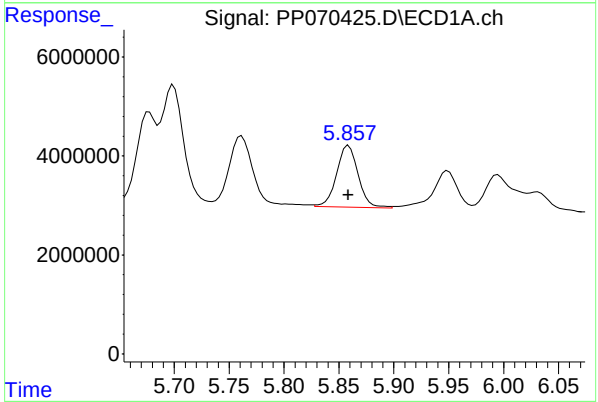
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 33685372
Conc: 894.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



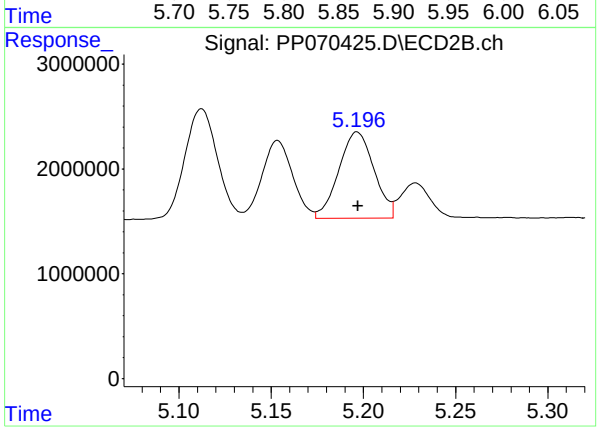
#13 AR-1232-3

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



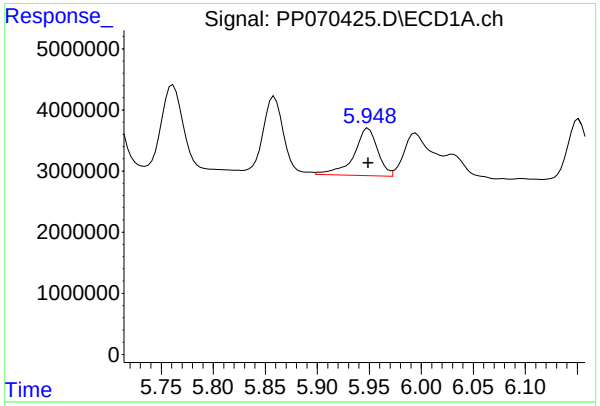
#14 AR-1232-4

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



#14 AR-1232-4

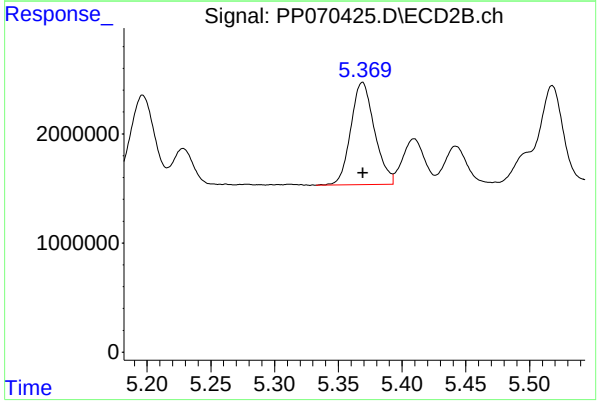
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 10909254
Conc: 934.22 ng/ml



#15 AR-1232-5

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



#15 AR-1232-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.829	119.1E6	76777406	73.123	74.758
2)	SA Decachlor...	10.252	8.882	79622540	70086455	71.725	72.623
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.203	25057001	18782891	719.701	725.871
12)	L3 AR-1232-2	5.413	4.936	13025946	18111440	735.533	719.320
13)	L3 AR-1232-3	5.699	5.113	26404840	9838434	701.304	715.359
14)	L3 AR-1232-4	5.859	5.198	13655959	8320666	723.254	712.542
15)	L3 AR-1232-5	5.949	5.370	9764505	9497409	718.137	727.673

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

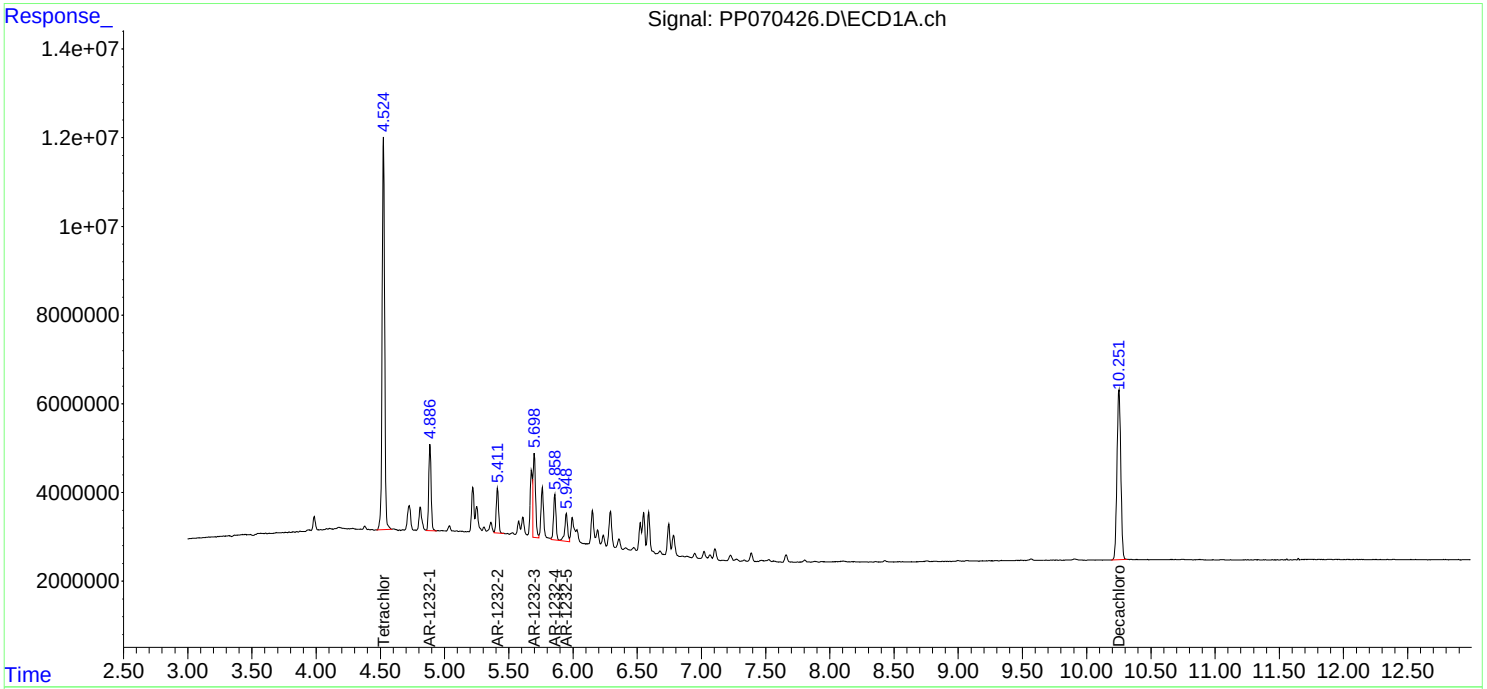
ICAL Form

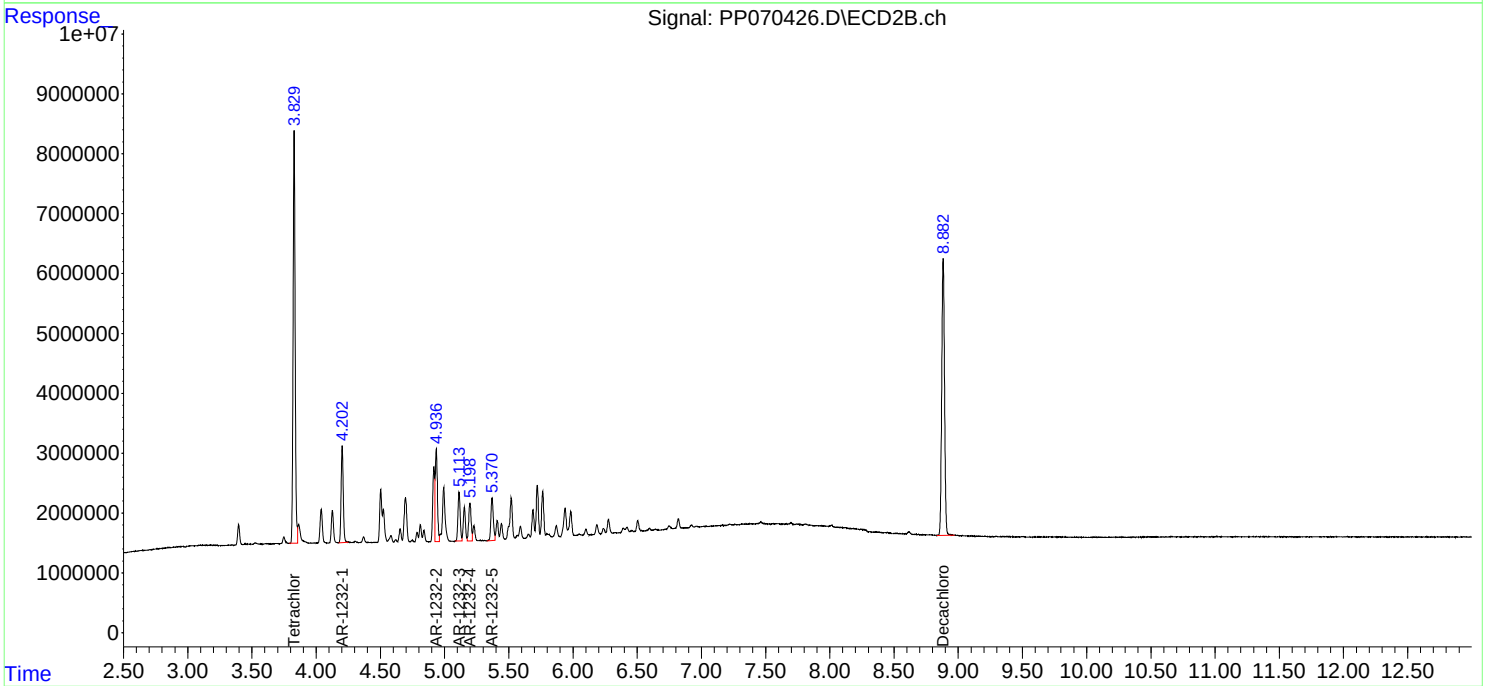
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:07
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

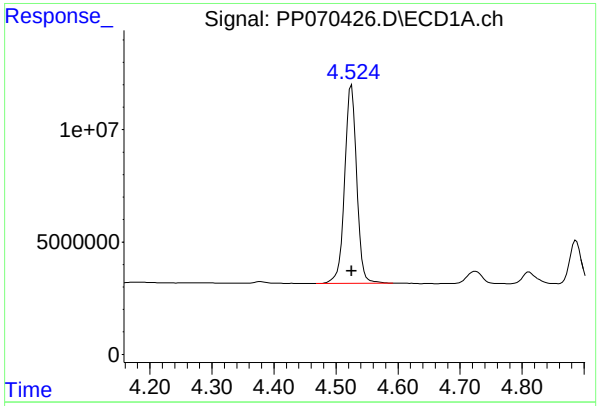
Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

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

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



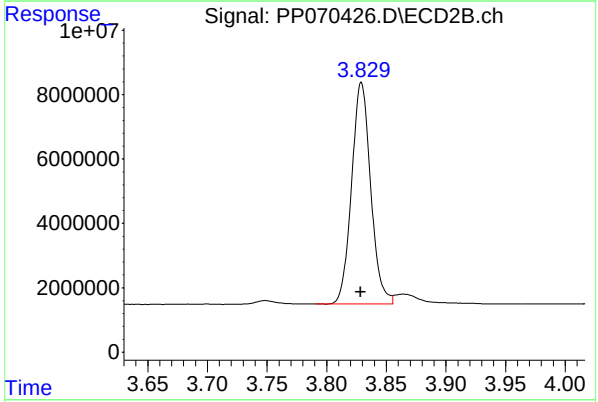




#1 Tetrachloro-m-xylene

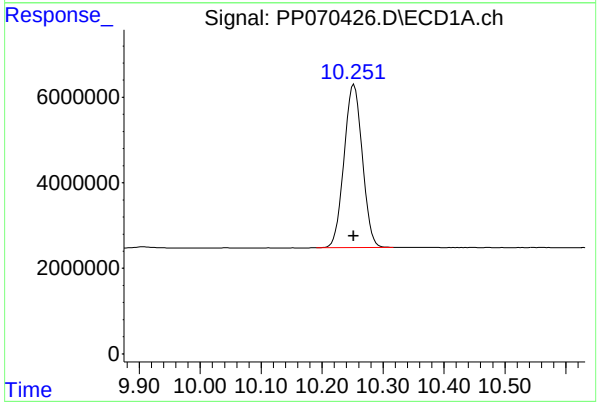
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 119075512
Conc: 73.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



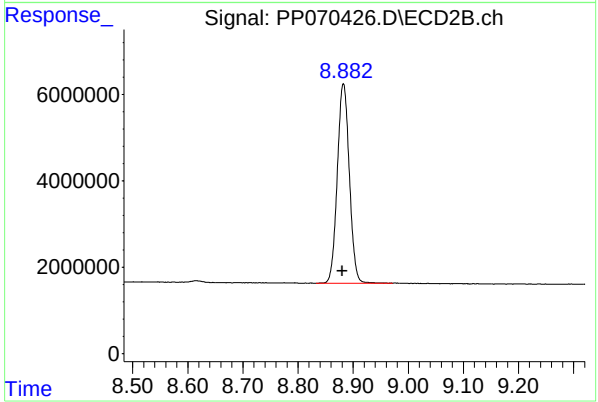
#1 Tetrachloro-m-xylene

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



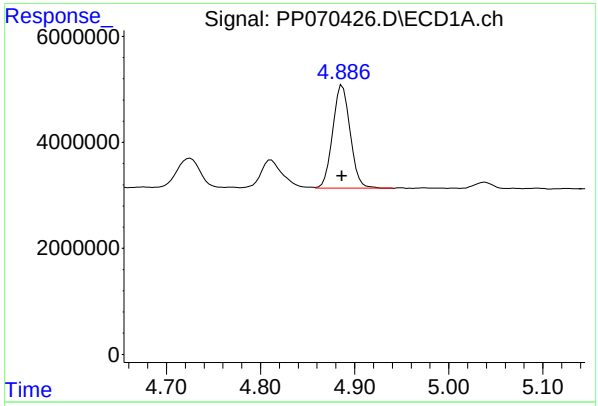
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

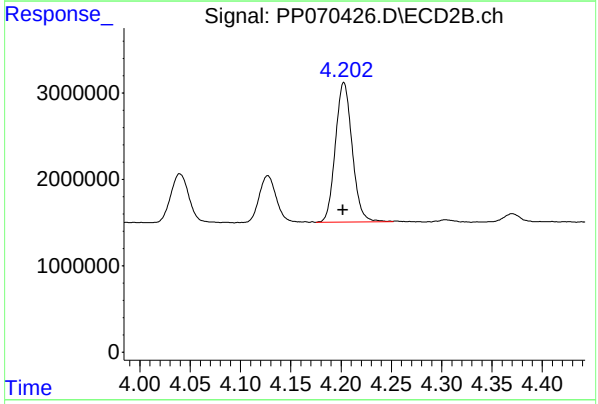
R.T.: 8.882 min
Delta R.T.: 0.002 min
Response: 70086455
Conc: 72.62 ng/ml



#11 AR-1232-1

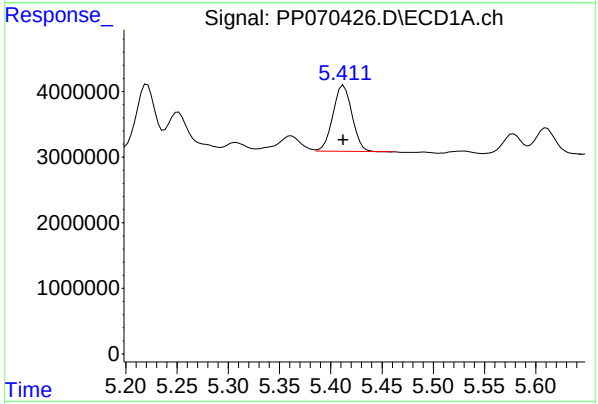
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 25057001
Conc: 719.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



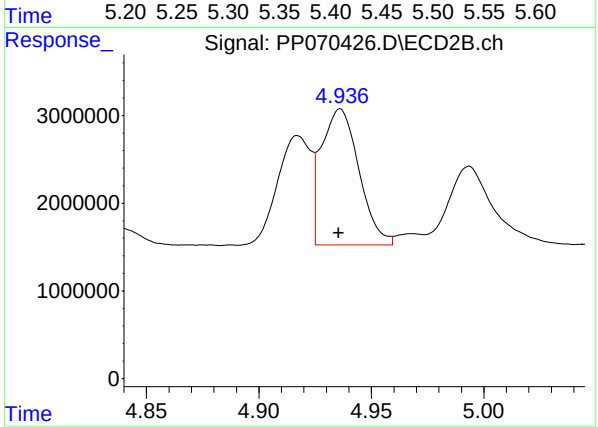
#11 AR-1232-1

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



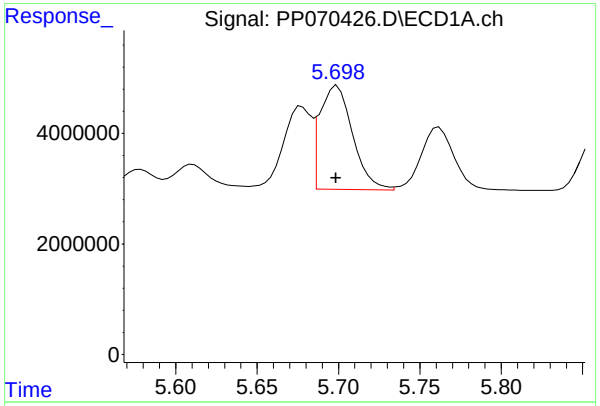
#12 AR-1232-2

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



#12 AR-1232-2

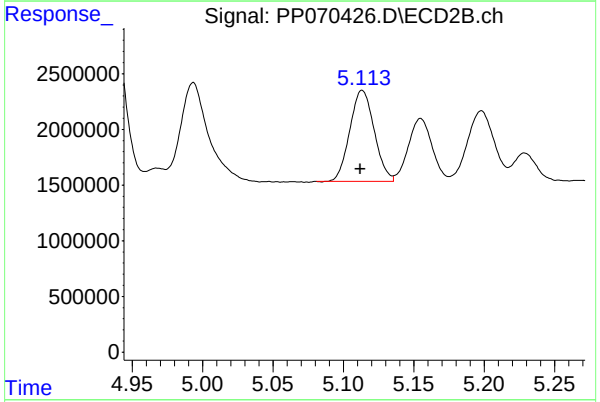
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 18111440
Conc: 719.32 ng/ml



#13 AR-1232-3

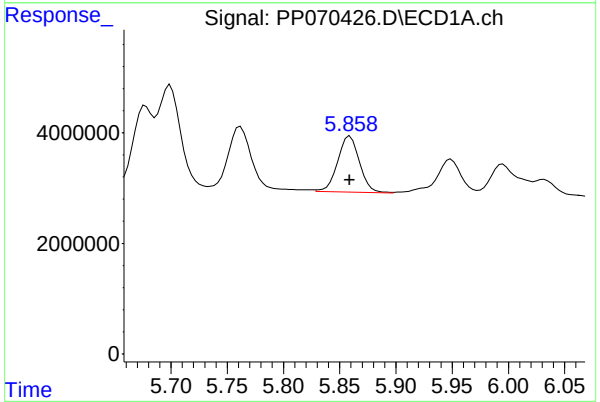
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 26404840
Conc: 701.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



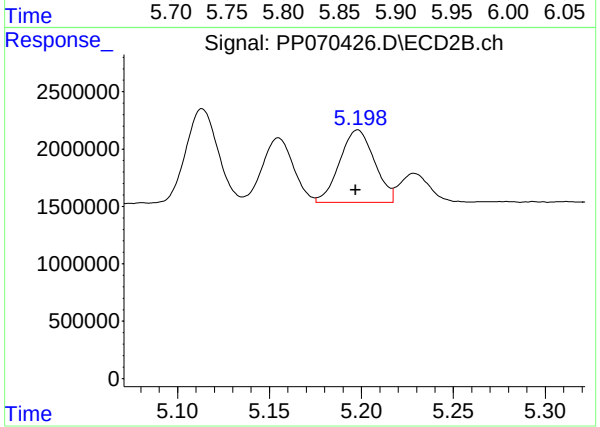
#13 AR-1232-3

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



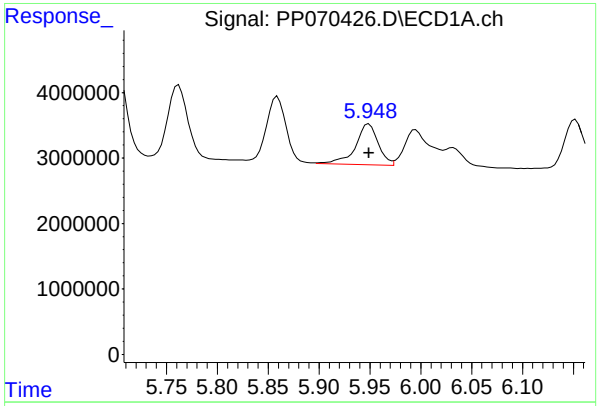
#14 AR-1232-4

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



#14 AR-1232-4

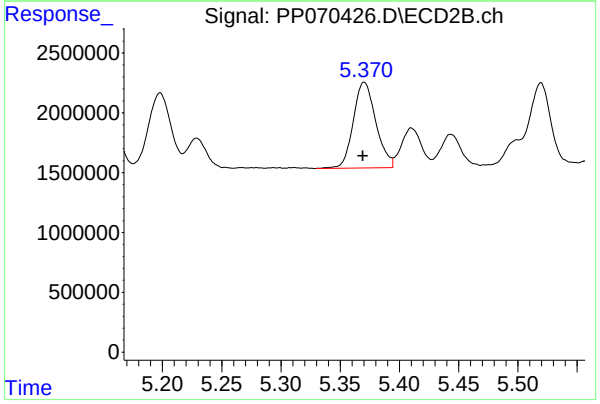
R.T.: 5.198 min
Delta R.T.: 0.001 min
Response: 8320666
Conc: 712.54 ng/ml



#15 AR-1232-5

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



#15 AR-1232-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	81421627	51350702	50.000	50.000
2)	SA Decachlor...	10.252	8.880	55505634	48253472	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.202	17407935	12938181	500.000	500.000
12)	L3 AR-1232-2	5.412	4.935	8854766	12589270	500.000	500.000
13)	L3 AR-1232-3	5.698	5.112	18825530	6876575	500.000	500.000
14)	L3 AR-1232-4	5.859	5.197	9440644	5838717	500.000	500.000
15)	L3 AR-1232-5	5.949	5.369	6798499	6525873	500.000	500.000

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

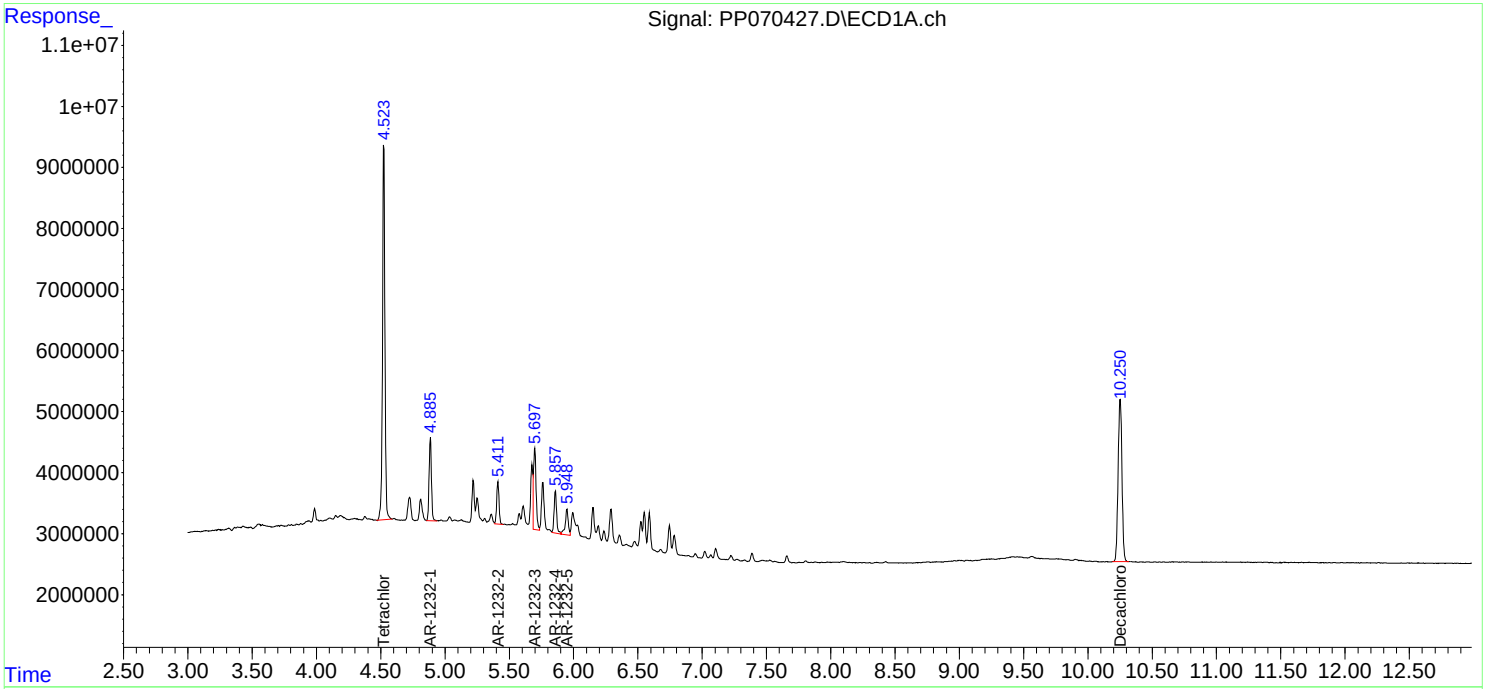
ICAL Form

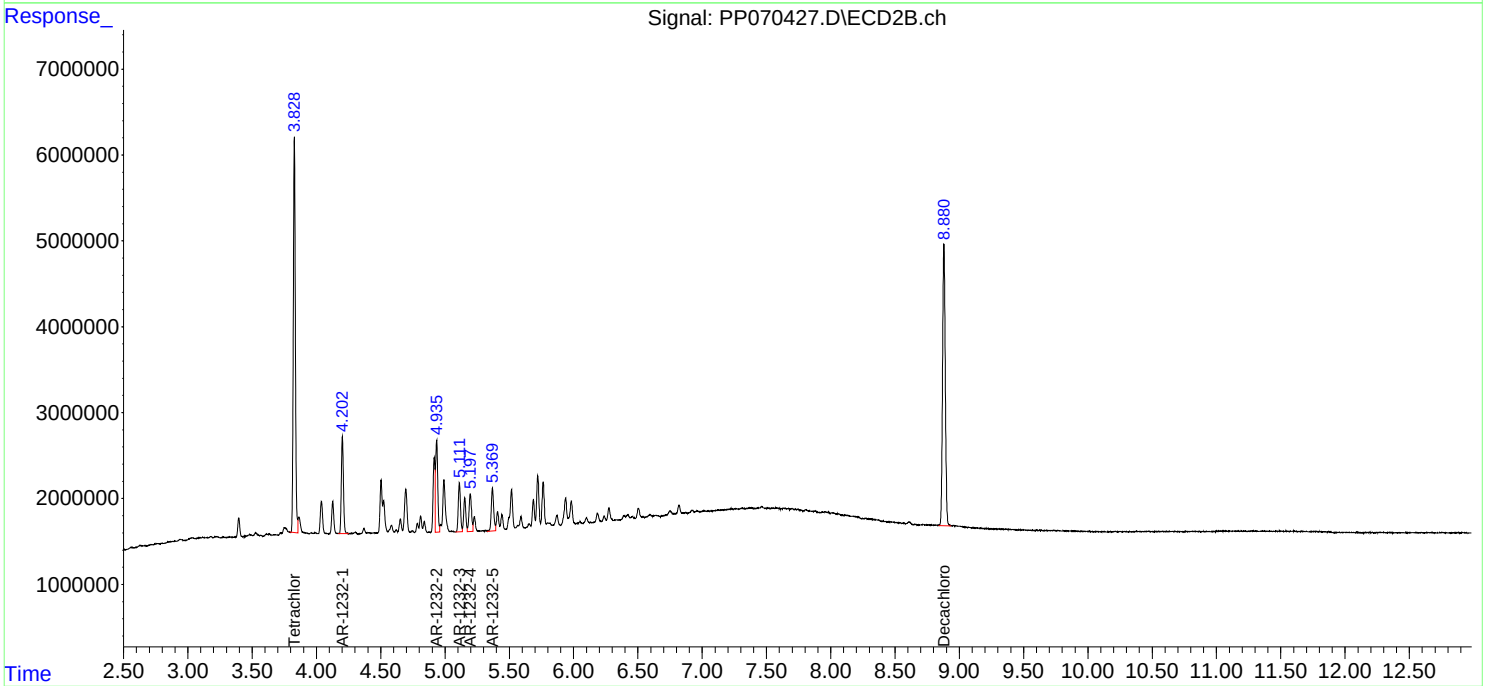
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:23
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

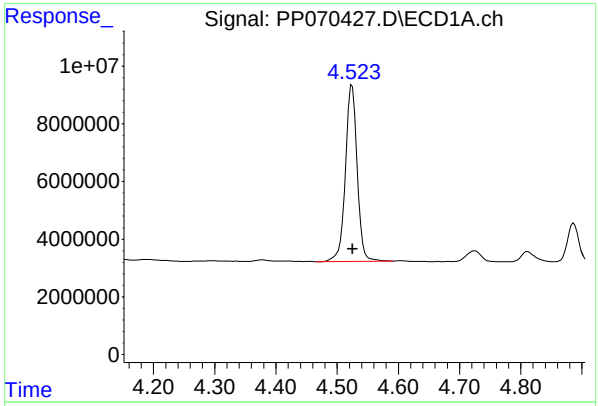
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

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

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



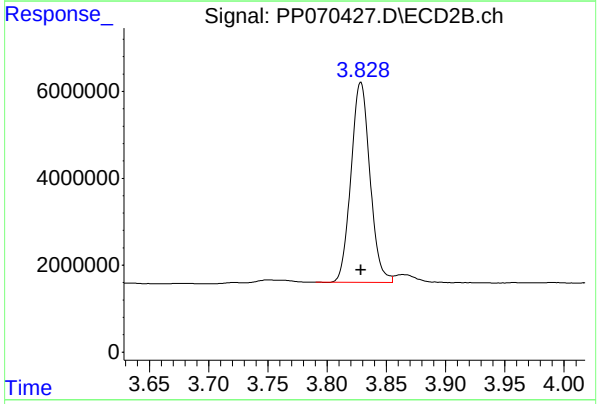




#1 Tetrachloro-m-xylene

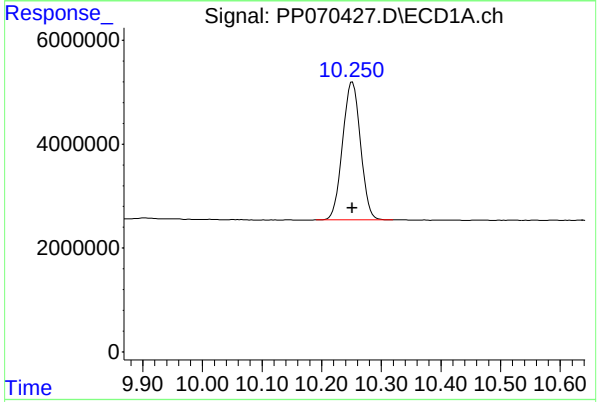
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81421627
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



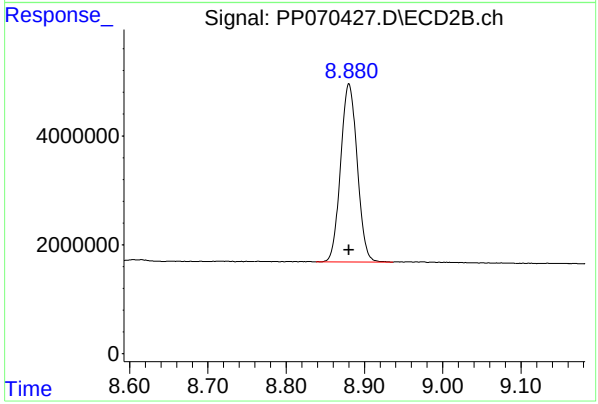
#1 Tetrachloro-m-xylene

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



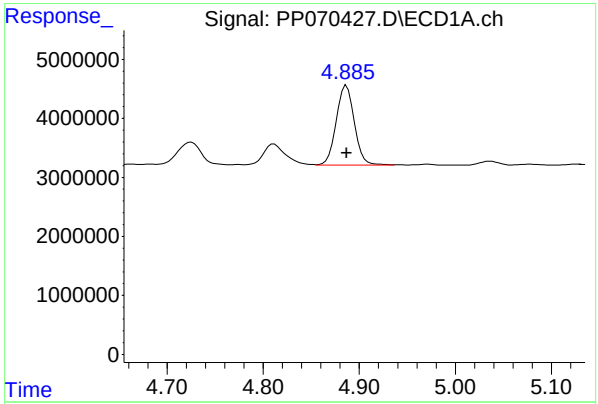
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

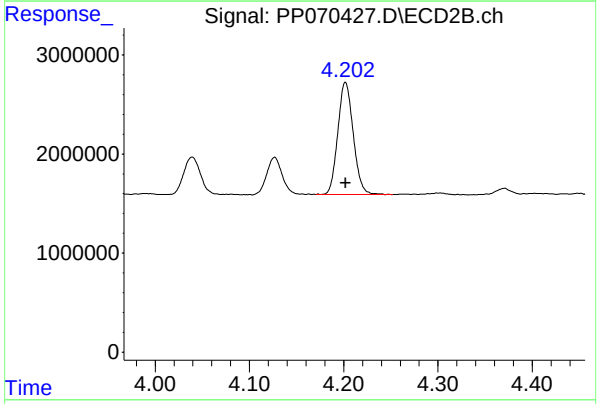
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 48253472
Conc: 50.00 ng/ml



#11 AR-1232-1

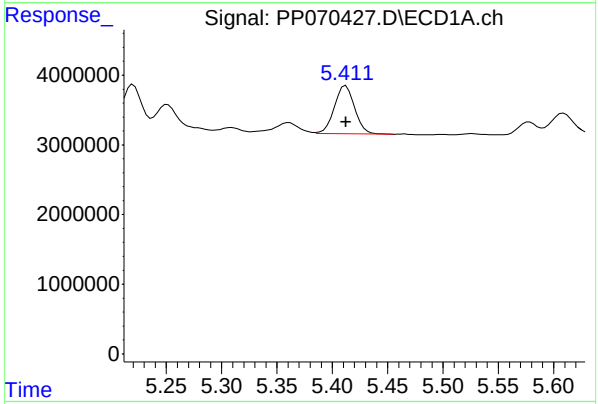
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 17407935
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



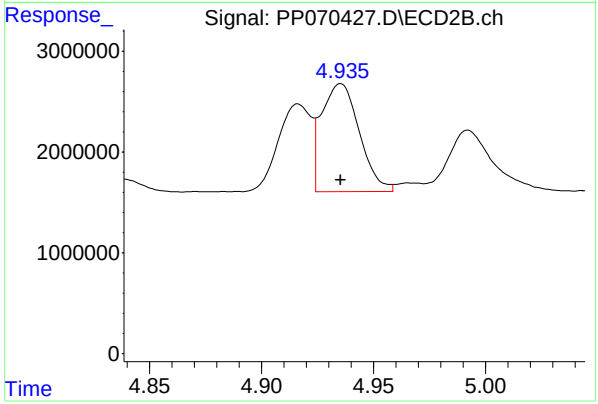
#11 AR-1232-1

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



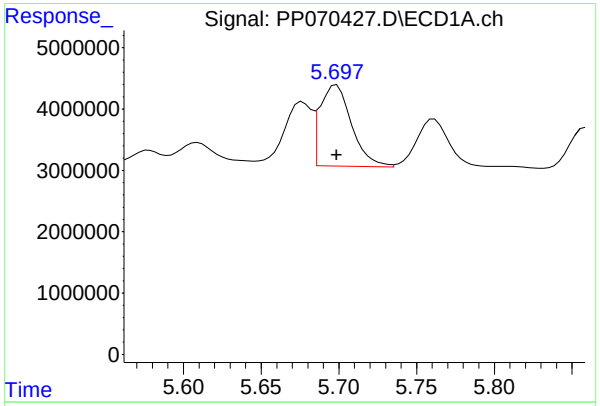
#12 AR-1232-2

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



#12 AR-1232-2

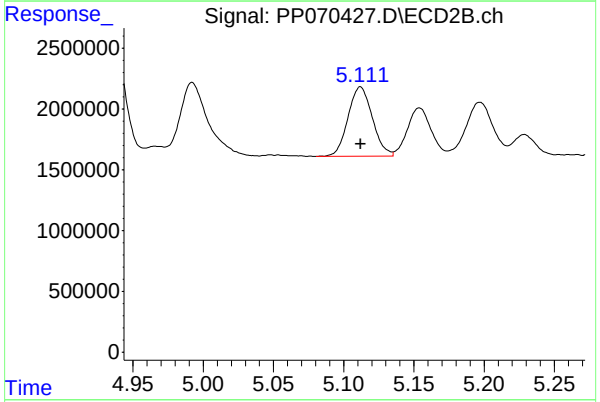
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 12589270
Conc: 500.00 ng/ml



#13 AR-1232-3

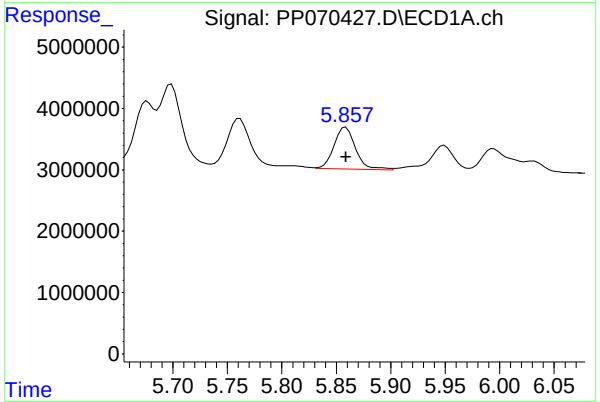
R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 18825530
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



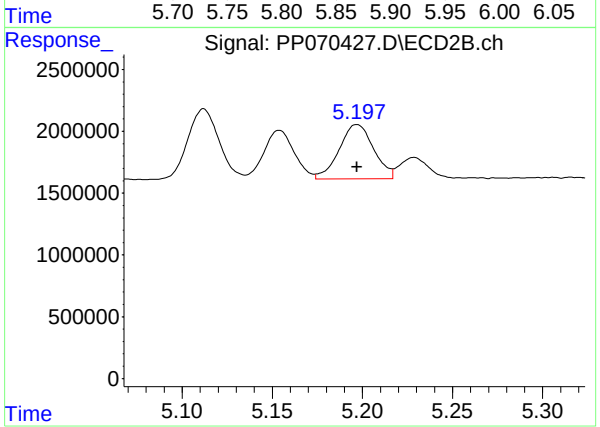
#13 AR-1232-3

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



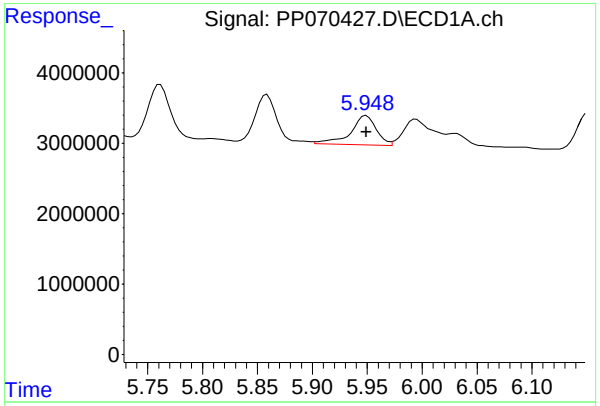
#14 AR-1232-4

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



#14 AR-1232-4

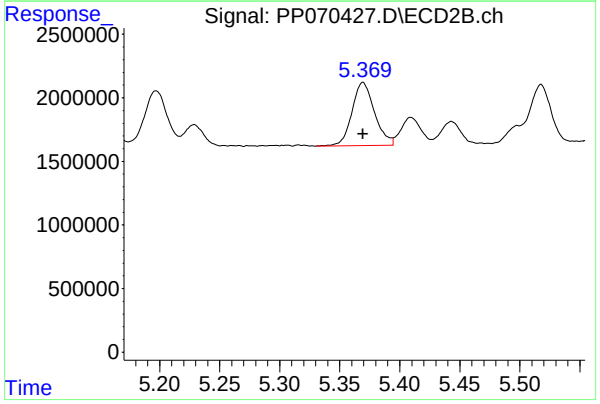
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 5838717
Conc: 500.00 ng/ml



#15 AR-1232-5

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	42110947	27566531	25.860	26.841
2)	SA Decachlor...	10.254	8.881	28765211	28286345	25.912	29.310
	Target Compounds						
11)	L3 AR-1232-1	4.888	4.202	9518147	7054654	273.385	272.629
12)	L3 AR-1232-2	5.414	4.935	4323493	6922424	244.134	274.933
13)	L3 AR-1232-3	5.700	5.112	9794735	3580147	260.145	260.315
14)	L3 AR-1232-4	5.861	5.196	5144985	3082888	272.491	264.004
15)	L3 AR-1232-5	5.949	5.369	2924140	3384658	215.058m	259.326

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

ICAL Form

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

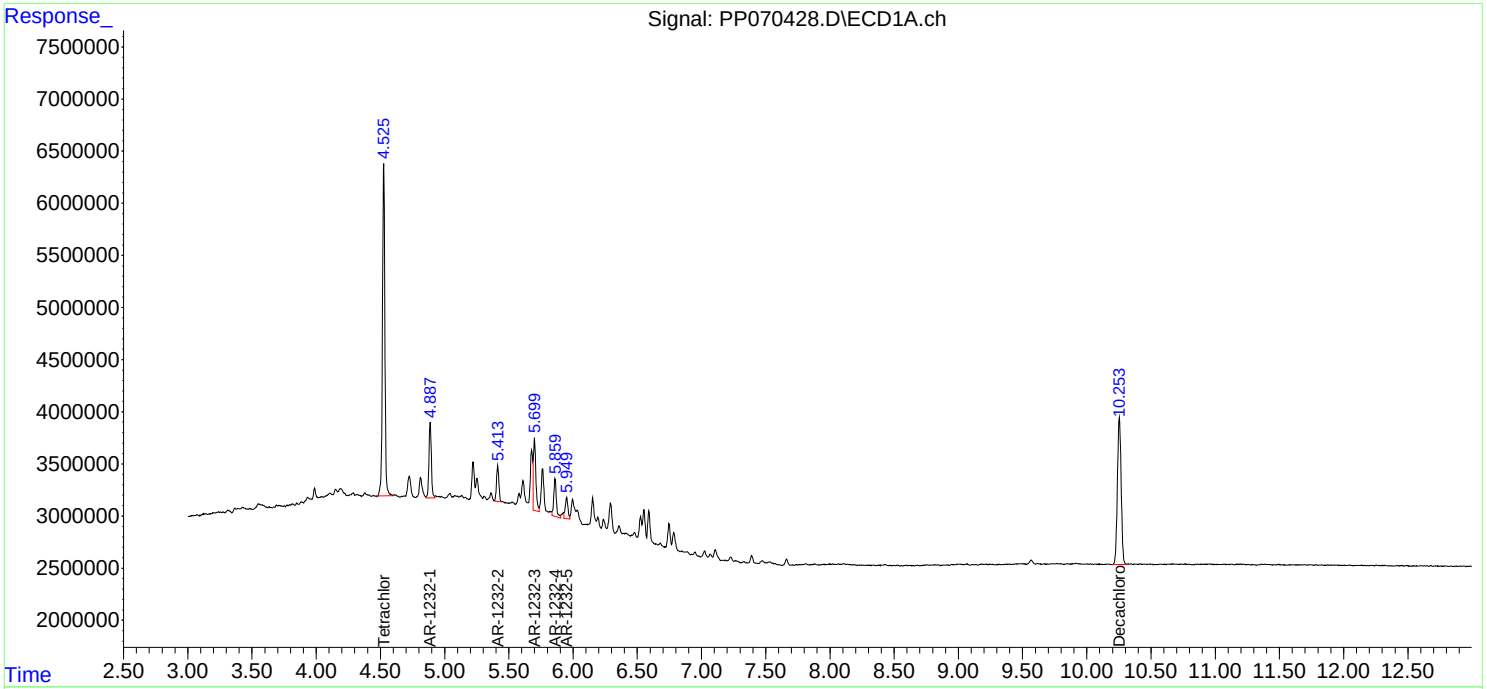
Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

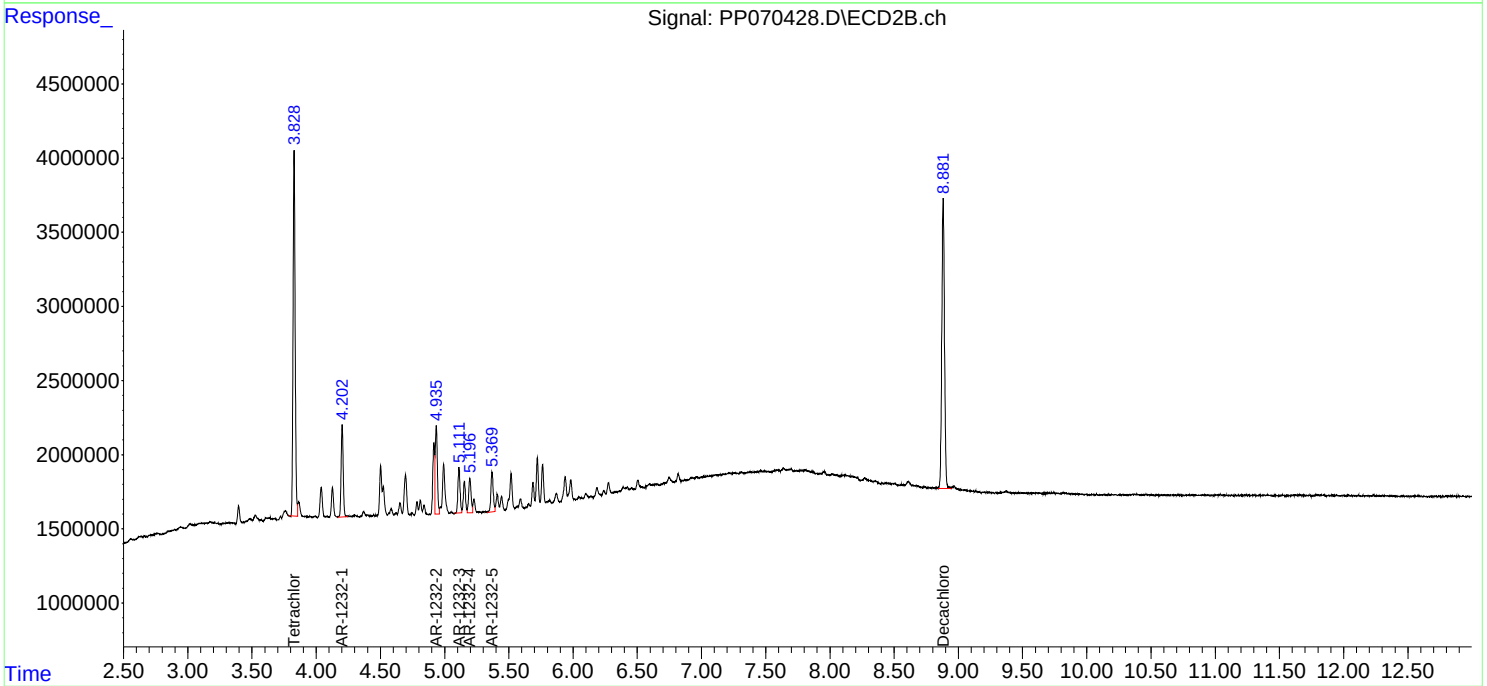
Manual Integrations APPROVED

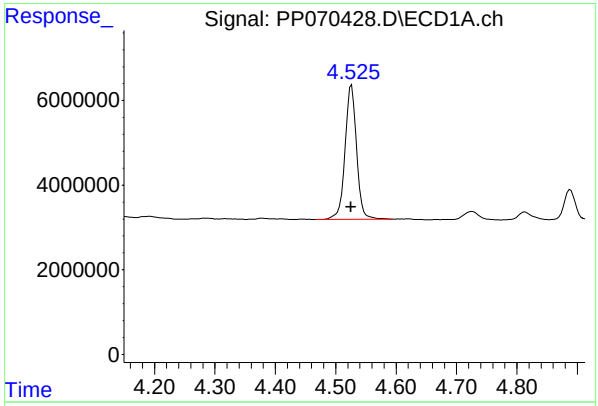
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

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

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







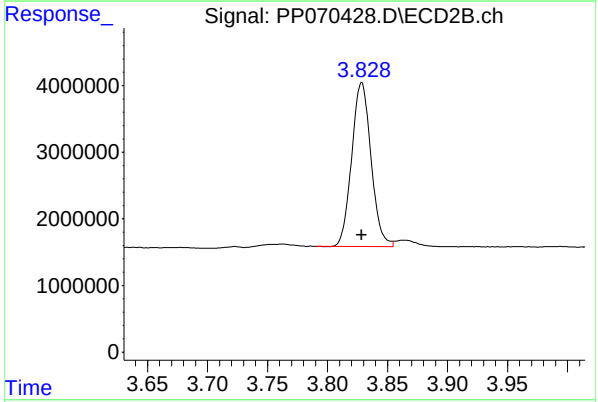
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

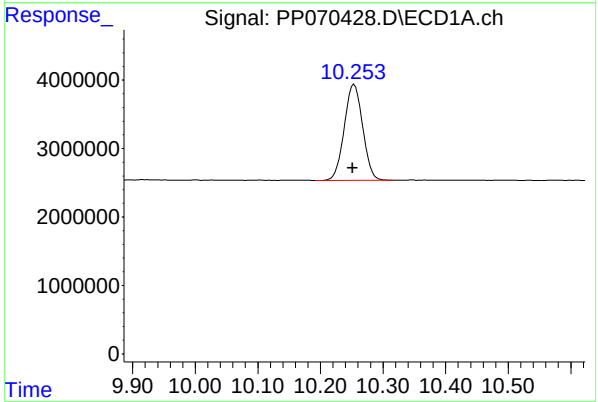
Manual Integrations APPROVED

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



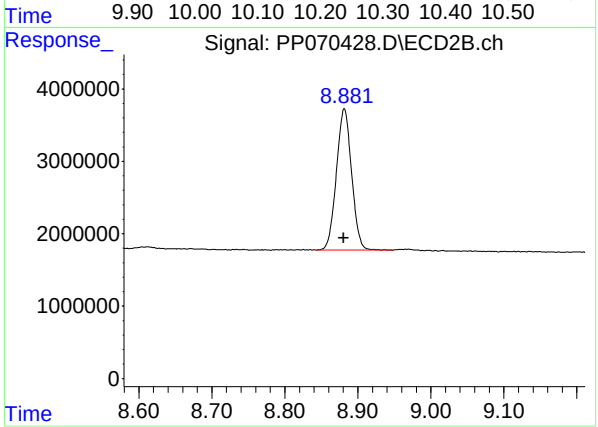
#1 Tetrachloro-m-xylene

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



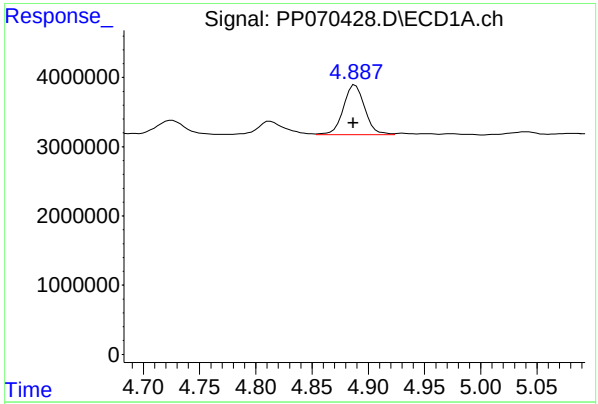
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



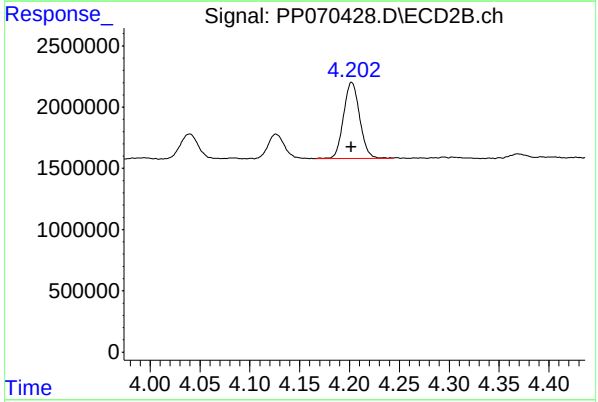
#11 AR-1232-1

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

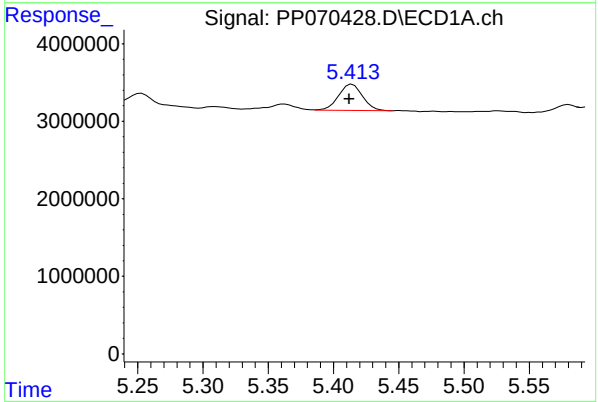
Manual Integrations APPROVED

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



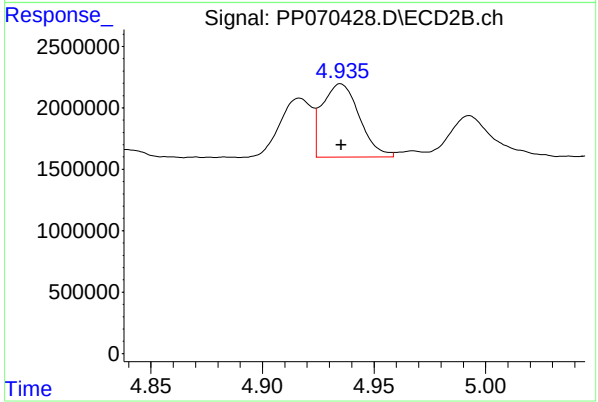
#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 7054654
Conc: 272.63 ng/ml



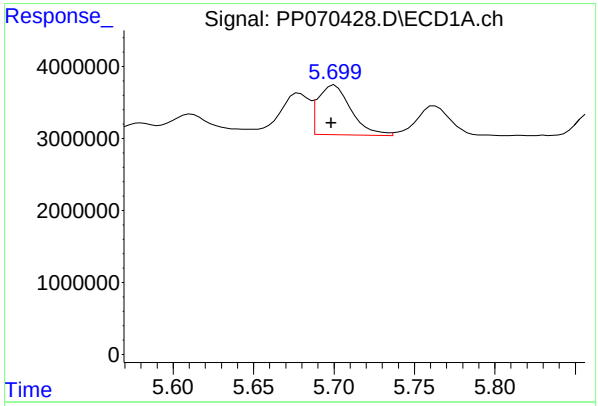
#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.002 min
Response: 4323493
Conc: 244.13 ng/ml



#12 AR-1232-2

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 6922424
Conc: 274.93 ng/ml



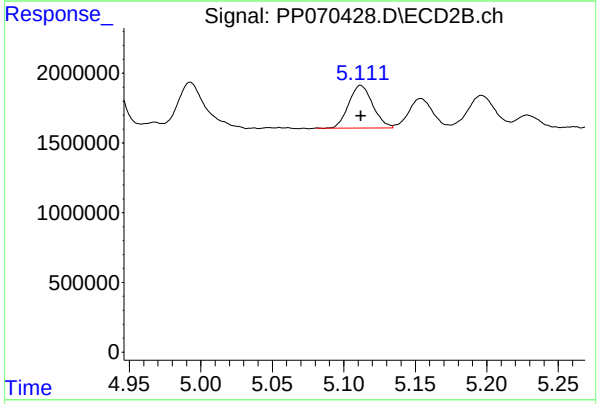
#13 AR-1232-3

R.T.: 5.700 min
Delta R.T.: 0.002 min
Response: 9794735
Conc: 260.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

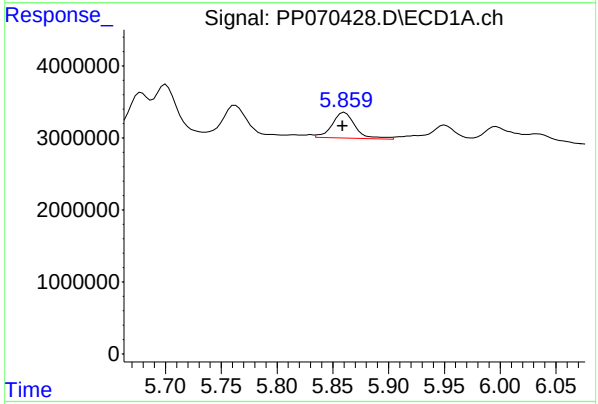
Manual Integrations APPROVED

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



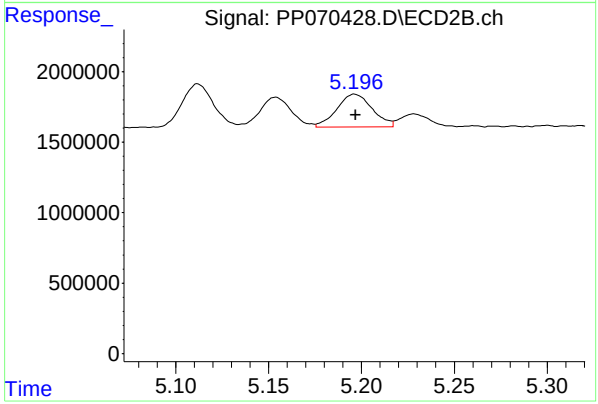
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 3580147
Conc: 260.31 ng/ml



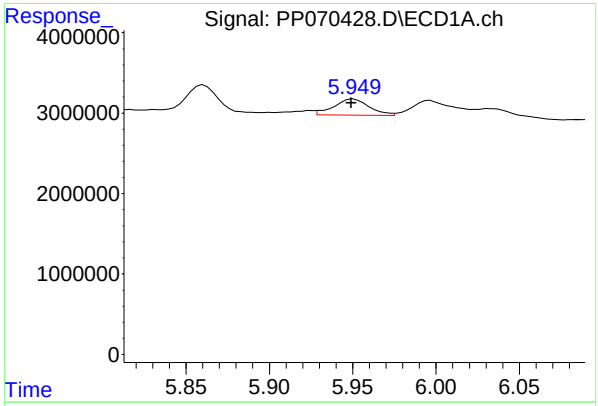
#14 AR-1232-4

R.T.: 5.861 min
Delta R.T.: 0.002 min
Response: 5144985
Conc: 272.49 ng/ml



#14 AR-1232-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 3082888
Conc: 264.00 ng/ml



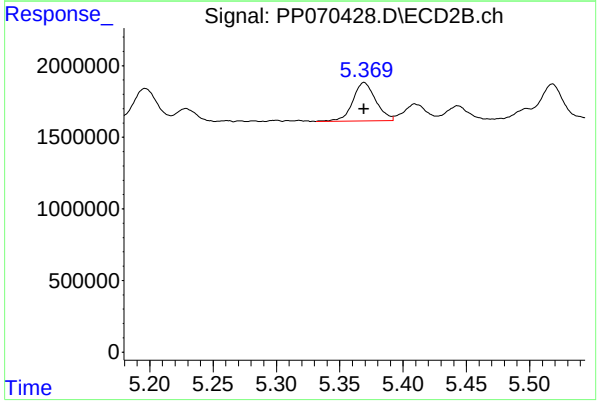
#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 2924140
Conc: 215.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Manual Integrations
APPROVED

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



#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 3384658
Conc: 259.33 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:56
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.828	7821901	5940731	4.803	5.784
2)	SA Decachlor...	10.255	8.881	5277277	5419163	4.754	5.615
	Target Compounds						
11)	L3 AR-1232-1	4.889	4.201	1983848	1421614	56.981	54.939m
12)	L3 AR-1232-2	5.414	4.934	781907	1431721	44.152m	56.863m#
13)	L3 AR-1232-3	5.701	5.112	1856332	799405	49.304m	58.125
14)	L3 AR-1232-4	5.859	5.196	1009484	627440	53.465m	53.731
15)	L3 AR-1232-5	5.943	5.367	707014	698174	51.998m	53.493m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:56
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

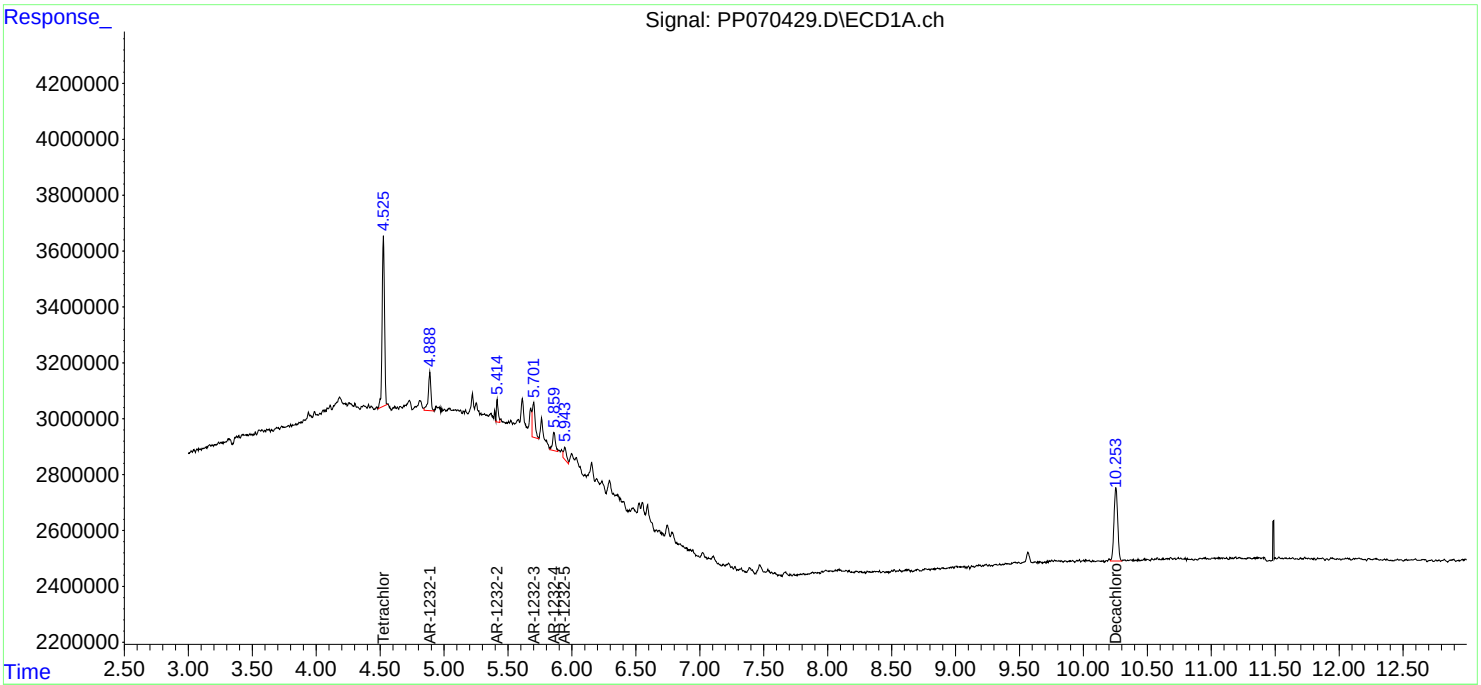
Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

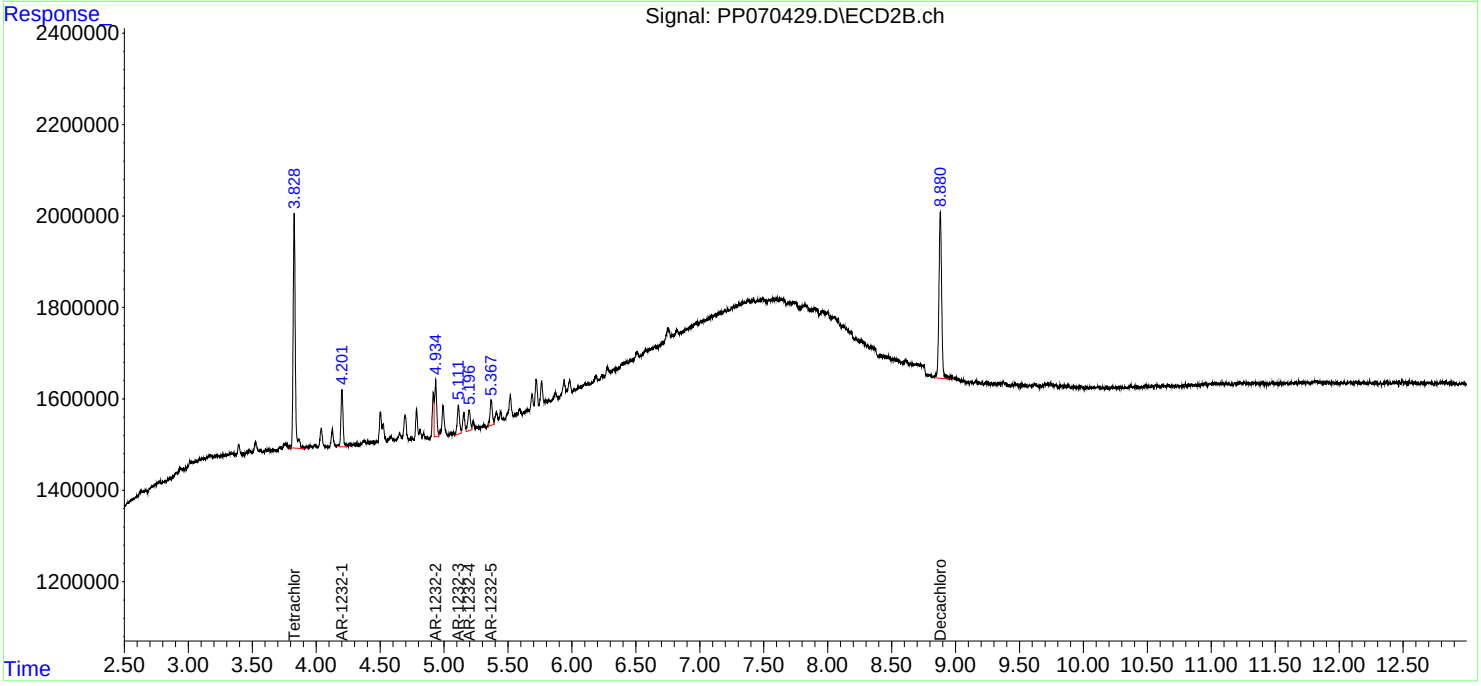
Manual Integrations APPROVED

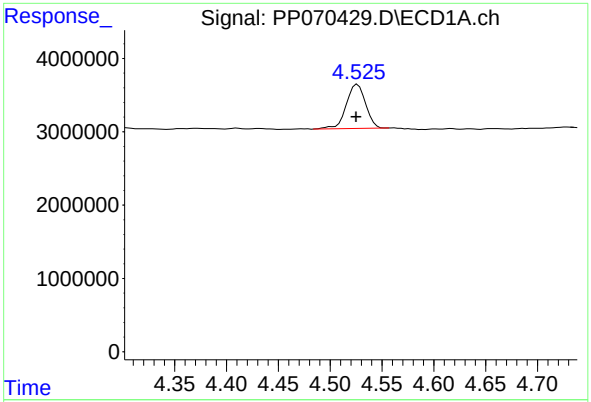
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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







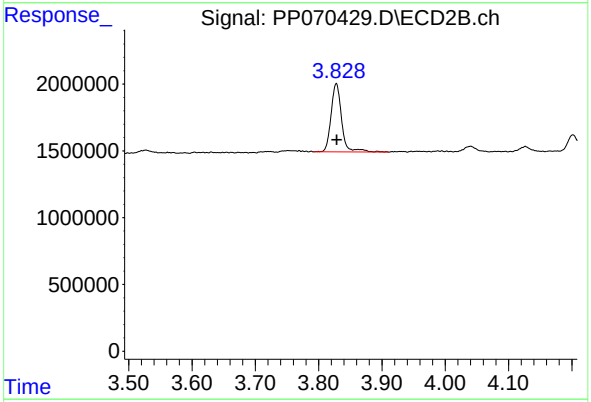
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 7821901
Conc: 4.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

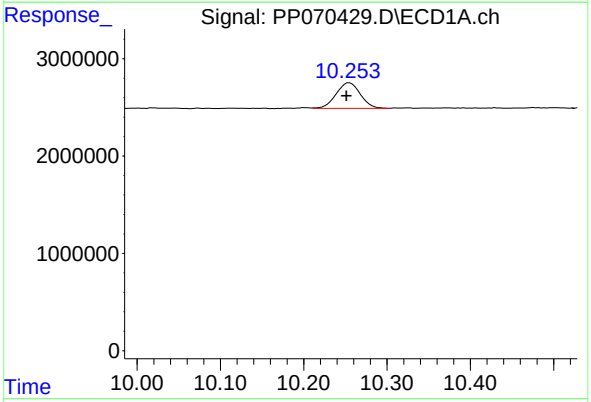
Manual Integrations APPROVED

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



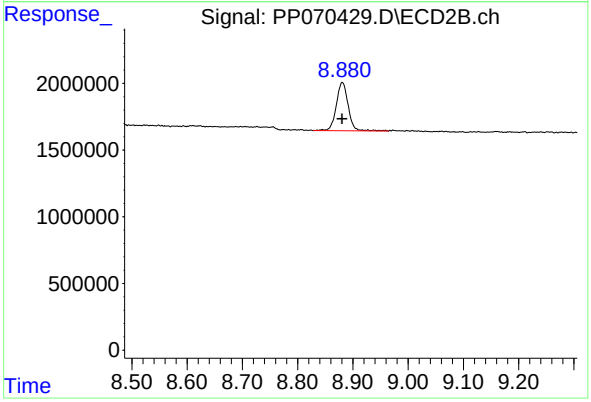
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5940731
Conc: 5.78 ng/ml



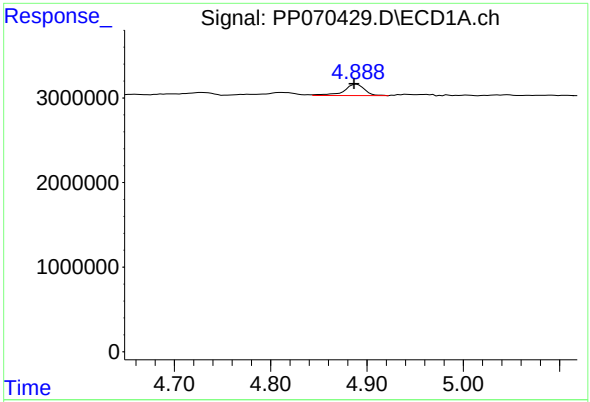
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.003 min
Response: 5277277
Conc: 4.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 5419163
Conc: 5.62 ng/ml



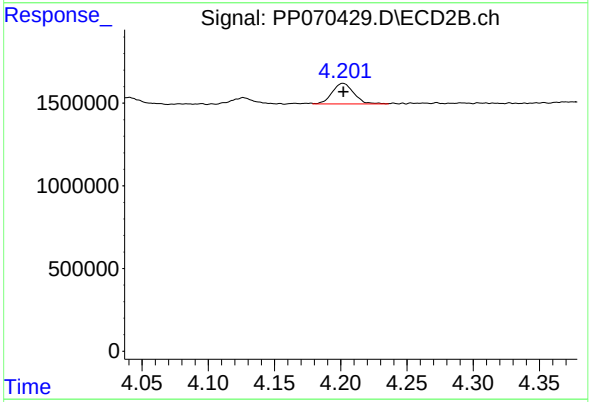
#11 AR-1232-1

R.T.: 4.889 min
Delta R.T.: 0.003 min
Response: 1983848
Conc: 56.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

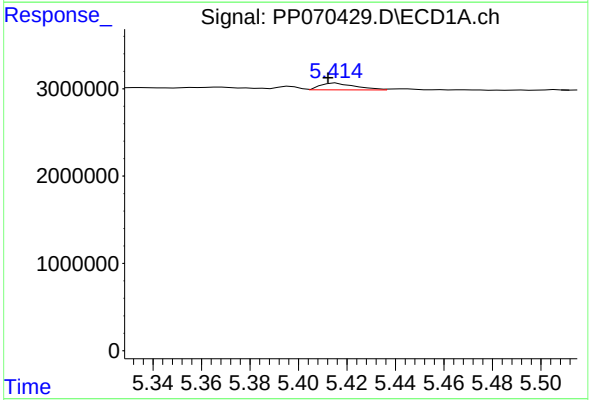
Manual Integrations APPROVED

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



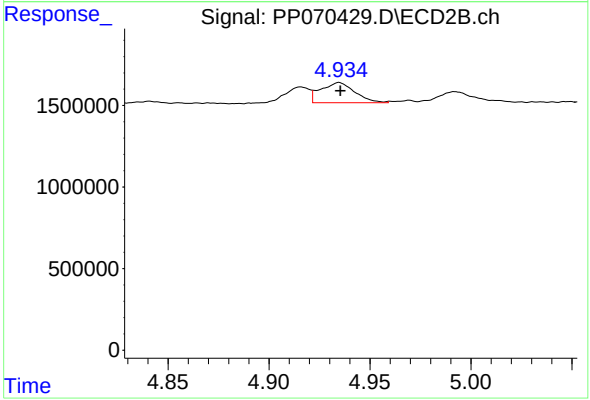
#11 AR-1232-1

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 1421614
Conc: 54.94 ng/ml m



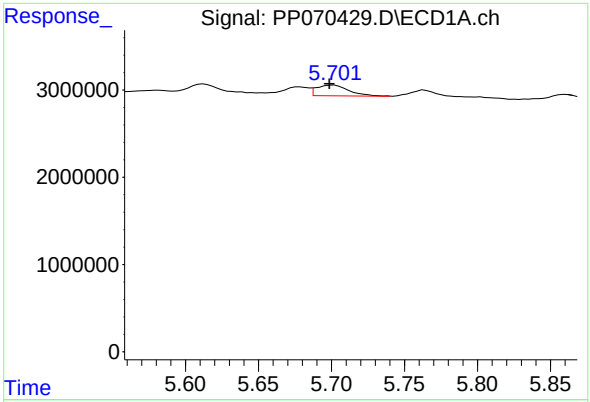
#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.002 min
Response: 781907
Conc: 44.15 ng/ml m



#12 AR-1232-2

R.T.: 4.934 min
Delta R.T.: -0.001 min
Response: 1431721
Conc: 56.86 ng/ml m



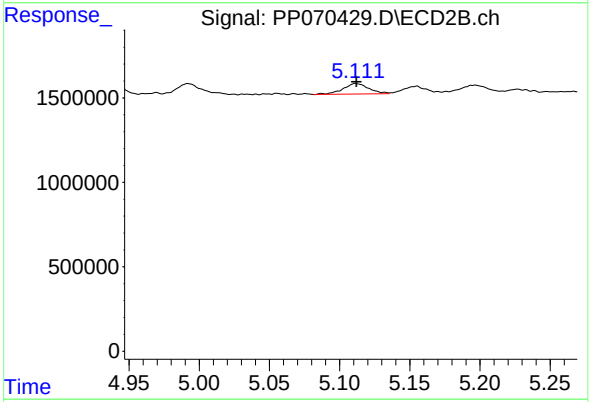
#13 AR-1232-3

R.T.: 5.701 min
Delta R.T.: 0.002 min
Response: 1856332
Conc: 49.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

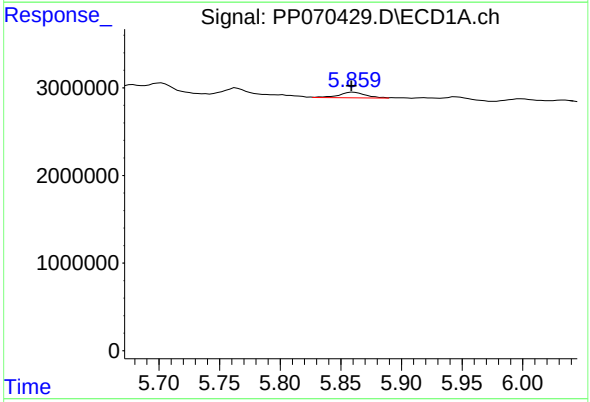
Manual Integrations APPROVED

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



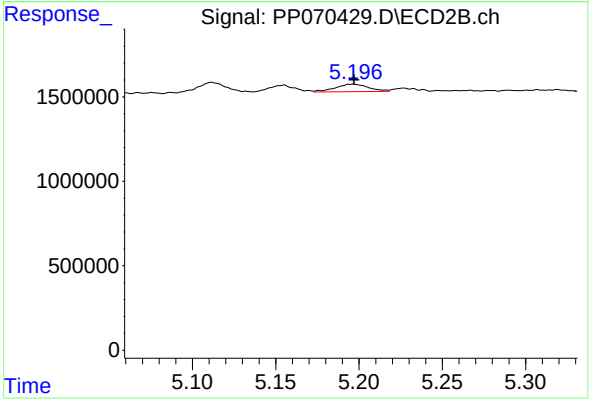
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 799405
Conc: 58.13 ng/ml



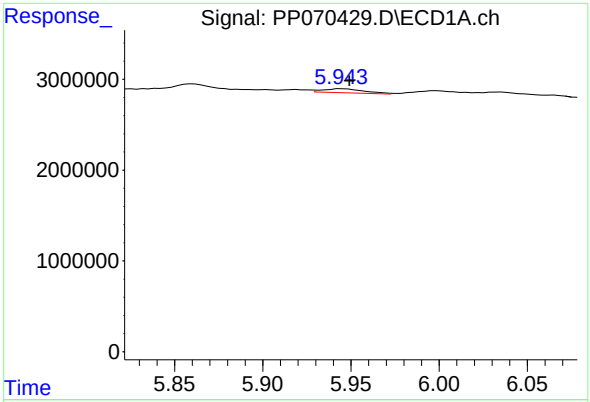
#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 1009484
Conc: 53.46 ng/ml m



#14 AR-1232-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 627440
Conc: 53.73 ng/ml



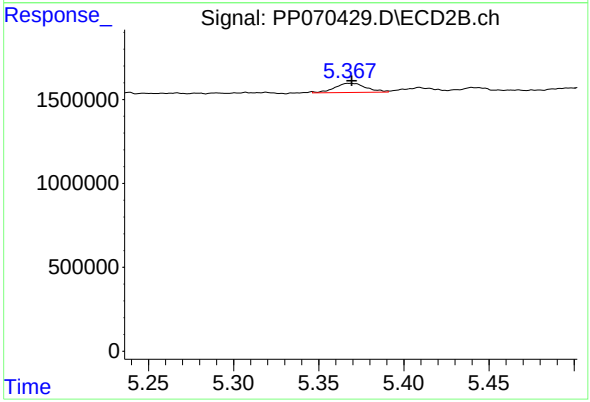
#15 AR-1232-5

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 707014
Conc: 52.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED

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



#15 AR-1232-5

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 698174
Conc: 53.49 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:12
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	148.4E6	94968124	93.437	94.952
2)	SA Decachlor...	10.252	8.881	101.7E6	89078022	92.579	87.447
	Target Compounds						
16)	L4 AR-1242-1	5.677	4.916	39253435	28374294	902.749	940.352
17)	L4 AR-1242-2	5.699	4.935	58252556	40120133	936.102	956.599
18)	L4 AR-1242-3	5.761	5.112	35362447	22172127	914.872	931.692
19)	L4 AR-1242-4	5.859	5.197	29479509	20777408	905.593	928.850
20)	L4 AR-1242-5	6.589	5.722	29991669	26011255	936.911	924.285

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

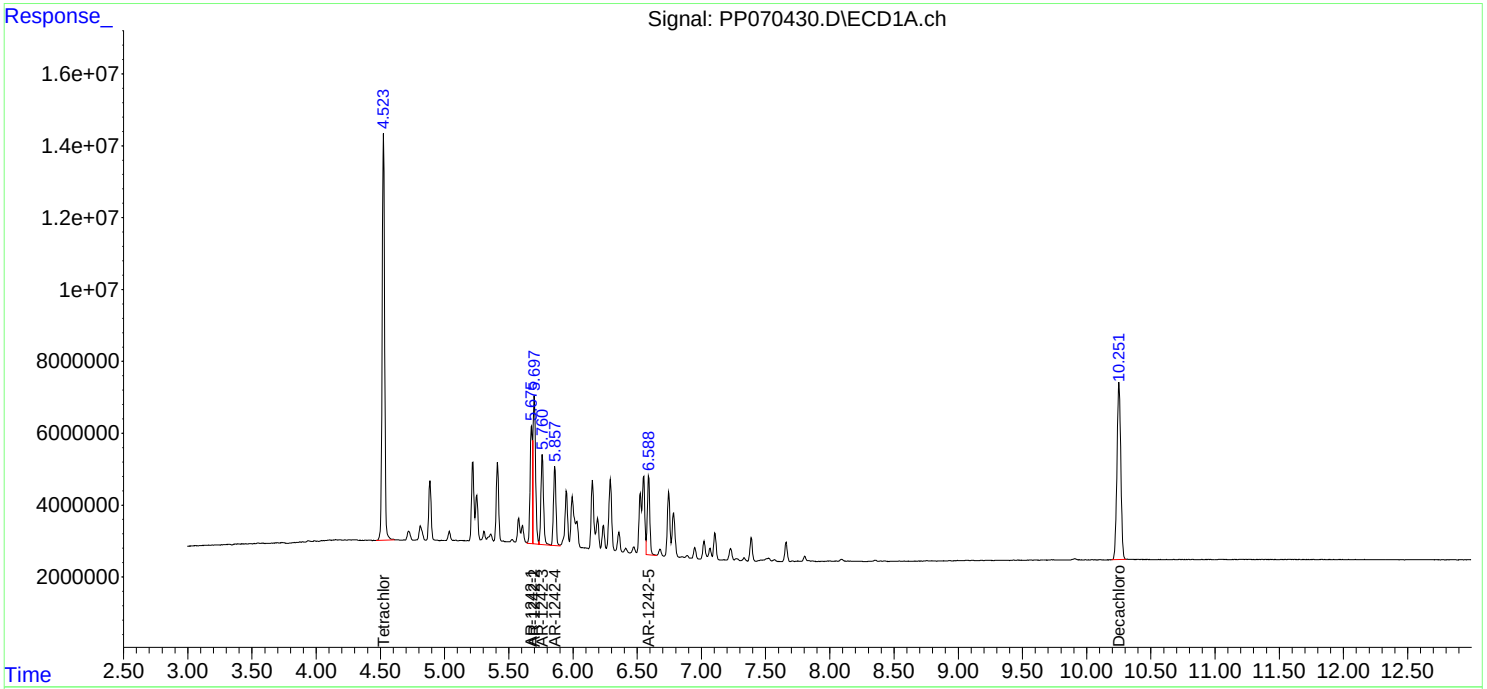
ICAL Form

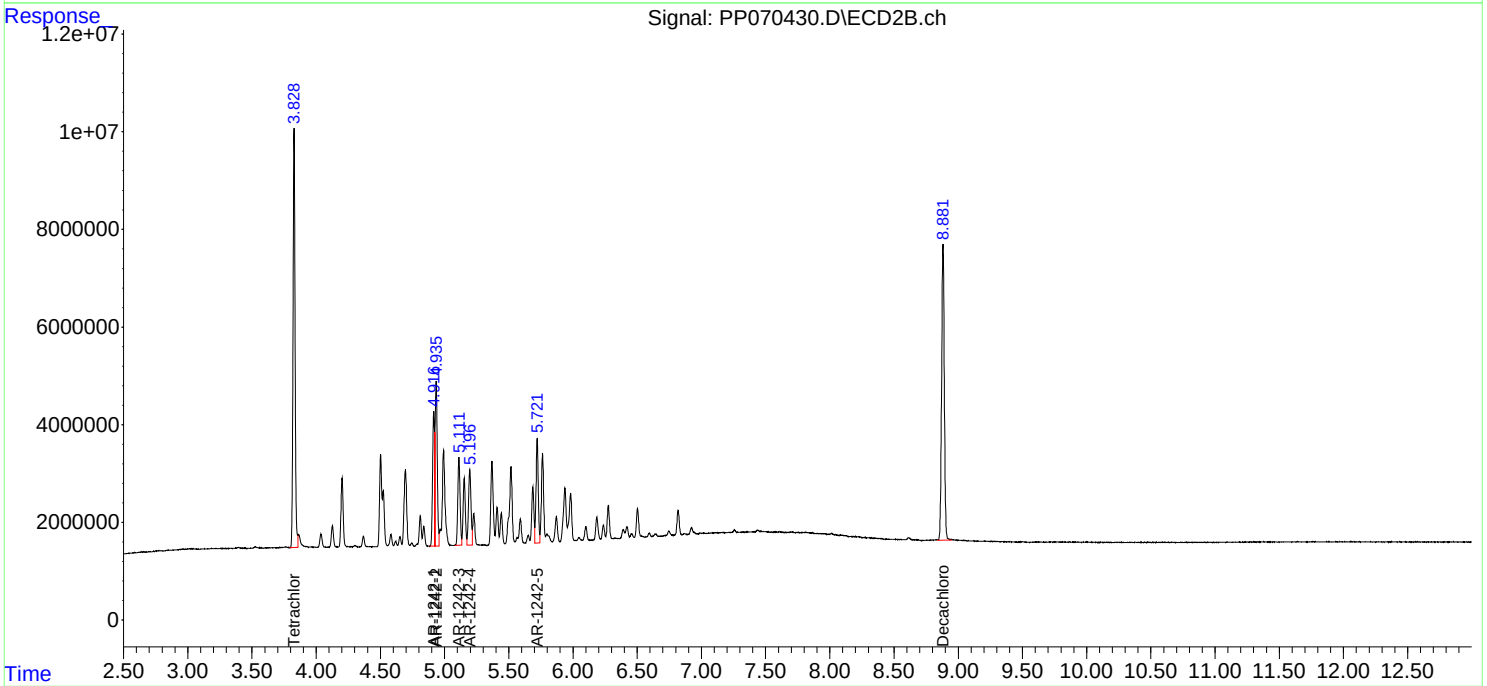
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:12
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

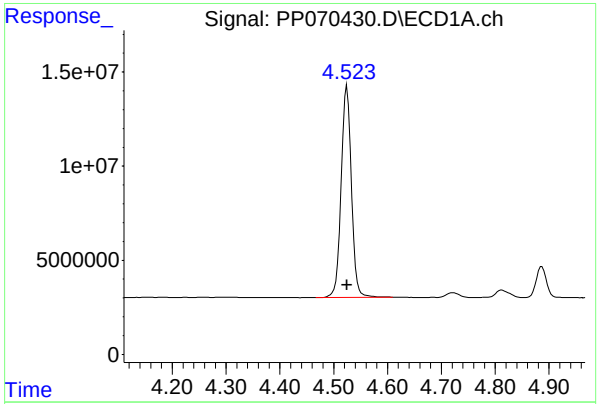
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



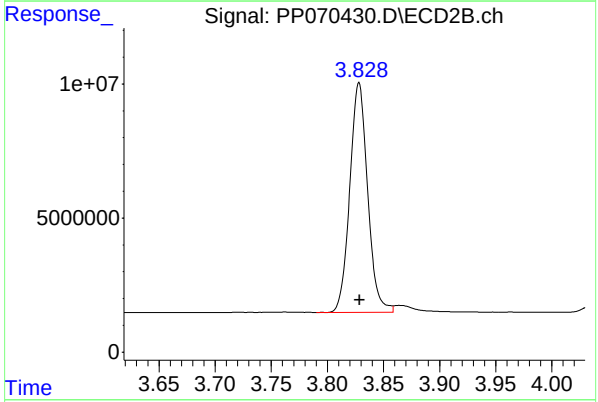




#1 Tetrachloro-m-xylene

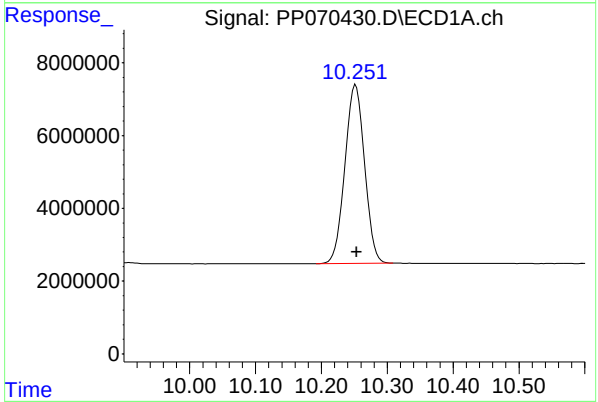
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 148350049
Conc: 93.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



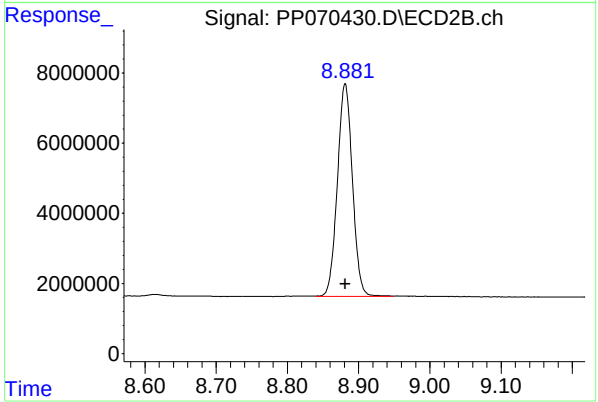
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 94968124
Conc: 94.95 ng/ml



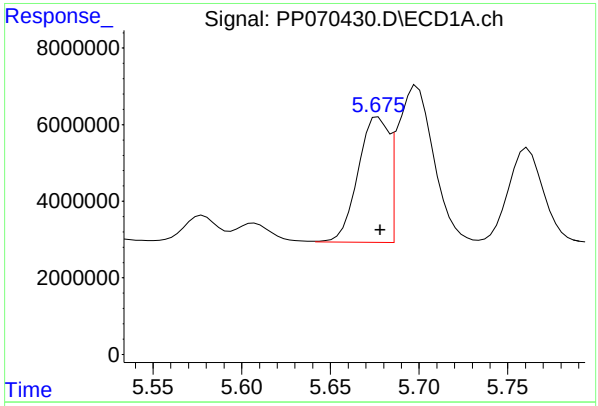
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.001 min
Response: 101714357
Conc: 92.58 ng/ml



#2 Decachlorobiphenyl

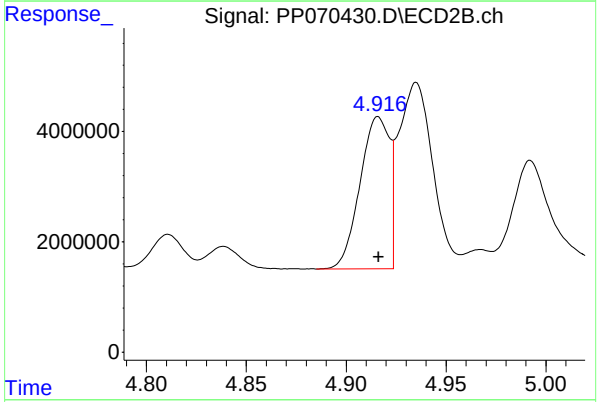
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 89078022
Conc: 87.45 ng/ml



#16 AR-1242-1

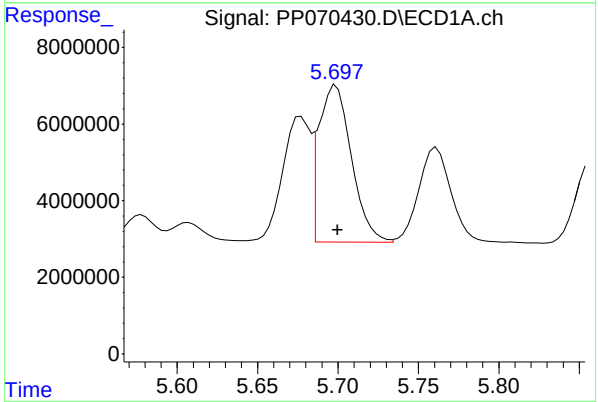
R.T.: 5.677 min
Delta R.T.: -0.001 min
Response: 39253435
Conc: 902.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



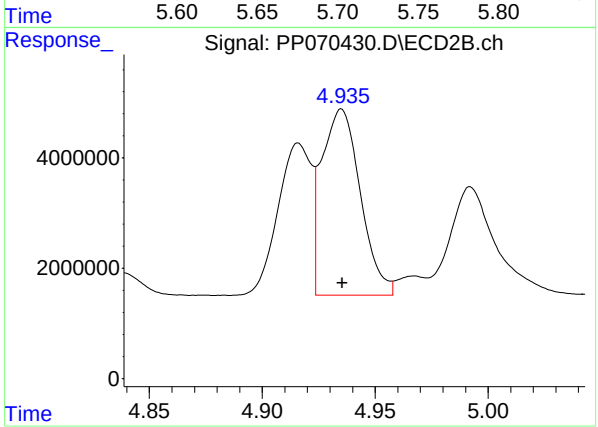
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 28374294
Conc: 940.35 ng/ml



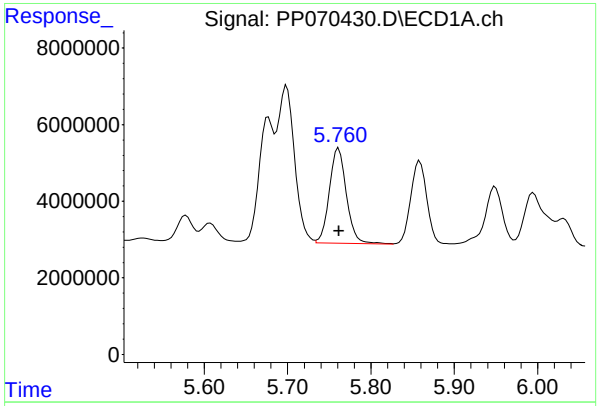
#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 58252556
Conc: 936.10 ng/ml



#17 AR-1242-2

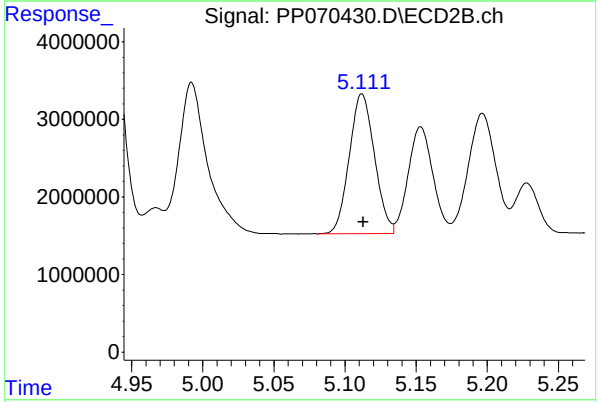
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 40120133
Conc: 956.60 ng/ml



#18 AR-1242-3

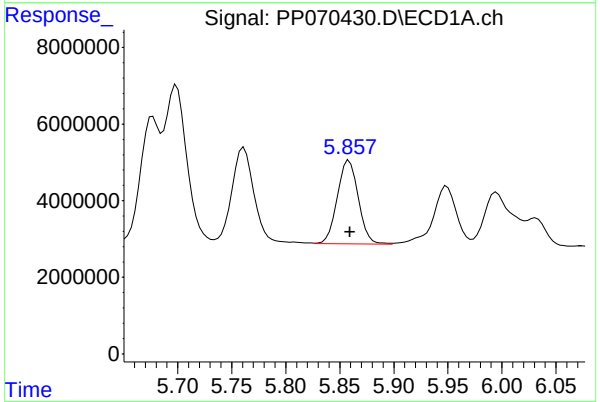
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 35362447
Conc: 914.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



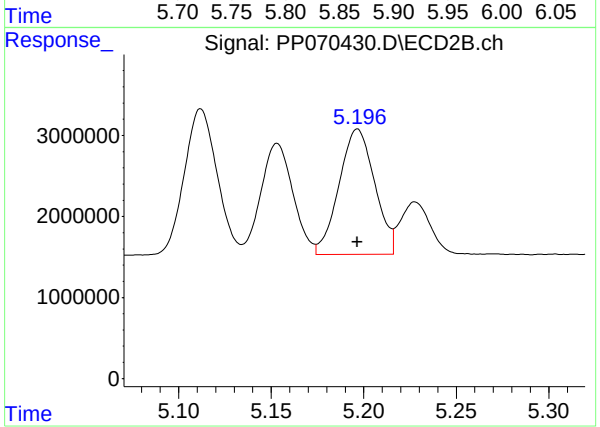
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 22172127
Conc: 931.69 ng/ml



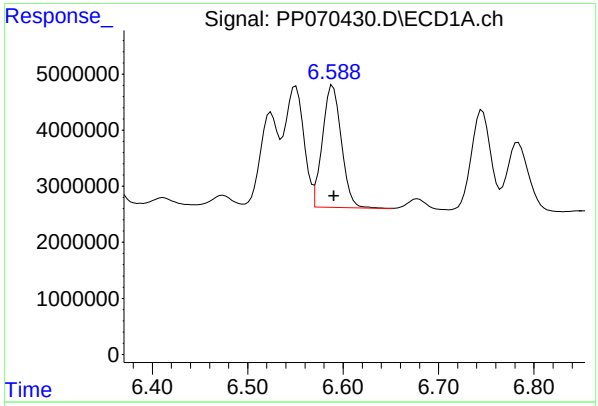
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 29479509
Conc: 905.59 ng/ml



#19 AR-1242-4

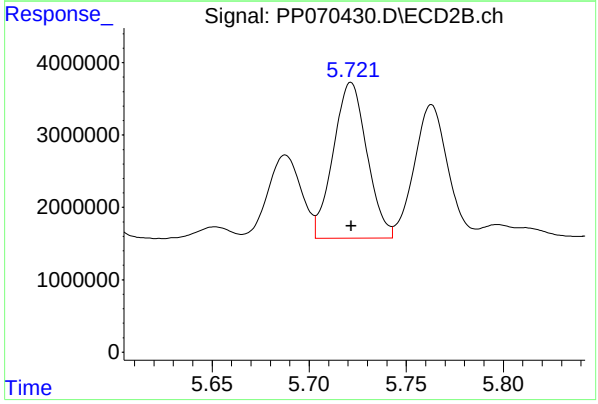
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 20777408
Conc: 928.85 ng/ml



#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 mi
Response: 29991669
Conc: 936.91 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 26011255
Conc: 924.28 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:28
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	115.4E6	72710939	72.677	72.698
2)	SA Decachlor...	10.252	8.880	79754897	74745771	72.592	73.377
	Target Compounds						
16)	L4 AR-1242-1	5.678	4.916	31278275	21743405	719.336	720.598
17)	L4 AR-1242-2	5.700	4.935	45085458	30497830	724.511	727.171
18)	L4 AR-1242-3	5.762	5.112	27285376	16877928	705.908	709.226
19)	L4 AR-1242-4	5.859	5.196	23125338	15945991	710.396	712.863
20)	L4 AR-1242-5	6.590	5.721	23553432	20212182	735.787	718.220

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

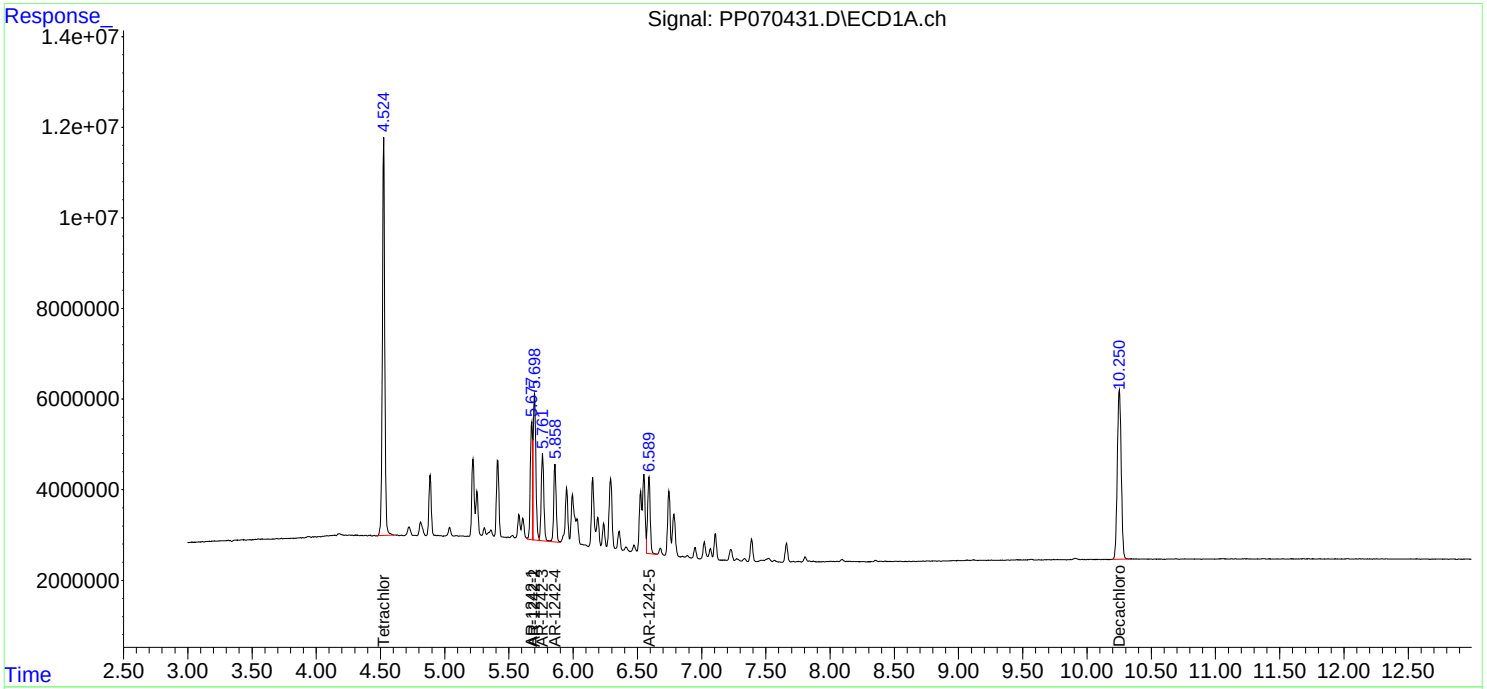
ICAL Form

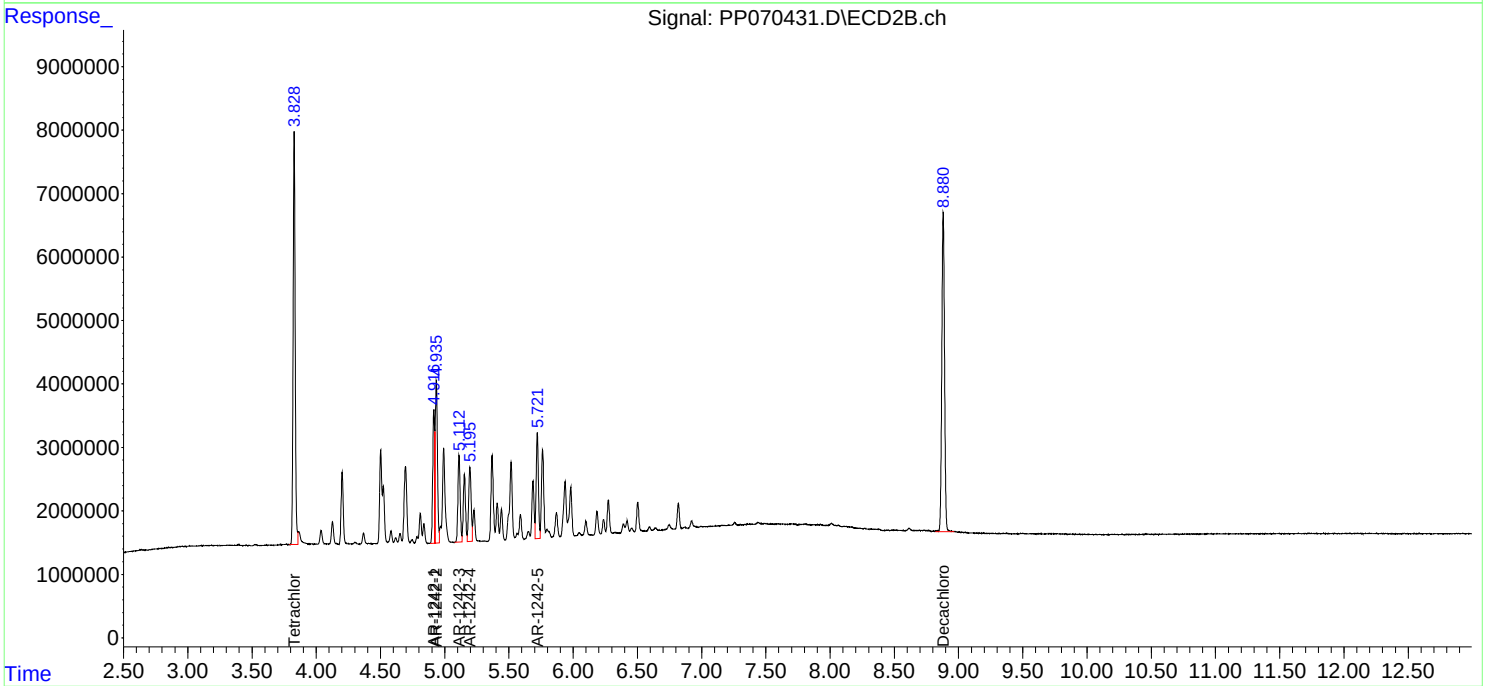
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:28
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

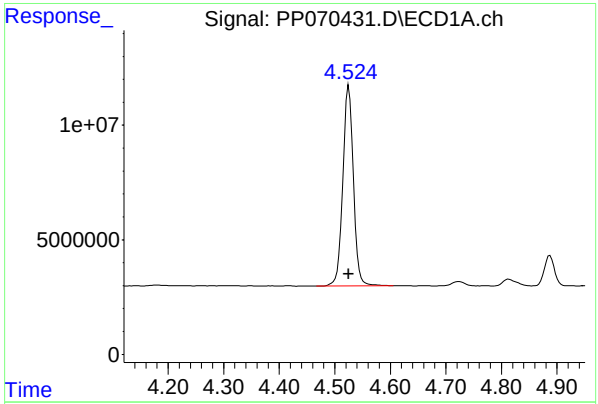
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



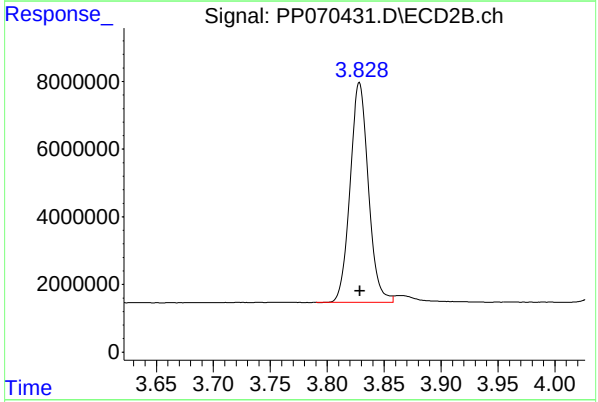




#1 Tetrachloro-m-xylene

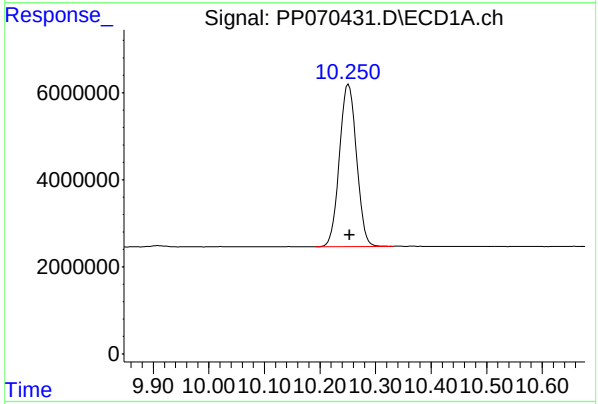
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 115389928
Conc: 72.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



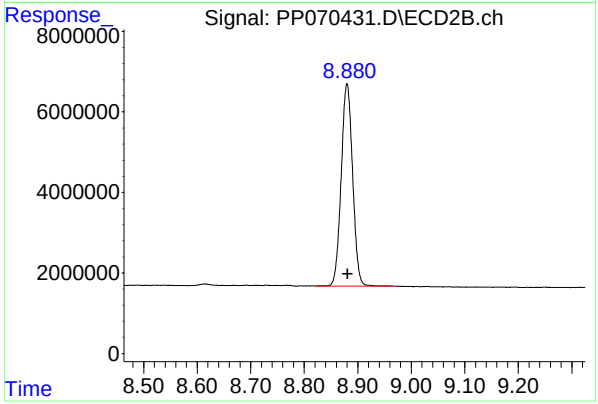
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 72710939
Conc: 72.70 ng/ml



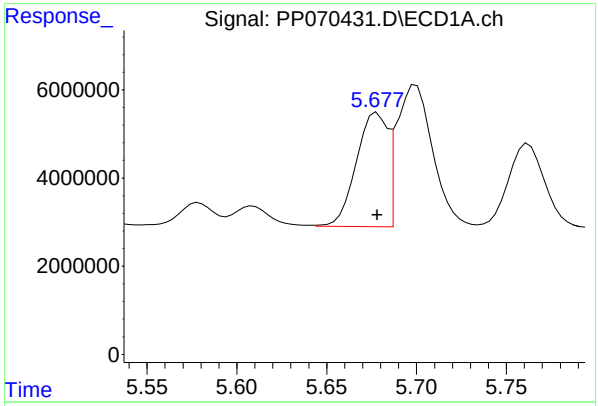
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.002 min
Response: 79754897
Conc: 72.59 ng/ml



#2 Decachlorobiphenyl

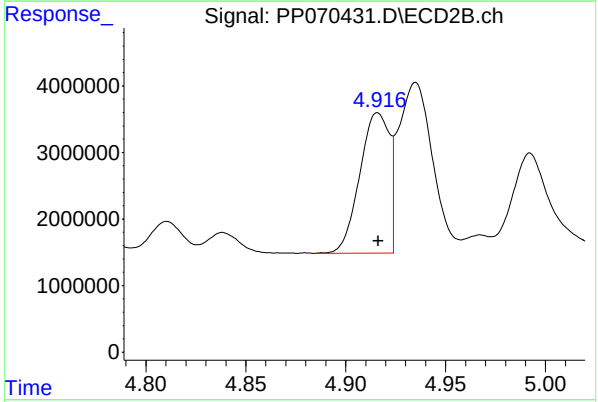
R.T.: 8.880 min
Delta R.T.: -0.001 min
Response: 74745771
Conc: 73.38 ng/ml



#16 AR-1242-1

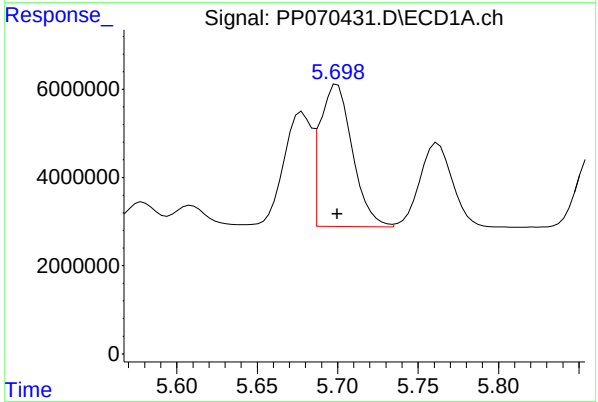
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 31278275
Conc: 719.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



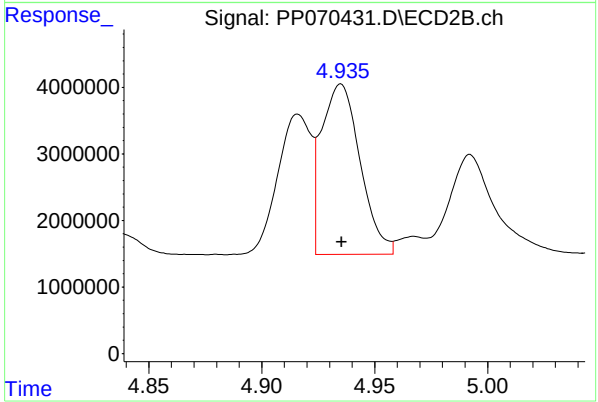
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 21743405
Conc: 720.60 ng/ml



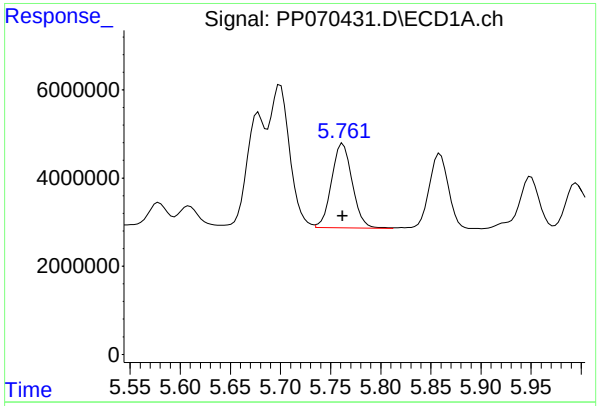
#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 45085458
Conc: 724.51 ng/ml



#17 AR-1242-2

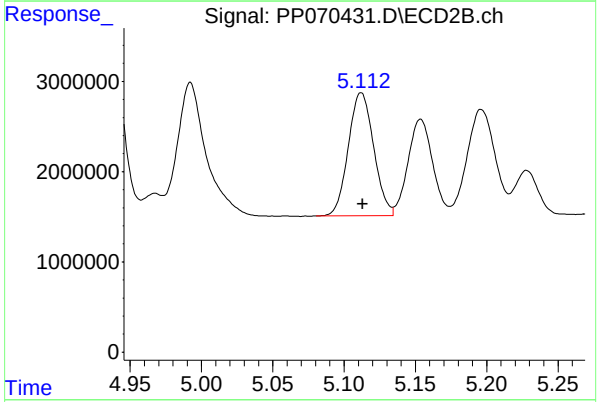
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 30497830
Conc: 727.17 ng/ml



#18 AR-1242-3

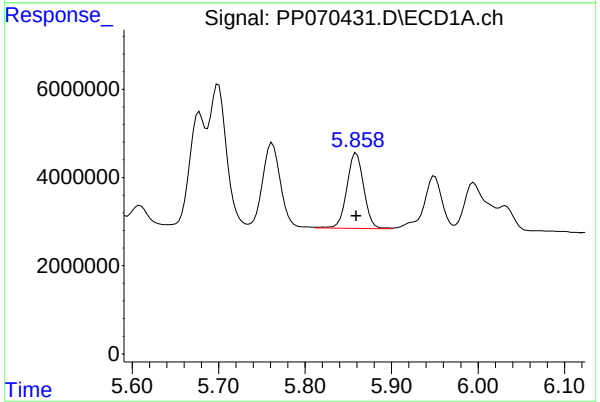
R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 27285376
Conc: 705.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



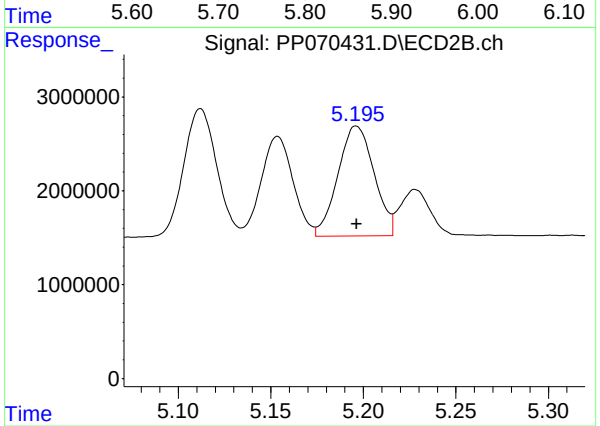
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 16877928
Conc: 709.23 ng/ml



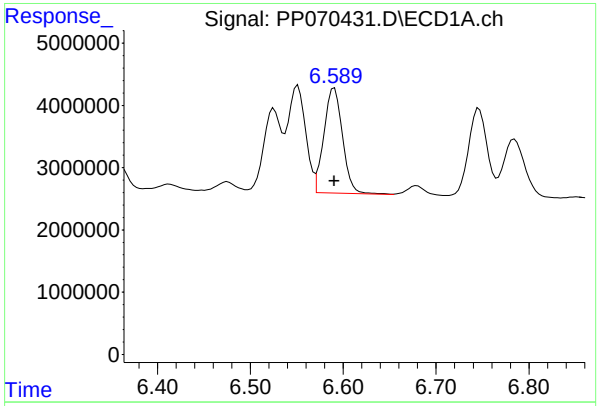
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23125338
Conc: 710.40 ng/ml



#19 AR-1242-4

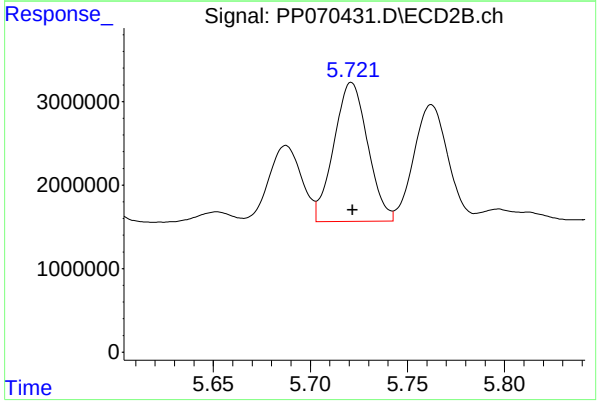
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 15945991
Conc: 712.86 ng/ml



#20 AR-1242-5

R.T.: 6.590 min
Delta R.T.: 0.000 mi
Response: 23553432
Conc: 735.79 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 20212182
Conc: 718.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:45
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.829	79385142	50008599	50.000	50.000
2)	SA Decachlor...	10.253	8.881	54933901	50932459	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.678	4.916	21741066	15087052	500.000	500.000
17)	L4 AR-1242-2	5.700	4.935	31114422	20970194	500.000	500.000
18)	L4 AR-1242-3	5.762	5.113	19326447	11898844	500.000	500.000
19)	L4 AR-1242-4	5.859	5.196	16276361	11184477	500.000	500.000
20)	L4 AR-1242-5	6.590	5.722	16005604	14071017	500.000	500.000

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

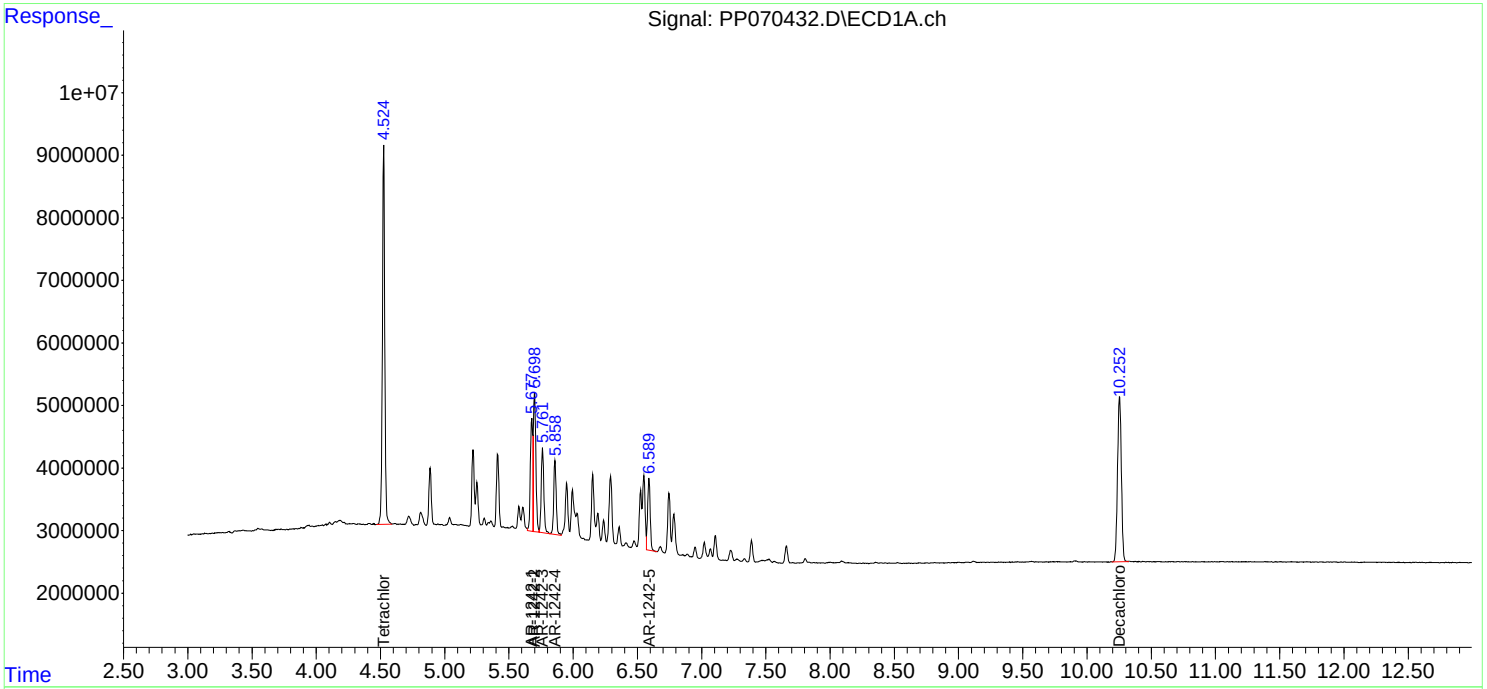
ICAL Form

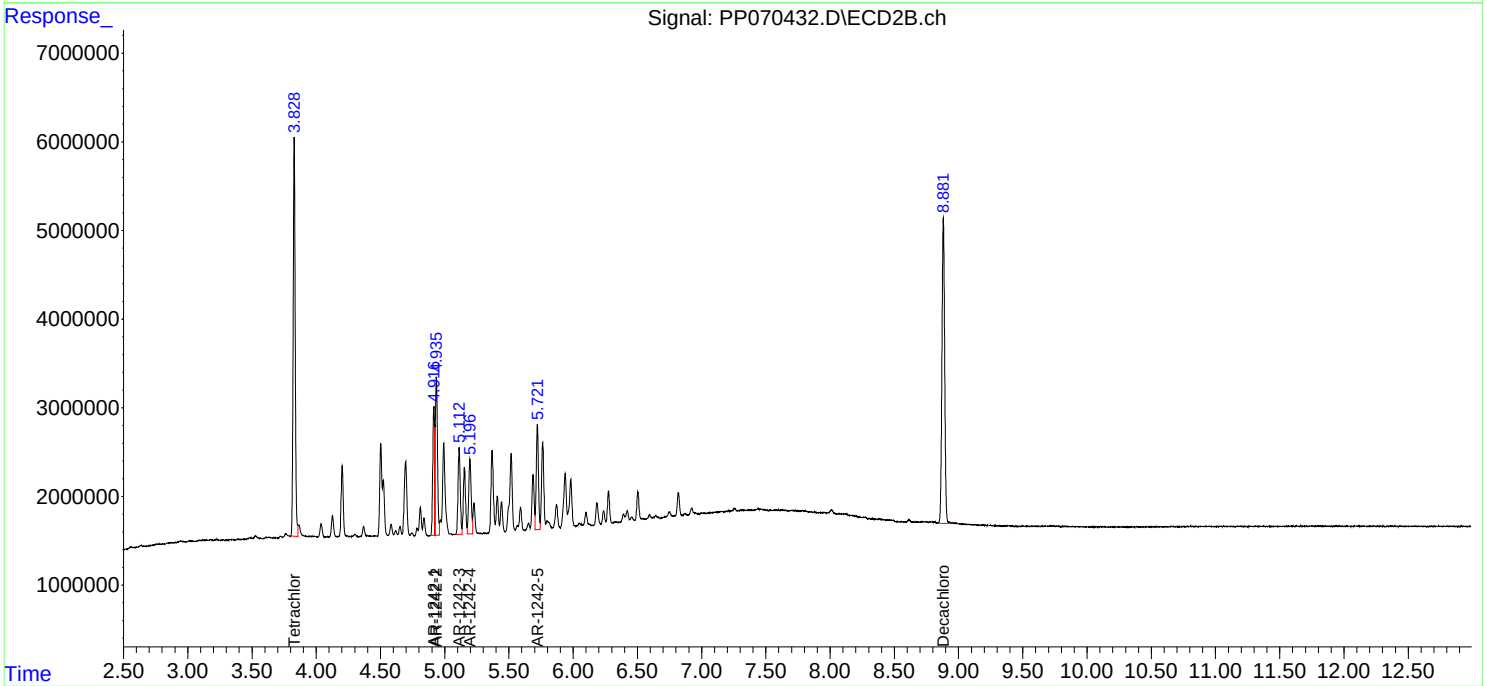
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:45
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

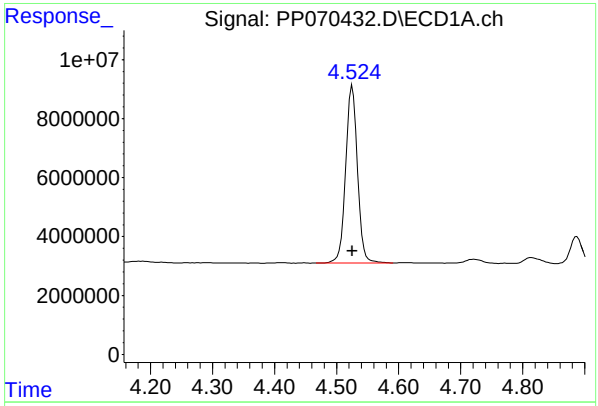
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



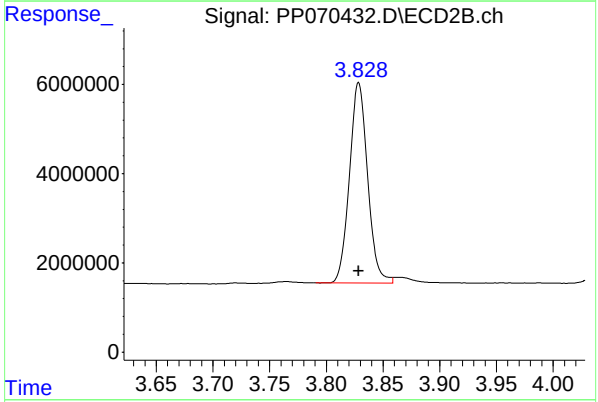




#1 Tetrachloro-m-xylene

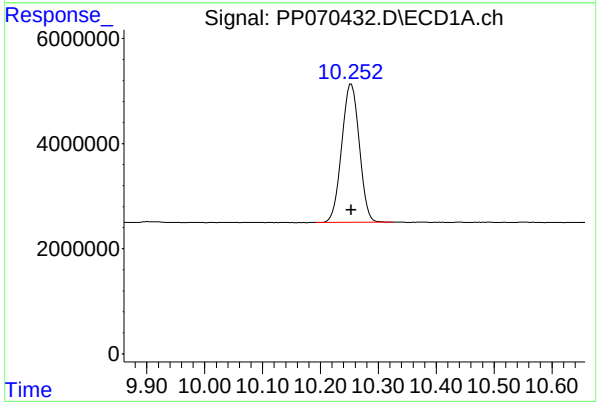
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 79385142
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



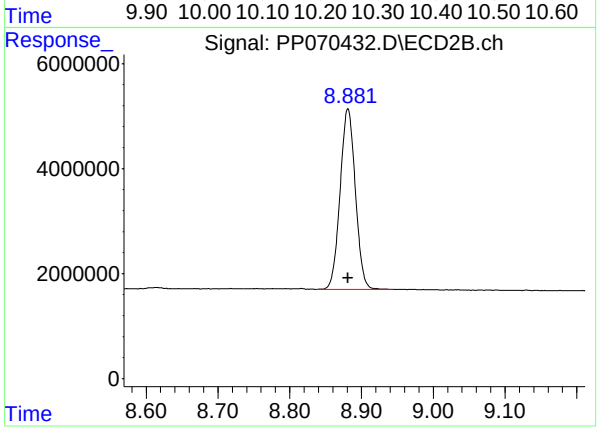
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 50008599
Conc: 50.00 ng/ml



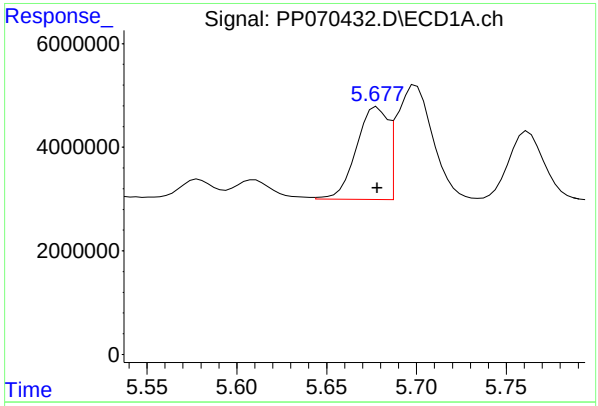
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 54933901
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

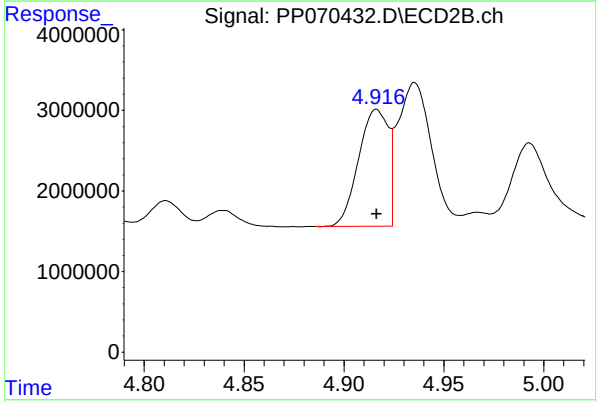
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 50932459
Conc: 50.00 ng/ml



#16 AR-1242-1

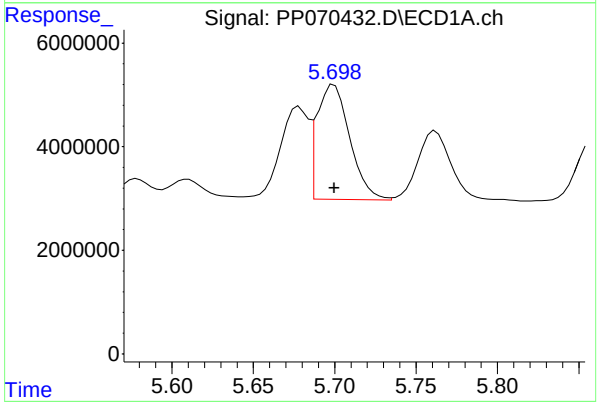
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 21741066
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



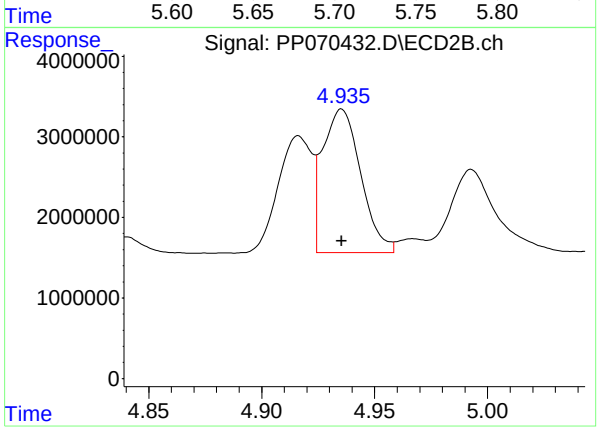
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 15087052
Conc: 500.00 ng/ml



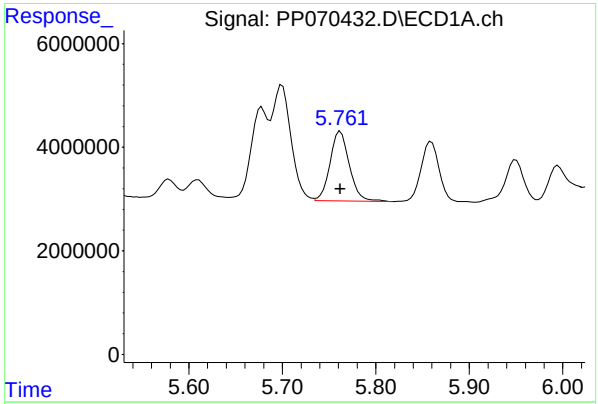
#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 31114422
Conc: 500.00 ng/ml



#17 AR-1242-2

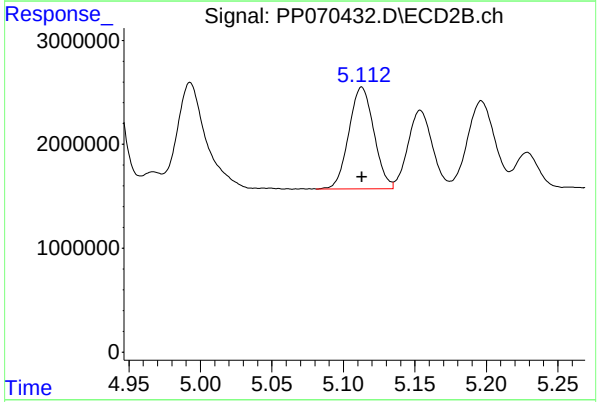
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 20970194
Conc: 500.00 ng/ml



#18 AR-1242-3

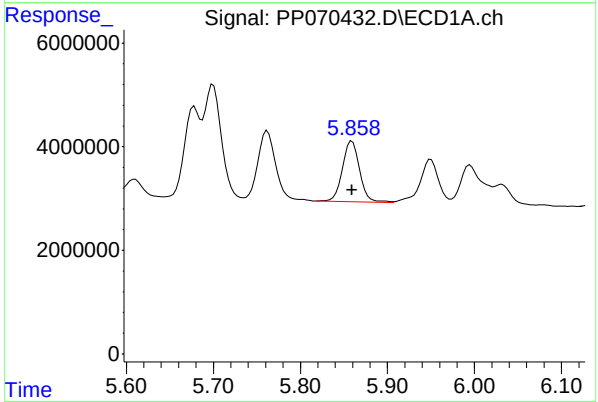
R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19326447
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



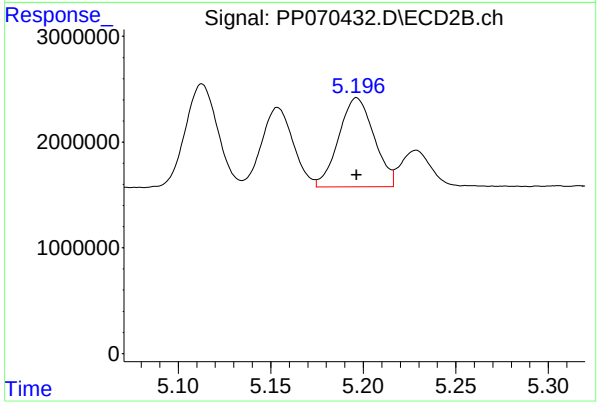
#18 AR-1242-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 11898844
Conc: 500.00 ng/ml



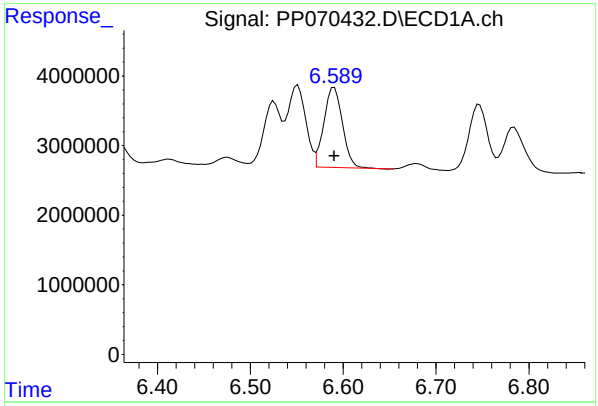
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 16276361
Conc: 500.00 ng/ml



#19 AR-1242-4

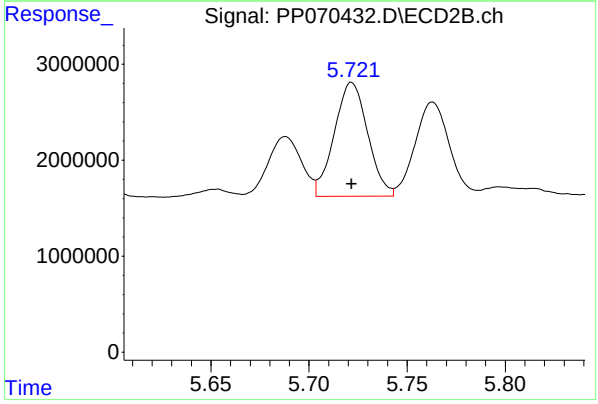
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 11184477
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.590 min
Delta R.T.: 0.000 min
Response: 16005604
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 14071017
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:01
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.828	41377010	26035193	26.061	26.031
2)	SA Decachlor...	10.252	8.882	28665426	26753118	26.091	26.263
	Target Compounds						
16)	L4 AR-1242-1	5.677	4.916	11964118	8132112	275.150	269.506
17)	L4 AR-1242-2	5.699	4.935	16512640	11403170	265.353	271.890
18)	L4 AR-1242-3	5.761	5.112	10411351	6390296	269.355	268.526
19)	L4 AR-1242-4	5.858	5.197	8770541	5985325	269.426	267.573
20)	L4 AR-1242-5	6.589	5.721	8174876	7415218	255.375	263.493

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

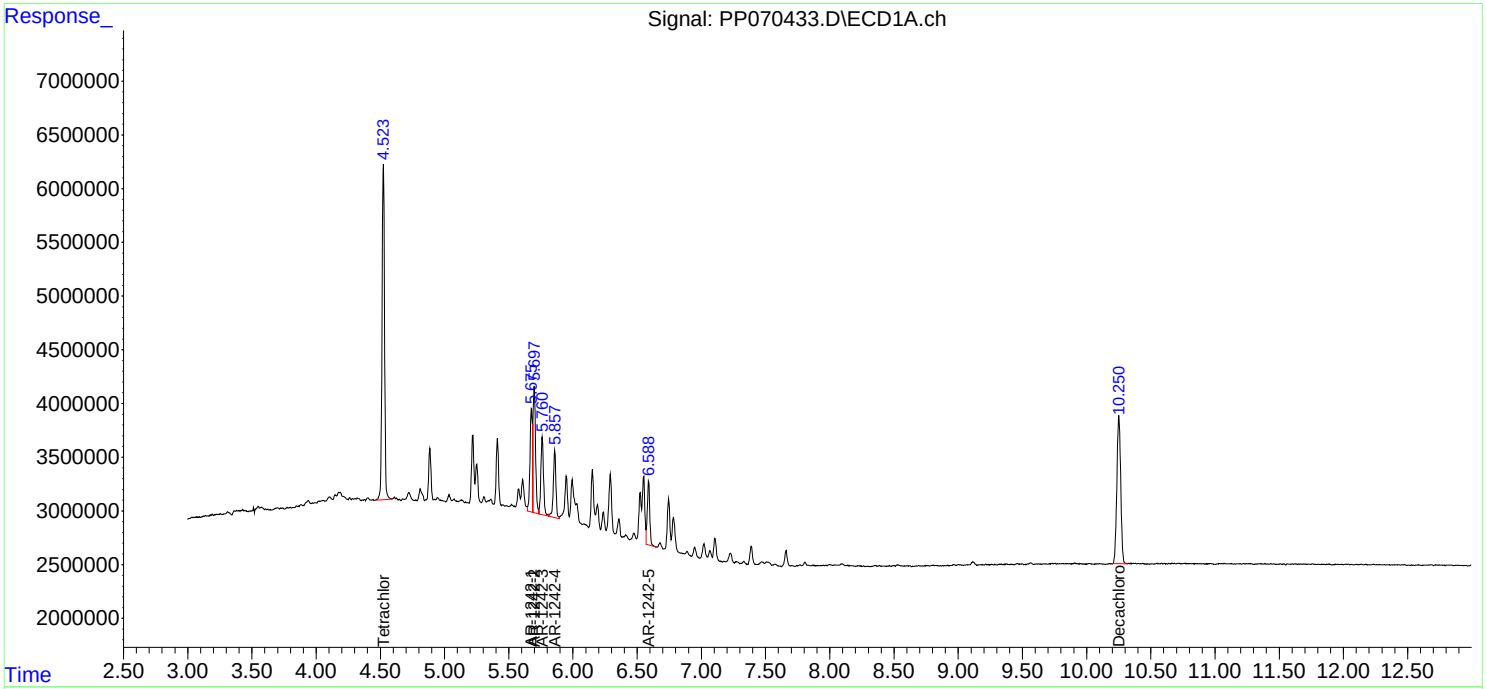
ICAL Form

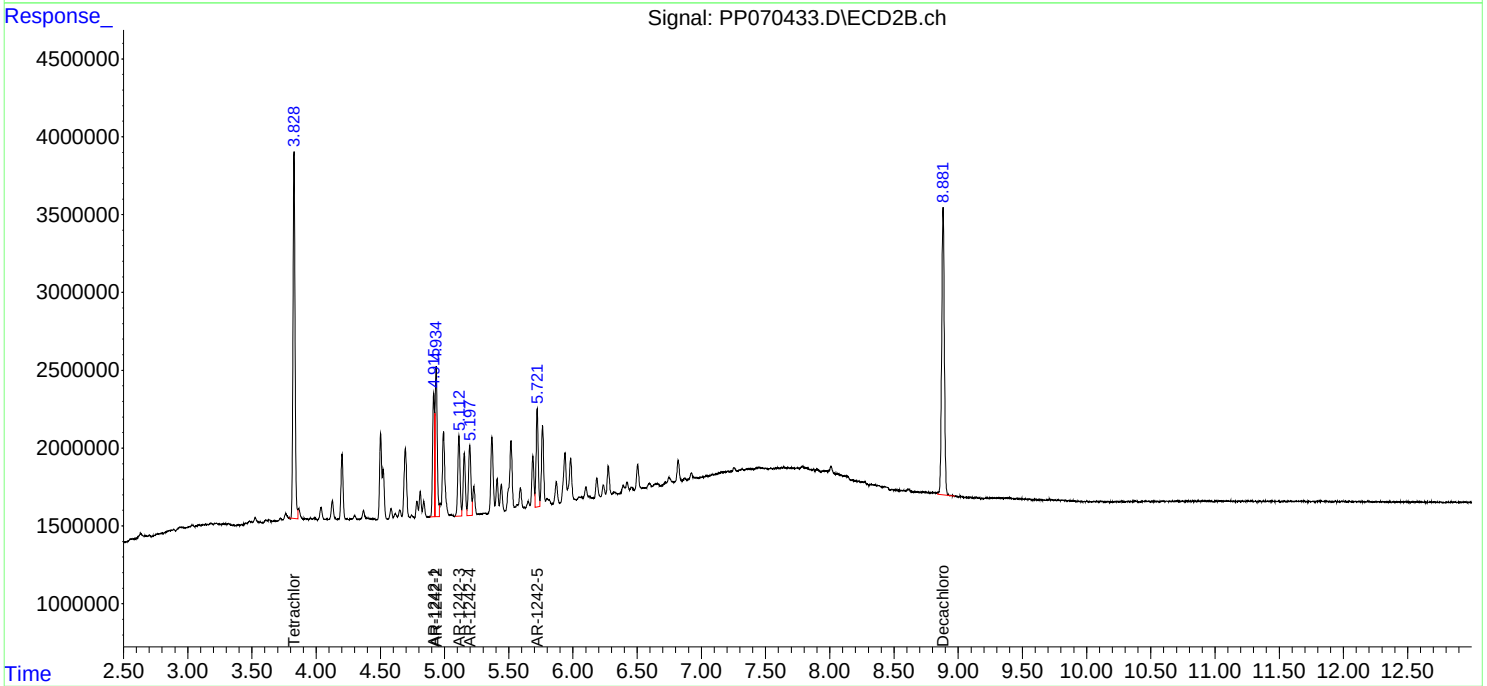
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:01
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

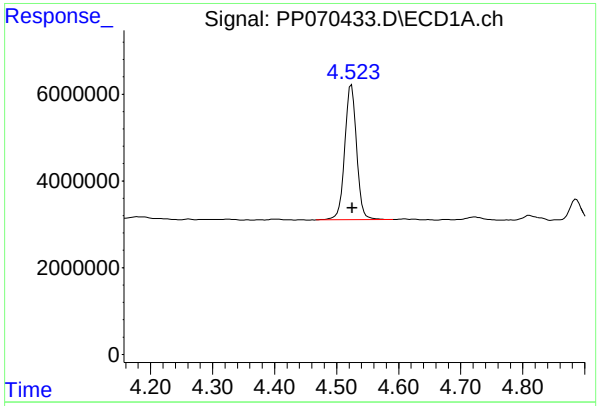
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



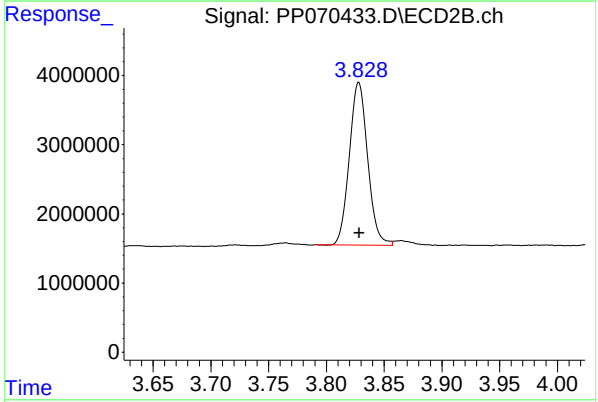




#1 Tetrachloro-m-xylene

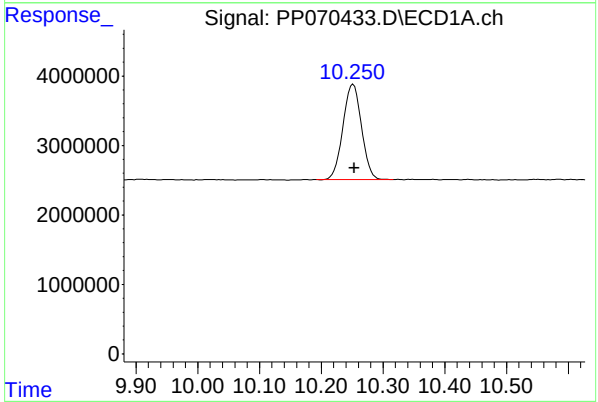
R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 41377010
Conc: 26.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



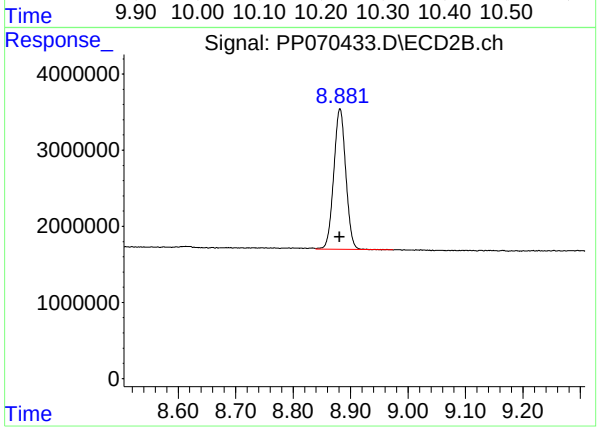
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26035193
Conc: 26.03 ng/ml



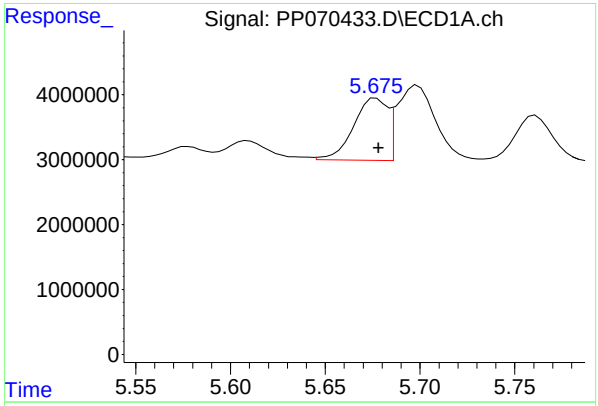
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.002 min
Response: 28665426
Conc: 26.09 ng/ml



#2 Decachlorobiphenyl

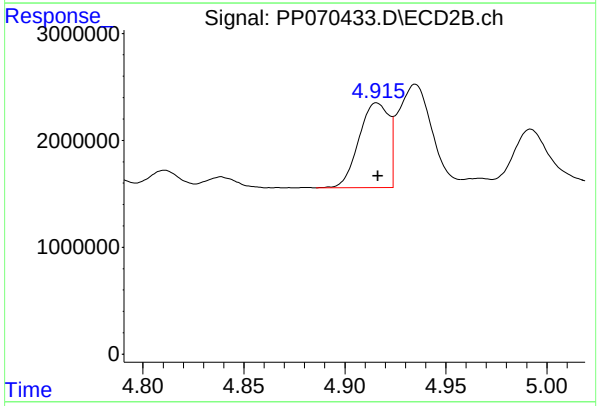
R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 26753118
Conc: 26.26 ng/ml



#16 AR-1242-1

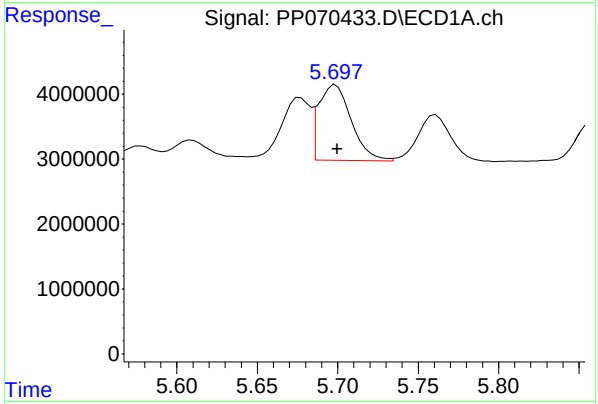
R.T.: 5.677 min
Delta R.T.: -0.001 min
Response: 11964118
Conc: 275.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



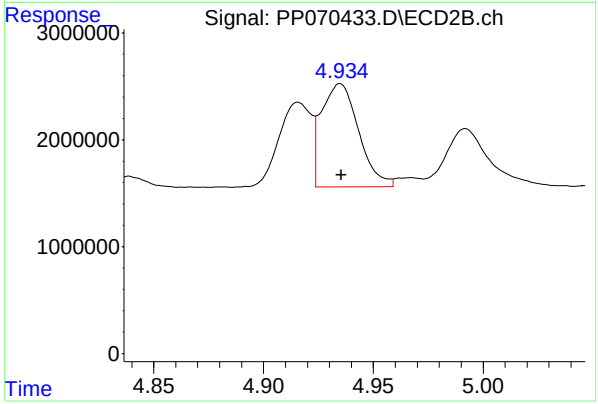
#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 8132112
Conc: 269.51 ng/ml



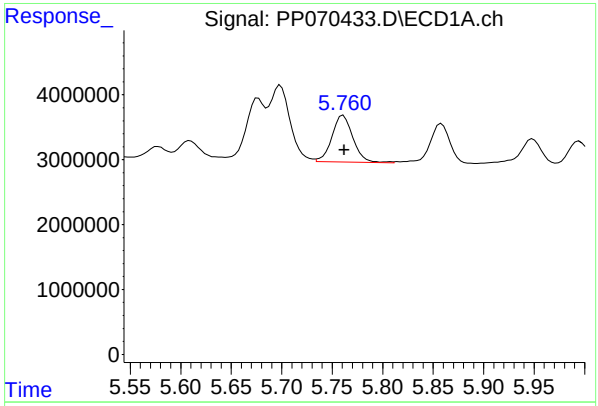
#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 16512640
Conc: 265.35 ng/ml



#17 AR-1242-2

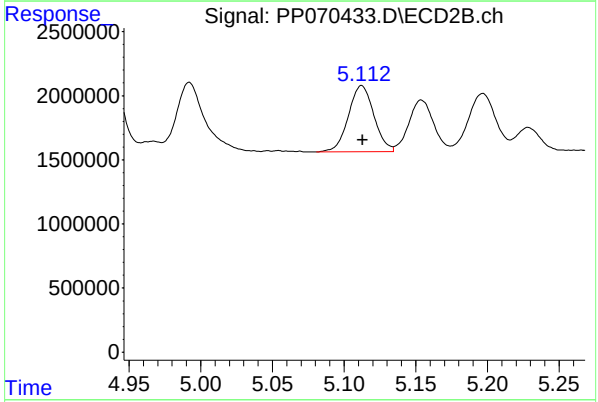
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 11403170
Conc: 271.89 ng/ml



#18 AR-1242-3

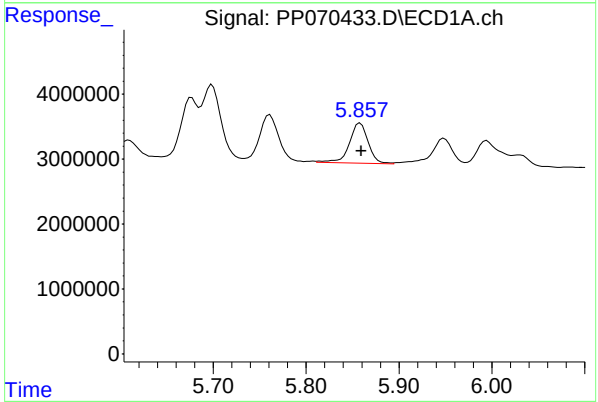
R.T.: 5.761 min
Delta R.T.: -0.001 min
Response: 10411351
Conc: 269.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



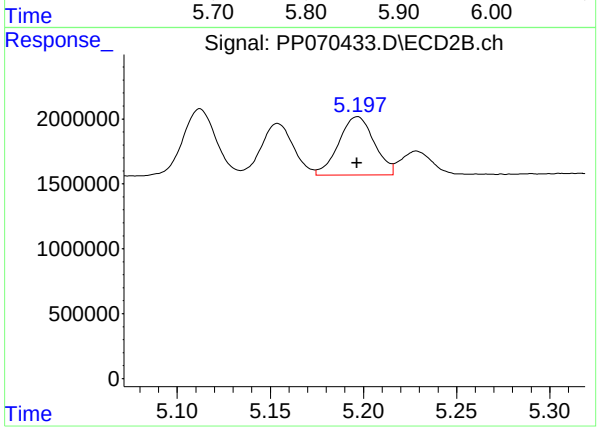
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6390296
Conc: 268.53 ng/ml



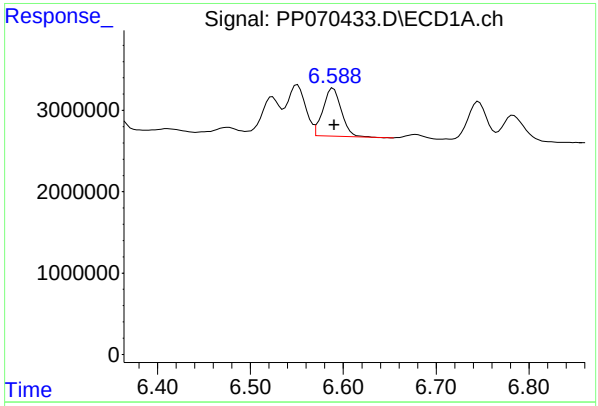
#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.001 min
Response: 8770541
Conc: 269.43 ng/ml



#19 AR-1242-4

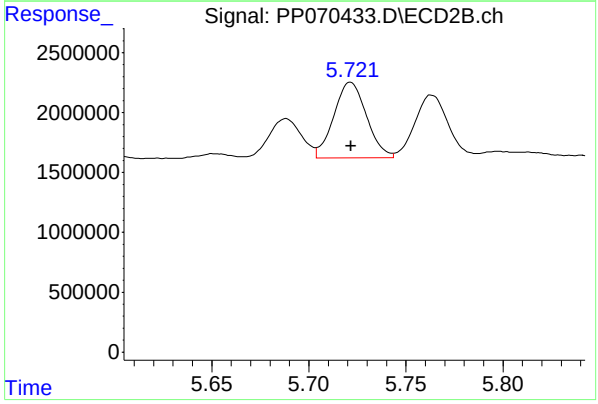
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 5985325
Conc: 267.57 ng/ml



#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 min
Response: 8174876
Conc: 255.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 7415218
Conc: 263.49 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:17
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	7892451	5217010	4.971	5.216
2)	SA Decachlor...	10.251	8.880	5096068	5757436	4.638	5.652
	Target Compounds						
16)	L4 AR-1242-1	5.675	4.915	2497316	1649451	57.433m	54.664m
17)	L4 AR-1242-2	5.698	4.933	3012916	2482544	48.417m	59.192m
18)	L4 AR-1242-3	5.760	5.112	1673238	1256336	43.289m	52.792
19)	L4 AR-1242-4	5.858	5.196	1635861	1093177	50.253m	48.870
20)	L4 AR-1242-5	6.589	5.721	1456532	1442093	45.501	51.243

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:17
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

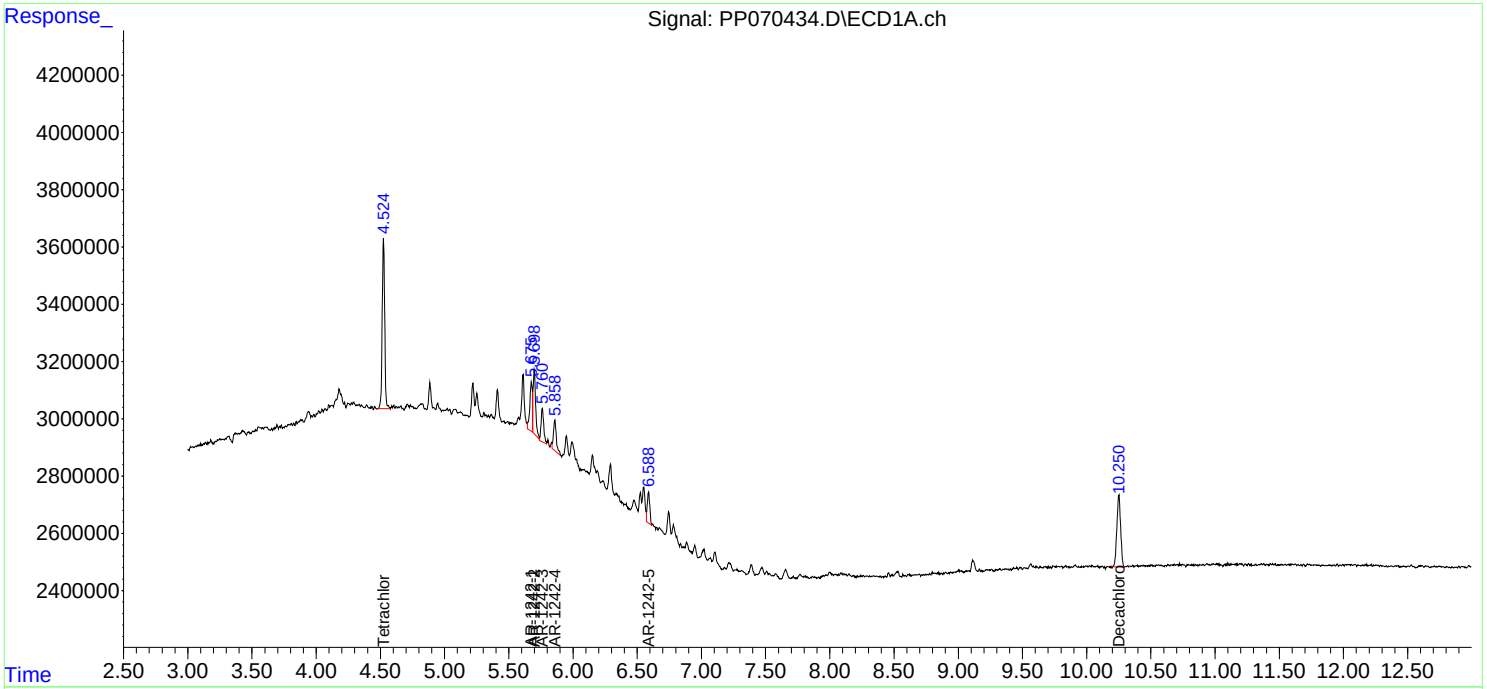
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

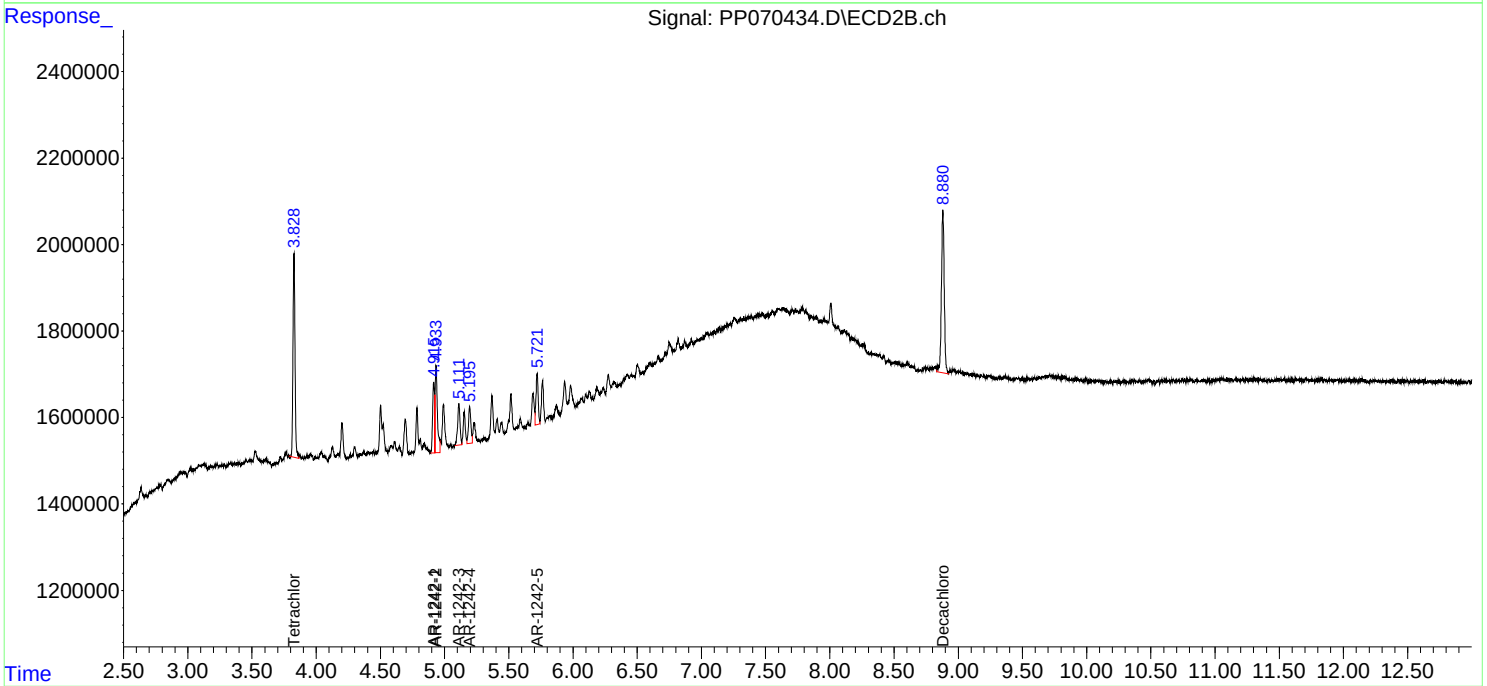
Manual Integrations APPROVED

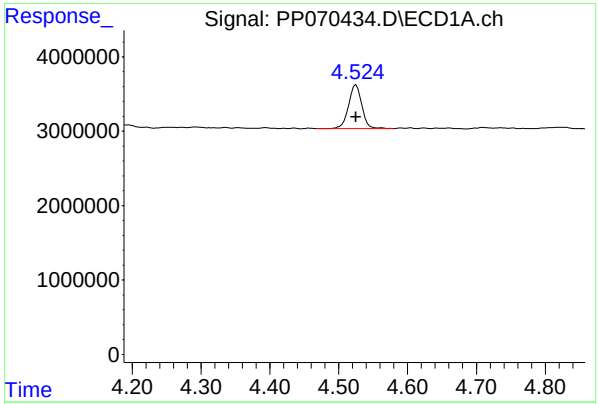
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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







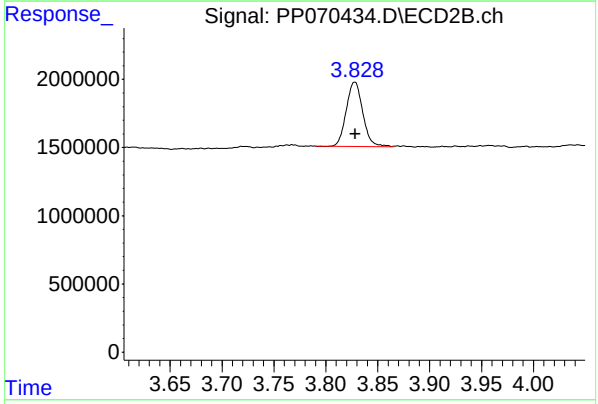
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 7892451
Conc: 4.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

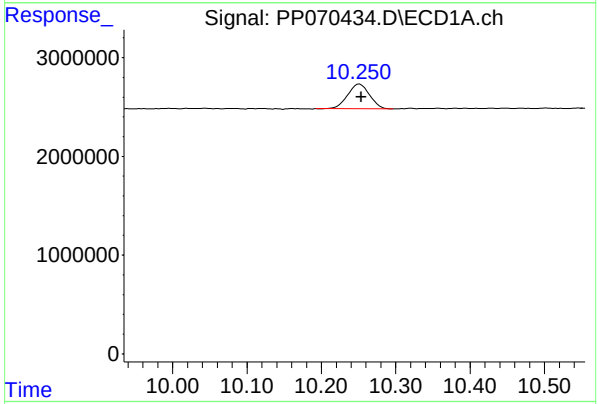
Manual Integrations APPROVED

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



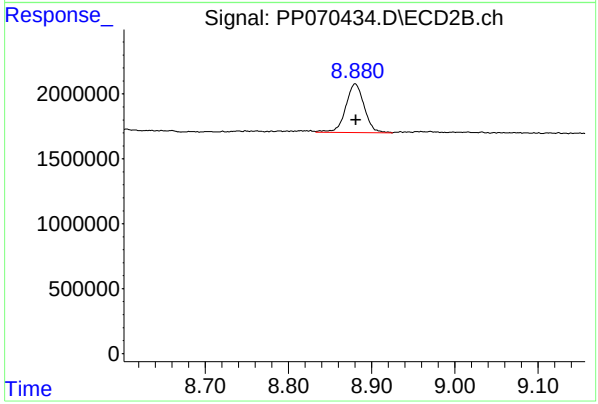
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5217010
Conc: 5.22 ng/ml



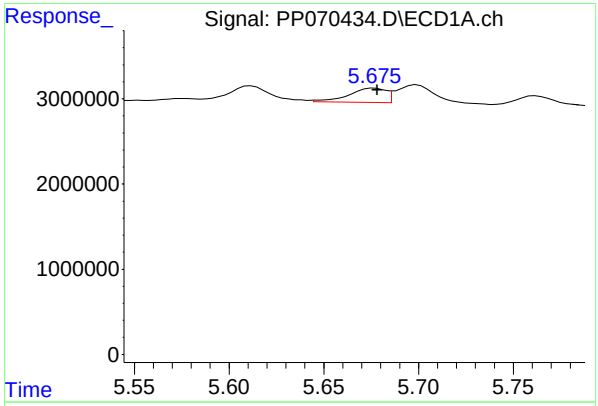
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 5096068
Conc: 4.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 5757436
Conc: 5.65 ng/ml



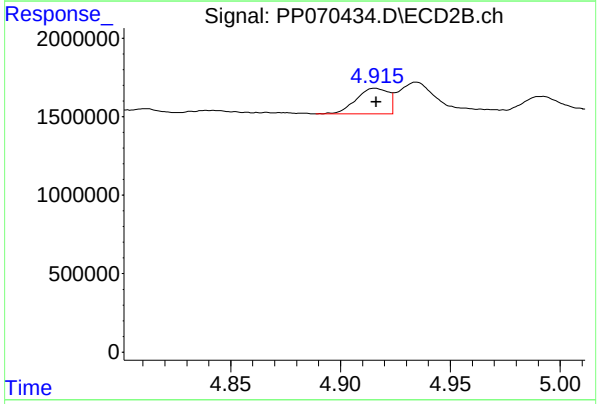
#16 AR-1242-1

R.T.: 5.675 min
Delta R.T.: -0.003 mi
Response: 2497316
Conc: 57.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

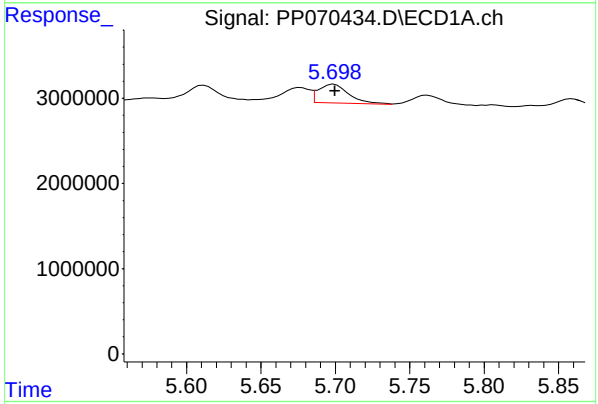
Manual Integrations APPROVED

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



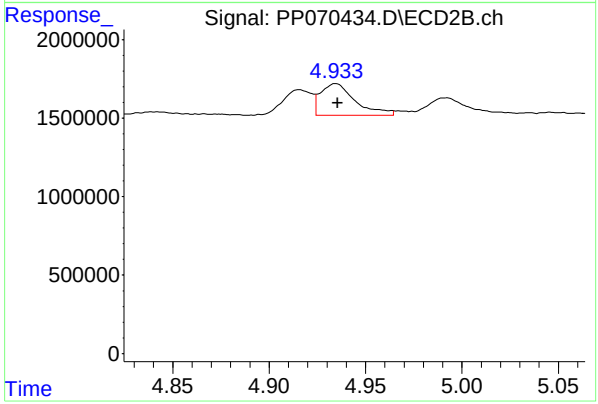
#16 AR-1242-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 1649451
Conc: 54.66 ng/ml m



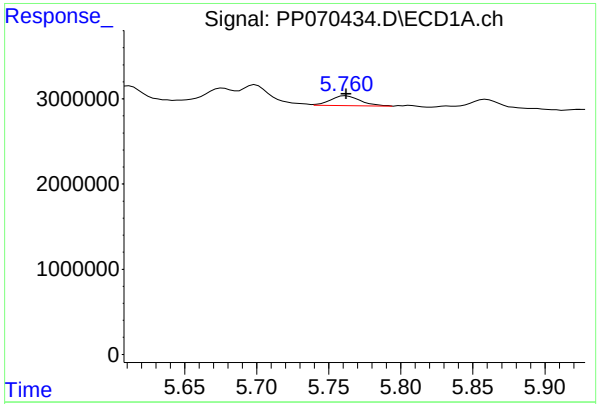
#17 AR-1242-2

R.T.: 5.698 min
Delta R.T.: -0.002 min
Response: 3012916
Conc: 48.42 ng/ml m



#17 AR-1242-2

R.T.: 4.933 min
Delta R.T.: -0.002 min
Response: 2482544
Conc: 59.19 ng/ml m



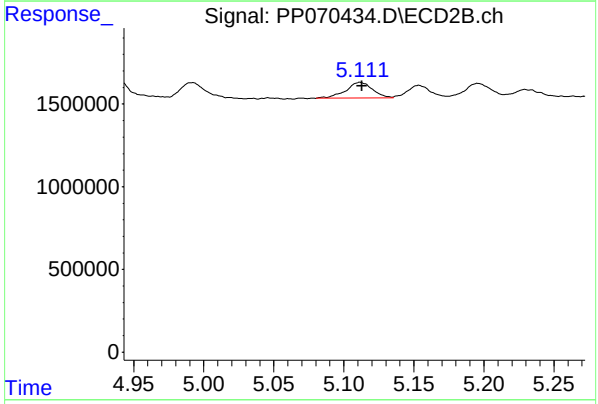
#18 AR-1242-3

R.T.: 5.760 min
Delta R.T.: -0.002 mi
Response: 1673238
Conc: 43.29 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

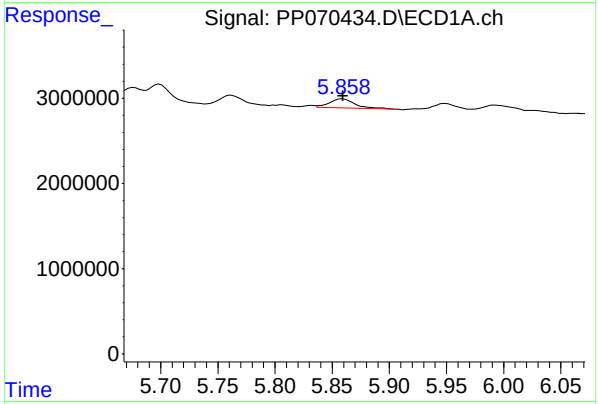
Manual Integrations APPROVED

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



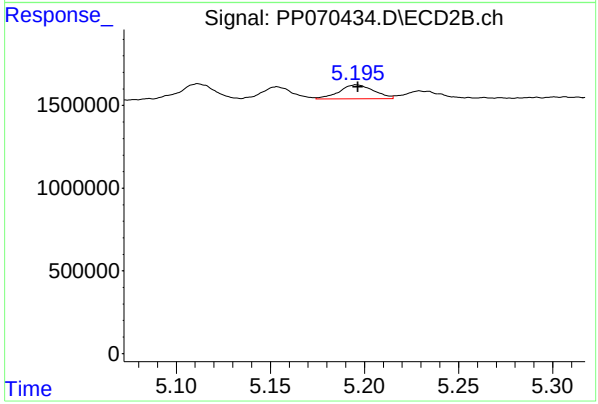
#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: -0.001 min
Response: 1256336
Conc: 52.79 ng/ml



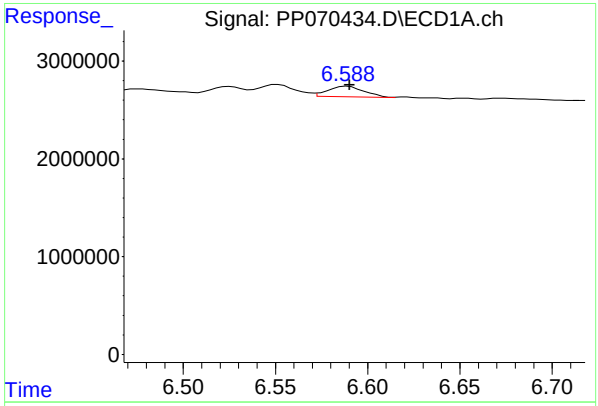
#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.002 min
Response: 1635861
Conc: 50.25 ng/ml m



#19 AR-1242-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 1093177
Conc: 48.87 ng/ml



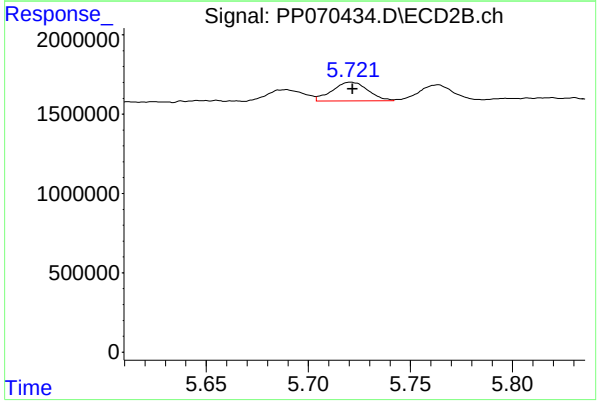
#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 min
Response: 1456532
Conc: 45.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

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



#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 1442093
Conc: 51.24 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:34
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	146.4E6	94860764	91.920	91.940
2)	SA Decachlor...	10.253	8.881	101.9E6	93329063	91.773	93.312
	Target Compounds						
21)	L5 AR-1248-1	5.677	4.916	30241509	21916865	879.841	907.978
22)	L5 AR-1248-2	5.949	5.154	39839483	28154371	903.943	890.825
23)	L5 AR-1248-3	6.152	5.196	43671743	29522180	923.824	895.847
24)	L5 AR-1248-4	6.551	5.369	52673121	34974296	915.297	909.809
25)	L5 AR-1248-5	6.590	5.763	49495855	34216861	911.872	888.224

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

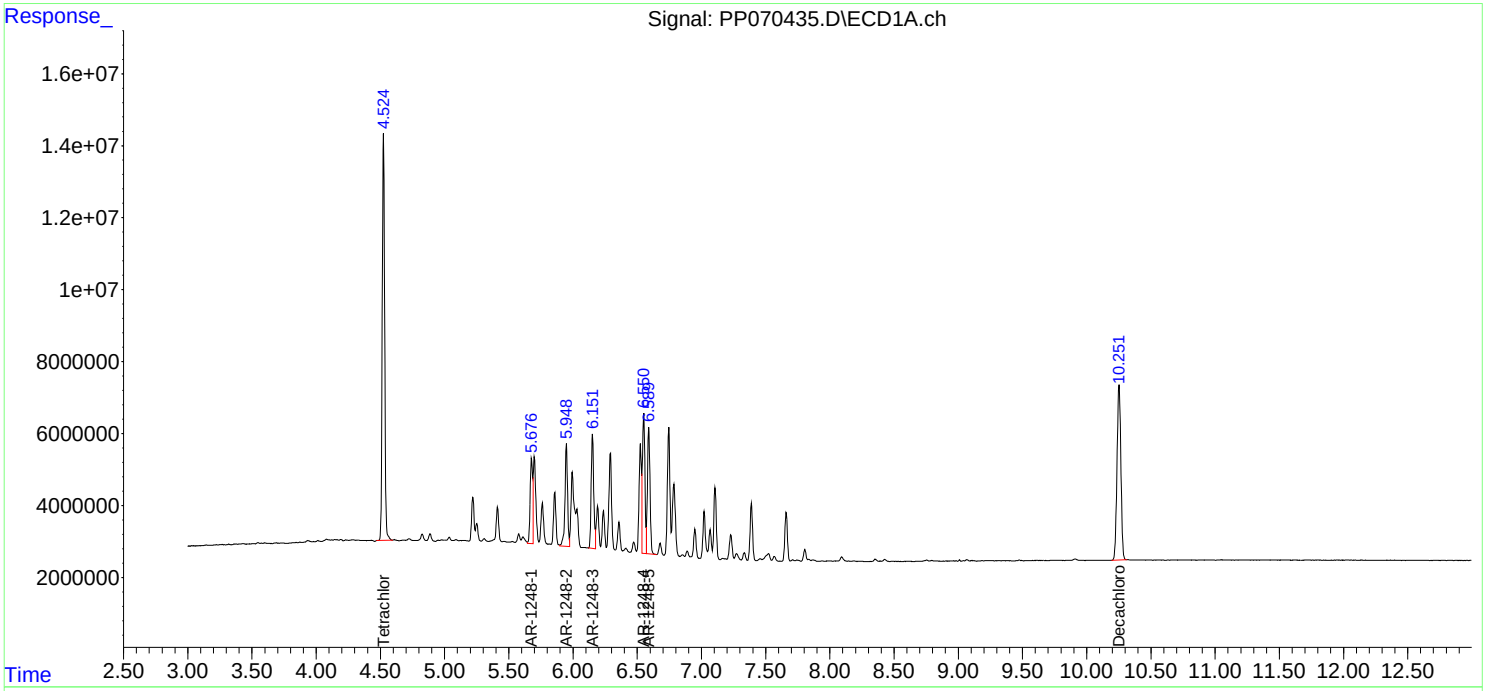
ICAL Form

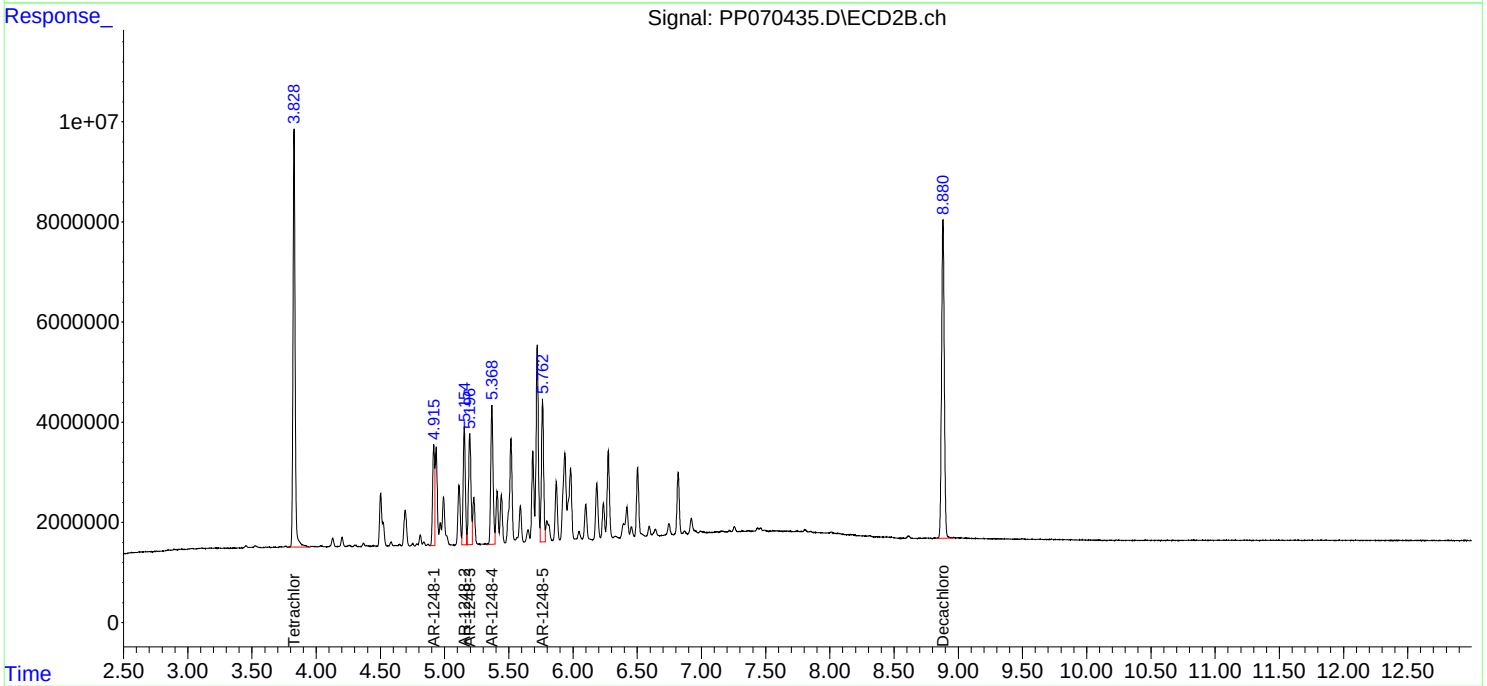
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:34
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

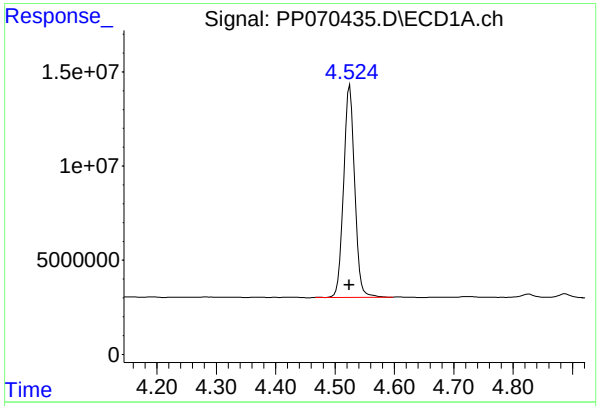
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



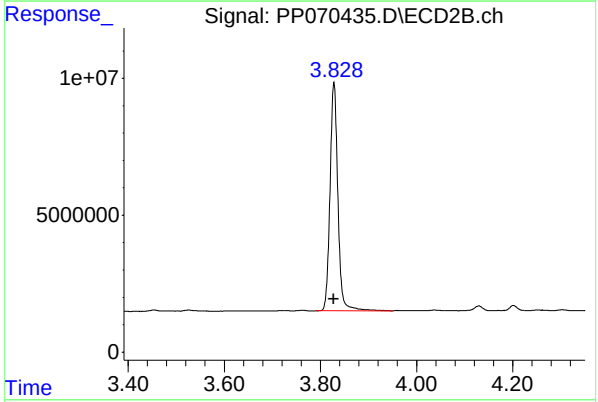




#1 Tetrachloro-m-xylene

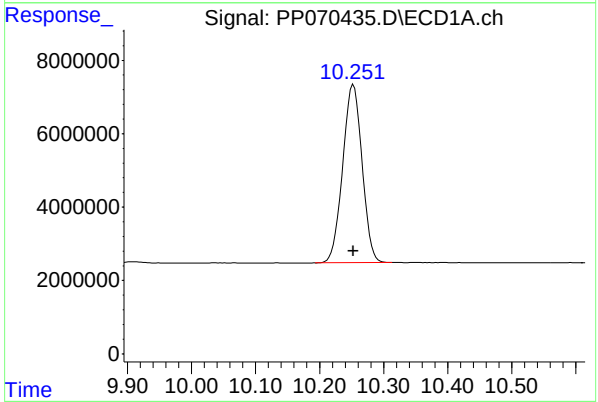
R.T.: 4.525 min
Delta R.T.: 0.001 min
Response: 146436711
Conc: 91.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



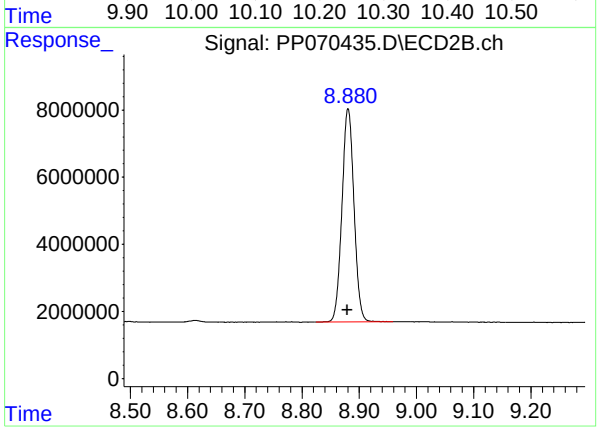
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 94860764
Conc: 91.94 ng/ml



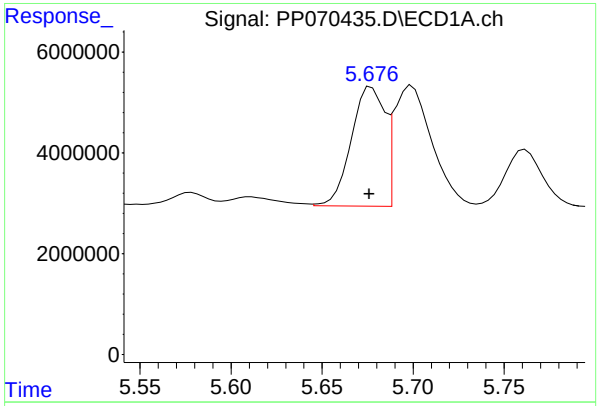
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 101874553
Conc: 91.77 ng/ml



#2 Decachlorobiphenyl

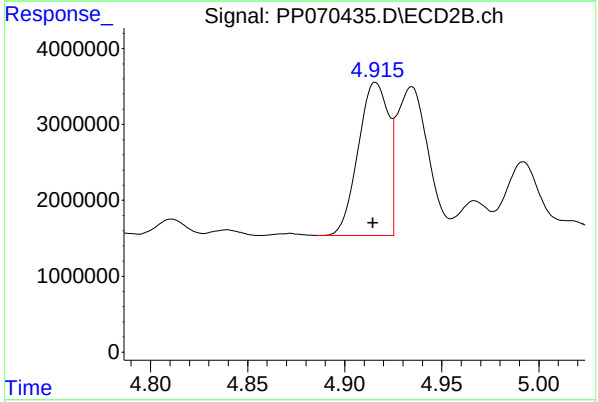
R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 93329063
Conc: 93.31 ng/ml



#21 AR-1248-1

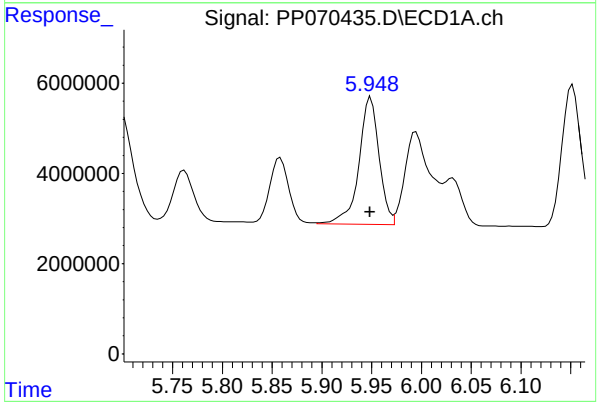
R.T.: 5.677 min
Delta R.T.: 0.001 min
Response: 30241509
Conc: 879.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



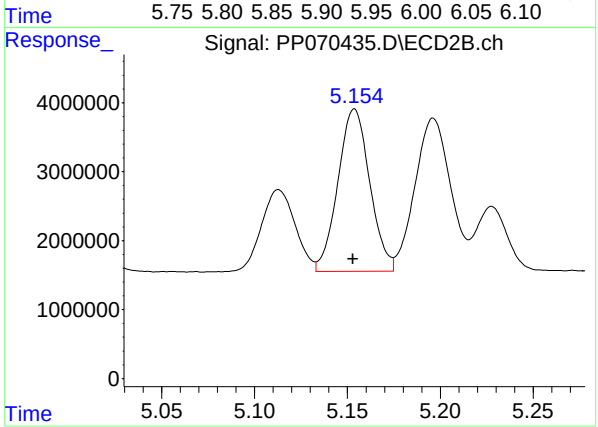
#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 21916865
Conc: 907.98 ng/ml



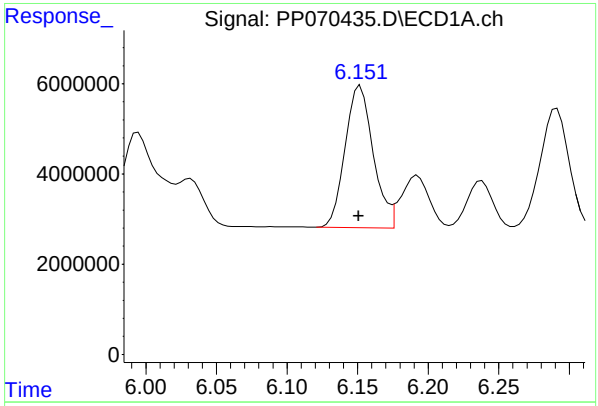
#22 AR-1248-2

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 39839483
Conc: 903.94 ng/ml



#22 AR-1248-2

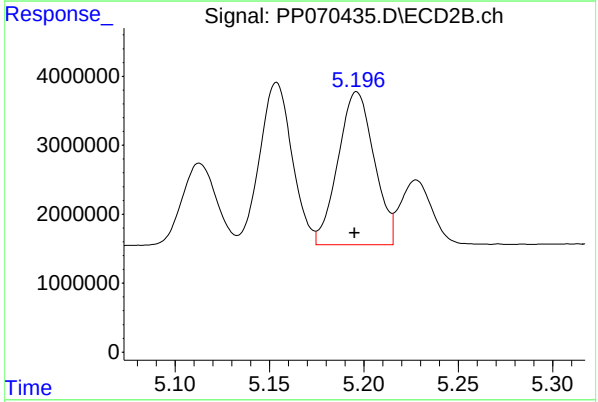
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 28154371
Conc: 890.83 ng/ml



#23 AR-1248-3

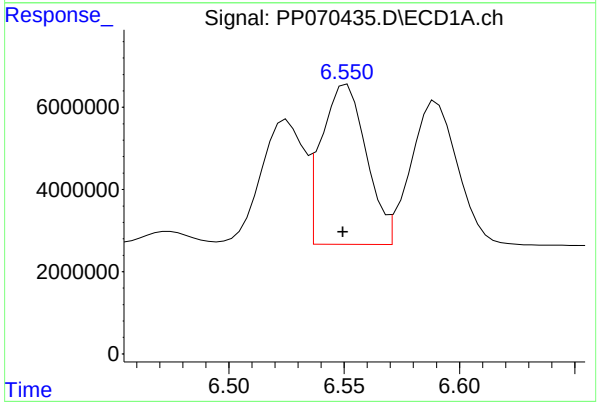
R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 43671743
Conc: 923.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



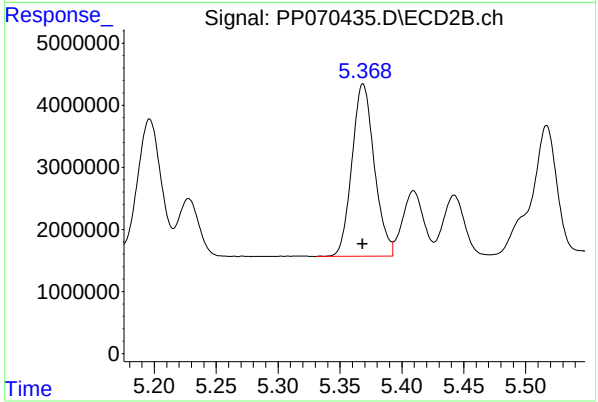
#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.001 min
Response: 29522180
Conc: 895.85 ng/ml



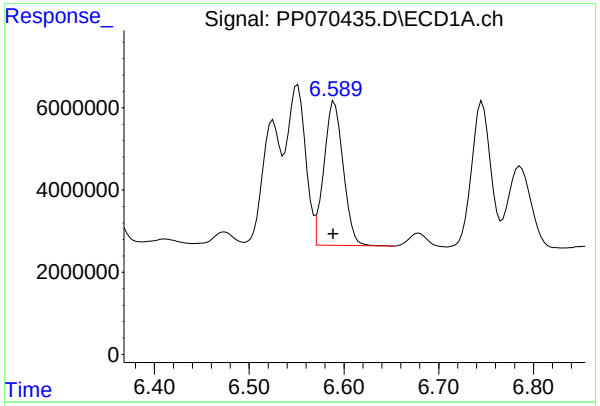
#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 52673121
Conc: 915.30 ng/ml



#24 AR-1248-4

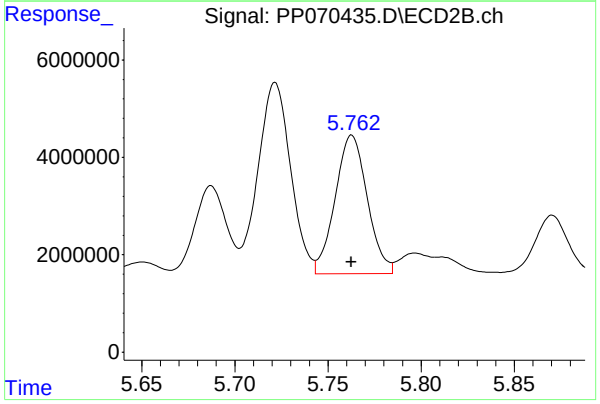
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 34974296
Conc: 909.81 ng/ml



#25 AR-1248-5

R.T.: 6.590 min
Delta R.T.: 0.001 mi
Response: 49495855
Conc: 911.87 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 34216861
Conc: 888.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:50
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	113.2E6	73390816	71.068	71.131
2)	SA Decachlor...	10.251	8.881	79880946	73652526	71.961	73.639
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.916	23877530	16604955	694.689	687.915
22)	L5 AR-1248-2	5.948	5.154	31299442	21860304	710.173	691.676
23)	L5 AR-1248-3	6.151	5.196	34151551	22815999	722.436	692.349
24)	L5 AR-1248-4	6.550	5.369	41100725	26820014	714.205	697.687
25)	L5 AR-1248-5	6.589	5.763	39169453	26657299	721.627	691.988

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

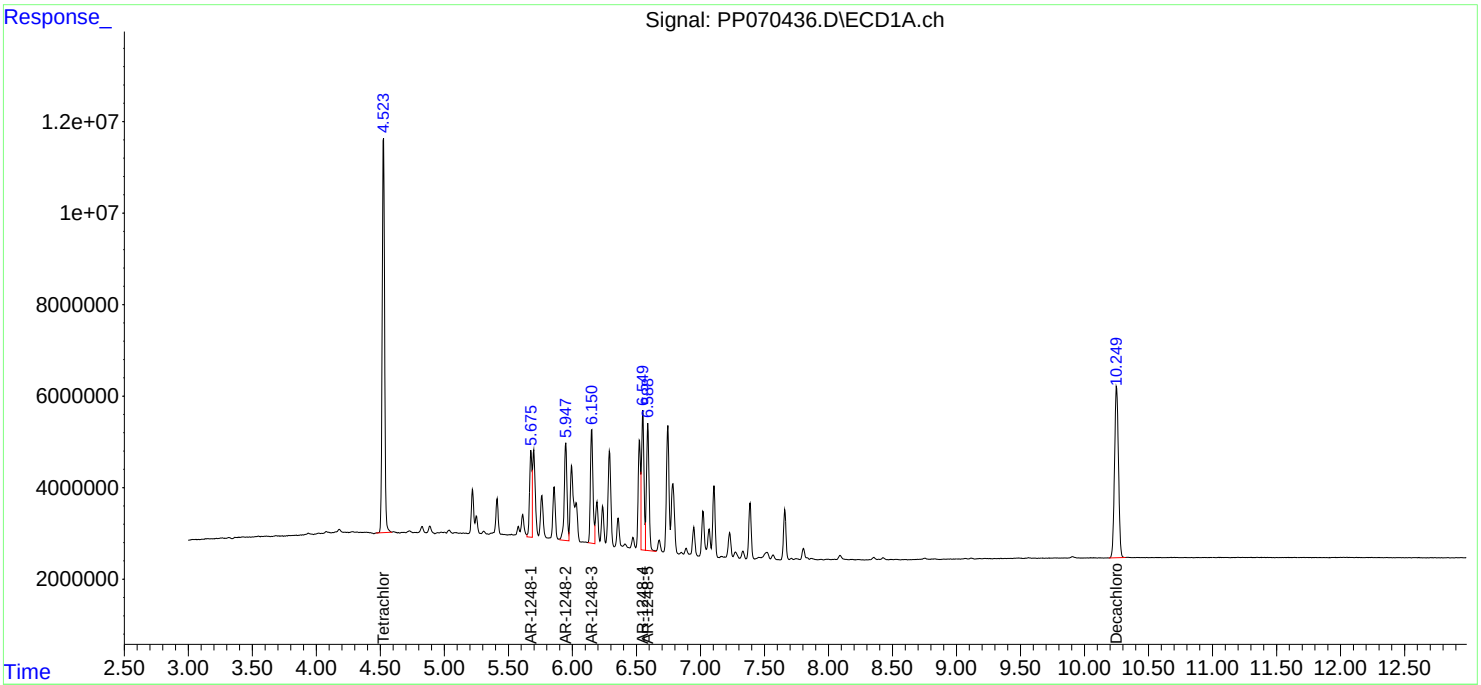
ICAL Form

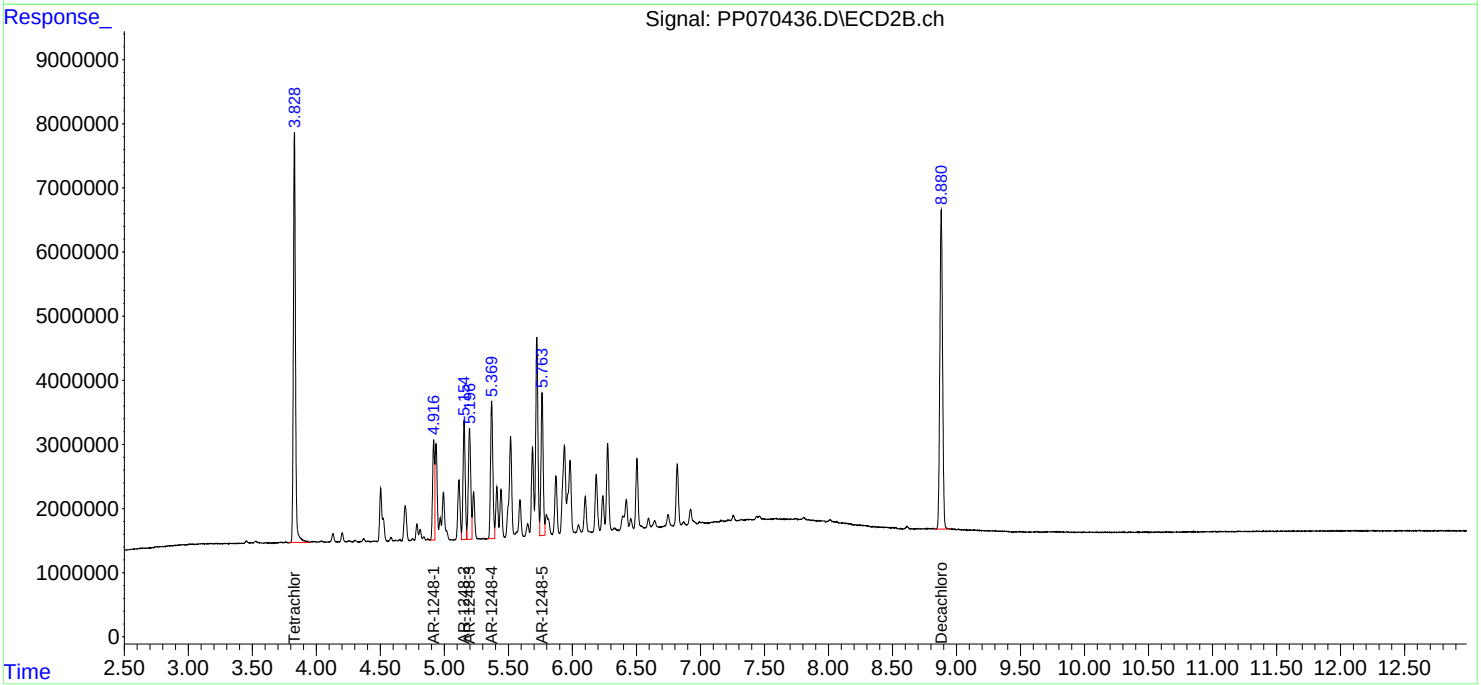
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:50
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

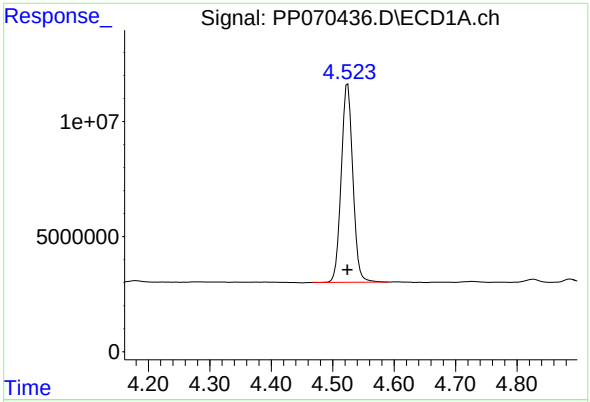
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



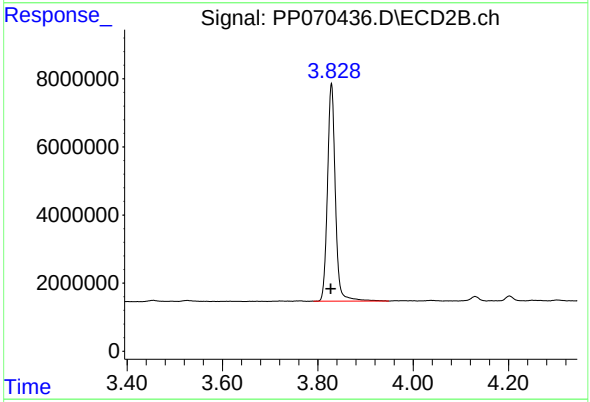




#1 Tetrachloro-m-xylene

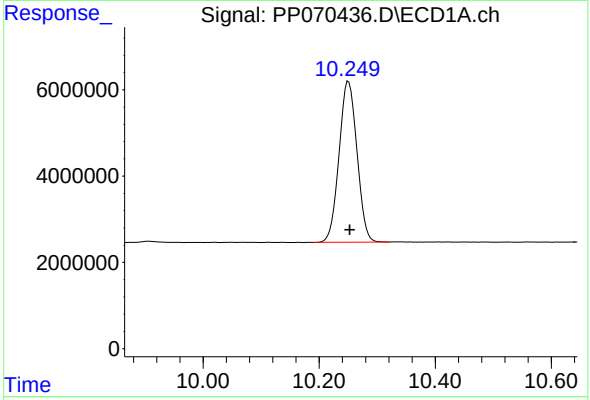
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 113216265
Conc: 71.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



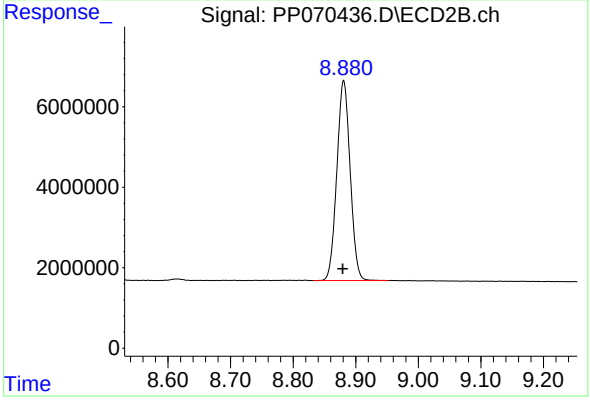
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.001 min
Response: 73390816
Conc: 71.13 ng/ml



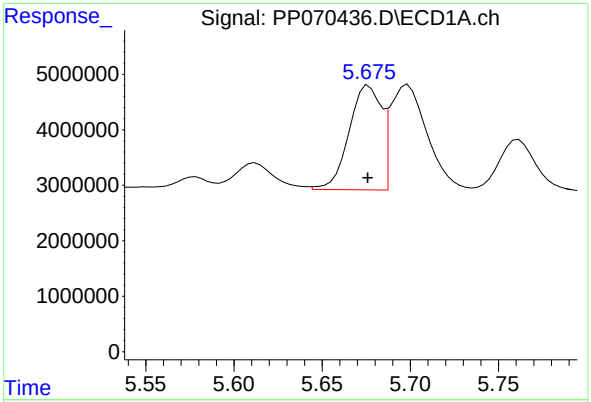
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 79880946
Conc: 71.96 ng/ml



#2 Decachlorobiphenyl

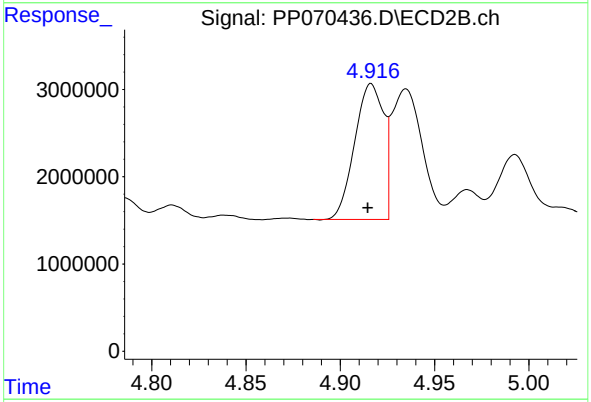
R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 73652526
Conc: 73.64 ng/ml



#21 AR-1248-1

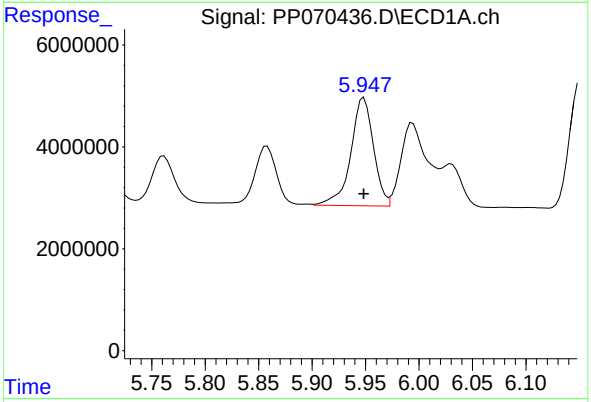
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 23877530
Conc: 694.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



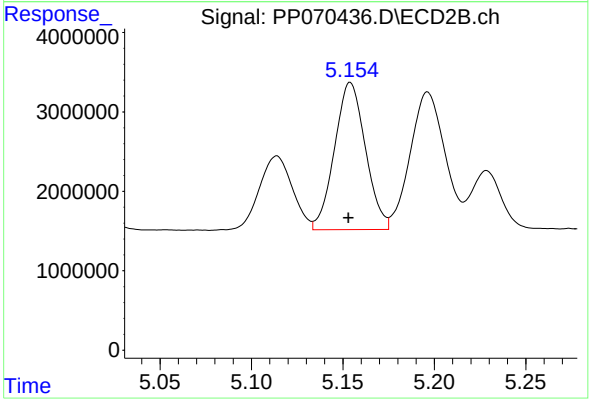
#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 16604955
Conc: 687.91 ng/ml



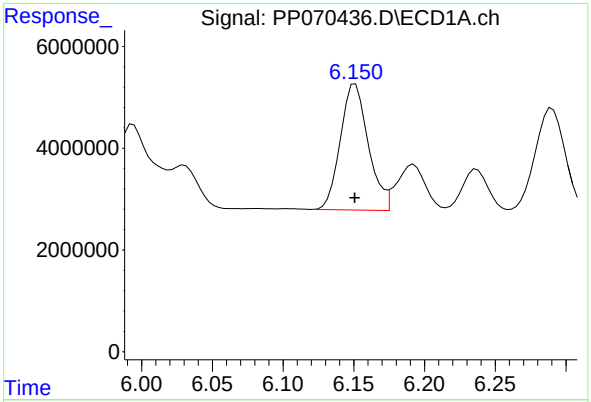
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 31299442
Conc: 710.17 ng/ml



#22 AR-1248-2

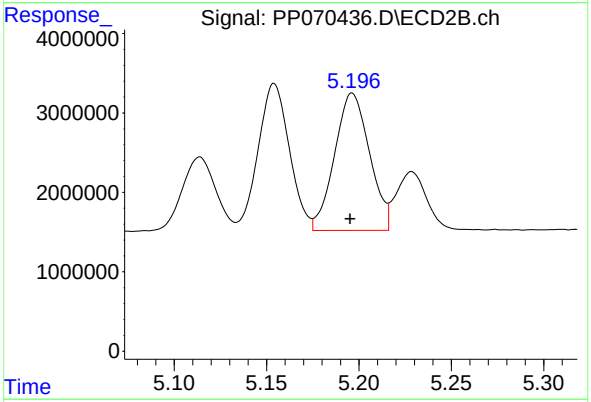
R.T.: 5.154 min
Delta R.T.: 0.001 min
Response: 21860304
Conc: 691.68 ng/ml



#23 AR-1248-3

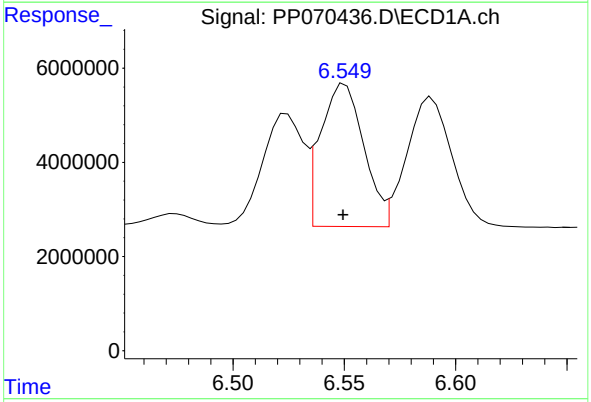
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 34151551
Conc: 722.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



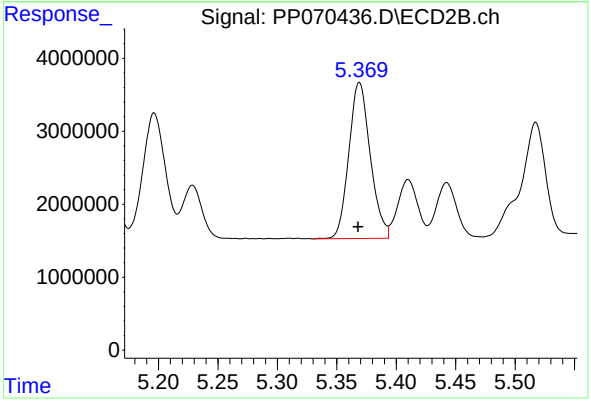
#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.001 min
Response: 22815999
Conc: 692.35 ng/ml



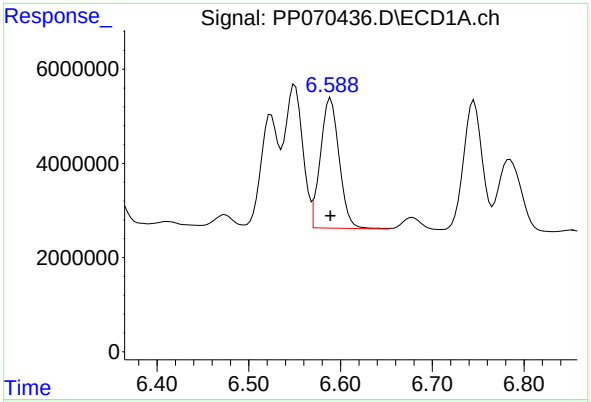
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 41100725
Conc: 714.20 ng/ml



#24 AR-1248-4

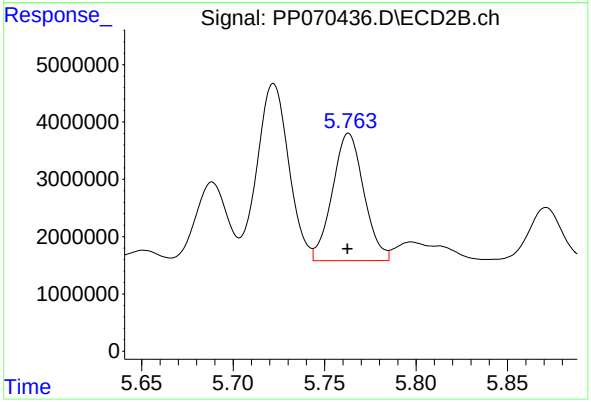
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 26820014
Conc: 697.69 ng/ml



#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 39169453
Conc: 721.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 26657299
Conc: 691.99 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.828	79654020	51588428	50.000	50.000
2)	SA Decachlor...	10.252	8.879	55503319	50009409	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.915	17185780	12069051	500.000	500.000
22)	L5 AR-1248-2	5.948	5.153	22036493	15802407	500.000	500.000
23)	L5 AR-1248-3	6.151	5.195	23636389	16477236	500.000	500.000
24)	L5 AR-1248-4	6.550	5.368	28773776	19220672	500.000	500.000
25)	L5 AR-1248-5	6.589	5.762	27139688	19261400	500.000	500.000

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

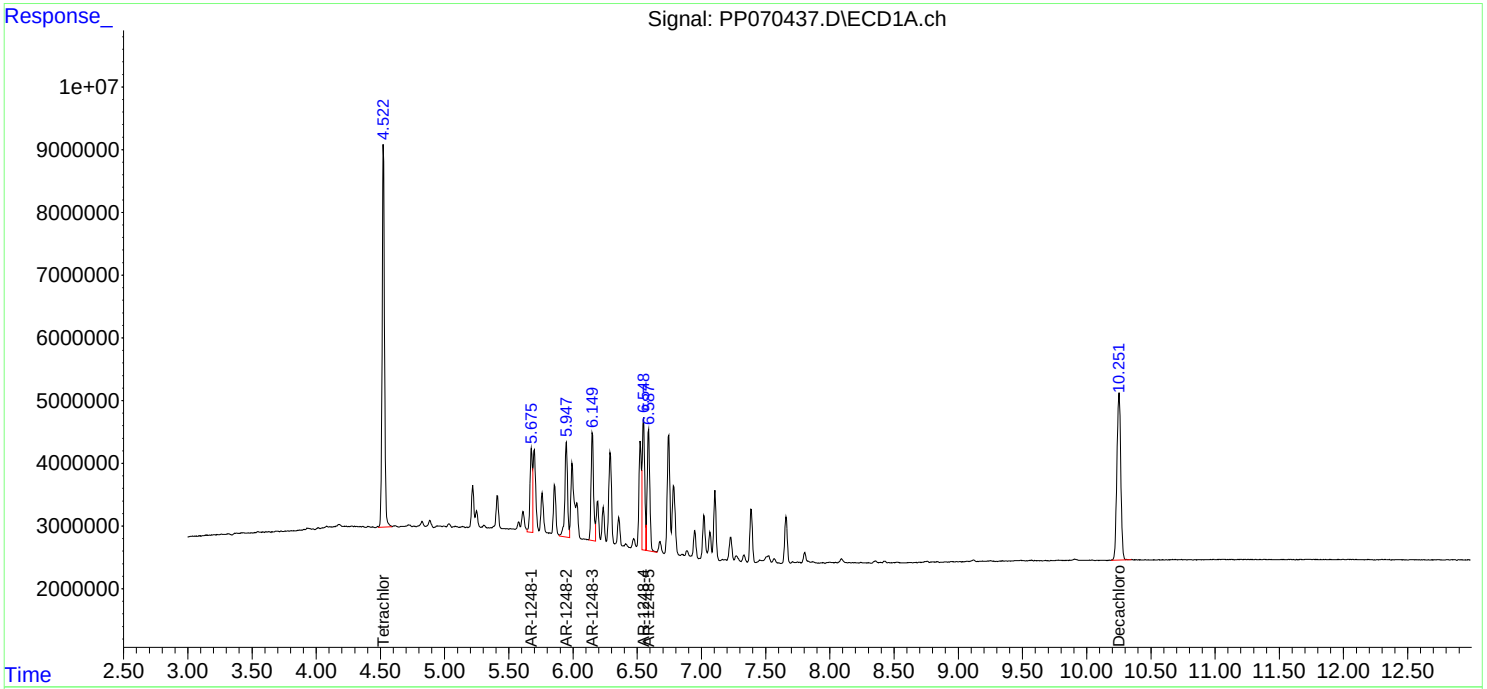
ICAL Form

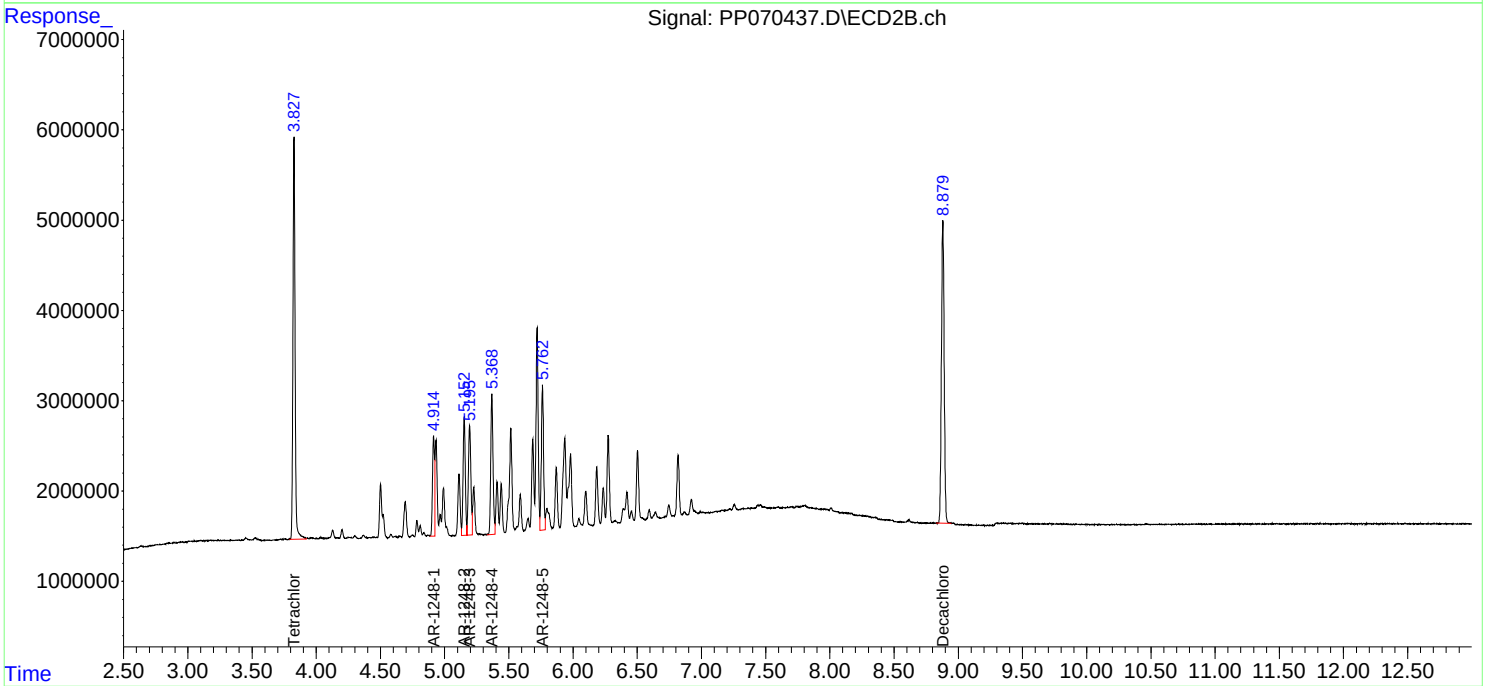
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

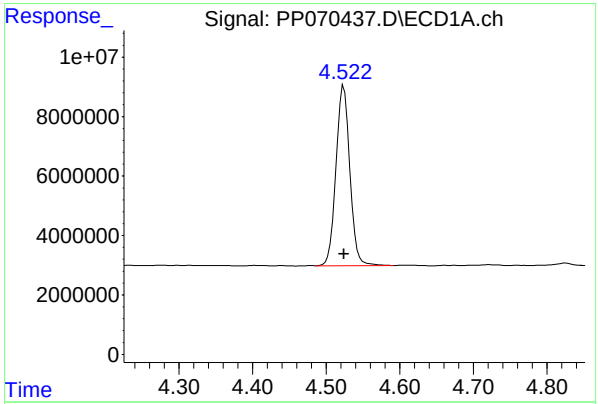
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



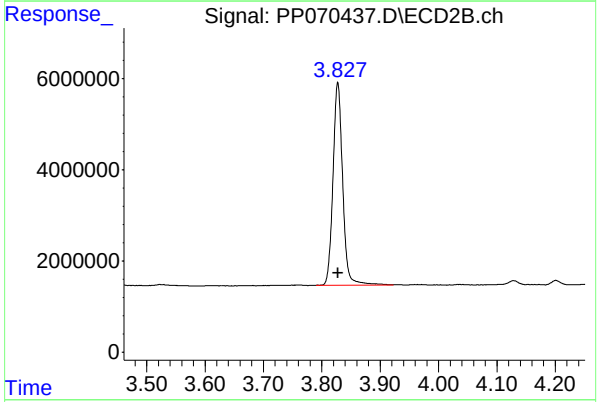




#1 Tetrachloro-m-xylene

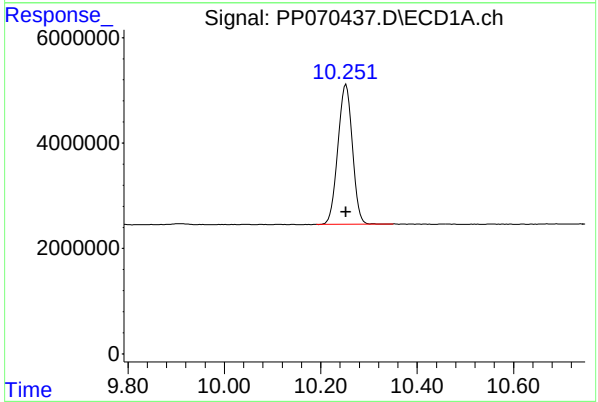
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79654020
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



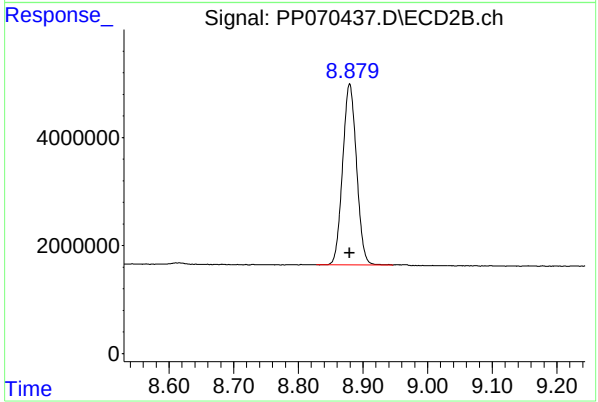
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51588428
Conc: 50.00 ng/ml



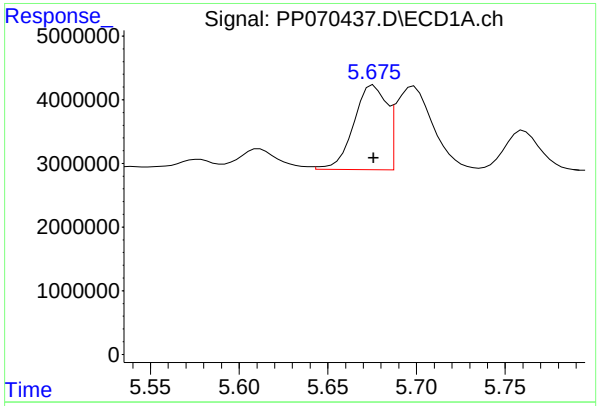
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 55503319
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

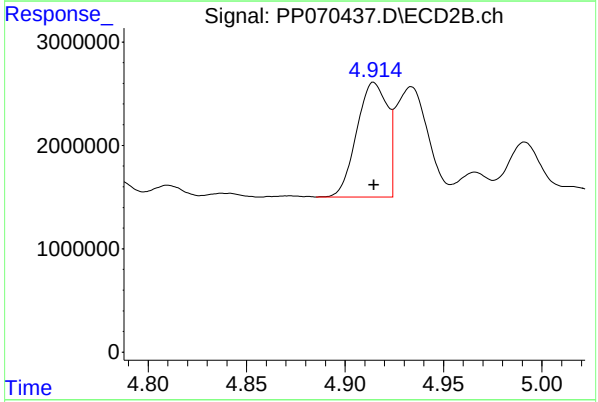
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 50009409
Conc: 50.00 ng/ml



#21 AR-1248-1

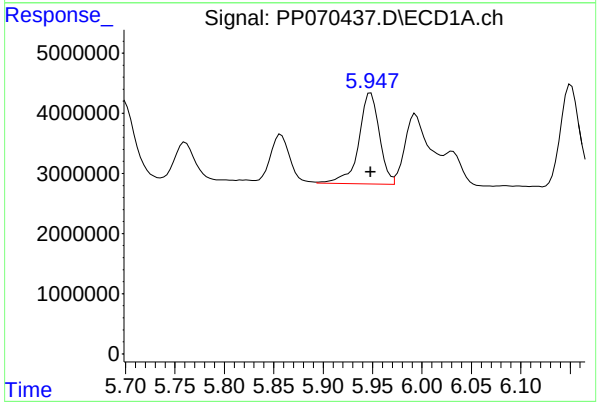
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 17185780
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



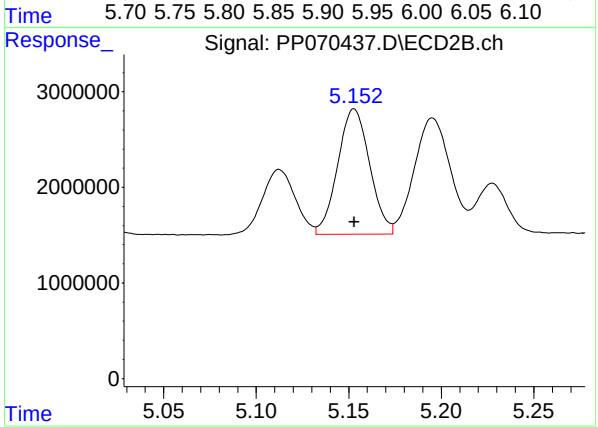
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 12069051
Conc: 500.00 ng/ml



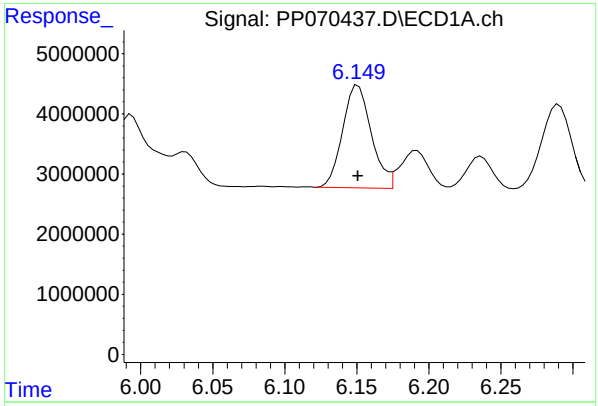
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 22036493
Conc: 500.00 ng/ml



#22 AR-1248-2

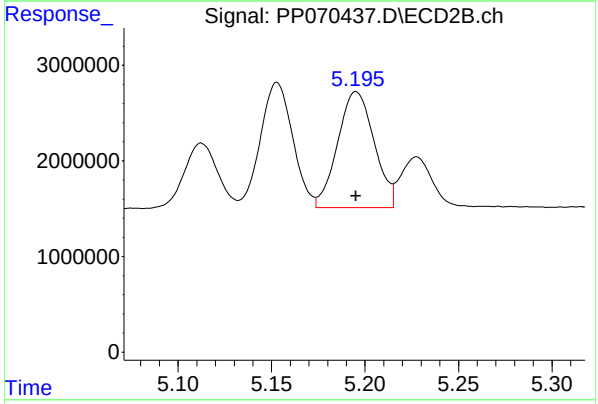
R.T.: 5.153 min
Delta R.T.: 0.000 min
Response: 15802407
Conc: 500.00 ng/ml



#23 AR-1248-3

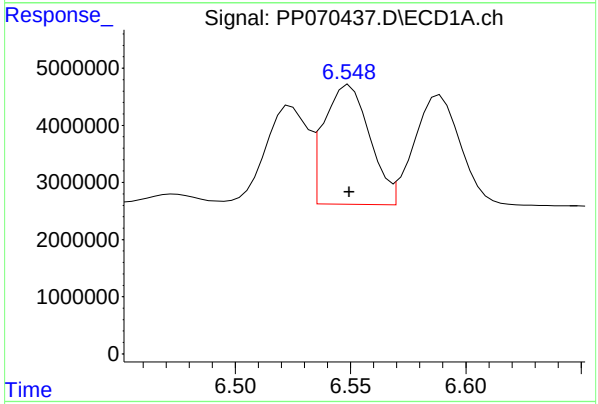
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 23636389
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



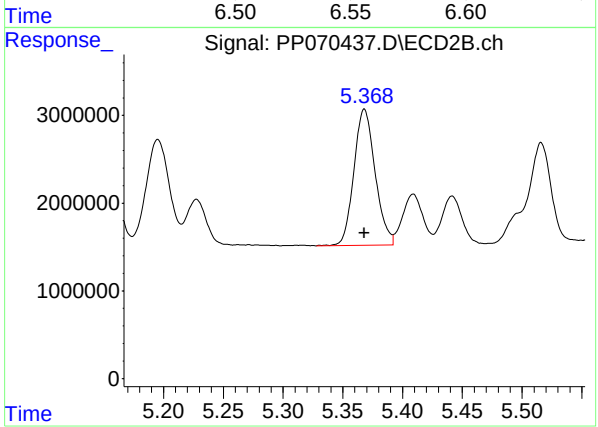
#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 16477236
Conc: 500.00 ng/ml



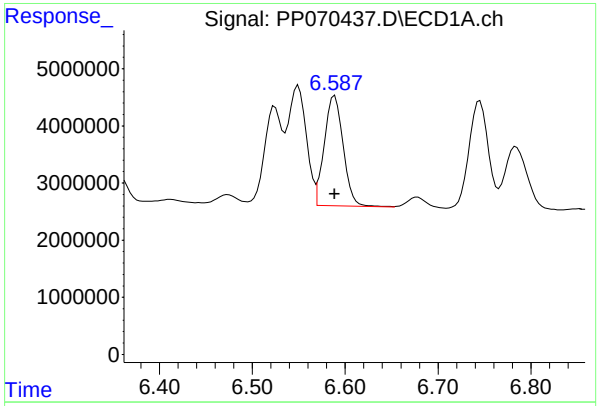
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 28773776
Conc: 500.00 ng/ml



#24 AR-1248-4

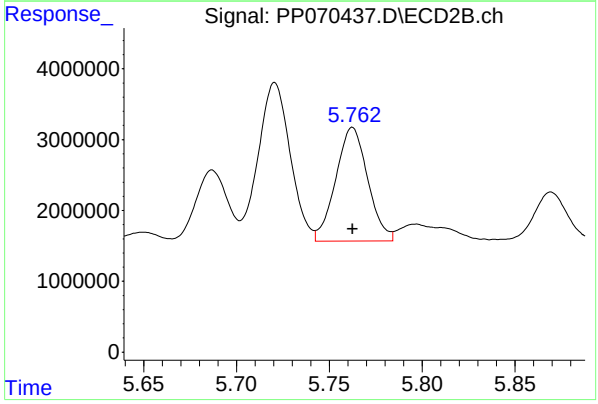
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 19220672
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 mi
Response: 27139688
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19261400
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:22
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.828	41374738	26771120	25.972	25.947
2)	SA Decachlor...	10.251	8.880	29104206	26702465	26.218	26.697
	Target Compounds						
21)	L5 AR-1248-1	5.676	4.915	9469927	6320408	275.516	261.844
22)	L5 AR-1248-2	5.948	5.154	11796932	8326683	267.668	263.462
23)	L5 AR-1248-3	6.151	5.196	12207368	8590669	258.233	260.683
24)	L5 AR-1248-4	6.550	5.369	15337045	10215741	266.511	265.749
25)	L5 AR-1248-5	6.589	5.762	14358955	10127337	264.538	262.892

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

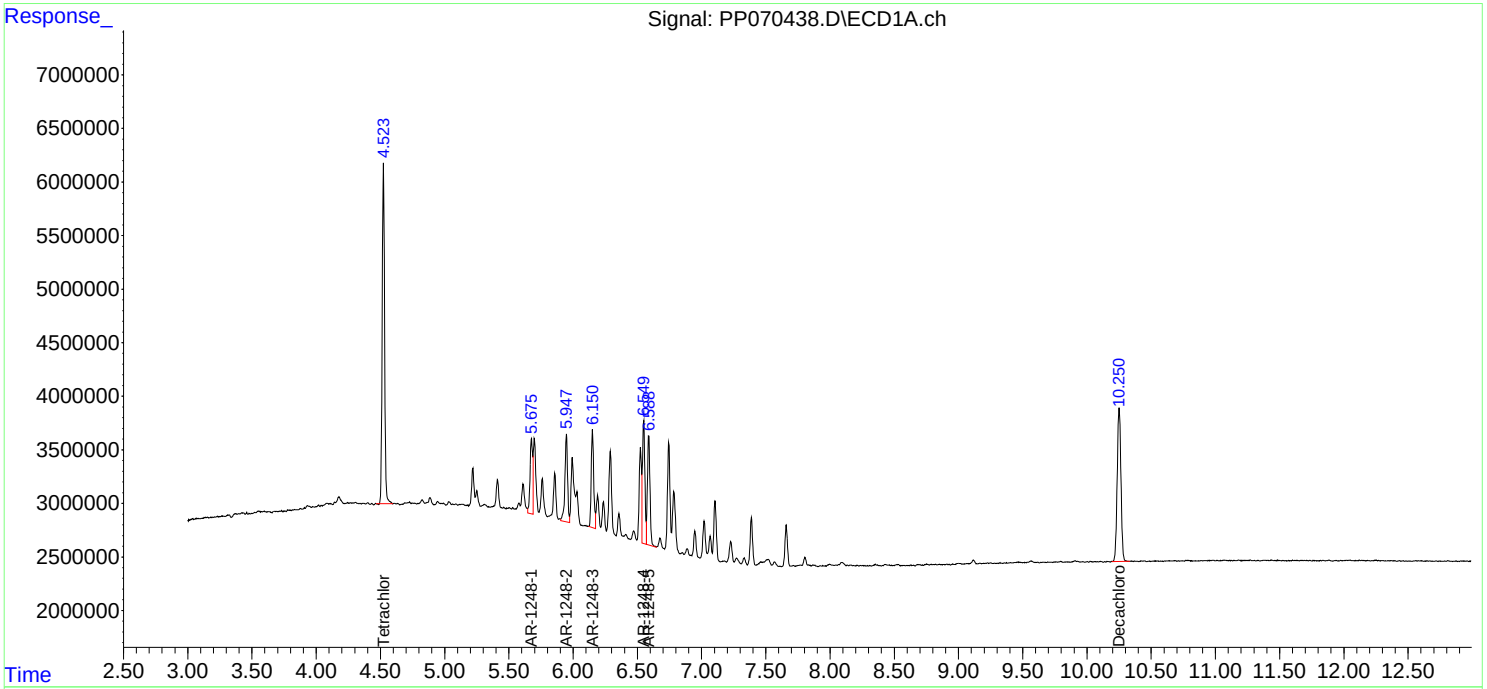
ICAL Form

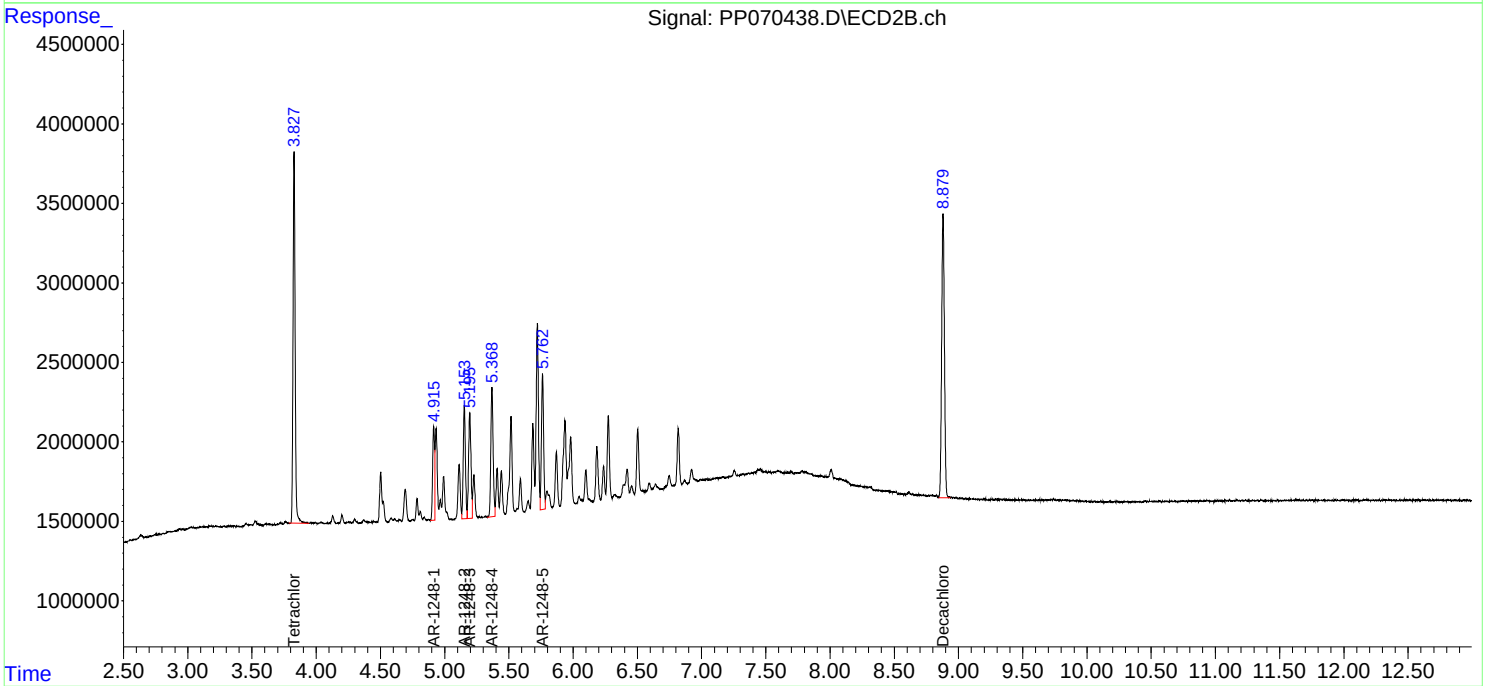
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:22
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

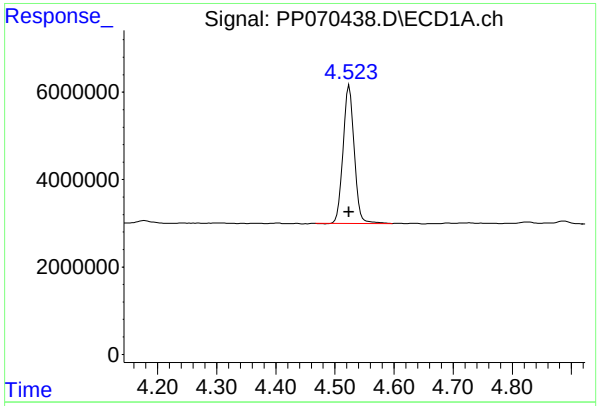
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



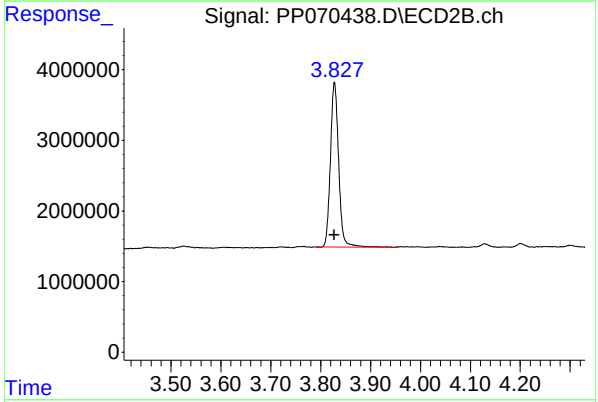




#1 Tetrachloro-m-xylene

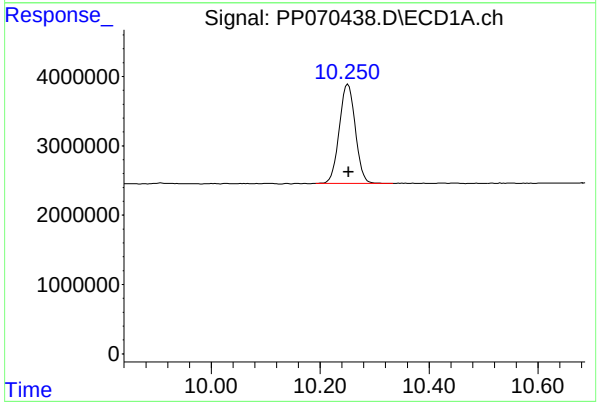
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 41374738
Conc: 25.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



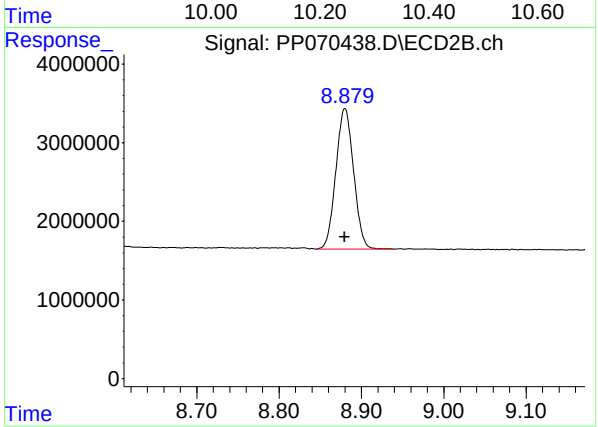
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26771120
Conc: 25.95 ng/ml



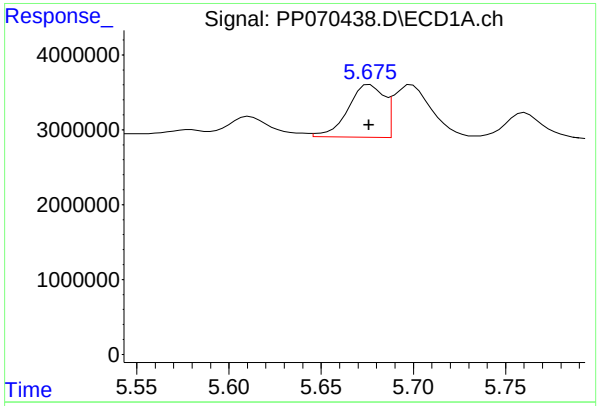
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.001 min
Response: 29104206
Conc: 26.22 ng/ml



#2 Decachlorobiphenyl

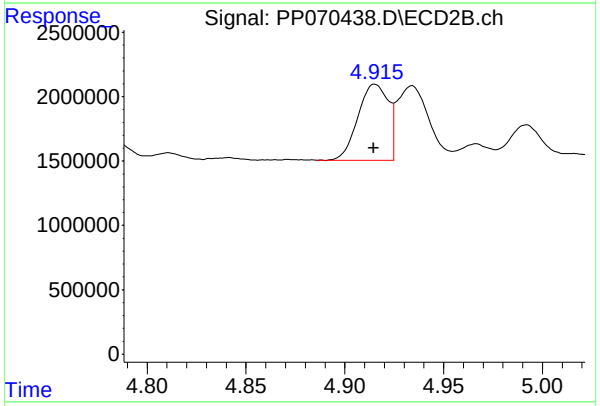
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 26702465
Conc: 26.70 ng/ml



#21 AR-1248-1

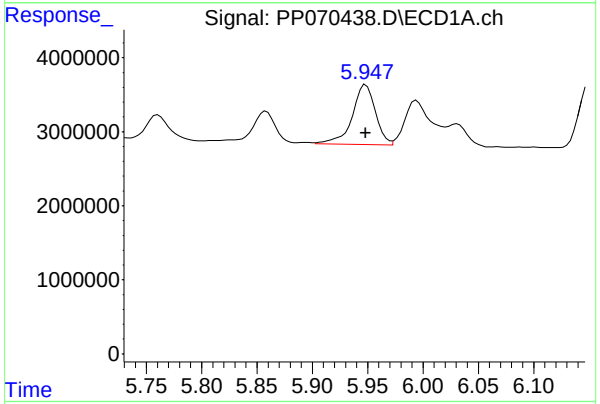
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 9469927
Conc: 275.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



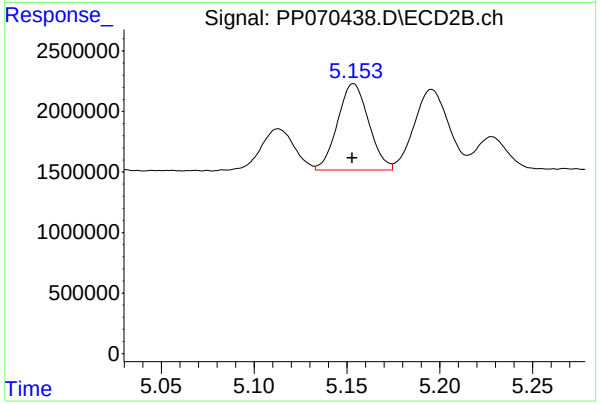
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 6320408
Conc: 261.84 ng/ml



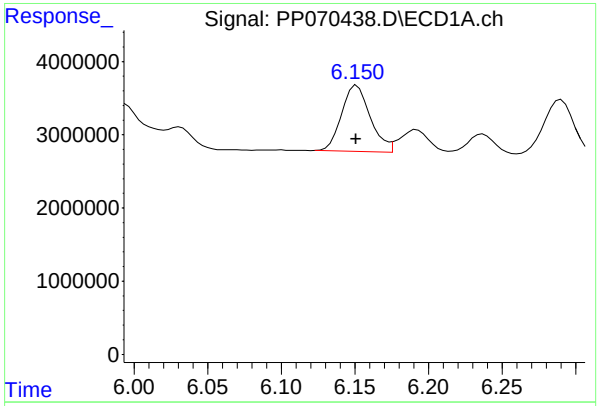
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 11796932
Conc: 267.67 ng/ml



#22 AR-1248-2

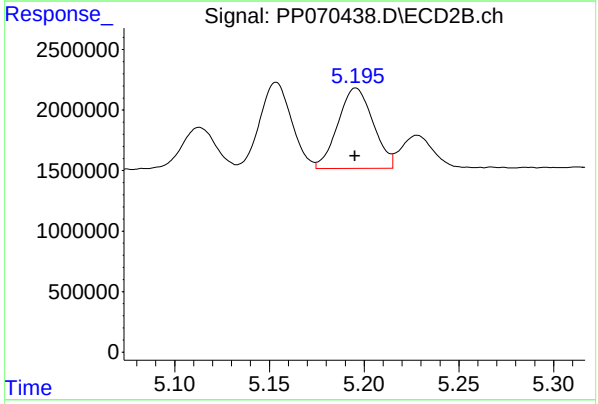
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 8326683
Conc: 263.46 ng/ml



#23 AR-1248-3

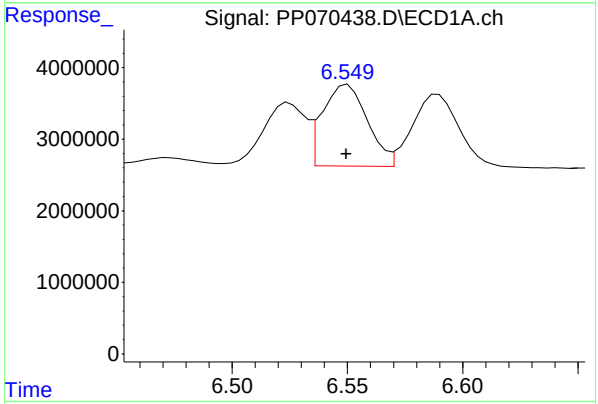
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 12207368
Conc: 258.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



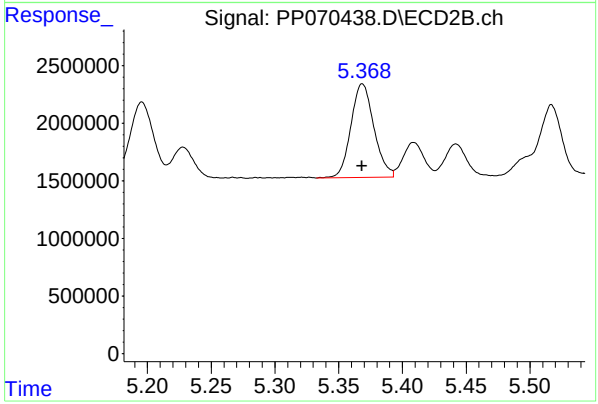
#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 8590669
Conc: 260.68 ng/ml



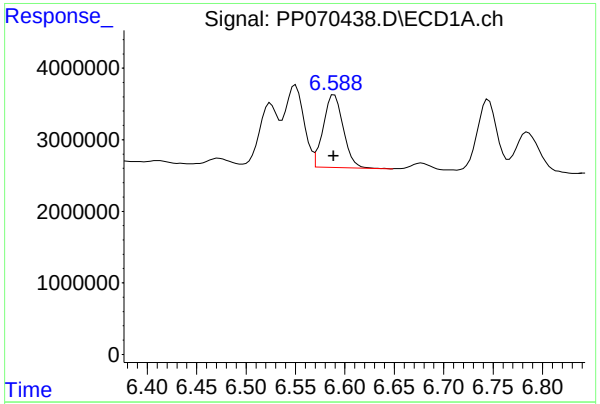
#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 15337045
Conc: 266.51 ng/ml



#24 AR-1248-4

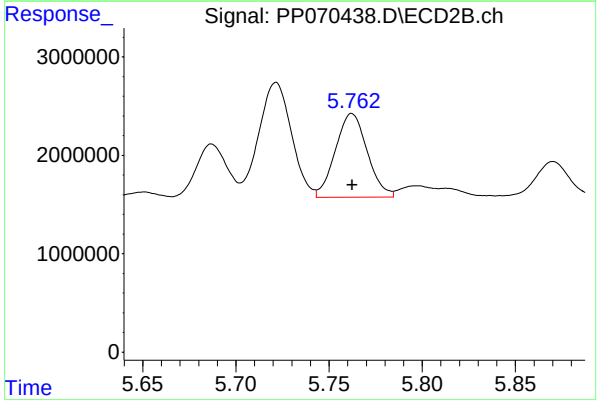
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 10215741
Conc: 265.75 ng/ml



#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 mi
Response: 14358955
Conc: 264.54 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 10127337
Conc: 262.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:39
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.828	8186392	5340424	5.139	5.176
2)	SA Decachlor...	10.252	8.879	5222131	5077972	4.704	5.077
	Target Compounds						
21)	L5 AR-1248-1	5.675	4.916	1822515	1195056	53.024m	49.509
22)	L5 AR-1248-2	5.946	5.154	1970177	1715212	44.703m	54.271
23)	L5 AR-1248-3	6.152	5.195	2271691	1567360	48.055	47.561
24)	L5 AR-1248-4	6.551	5.368	3179324	2241362	55.247	58.306
25)	L5 AR-1248-5	6.588	5.762	2749990	2082066	50.664	54.048

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:39
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

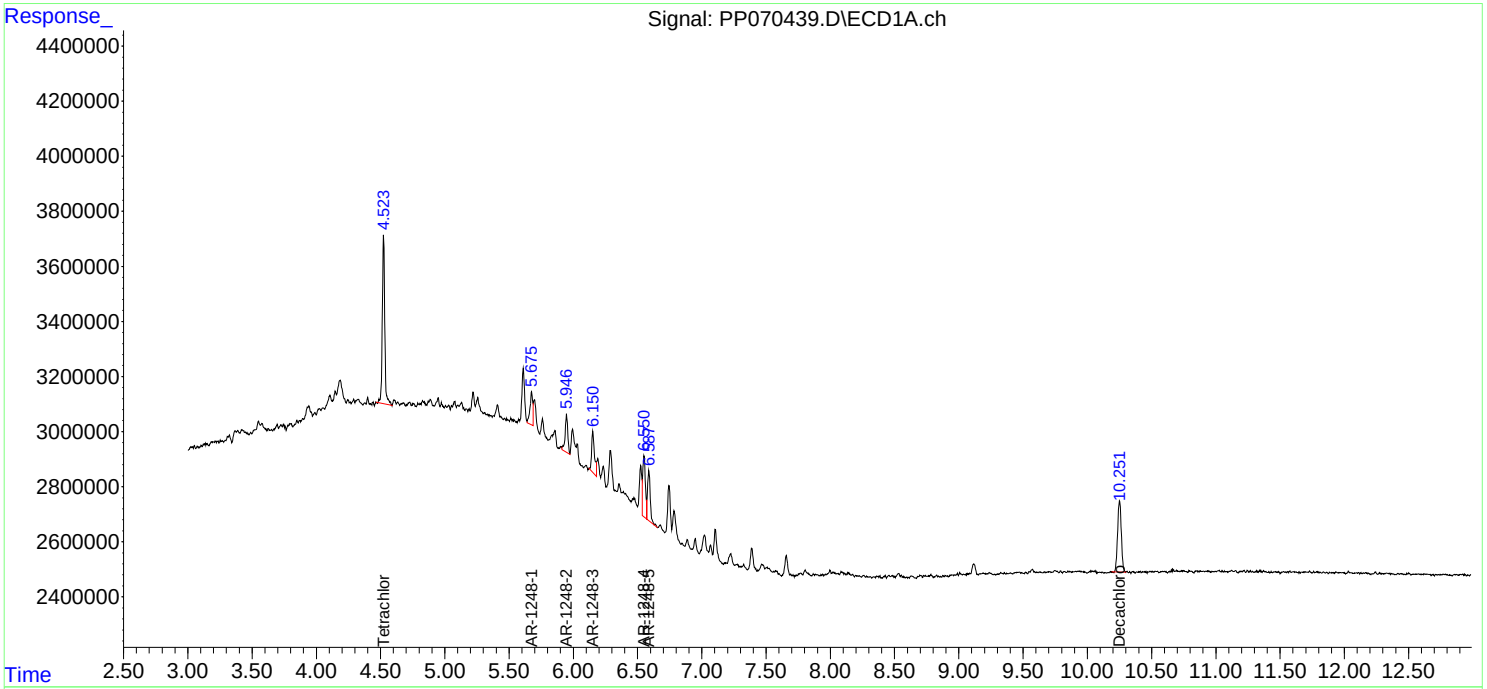
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

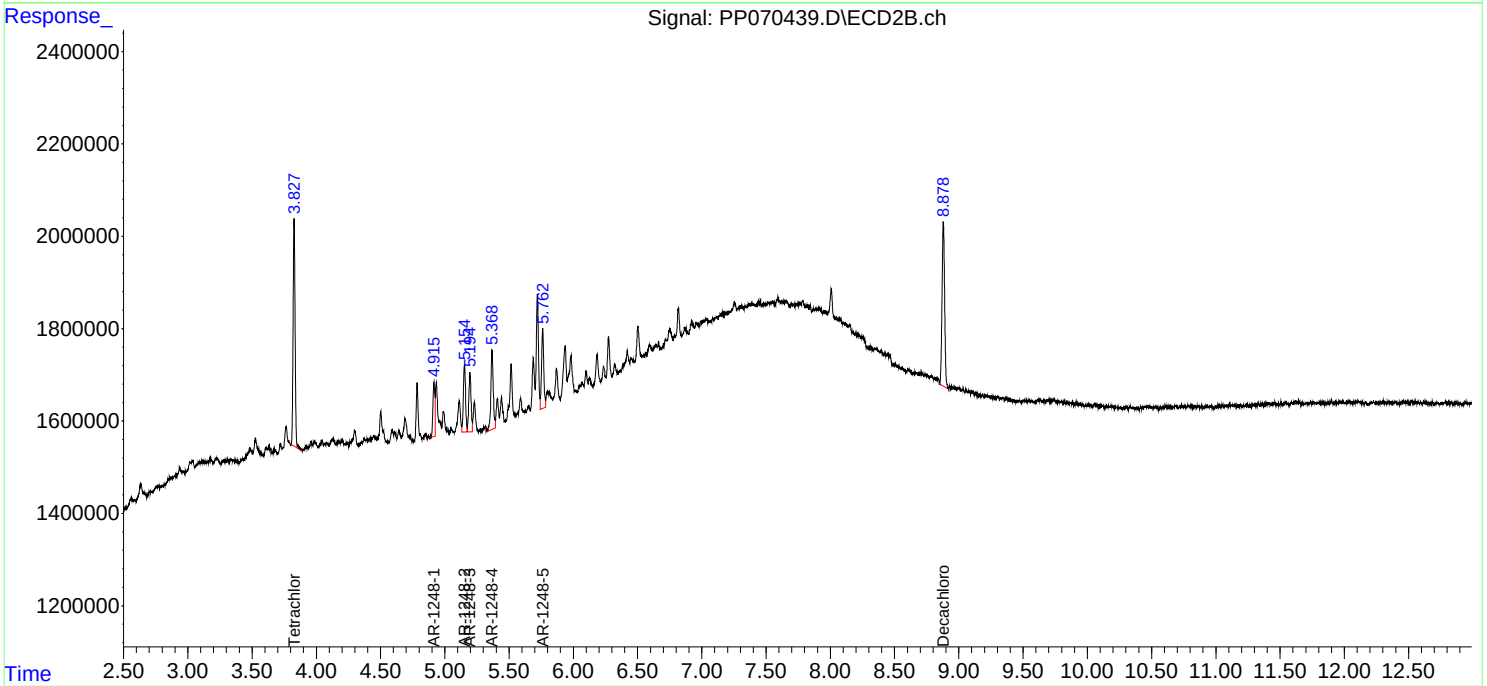
Manual Integrations APPROVED

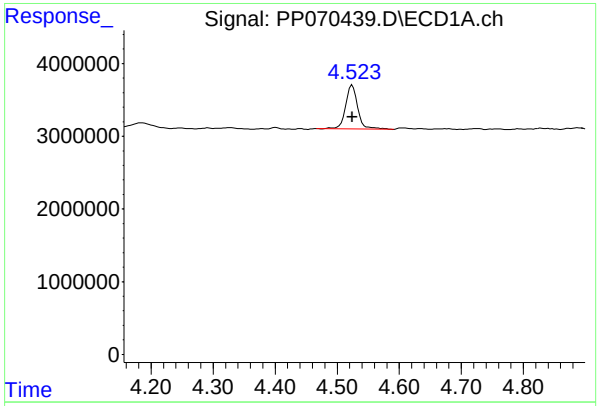
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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







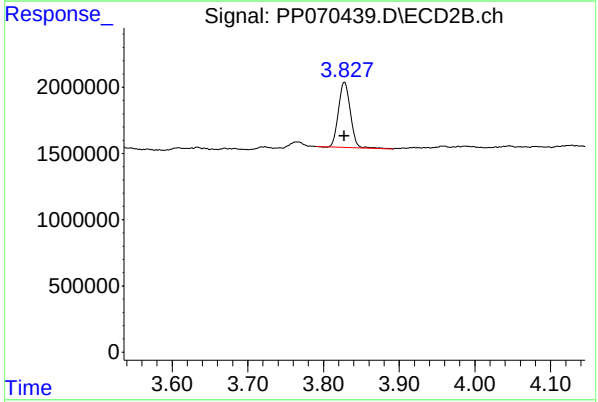
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 8186392
Conc: 5.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

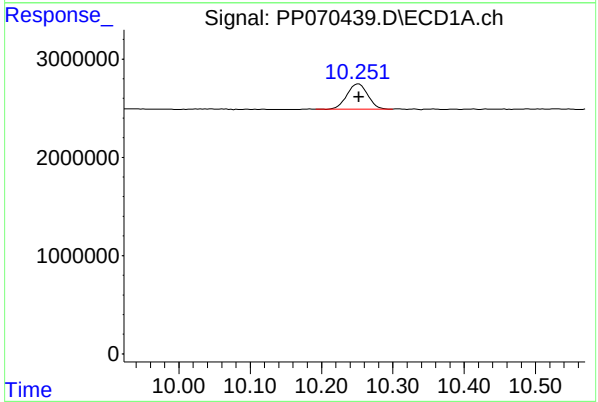
Manual Integrations APPROVED

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



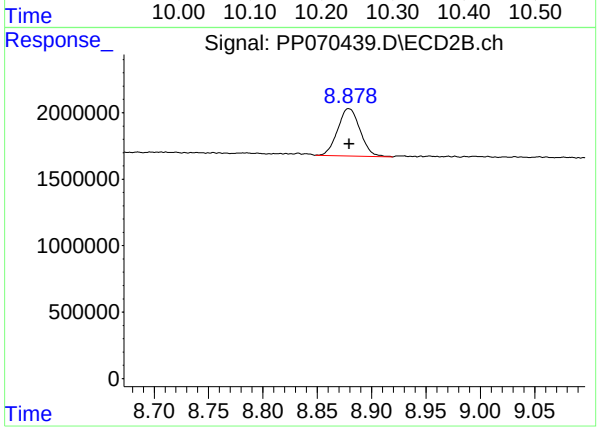
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5340424
Conc: 5.18 ng/ml



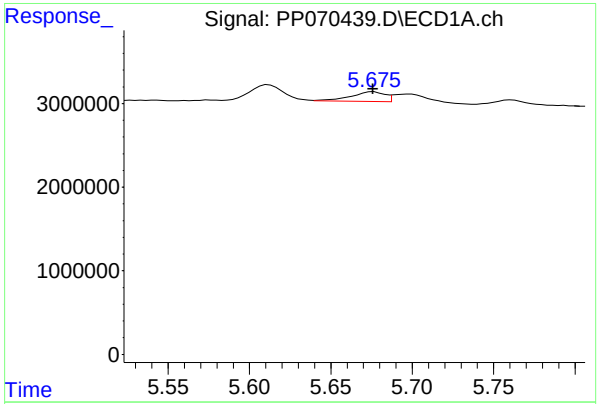
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 5222131
Conc: 4.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 5077972
Conc: 5.08 ng/ml



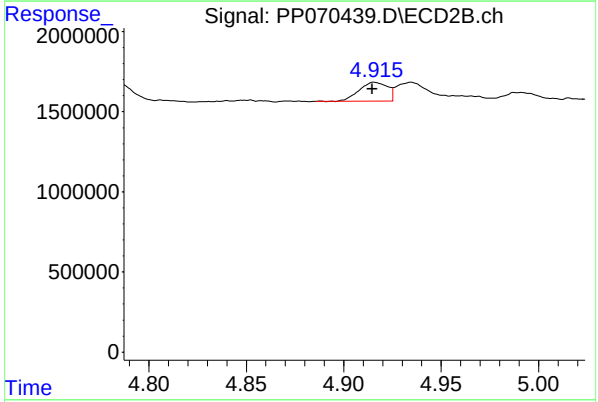
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 1822515
Conc: 53.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

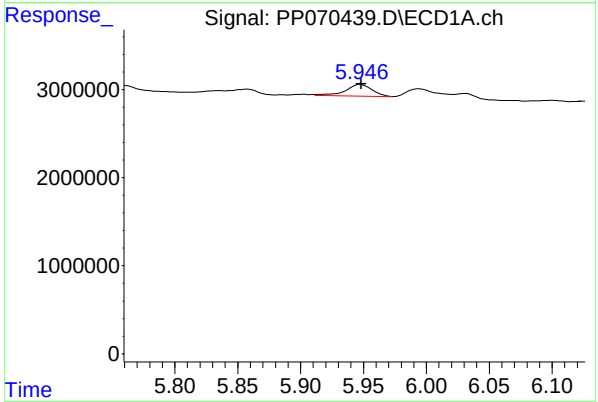
Manual Integrations APPROVED

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



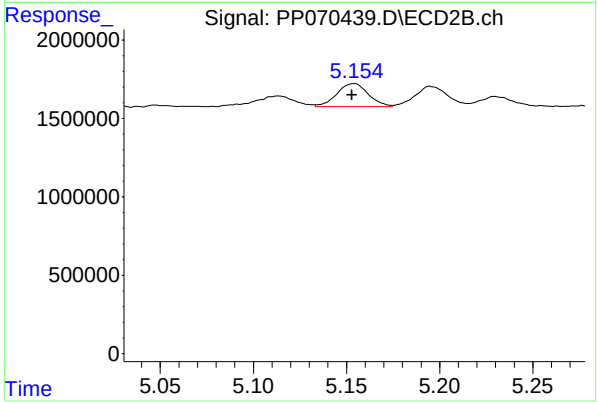
#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 1195056
Conc: 49.51 ng/ml



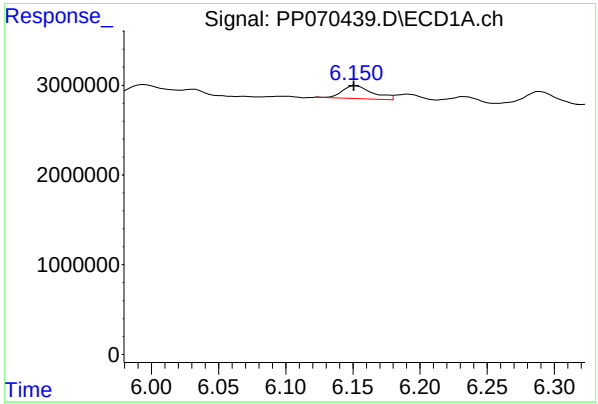
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 1970177
Conc: 44.70 ng/ml m



#22 AR-1248-2

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 1715212
Conc: 54.27 ng/ml



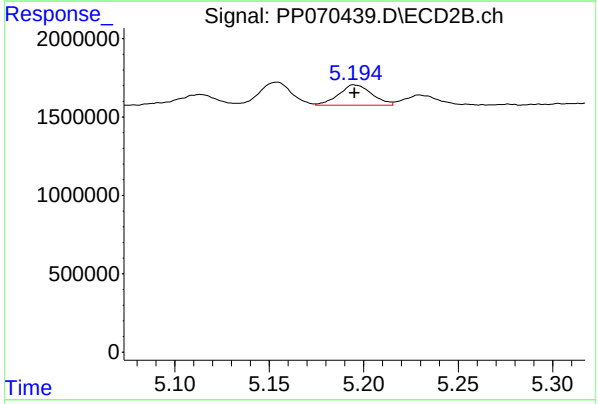
#23 AR-1248-3

R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 2271691
Conc: 48.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

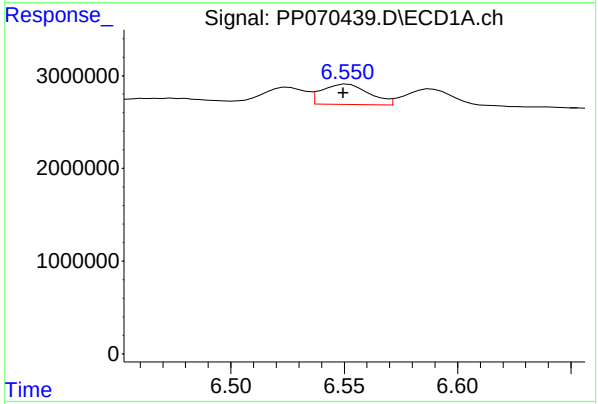
Manual Integrations APPROVED

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



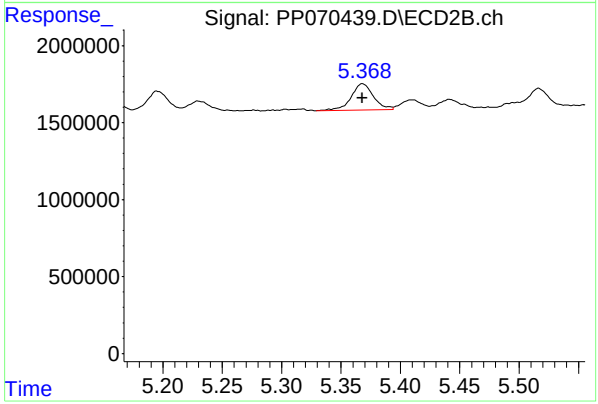
#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 1567360
Conc: 47.56 ng/ml



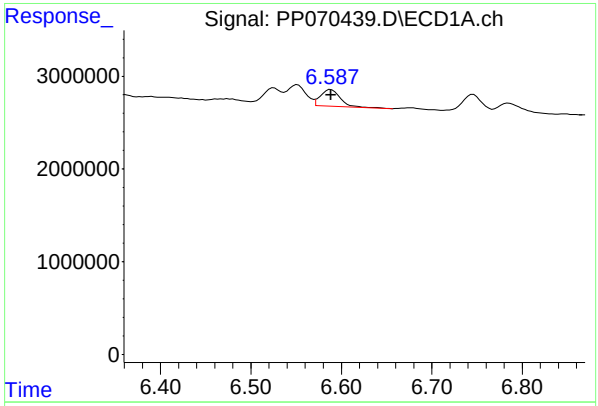
#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 3179324
Conc: 55.25 ng/ml



#24 AR-1248-4

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 2241362
Conc: 58.31 ng/ml



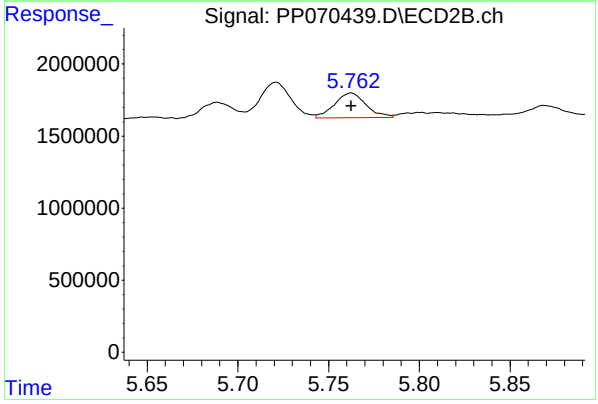
#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 2749990
Conc: 50.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

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



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 2082066
Conc: 54.05 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:55
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	149.1E6	96720518	93.390	94.825
2)	SA Decachlor...	10.251	8.879	105.2E6	96618792	92.933	88.886
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.722	52191144	49741488	893.548	880.090
27)	L6 AR-1254-2	6.743	5.870	76163232	43195538	909.453	890.167
28)	L6 AR-1254-3	7.106	6.275	78867294	69004581	913.417	911.168
29)	L6 AR-1254-4	7.389	6.503	65665428	48529875	916.687	908.500
30)	L6 AR-1254-5	7.806	6.922	65604720	63254548	923.372	917.897

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

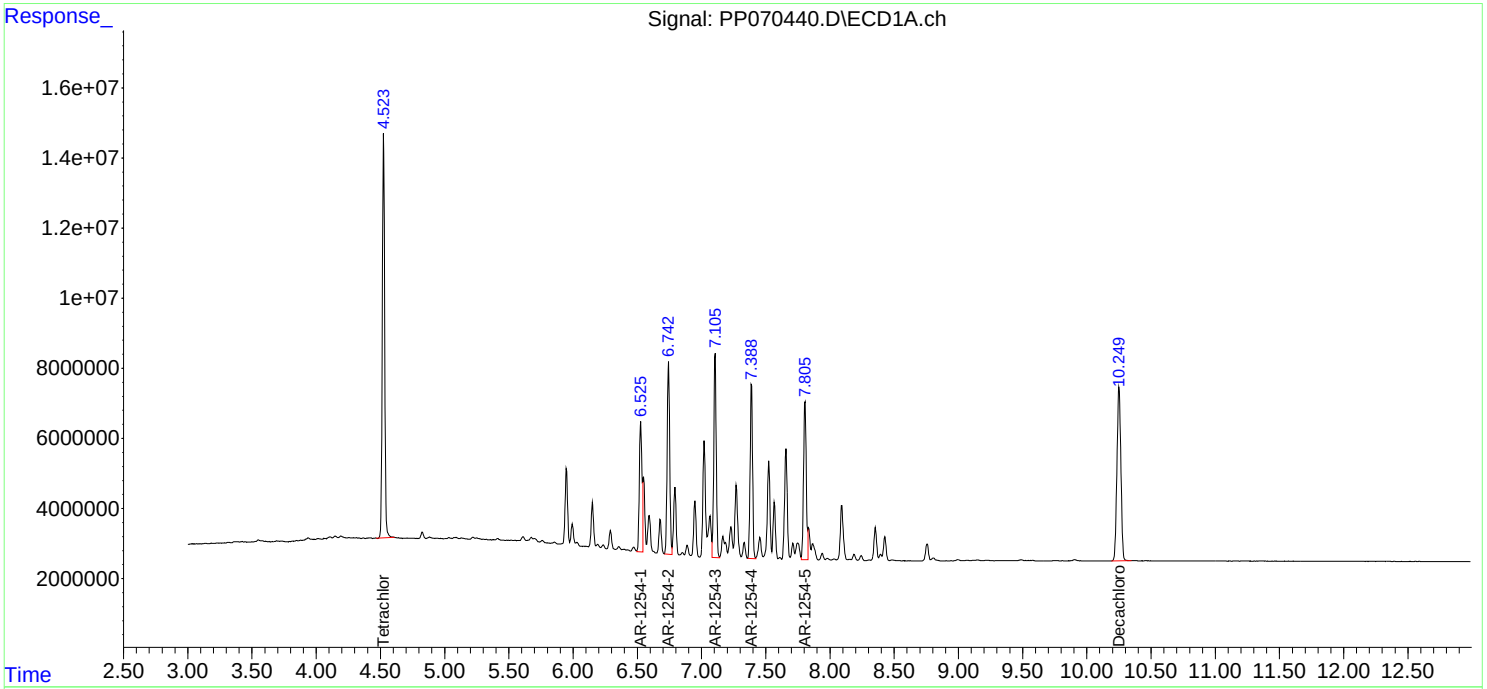
ICAL Form

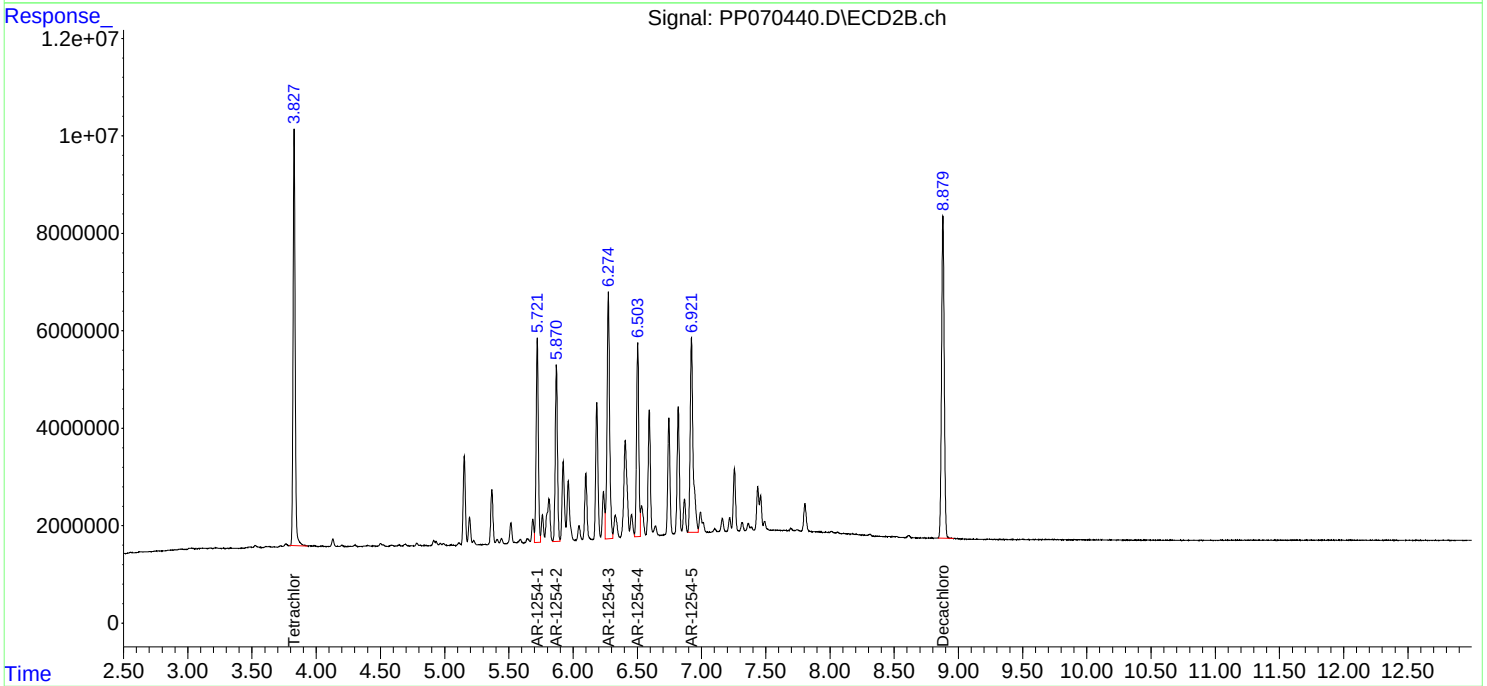
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:55
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

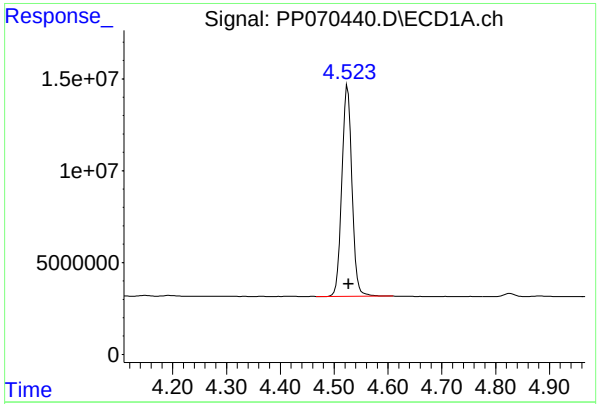
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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



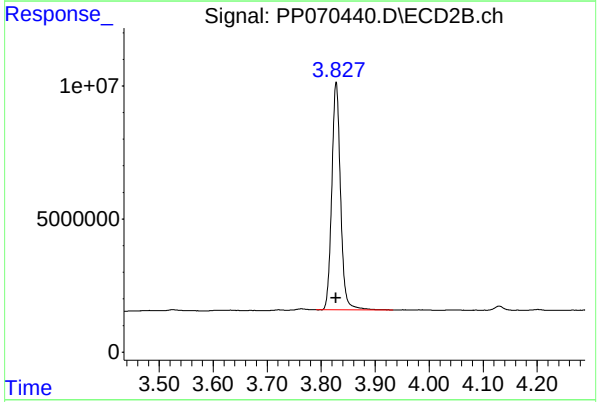




#1 Tetrachloro-m-xylene

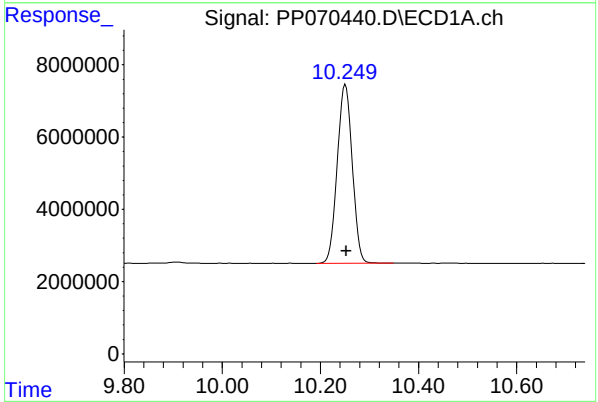
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 149140108
Conc: 93.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



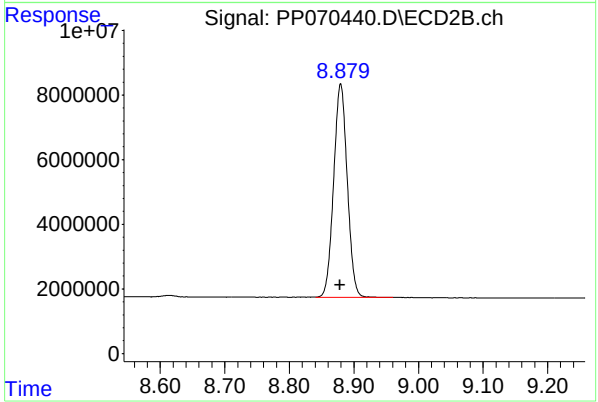
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 96720518
Conc: 94.83 ng/ml



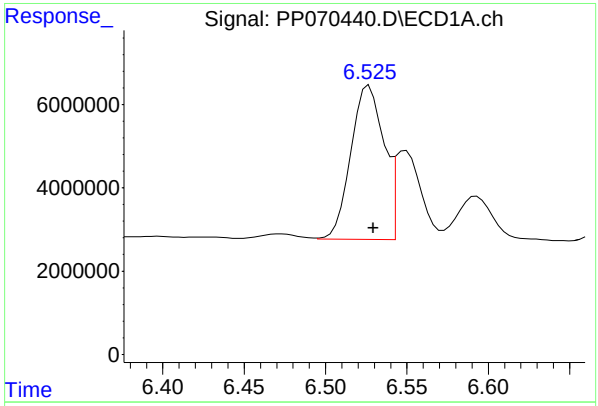
#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 105177464
Conc: 92.93 ng/ml



#2 Decachlorobiphenyl

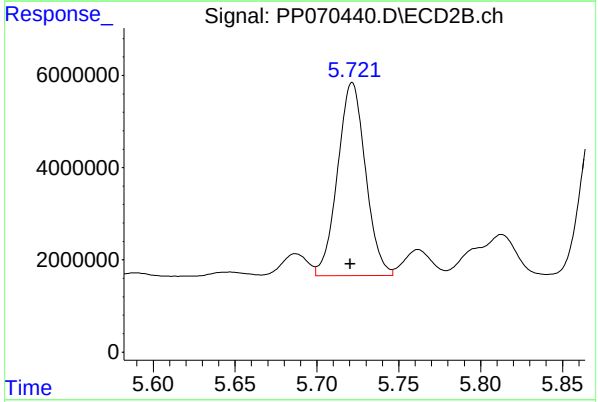
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 96618792
Conc: 88.89 ng/ml



#26 AR-1254-1

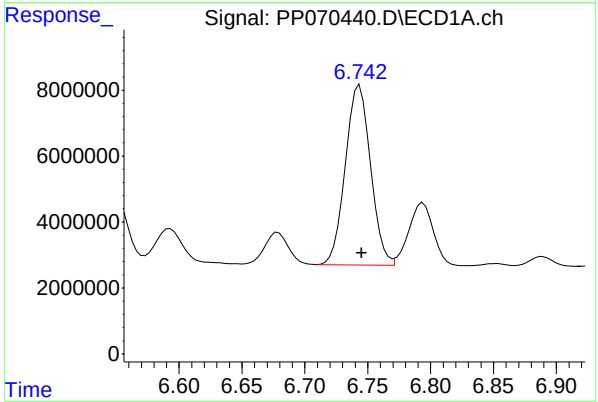
R.T.: 6.527 min
Delta R.T.: -0.003 min
Response: 52191144
Conc: 893.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



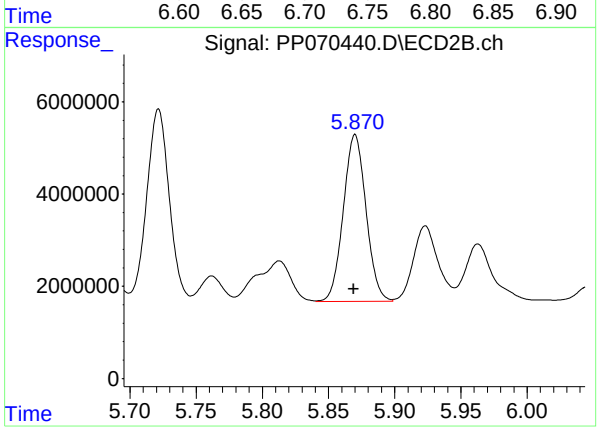
#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.001 min
Response: 49741488
Conc: 880.09 ng/ml



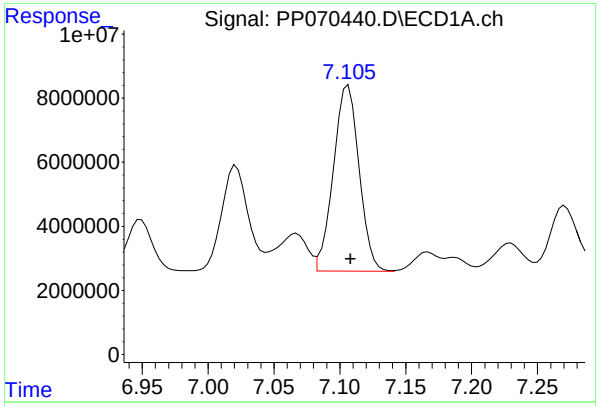
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 76163232
Conc: 909.45 ng/ml



#27 AR-1254-2

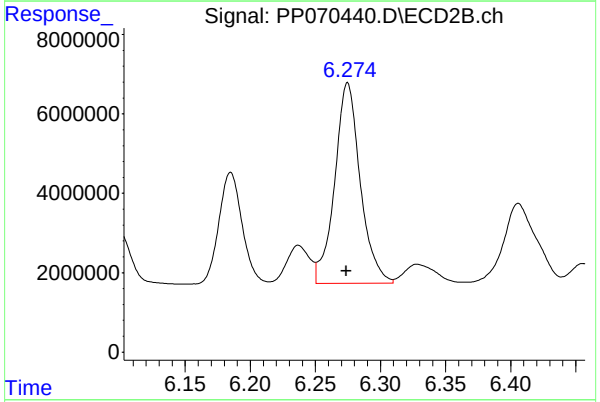
R.T.: 5.870 min
Delta R.T.: 0.001 min
Response: 43195538
Conc: 890.17 ng/ml



#28 AR-1254-3

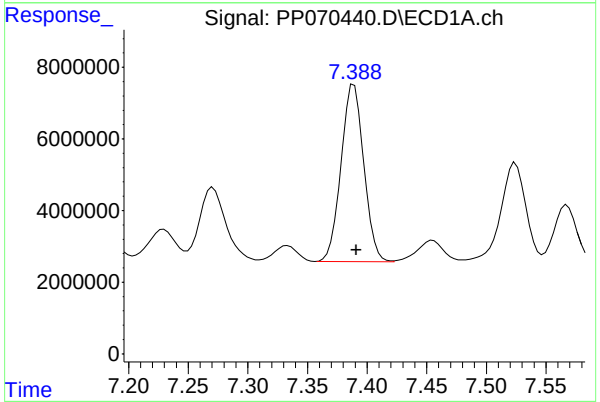
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 78867294
Conc: 913.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



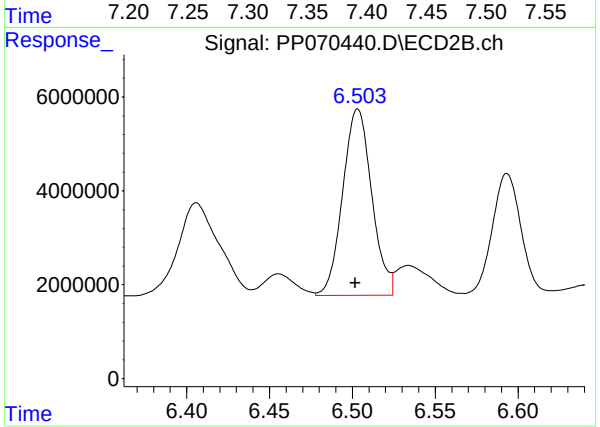
#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.001 min
Response: 69004581
Conc: 911.17 ng/ml



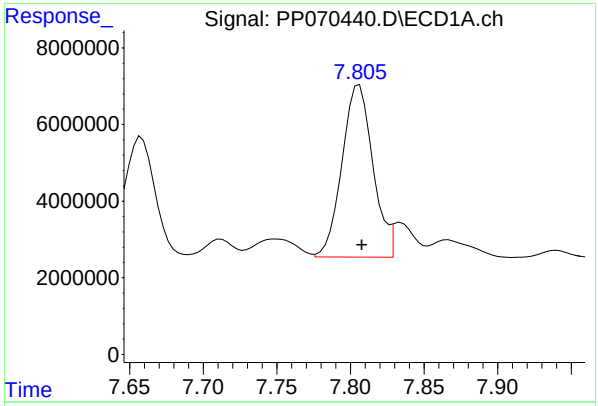
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.002 min
Response: 65665428
Conc: 916.69 ng/ml



#29 AR-1254-4

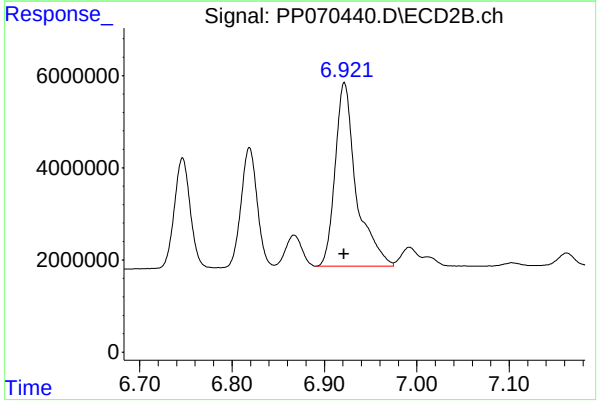
R.T.: 6.503 min
Delta R.T.: 0.001 min
Response: 48529875
Conc: 908.50 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 min
Response: 65604720
Conc: 923.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 63254548
Conc: 917.90 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:11
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.828	116.1E6	73807381	72.699	72.361
2)	SA Decachlor...	10.250	8.879	81355197	73665971	71.884	67.770
	Target Compounds						
26)	L6 AR-1254-1	6.526	5.722	41082518	39812295	703.361	704.410
27)	L6 AR-1254-2	6.743	5.870	59469212	34485922	710.112	710.681
28)	L6 AR-1254-3	7.106	6.275	60993256	54135888	706.405	714.835
29)	L6 AR-1254-4	7.388	6.503	51027528	38224583	712.343	715.580
30)	L6 AR-1254-5	7.806	6.922	50892047	48947585	716.295	710.286

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

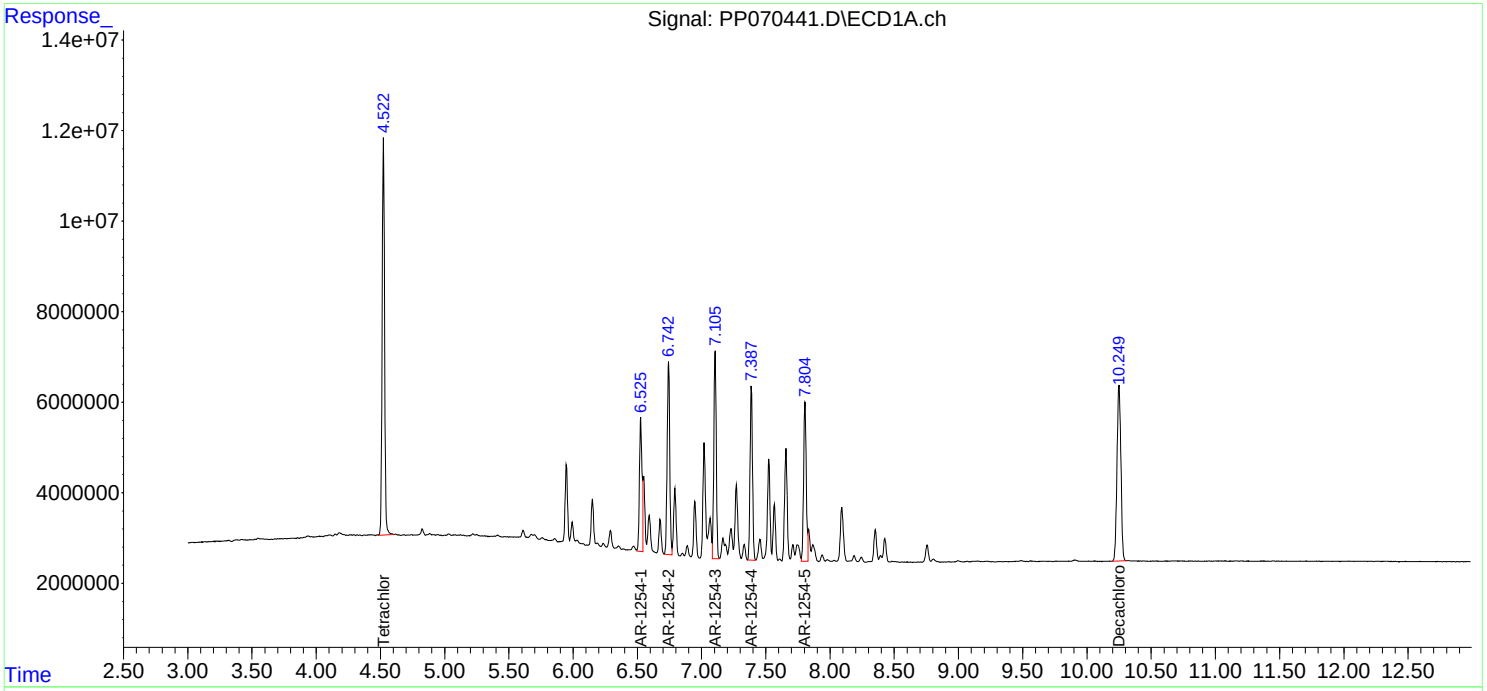
ICAL Form

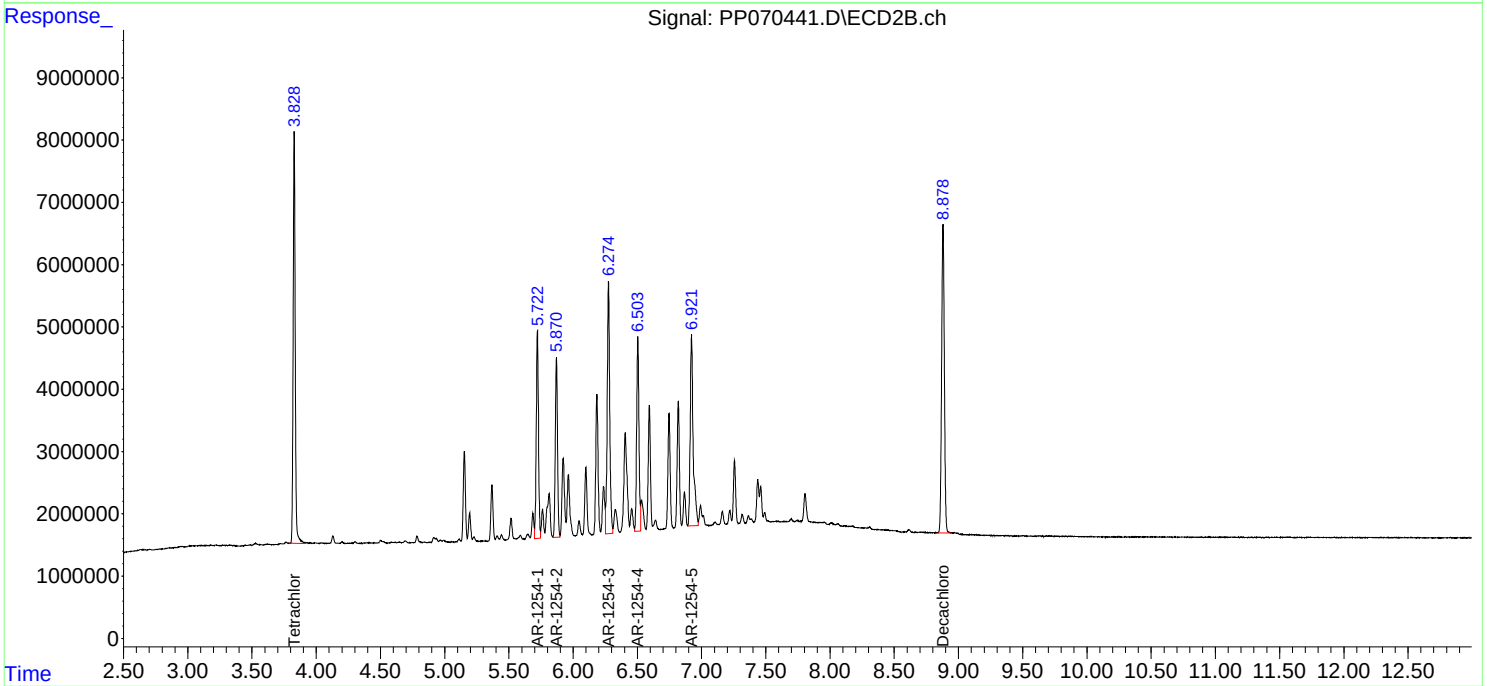
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:11
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

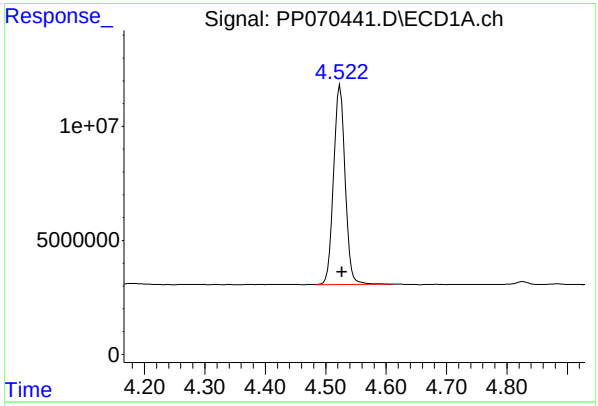
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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



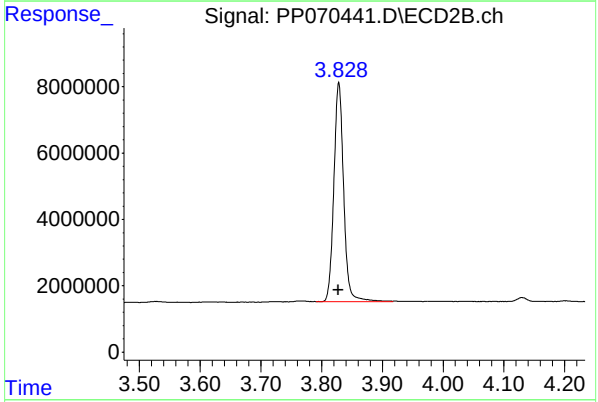




#1 Tetrachloro-m-xylene

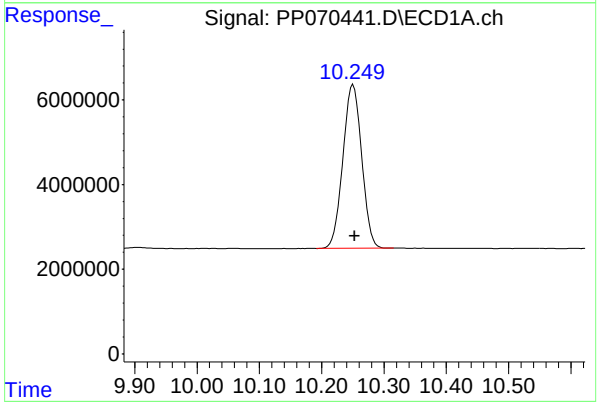
R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 116096349
Conc: 72.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



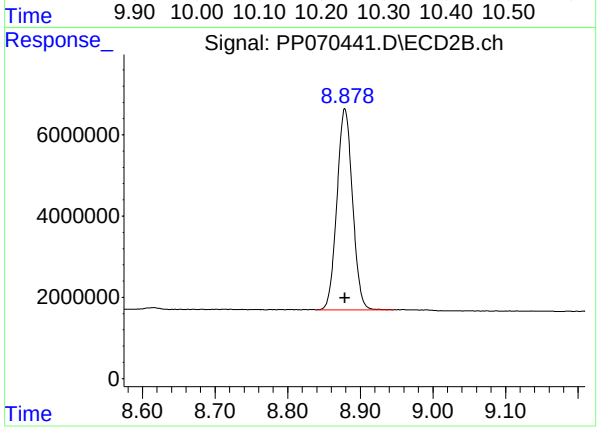
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.001 min
Response: 73807381
Conc: 72.36 ng/ml



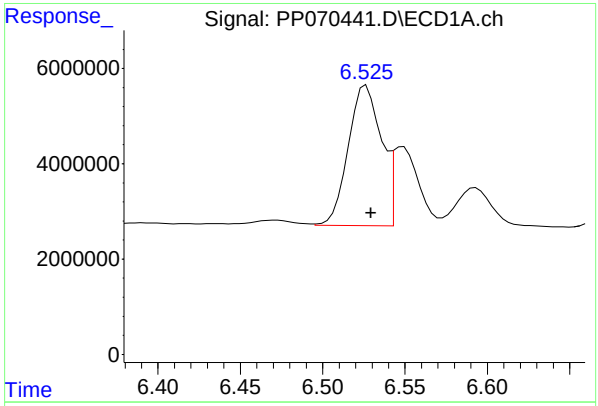
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.003 min
Response: 81355197
Conc: 71.88 ng/ml



#2 Decachlorobiphenyl

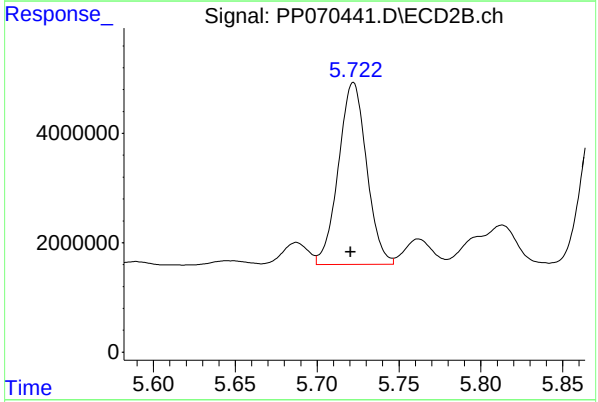
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 73665971
Conc: 67.77 ng/ml



#26 AR-1254-1

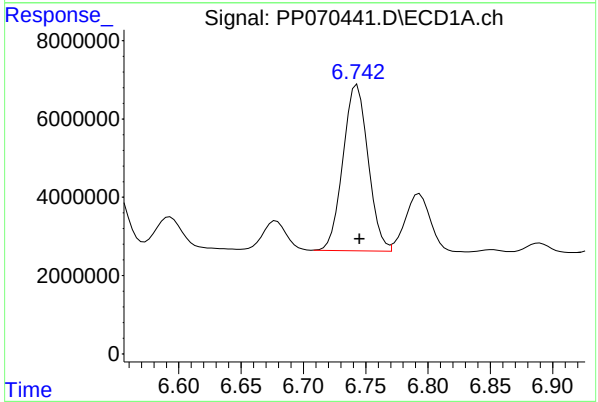
R.T.: 6.526 min
Delta R.T.: -0.003 min
Response: 41082518
Conc: 703.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



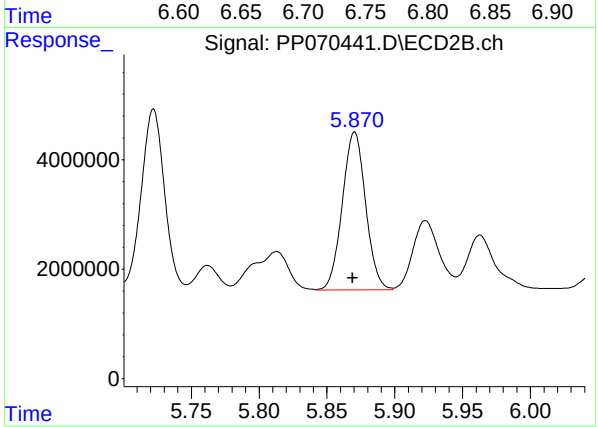
#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.002 min
Response: 39812295
Conc: 704.41 ng/ml



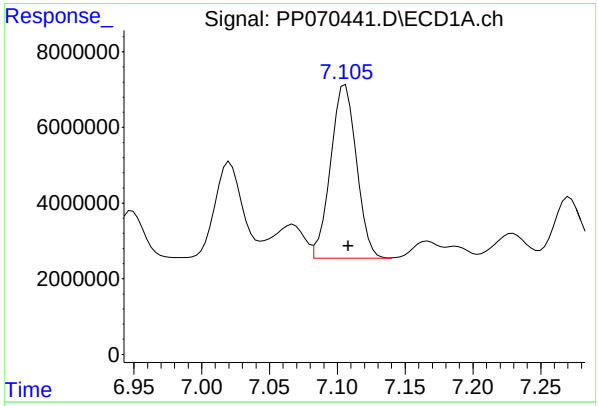
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 59469212
Conc: 710.11 ng/ml



#27 AR-1254-2

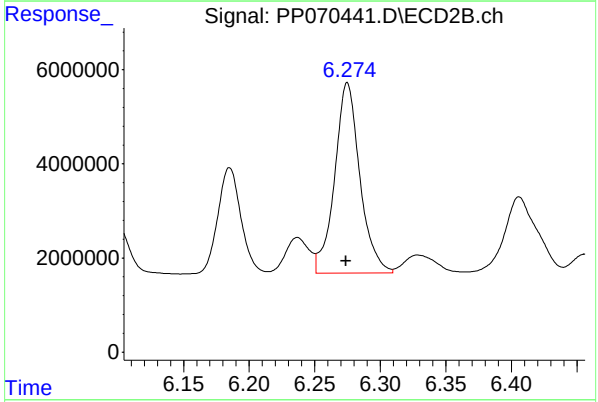
R.T.: 5.870 min
Delta R.T.: 0.002 min
Response: 34485922
Conc: 710.68 ng/ml



#28 AR-1254-3

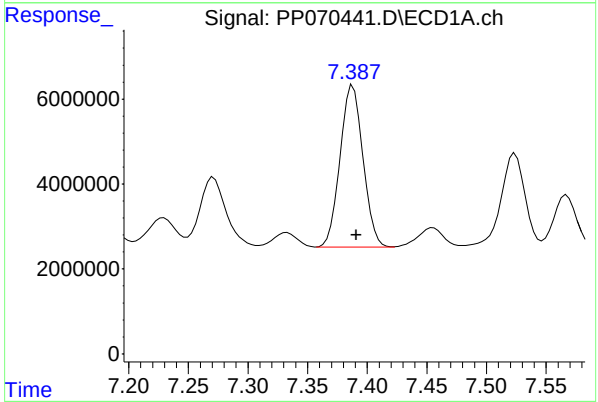
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 60993256
Conc: 706.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



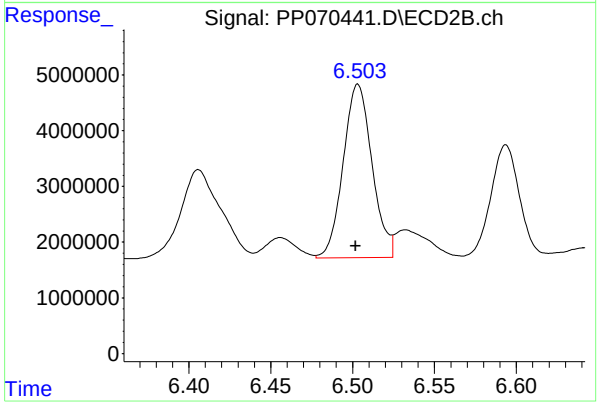
#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.001 min
Response: 54135888
Conc: 714.83 ng/ml



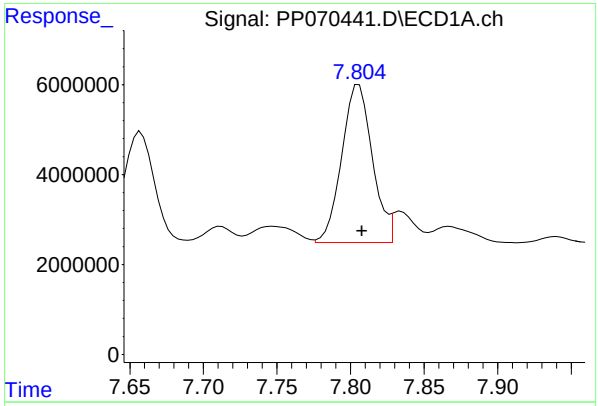
#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 51027528
Conc: 712.34 ng/ml



#29 AR-1254-4

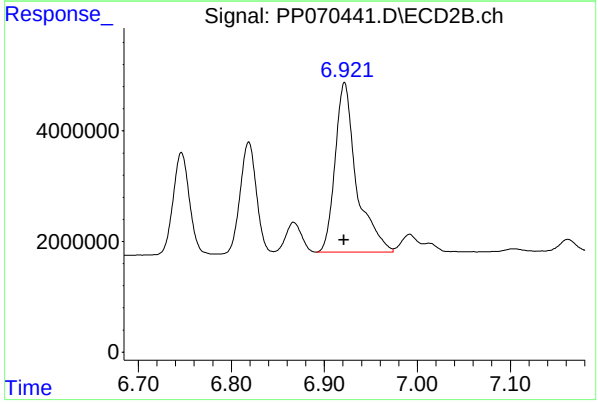
R.T.: 6.503 min
Delta R.T.: 0.001 min
Response: 38224583
Conc: 715.58 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 min
Response: 50892047
Conc: 716.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 48947585
Conc: 710.29 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:28
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.827	79847648	50999382	50.000	50.000
2)	SA Decachlor...	10.253	8.879	56587852	54349698	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.529	5.721	29204431	28259314	500.000	500.000
27)	L6 AR-1254-2	6.745	5.869	41873104	24262597	500.000	500.000
28)	L6 AR-1254-3	7.108	6.274	43171573	37866013	500.000	500.000
29)	L6 AR-1254-4	7.391	6.502	35816695	26708804	500.000	500.000
30)	L6 AR-1254-5	7.808	6.921	35524526	34456229	500.000	500.000

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

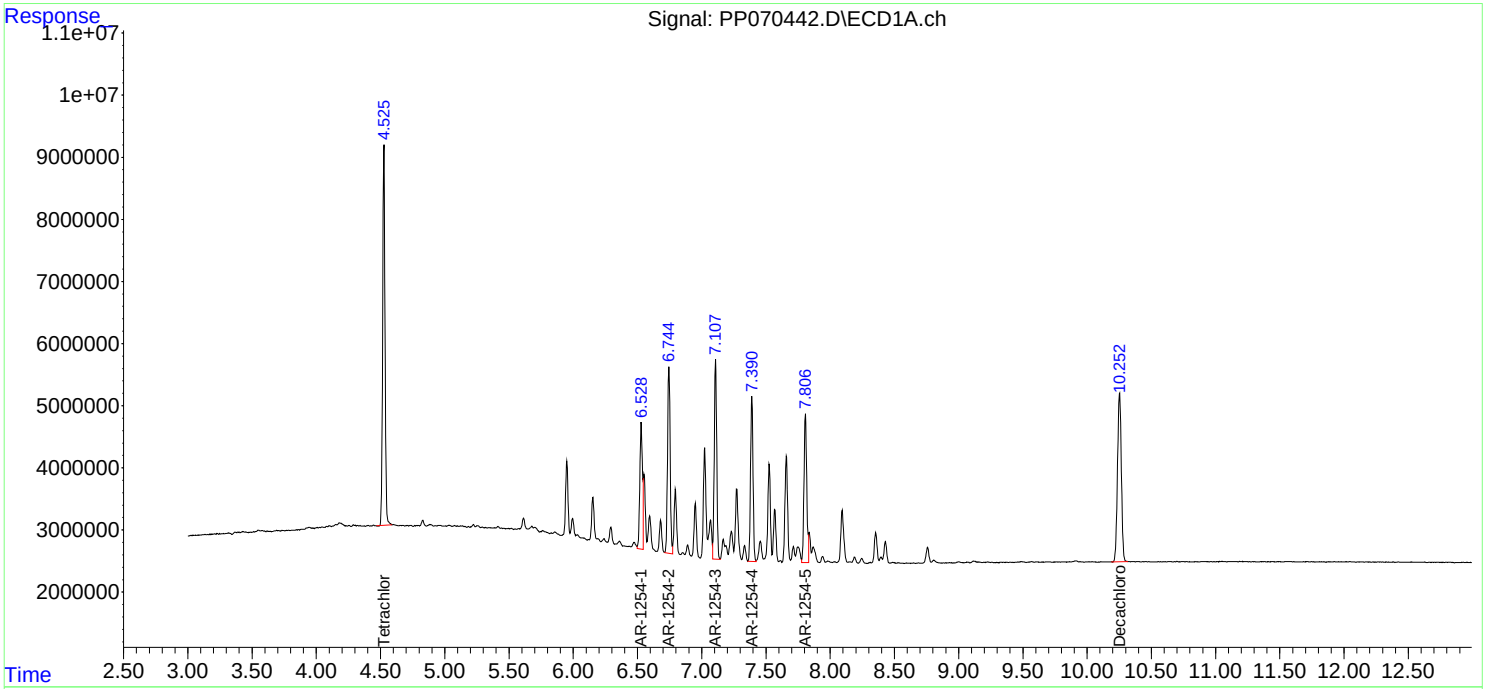
ICAL Form

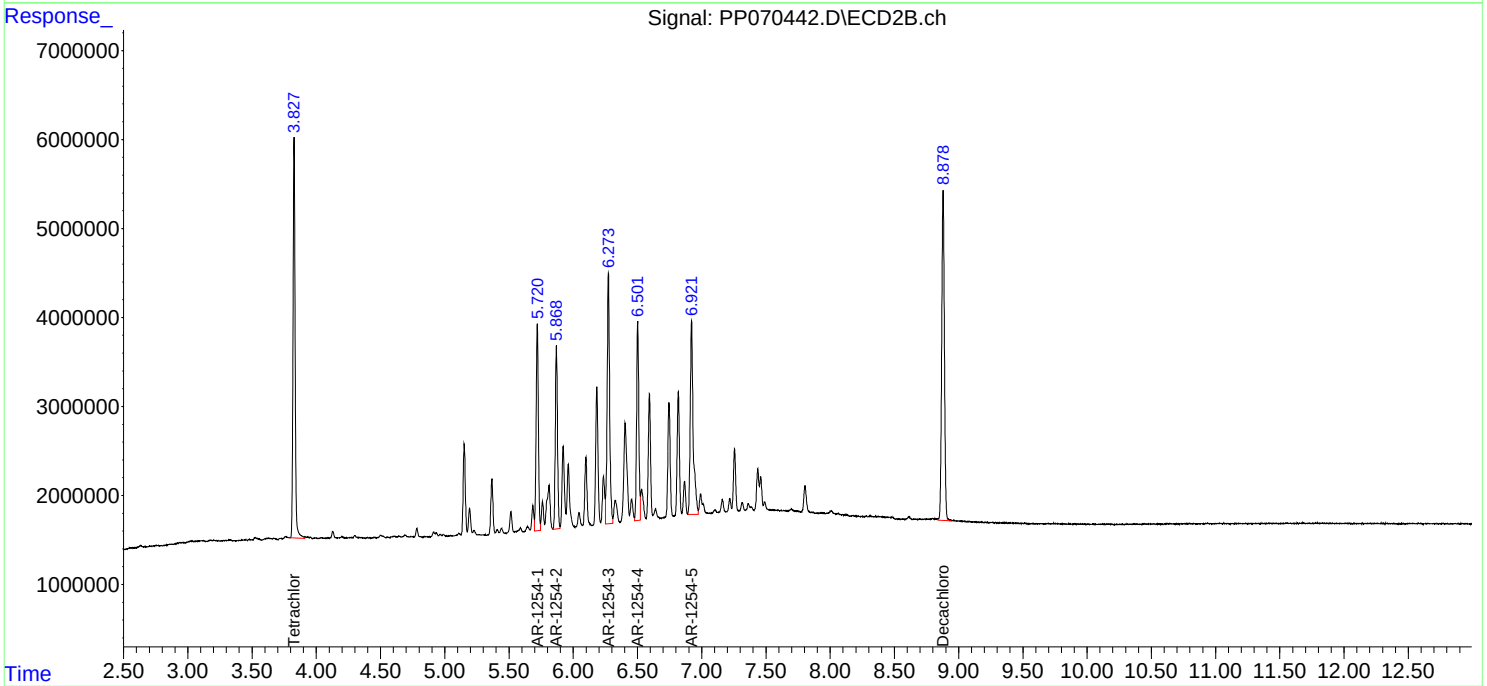
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:28
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

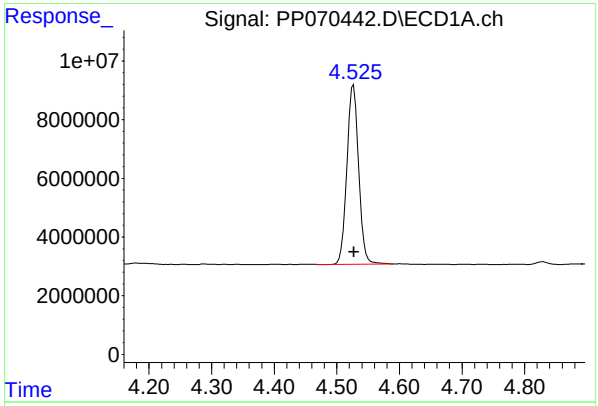
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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



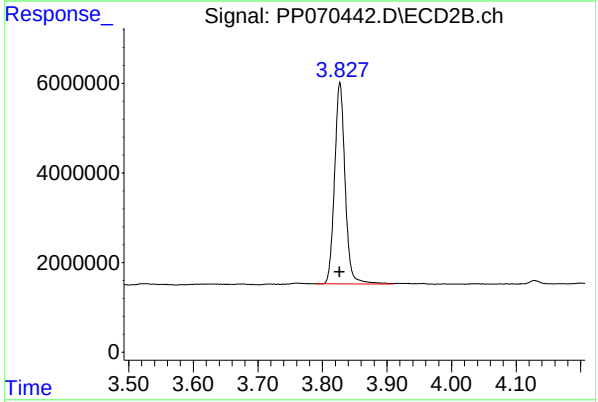




#1 Tetrachloro-m-xylene

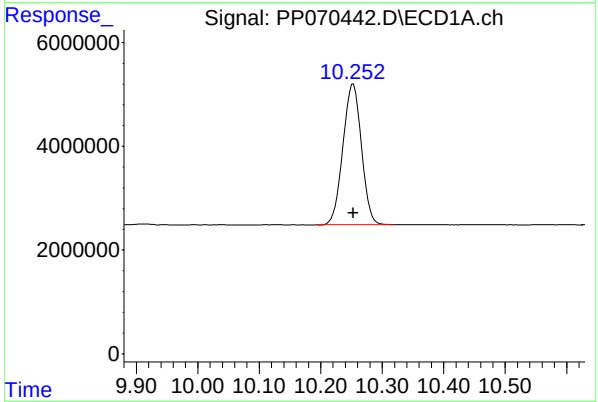
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 79847648
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



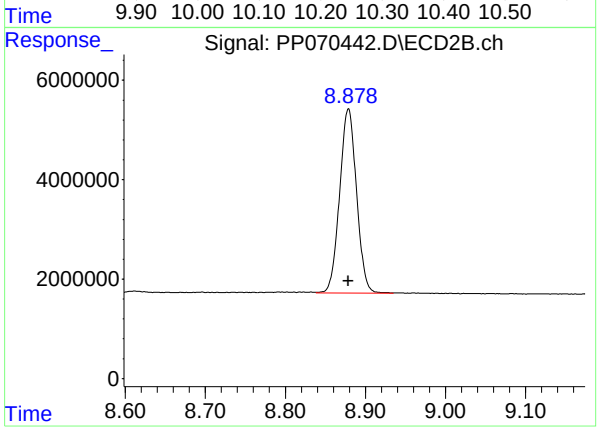
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 50999382
Conc: 50.00 ng/ml



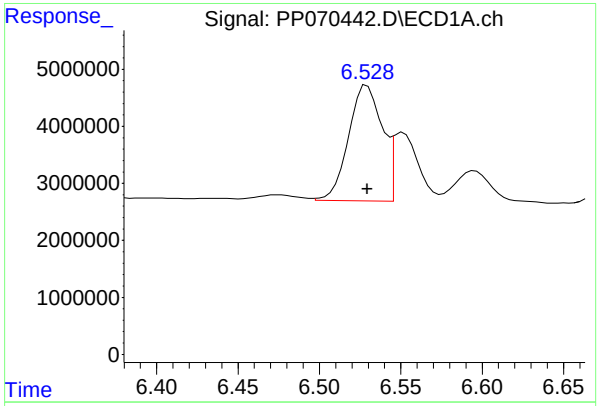
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 56587852
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

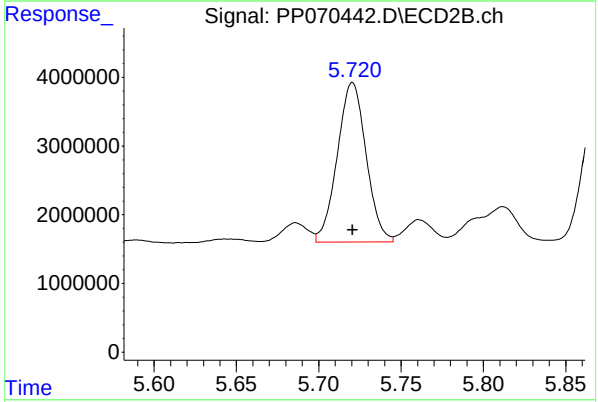
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 54349698
Conc: 50.00 ng/ml



#26 AR-1254-1

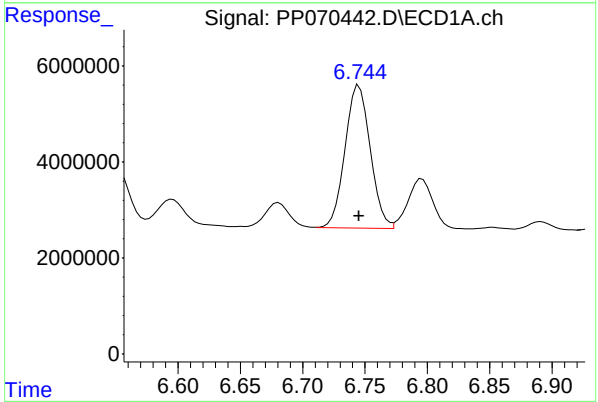
R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 29204431
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



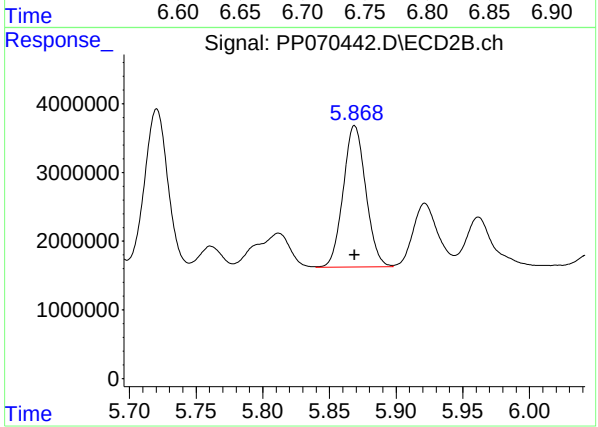
#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 28259314
Conc: 500.00 ng/ml



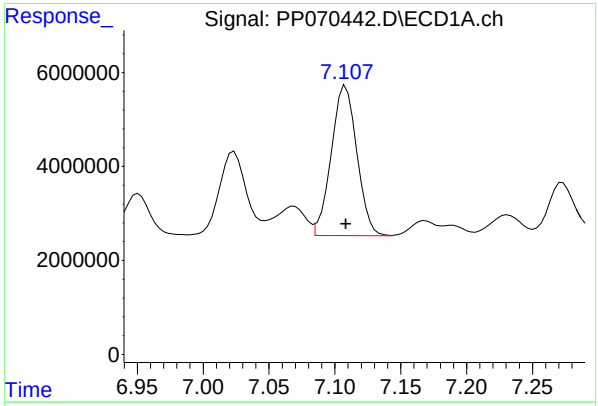
#27 AR-1254-2

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 41873104
Conc: 500.00 ng/ml



#27 AR-1254-2

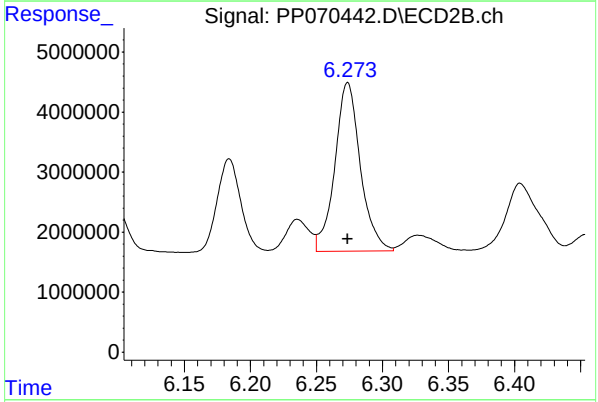
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 24262597
Conc: 500.00 ng/ml



#28 AR-1254-3

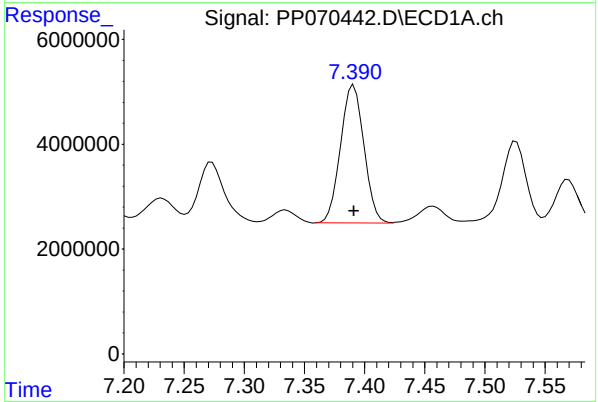
R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 43171573
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



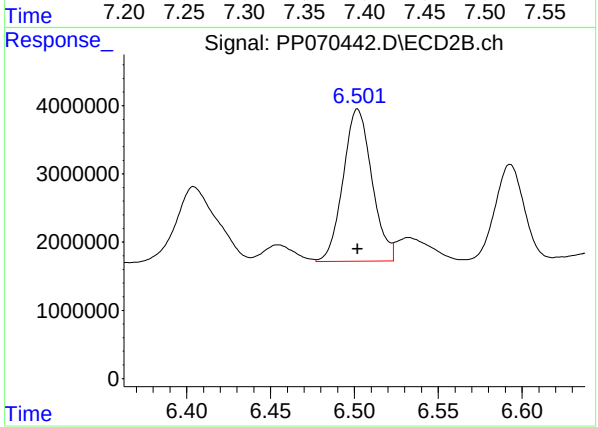
#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 37866013
Conc: 500.00 ng/ml



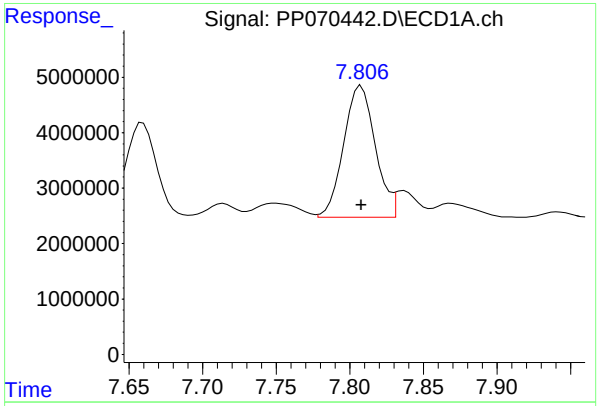
#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: 0.000 min
Response: 35816695
Conc: 500.00 ng/ml



#29 AR-1254-4

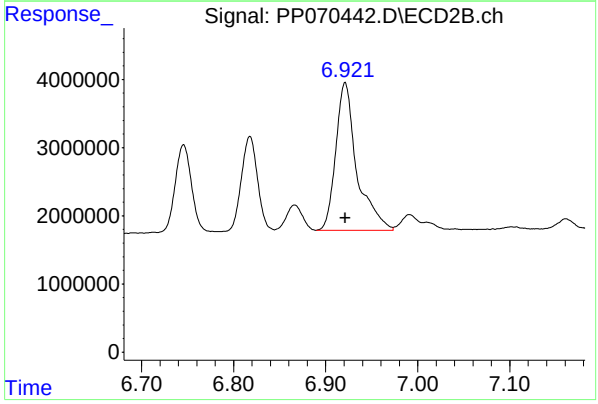
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 26708804
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 35524526
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 34456229
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:44
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.522	3.828	41995422	27154292	26.297	26.622
2)	SA Decachlor...	10.247	8.879	29750638	28828167	26.287	26.521
	Target Compounds						
26)	L6 AR-1254-1	6.524	5.721	15632135	15086022	267.633	266.921
27)	L6 AR-1254-2	6.740	5.869	22251661	13109555	265.704	270.160
28)	L6 AR-1254-3	7.103	6.274	22535007	20354474	260.994	268.770
29)	L6 AR-1254-4	7.386	6.502	18941969	14262234	264.429	266.995
30)	L6 AR-1254-5	7.802	6.921	18651779	18303656	262.520	265.607

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

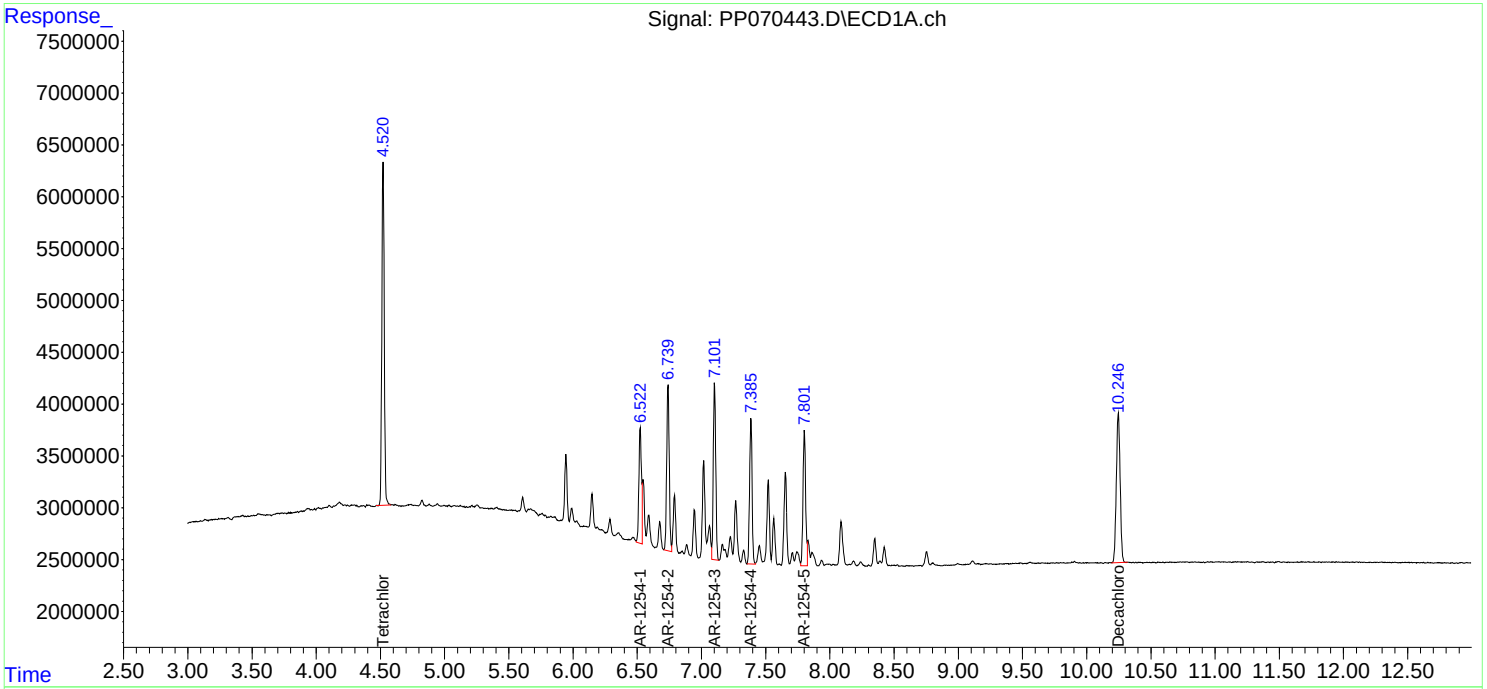
ICAL Form

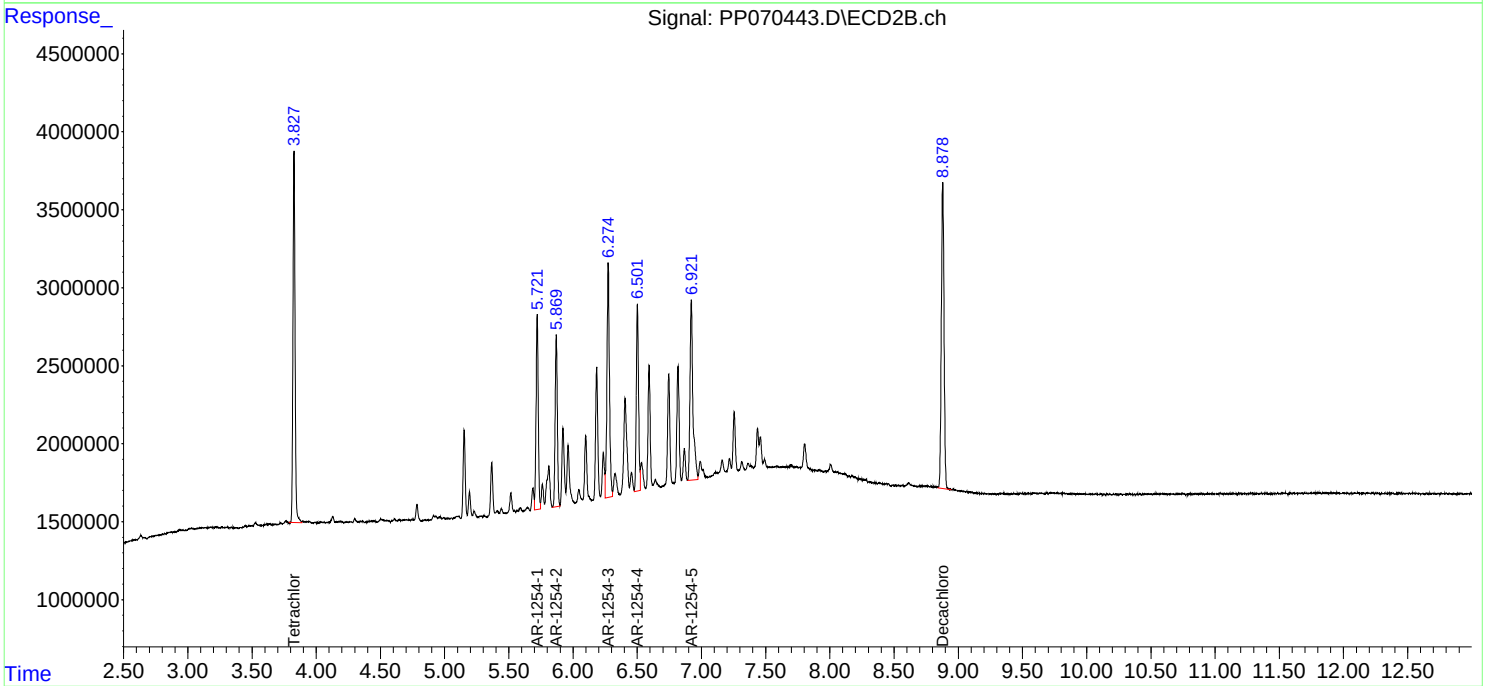
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:44
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

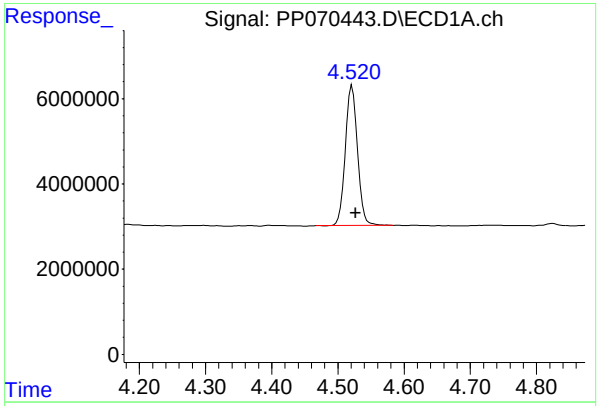
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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



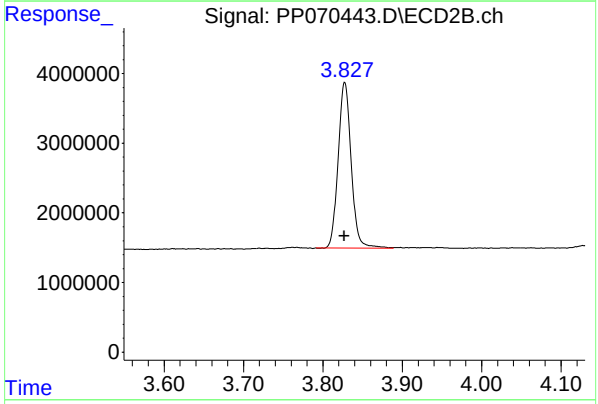




#1 Tetrachloro-m-xylene

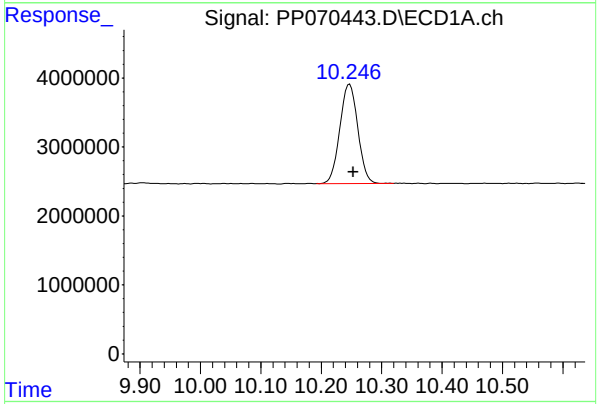
R.T.: 4.522 min
Delta R.T.: -0.005 mi
Response: 41995422
Conc: 26.30 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



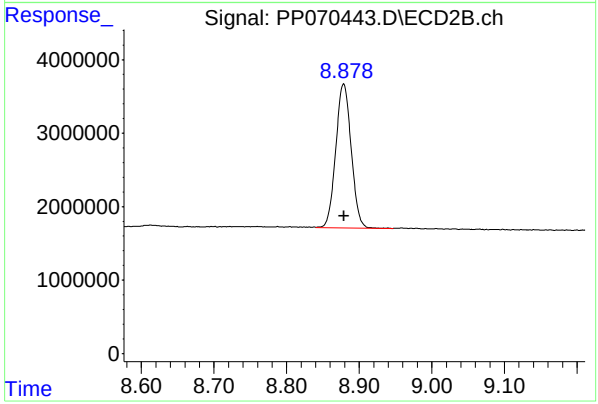
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 27154292
Conc: 26.62 ng/ml



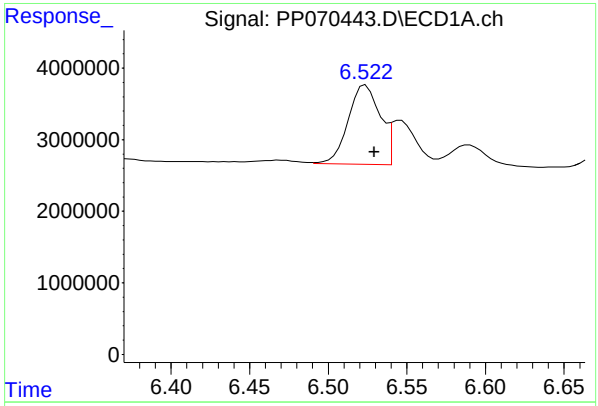
#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.006 min
Response: 29750638
Conc: 26.29 ng/ml



#2 Decachlorobiphenyl

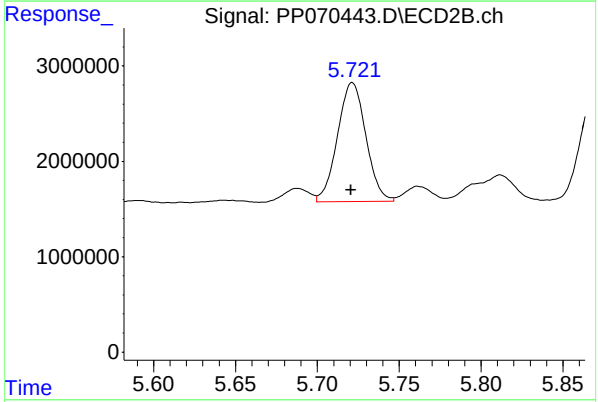
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 28828167
Conc: 26.52 ng/ml



#26 AR-1254-1

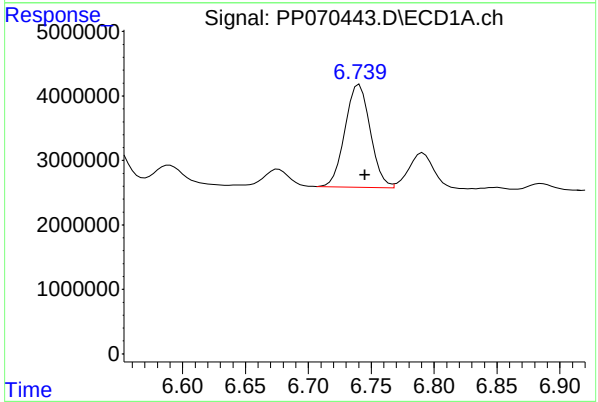
R.T.: 6.524 min
Delta R.T.: -0.006 mi
Response: 15632135
Conc: 267.63 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



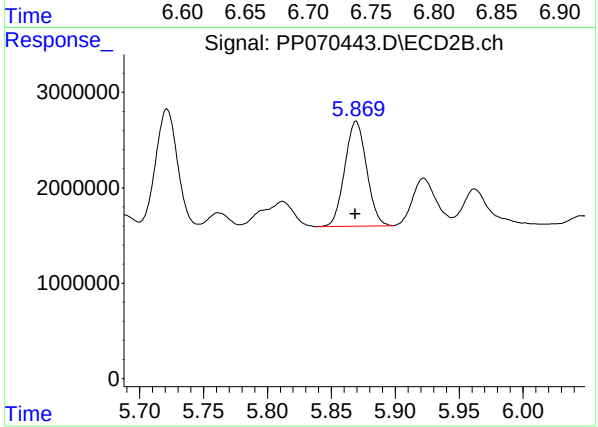
#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 15086022
Conc: 266.92 ng/ml



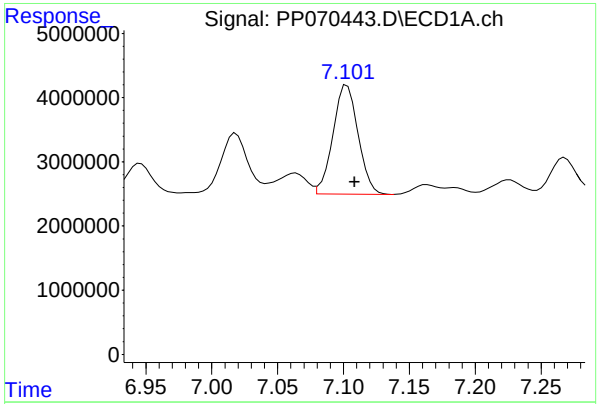
#27 AR-1254-2

R.T.: 6.740 min
Delta R.T.: -0.005 min
Response: 22251661
Conc: 265.70 ng/ml



#27 AR-1254-2

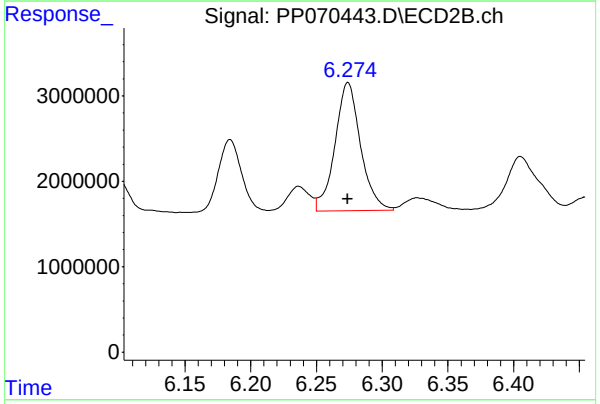
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 13109555
Conc: 270.16 ng/ml



#28 AR-1254-3

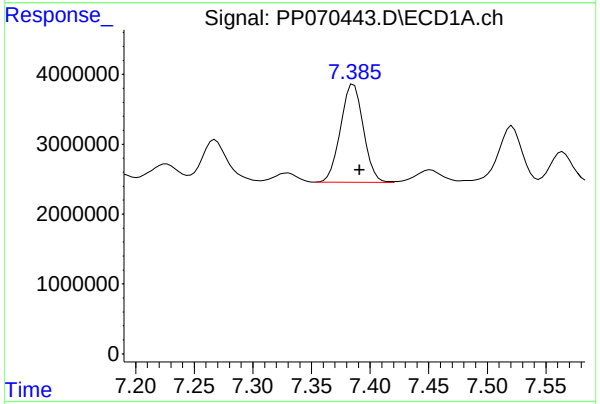
R.T.: 7.103 min
Delta R.T.: -0.006 mi
Response: 22535007
Conc: 260.99 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



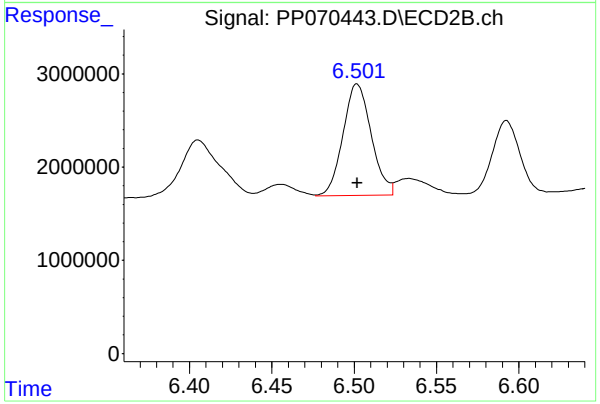
#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 20354474
Conc: 268.77 ng/ml



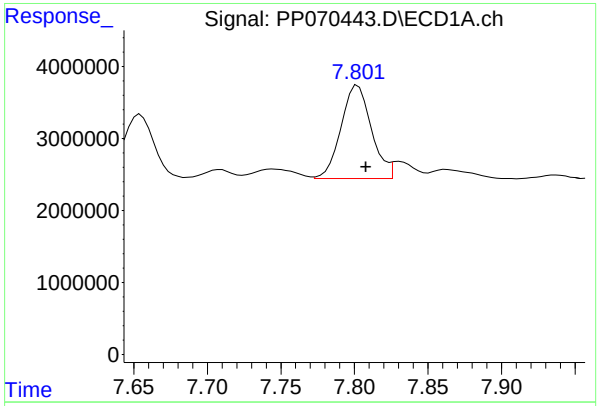
#29 AR-1254-4

R.T.: 7.386 min
Delta R.T.: -0.005 min
Response: 18941969
Conc: 264.43 ng/ml



#29 AR-1254-4

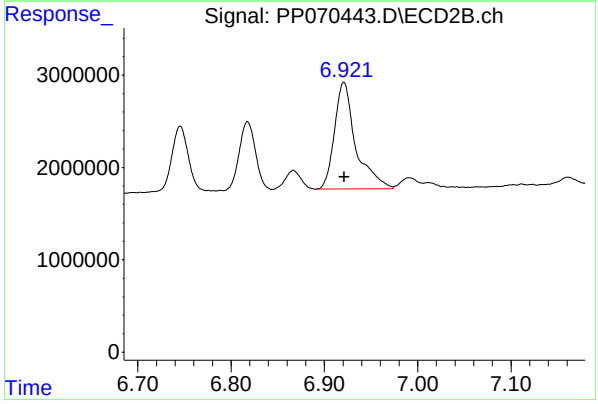
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 14262234
Conc: 266.99 ng/ml



#30 AR-1254-5

R.T.: 7.802 min
Delta R.T.: -0.005 mi
Response: 18651779
Conc: 262.52 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 18303656
Conc: 265.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:00
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	8190039	4946549	5.129	4.850
2)	SA Decachlor...	10.249	8.879	5357119	5757506	4.733	5.297
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.722	2919684	3096335	49.987	54.784
27)	L6 AR-1254-2	6.743	5.870	3852617	2719612	46.003	56.045
28)	L6 AR-1254-3	7.107	6.275	4209211	3937712	48.750	51.995
29)	L6 AR-1254-4	7.388	6.503	3479126	2689850	48.568	50.355
30)	L6 AR-1254-5	7.806	6.922	3508468	3731398	49.381	54.147

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

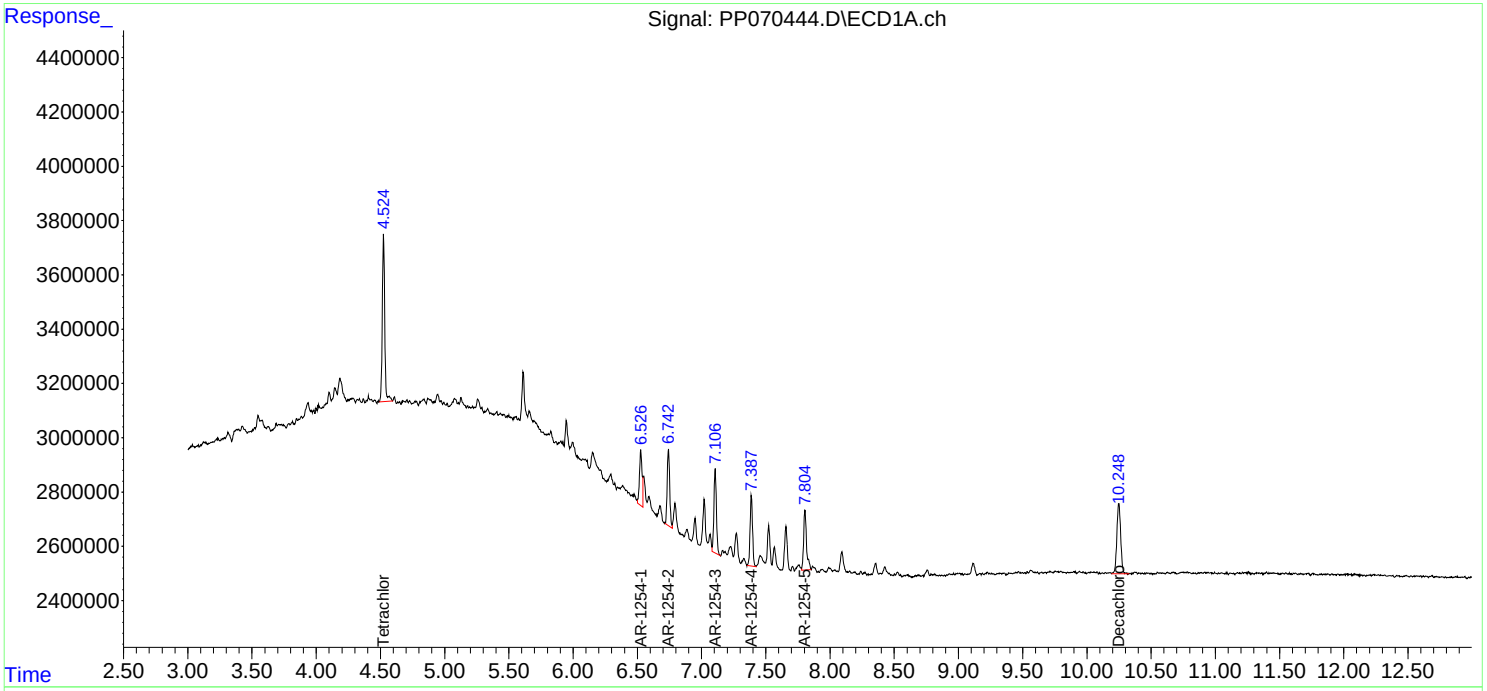
ICAL Form

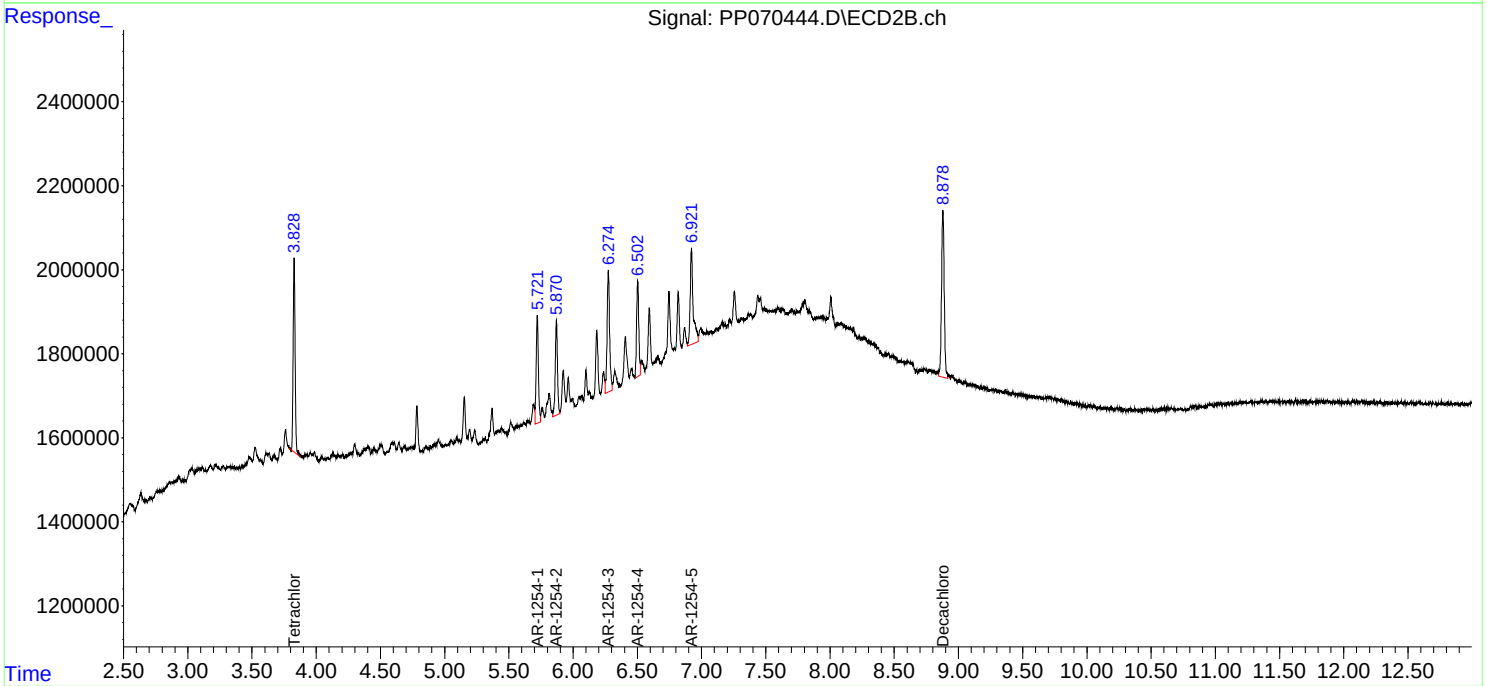
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:00
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

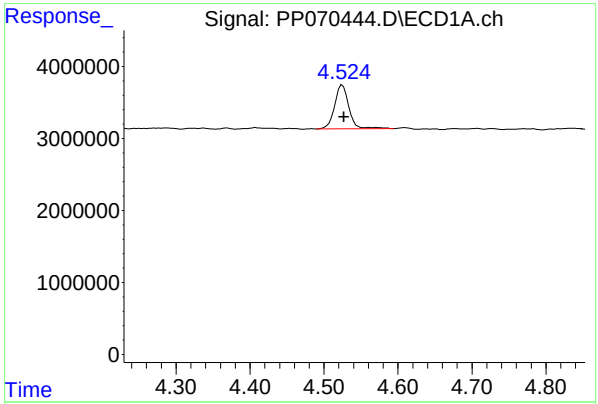
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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



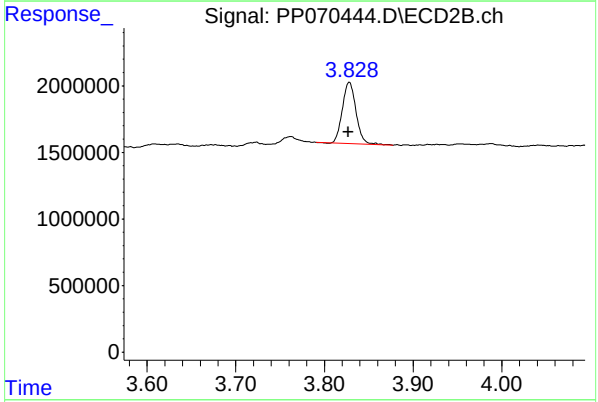




#1 Tetrachloro-m-xylene

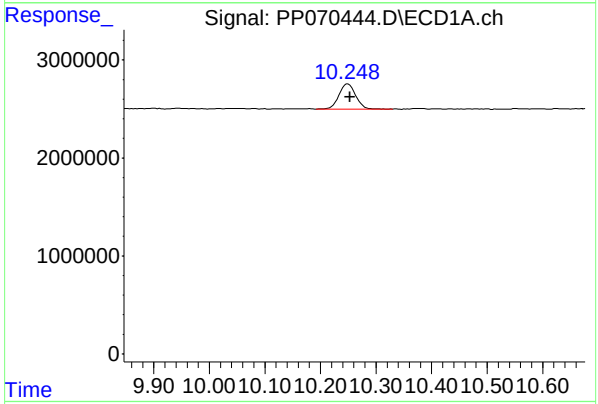
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 8190039
Conc: 5.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



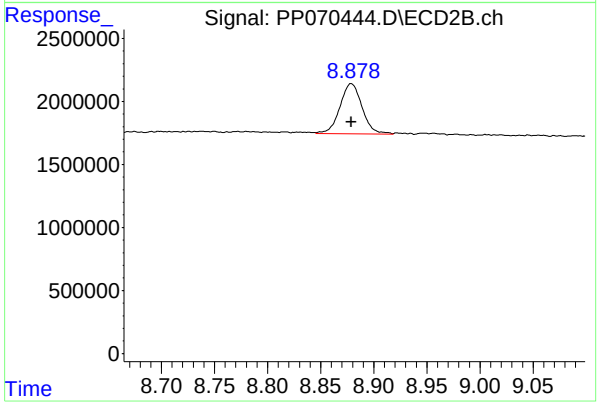
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.001 min
Response: 4946549
Conc: 4.85 ng/ml



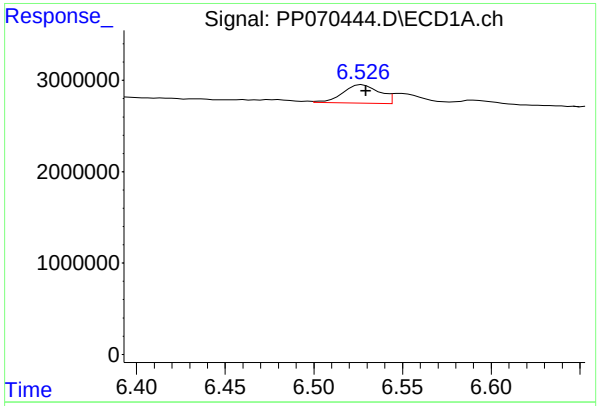
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.004 min
Response: 5357119
Conc: 4.73 ng/ml



#2 Decachlorobiphenyl

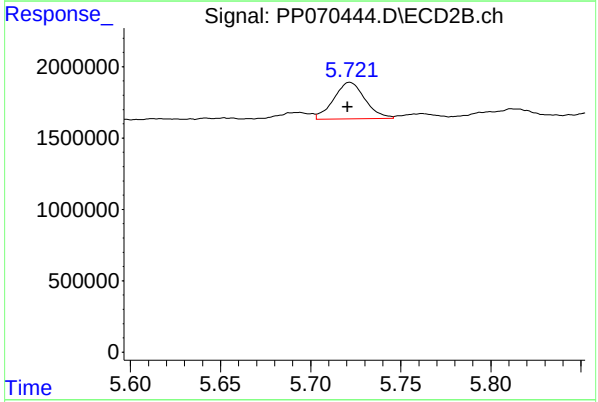
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 5757506
Conc: 5.30 ng/ml



#26 AR-1254-1

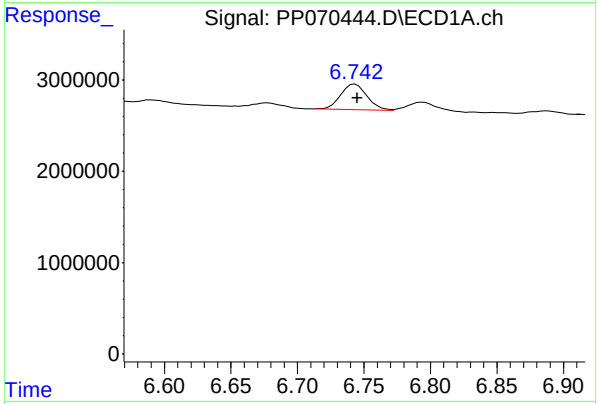
R.T.: 6.527 min
Delta R.T.: -0.002 min
Response: 2919684
Conc: 49.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



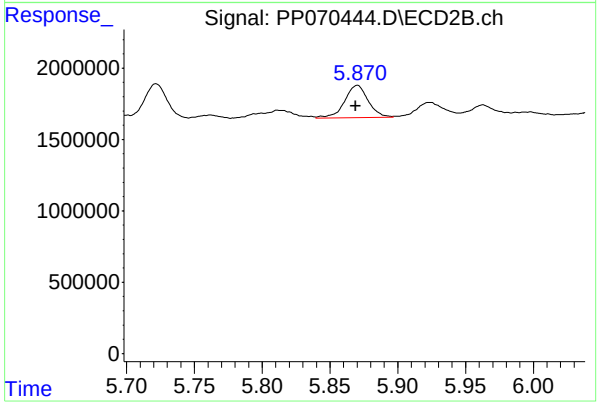
#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.001 min
Response: 3096335
Conc: 54.78 ng/ml



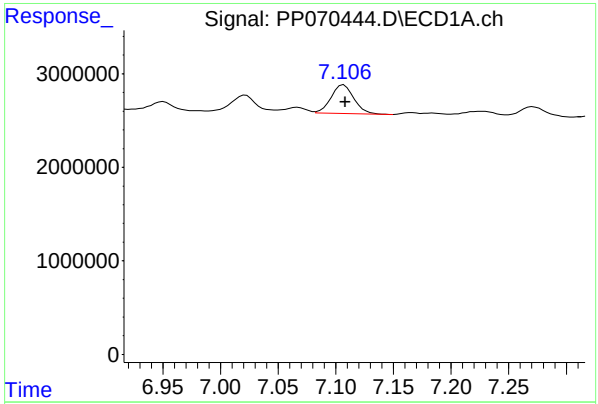
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 3852617
Conc: 46.00 ng/ml



#27 AR-1254-2

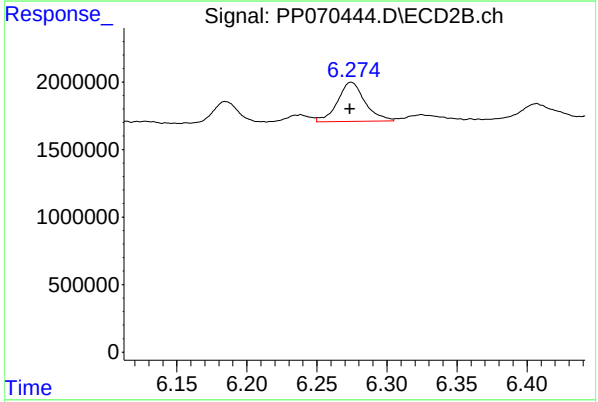
R.T.: 5.870 min
Delta R.T.: 0.001 min
Response: 2719612
Conc: 56.05 ng/ml



#28 AR-1254-3

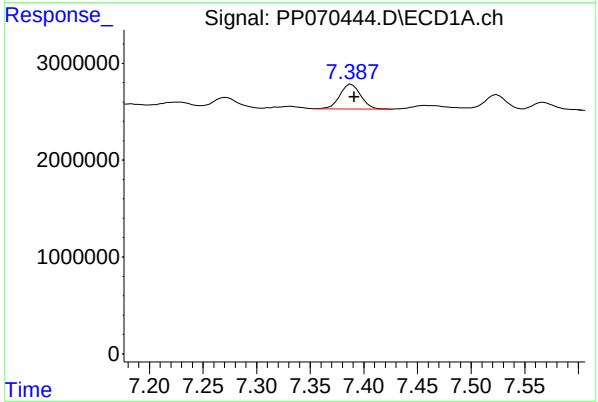
R.T.: 7.107 min
Delta R.T.: -0.001 min
Response: 4209211
Conc: 48.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



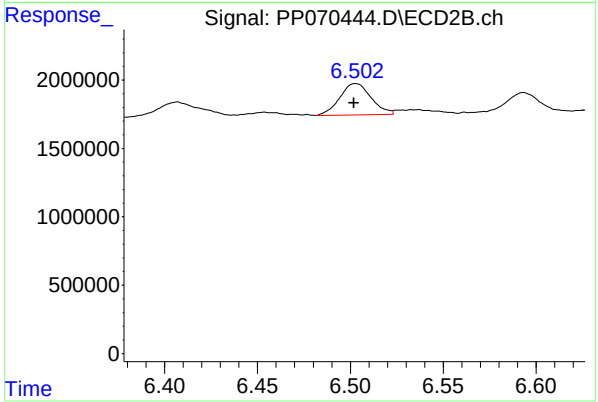
#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 3937712
Conc: 52.00 ng/ml



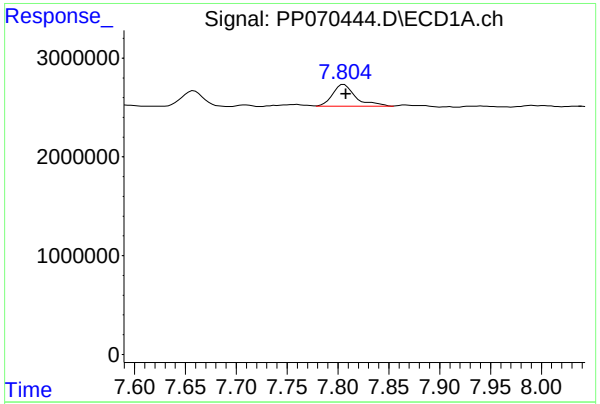
#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 3479126
Conc: 48.57 ng/ml



#29 AR-1254-4

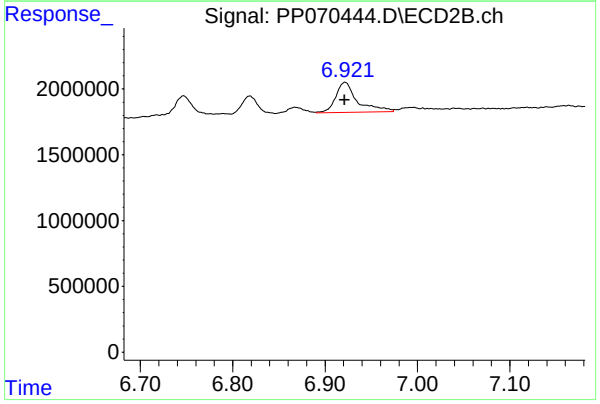
R.T.: 6.503 min
Delta R.T.: 0.000 min
Response: 2689850
Conc: 50.36 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 mi
Response: 3508468
Conc: 49.38 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 3731398
Conc: 54.15 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:16
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:53:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.828	79987375	50598241	50.000	50.000
2)	SA Decachlor...	10.249	8.880	55265895	53517923	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.107	6.960	40859309	41831981	500.000	500.000
37)	L8 AR-1262-2	8.427	7.219	82356816	34364927	500.000	500.000
38)	L8 AR-1262-3	8.745	7.743	56082248	32993103	500.000	500.000
39)	L8 AR-1262-4	8.830	7.808	41901860	52217661	500.000	500.000
40)	L8 AR-1262-5	9.487	8.310	29448112	25775032	500.000	500.000

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

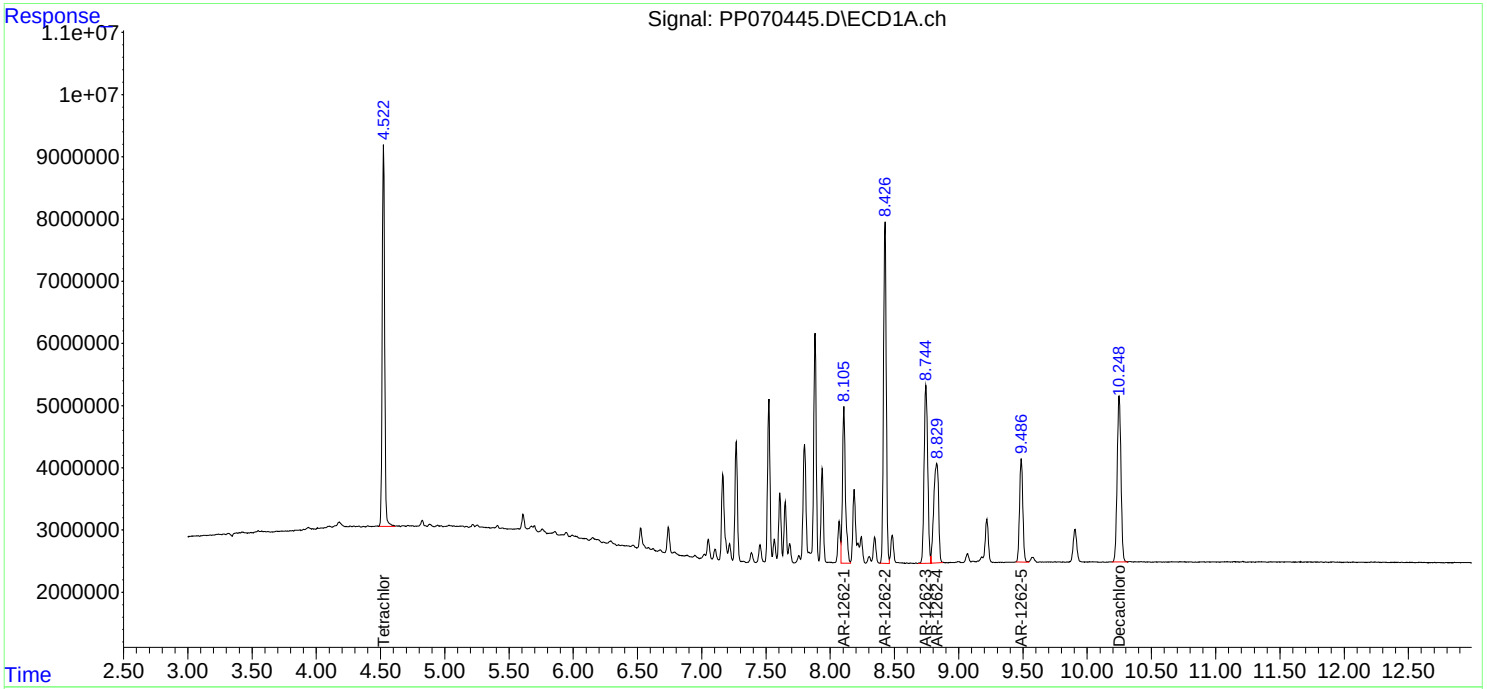
ICAL Form

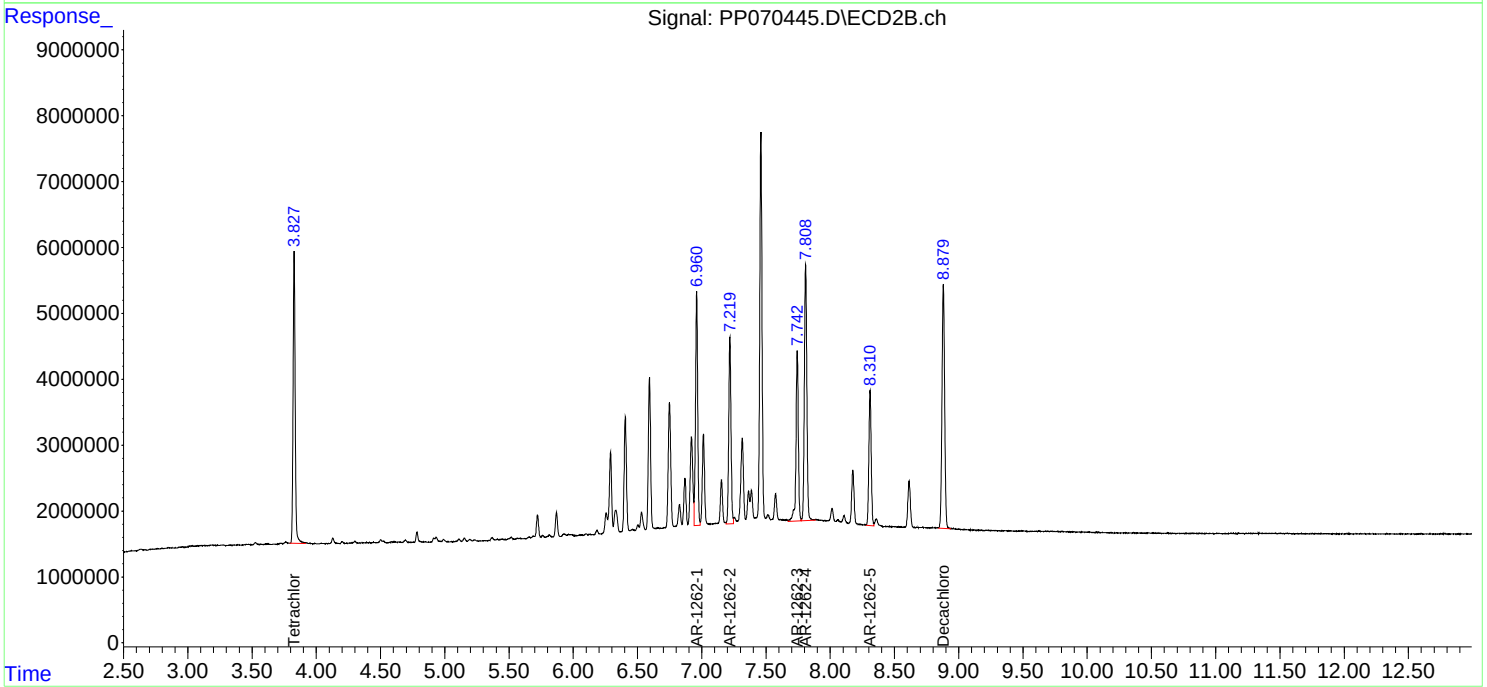
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:16
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

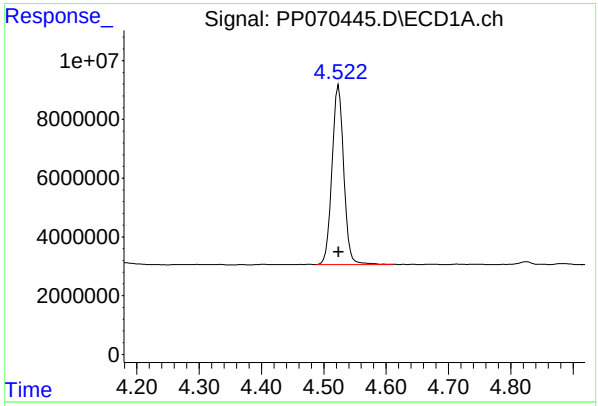
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:53:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



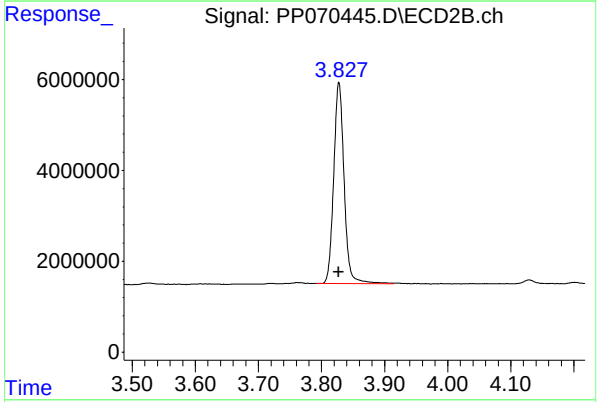




#1 Tetrachloro-m-xylene

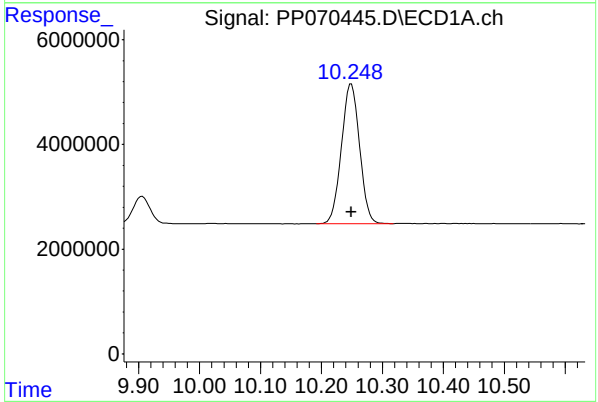
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79987375
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



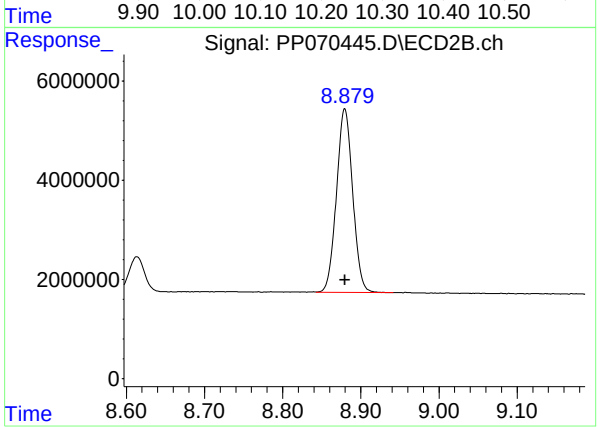
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 50598241
Conc: 50.00 ng/ml



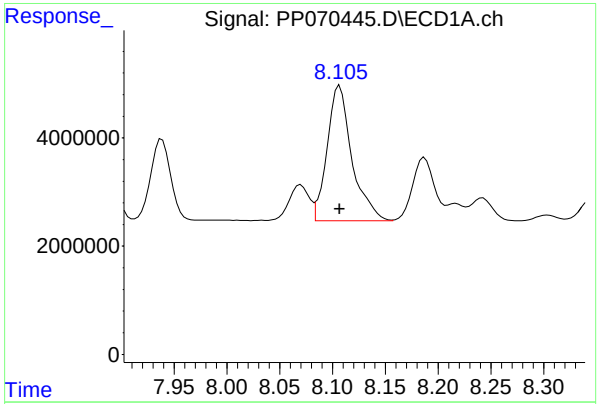
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: 0.000 min
Response: 55265895
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

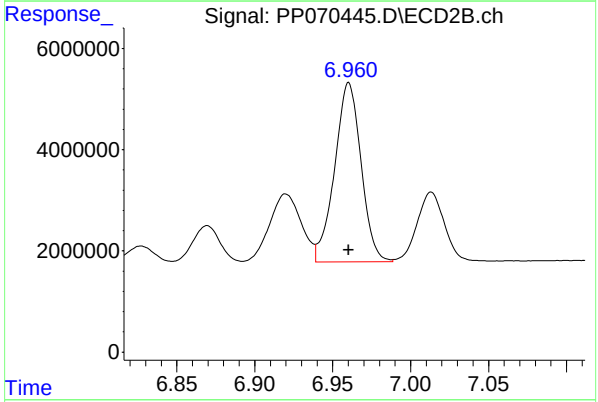
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 53517923
Conc: 50.00 ng/ml



#36 AR-1262-1

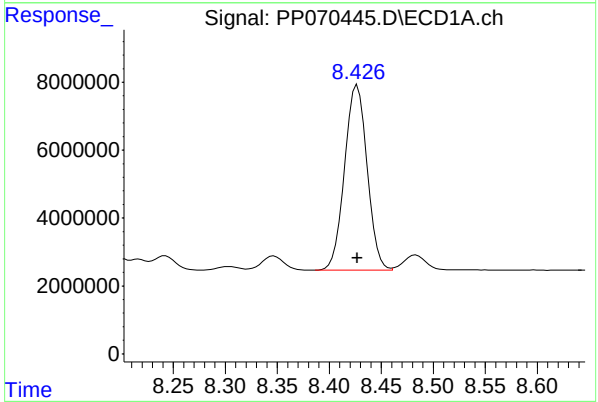
R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 40859309
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



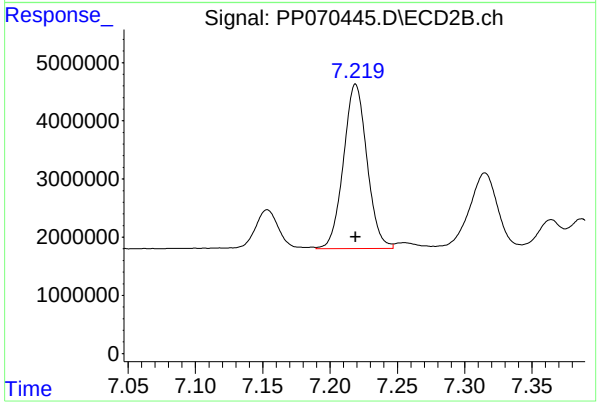
#36 AR-1262-1

R.T.: 6.960 min
Delta R.T.: 0.000 min
Response: 41831981
Conc: 500.00 ng/ml



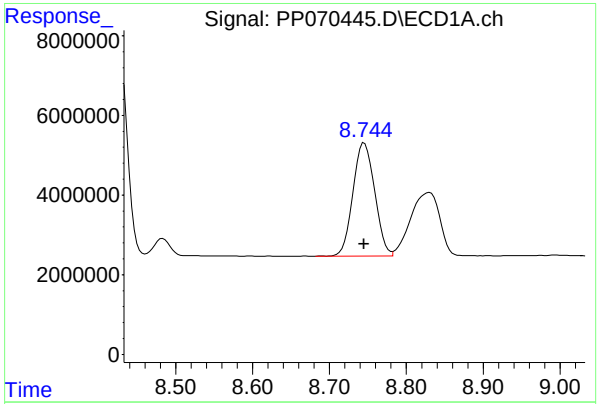
#37 AR-1262-2

R.T.: 8.427 min
Delta R.T.: 0.000 min
Response: 82356816
Conc: 500.00 ng/ml



#37 AR-1262-2

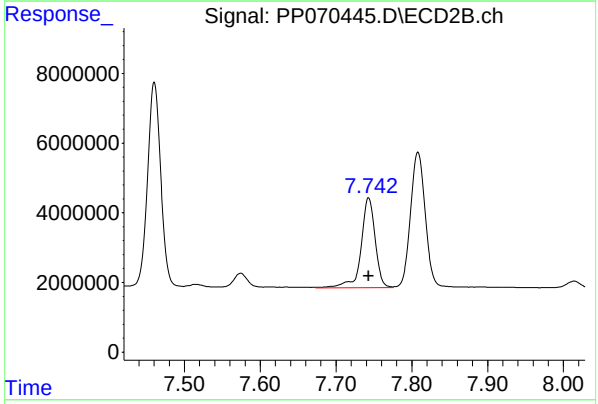
R.T.: 7.219 min
Delta R.T.: 0.000 min
Response: 34364927
Conc: 500.00 ng/ml



#38 AR-1262-3

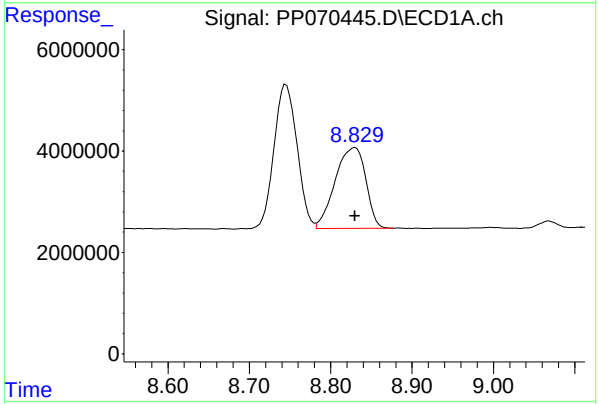
R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 56082248
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



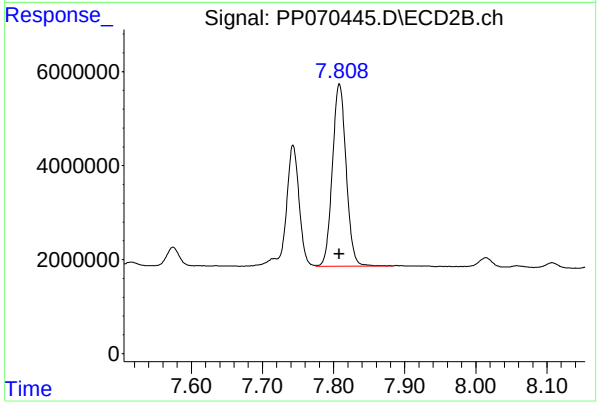
#38 AR-1262-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 32993103
Conc: 500.00 ng/ml



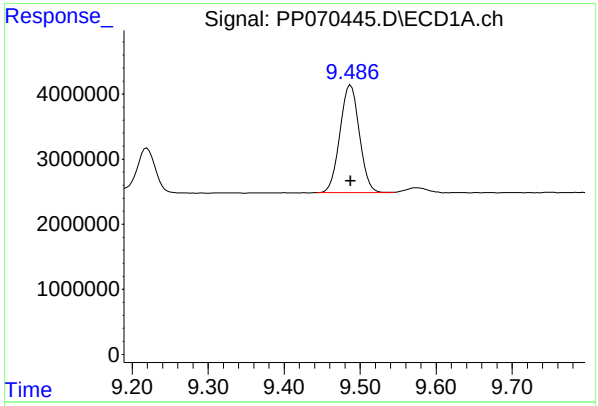
#39 AR-1262-4

R.T.: 8.830 min
Delta R.T.: 0.000 min
Response: 41901860
Conc: 500.00 ng/ml



#39 AR-1262-4

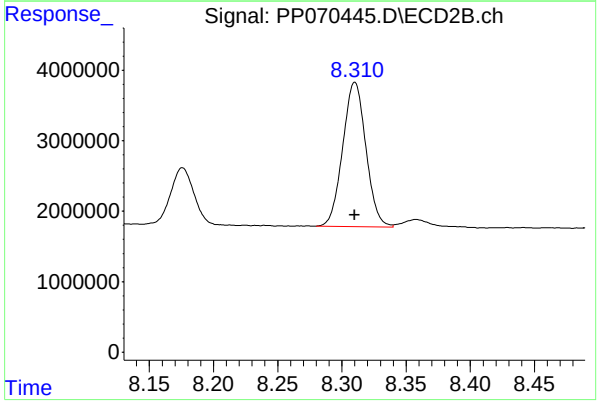
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 52217661
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.487 min
Delta R.T.: 0.000 mi
Response: 29448112
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 25775032
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:33
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.827	156.0E6	101.9E6	94.867	92.435
2)	SA Decachlor...	10.254	8.878	179.7E6	163.2E6	93.195	93.675
	Target Compounds						
41)	L9 AR-1268-1	8.745	7.743	188.5E6	168.4E6	935.648	940.387
42)	L9 AR-1268-2	8.839	7.808	162.7E6	142.0E6	939.401	947.708
43)	L9 AR-1268-3	9.072	8.015	140.0E6	125.4E6	934.124	967.486
44)	L9 AR-1268-4	9.491	8.309	62601215	54287293	945.965	955.597
45)	L9 AR-1268-5	9.911	8.613	401.2E6	364.2E6	947.852	962.567

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

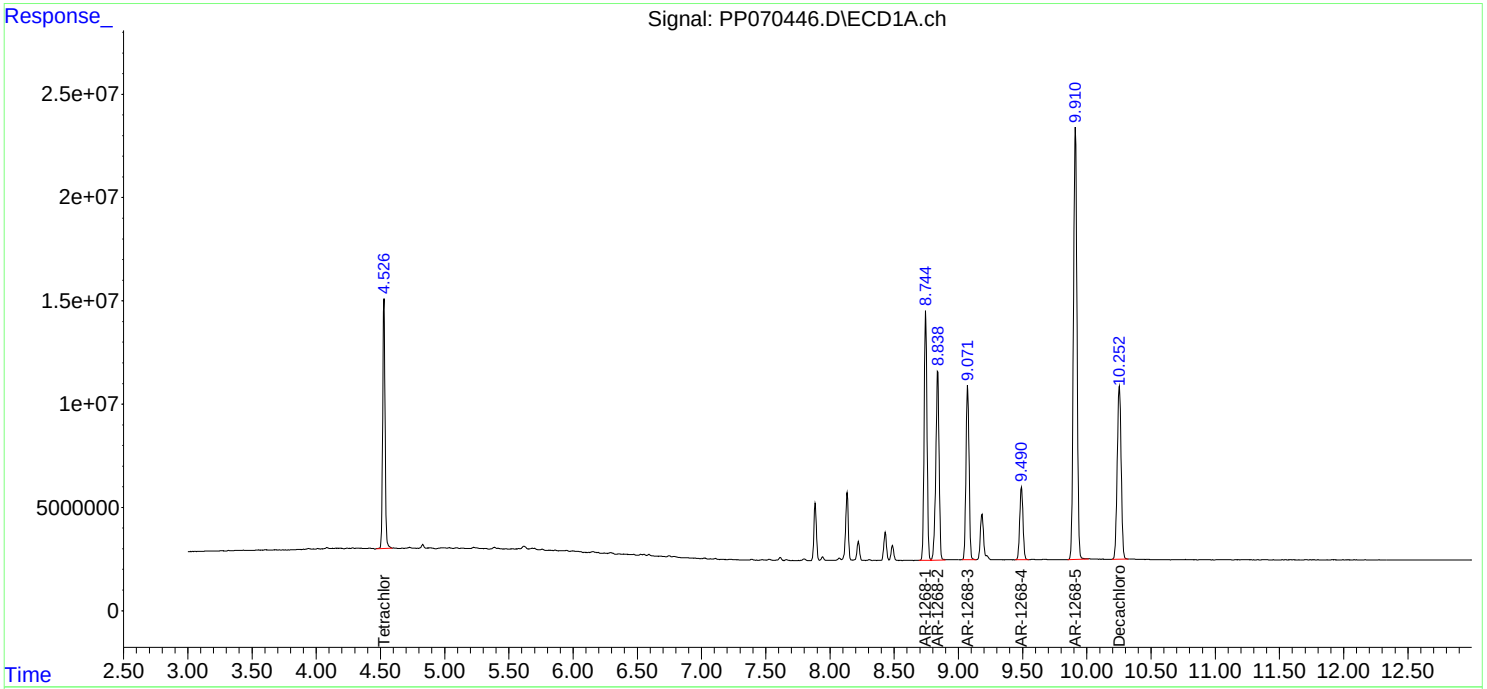
ICAL Form

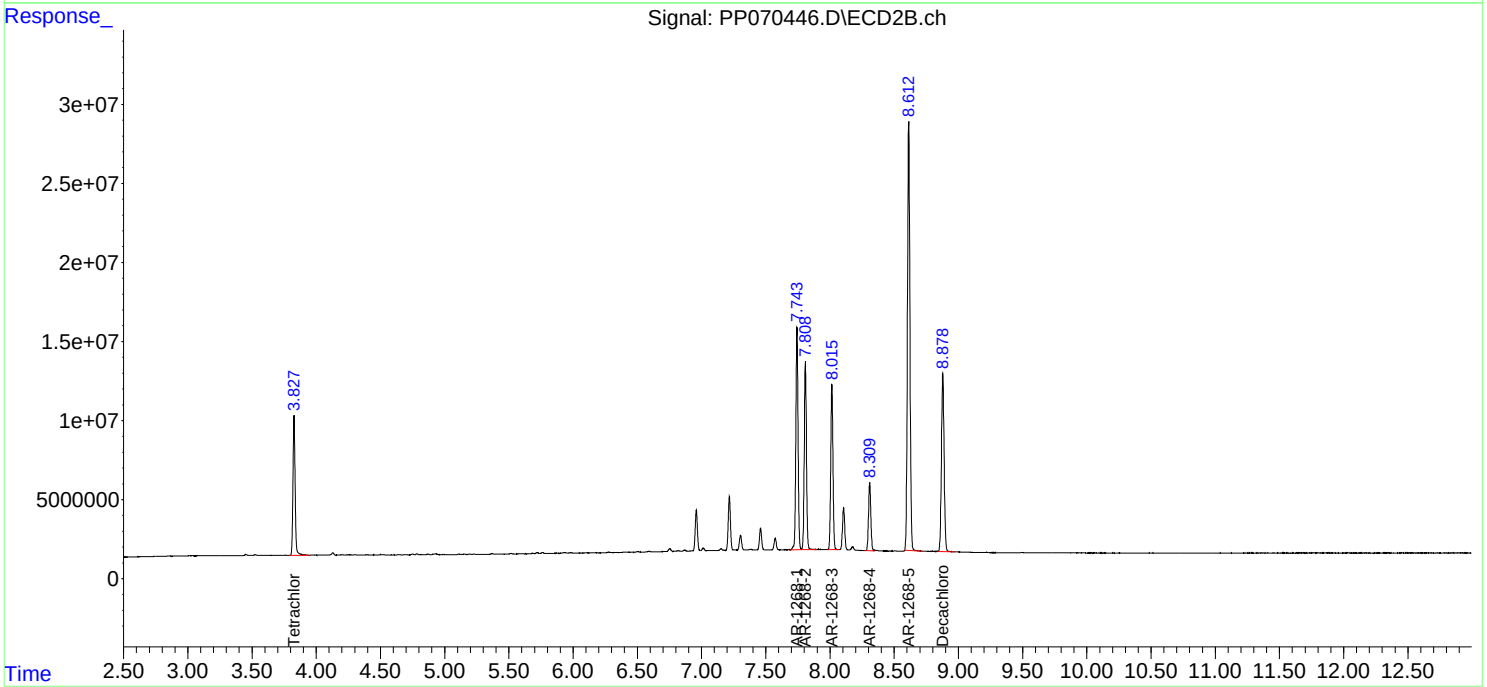
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:33
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

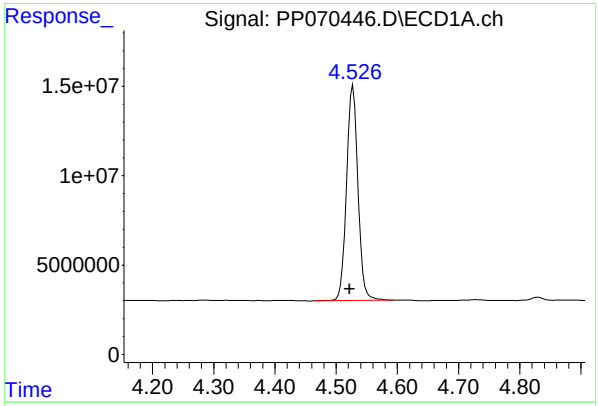
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



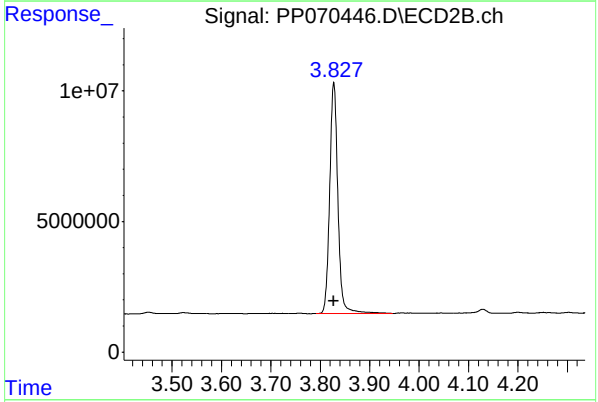




#1 Tetrachloro-m-xylene

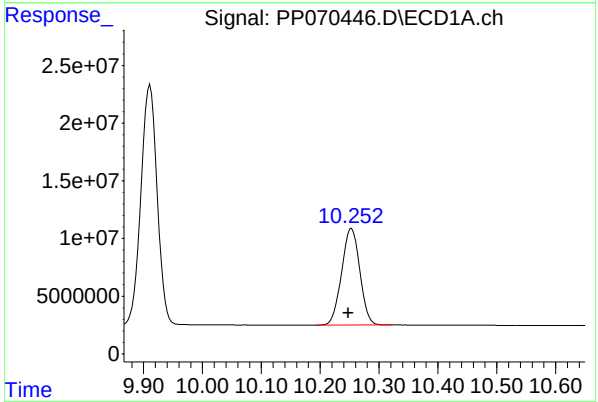
R.T.: 4.527 min
Delta R.T.: 0.005 min
Response: 155964491
Conc: 94.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



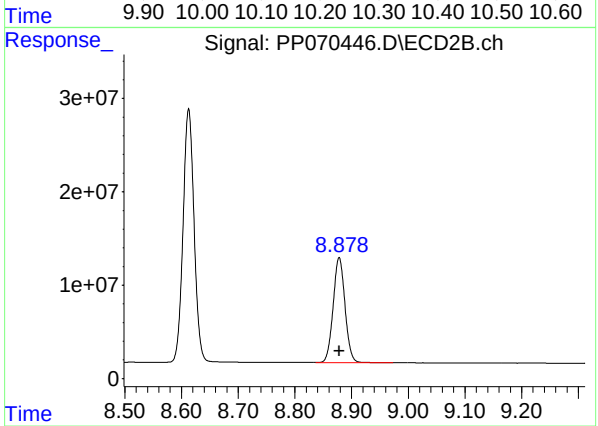
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 101943210
Conc: 92.43 ng/ml



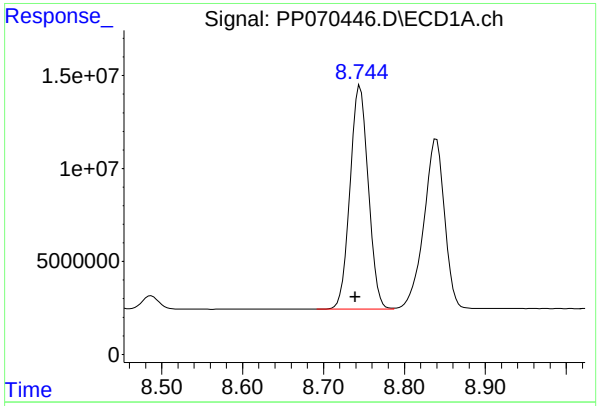
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.005 min
Response: 179730530
Conc: 93.19 ng/ml



#2 Decachlorobiphenyl

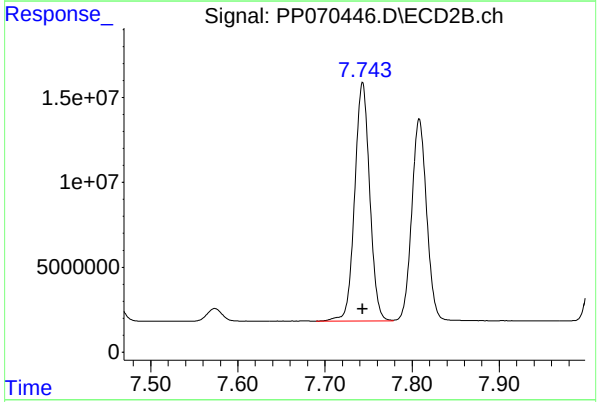
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 163211603
Conc: 93.68 ng/ml



#41 AR-1268-1

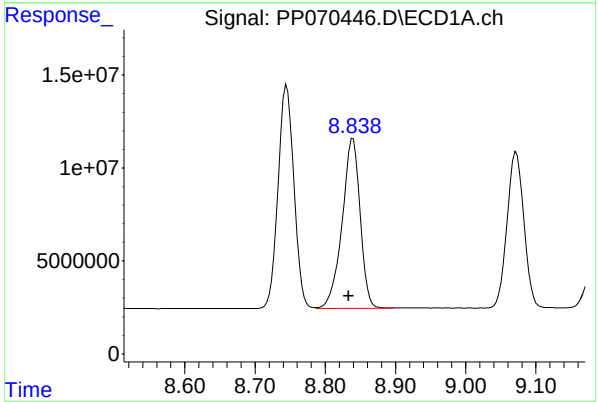
R.T.: 8.745 min
Delta R.T.: 0.006 min
Response: 188529701
Conc: 935.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



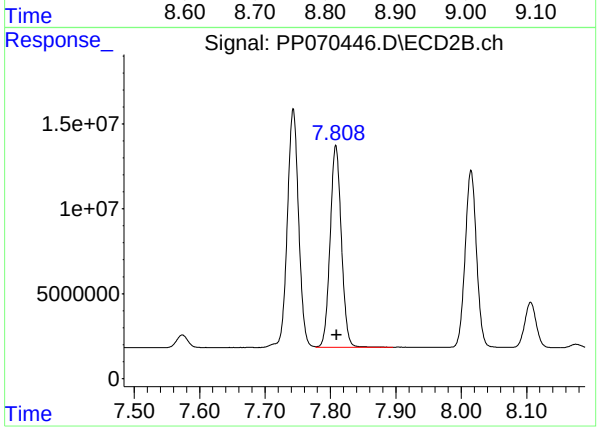
#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 168373725
Conc: 940.39 ng/ml



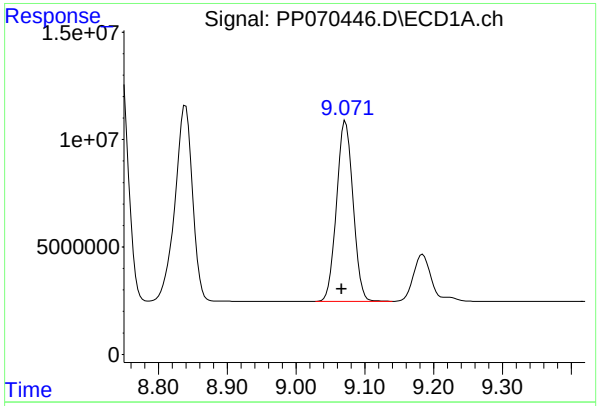
#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.006 min
Response: 162712211
Conc: 939.40 ng/ml



#42 AR-1268-2

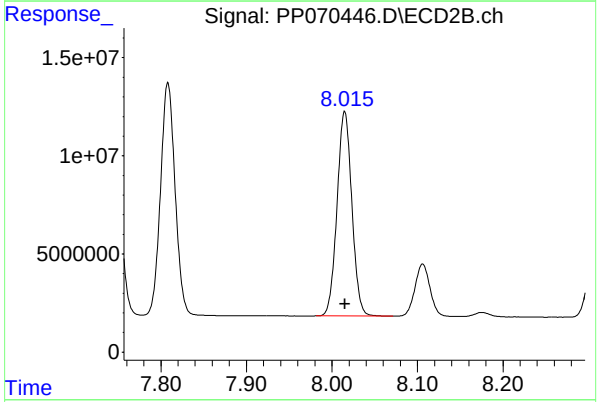
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 142006892
Conc: 947.71 ng/ml



#43 AR-1268-3

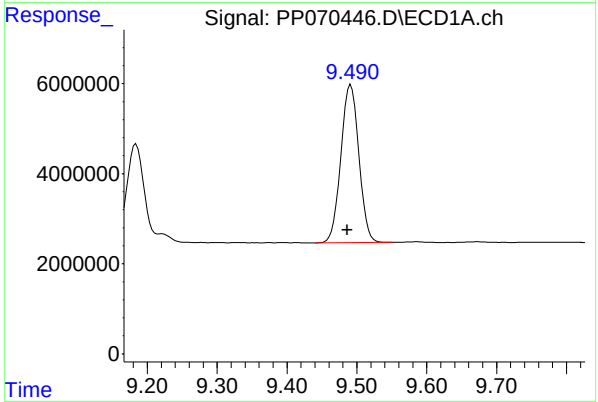
R.T.: 9.072 min
Delta R.T.: 0.006 min
Response: 139964894
Conc: 934.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



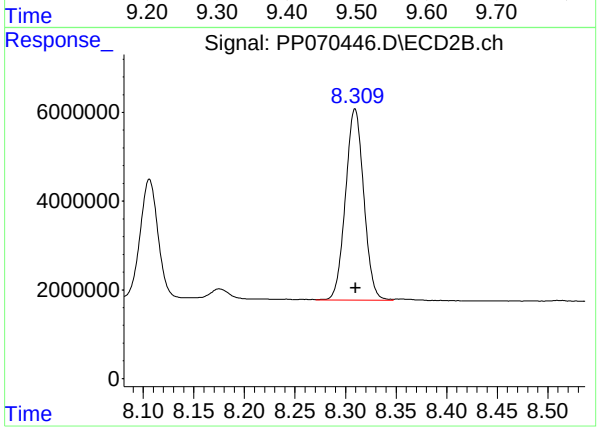
#43 AR-1268-3

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 125351560
Conc: 967.49 ng/ml



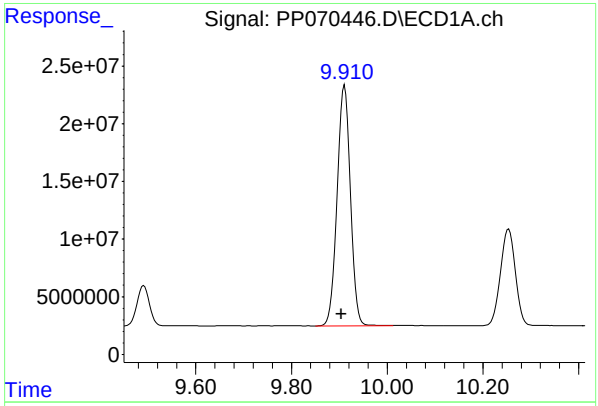
#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.005 min
Response: 62601215
Conc: 945.97 ng/ml



#44 AR-1268-4

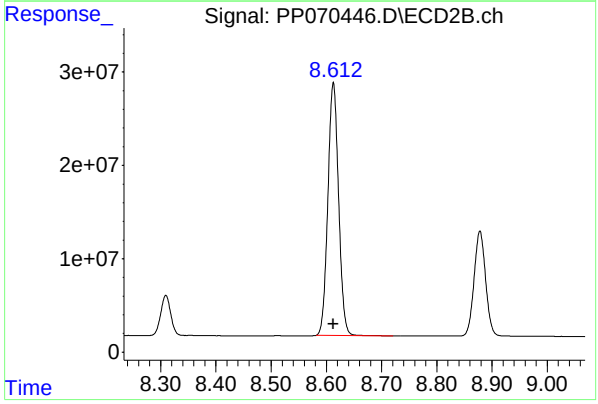
R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 54287293
Conc: 955.60 ng/ml



#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.007 min
Response: 401160937
Conc: 947.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 364151928
Conc: 962.57 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:49
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	116.7E6	77586720	71.014	70.350
2)	SA Decachlor...	10.250	8.879	138.1E6	124.4E6	71.630	71.383
	Target Compounds						
41)	L9 AR-1268-1	8.742	7.744	143.6E6	124.5E6	712.768	695.587
42)	L9 AR-1268-2	8.836	7.809	124.1E6	105.1E6	716.292	701.198
43)	L9 AR-1268-3	9.069	8.016	107.0E6	90348904	713.888	697.329
44)	L9 AR-1268-4	9.489	8.309	47447237	39925484	716.974	702.792
45)	L9 AR-1268-5	9.908	8.614	305.7E6	271.7E6	722.384	718.128

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

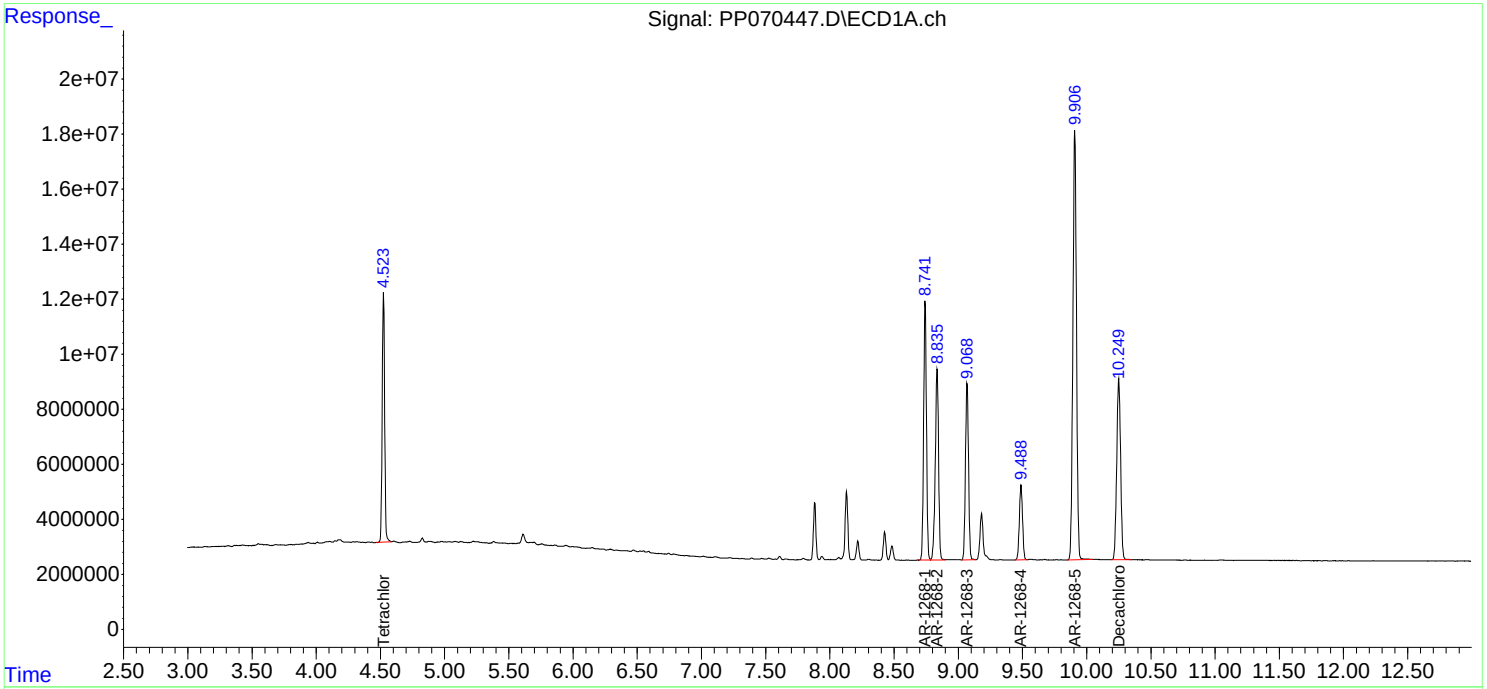
ICAL Form

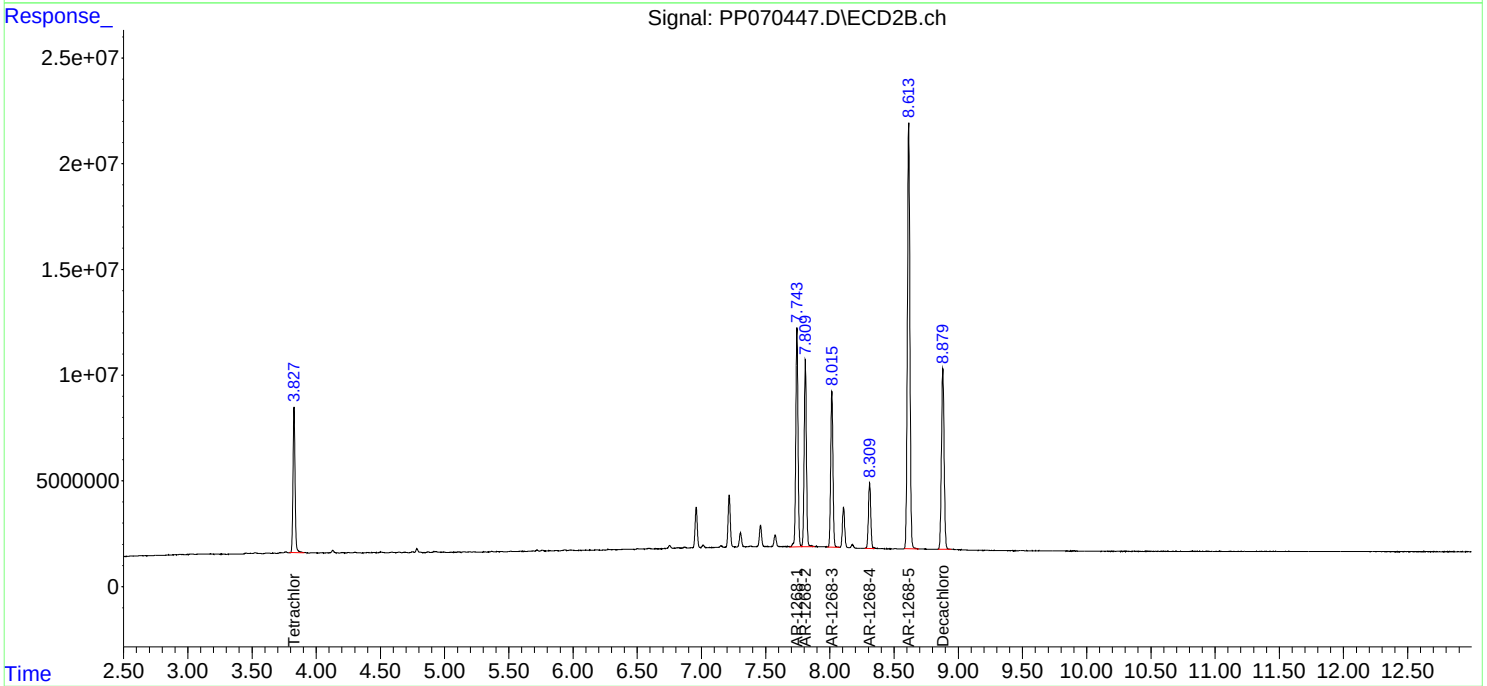
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:49
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

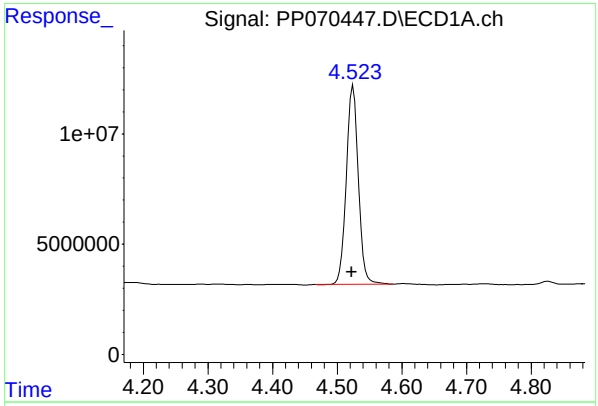
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



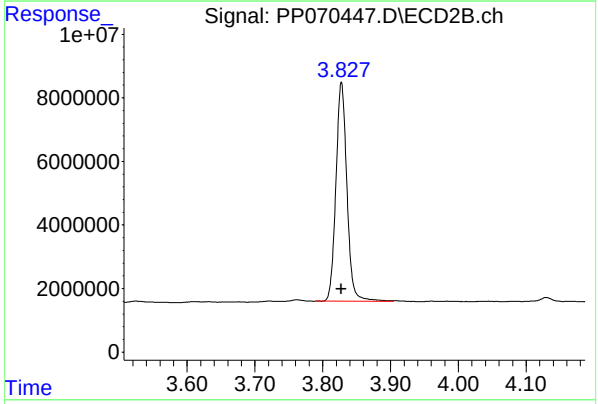




#1 Tetrachloro-m-xylene

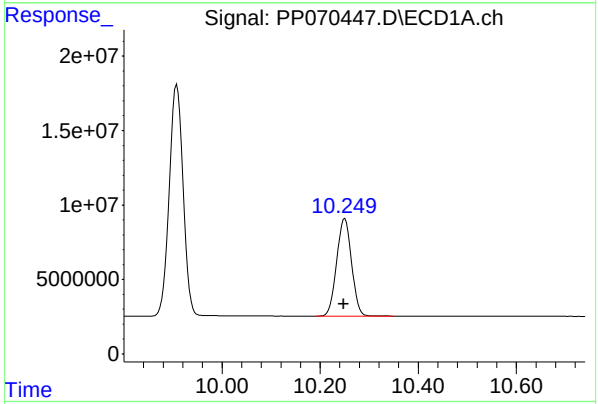
R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 116749803
Conc: 71.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



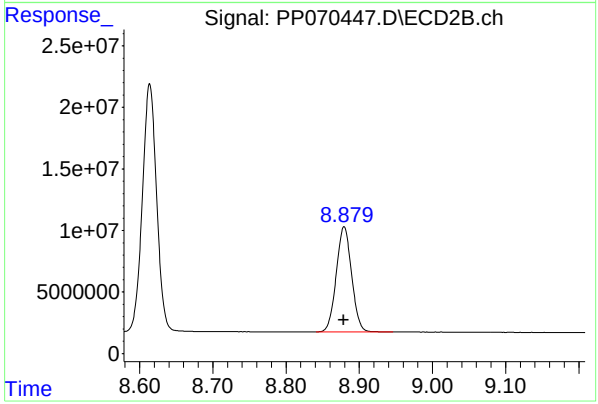
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 77586720
Conc: 70.35 ng/ml



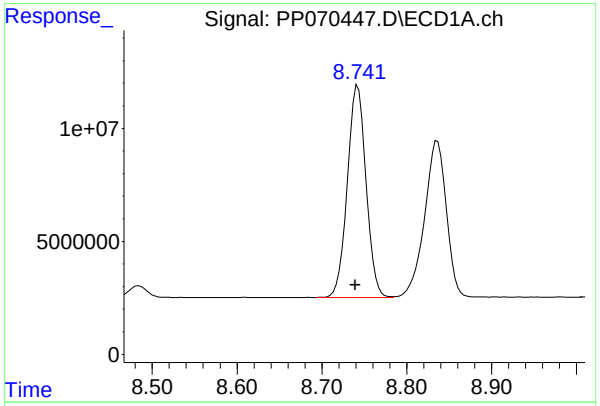
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: 0.002 min
Response: 138141204
Conc: 71.63 ng/ml



#2 Decachlorobiphenyl

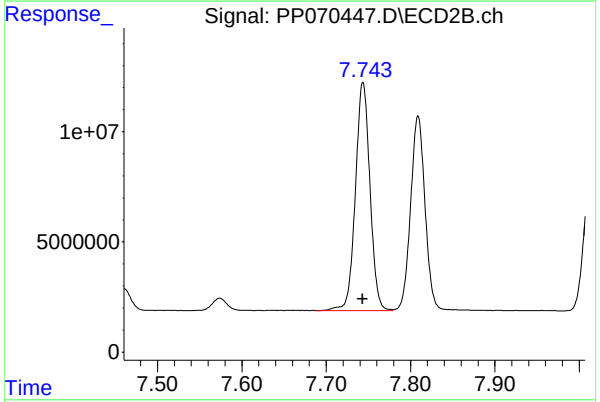
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 124371034
Conc: 71.38 ng/ml



#41 AR-1268-1

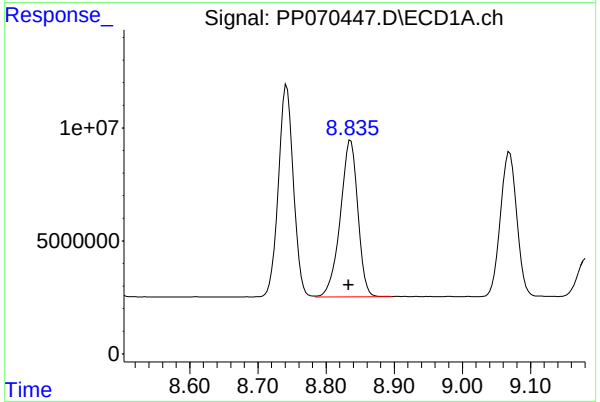
R.T.: 8.742 min
Delta R.T.: 0.003 min
Response: 143620217
Conc: 712.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



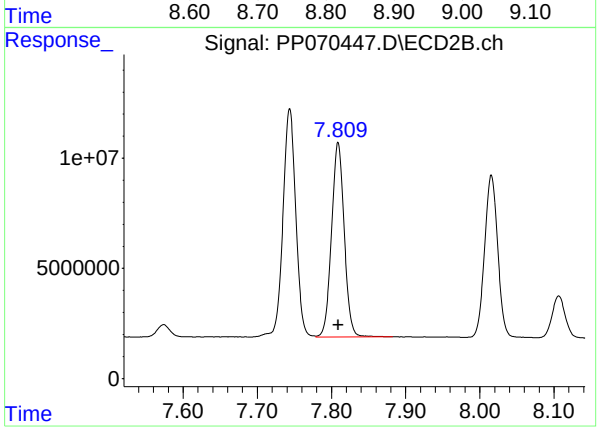
#41 AR-1268-1

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 124542867
Conc: 695.59 ng/ml



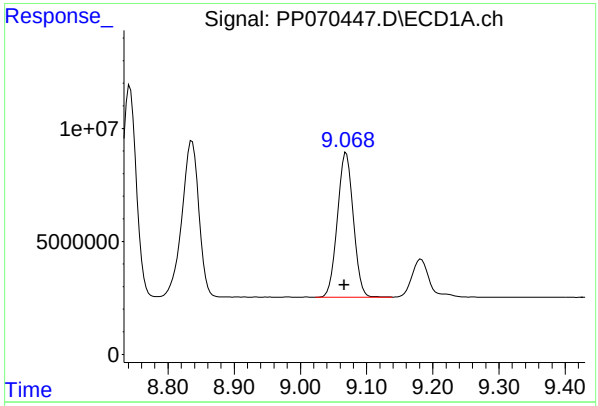
#42 AR-1268-2

R.T.: 8.836 min
Delta R.T.: 0.003 min
Response: 124067871
Conc: 716.29 ng/ml



#42 AR-1268-2

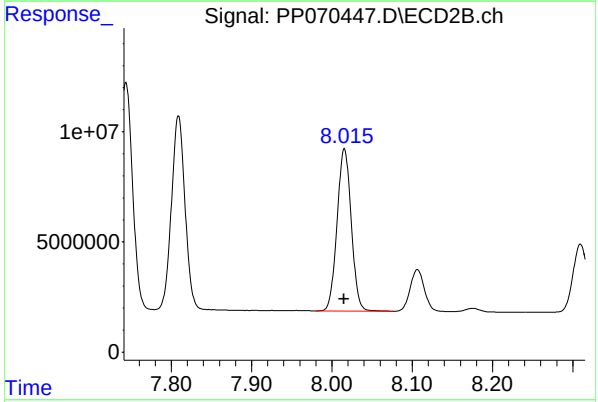
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 105069147
Conc: 701.20 ng/ml



#43 AR-1268-3

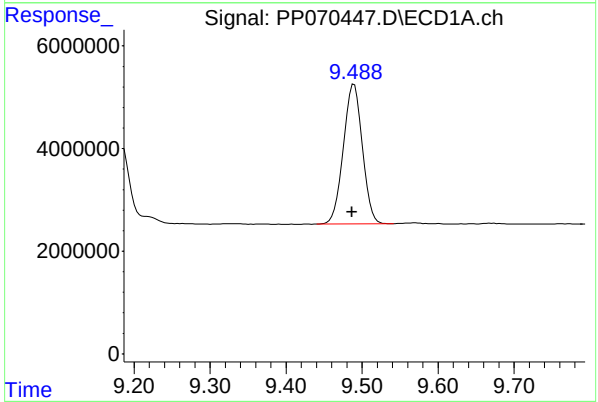
R.T.: 9.069 min
Delta R.T.: 0.003 min
Response: 106965737
Conc: 713.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



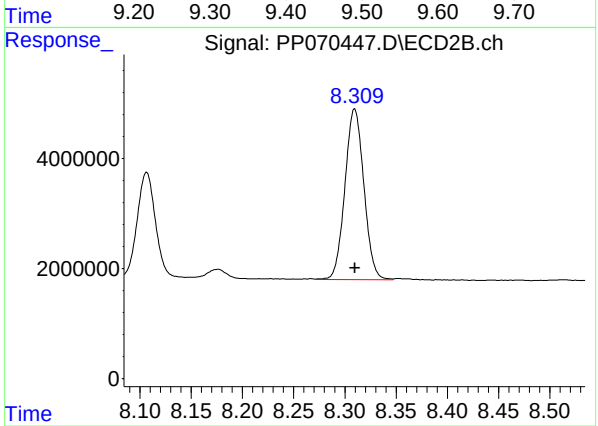
#43 AR-1268-3

R.T.: 8.016 min
Delta R.T.: 0.000 min
Response: 90348904
Conc: 697.33 ng/ml



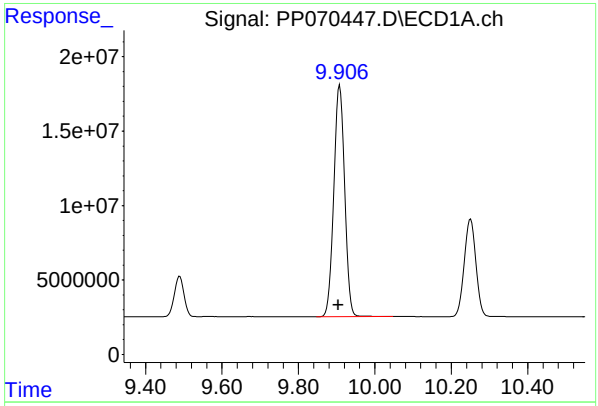
#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: 0.003 min
Response: 47447237
Conc: 716.97 ng/ml



#44 AR-1268-4

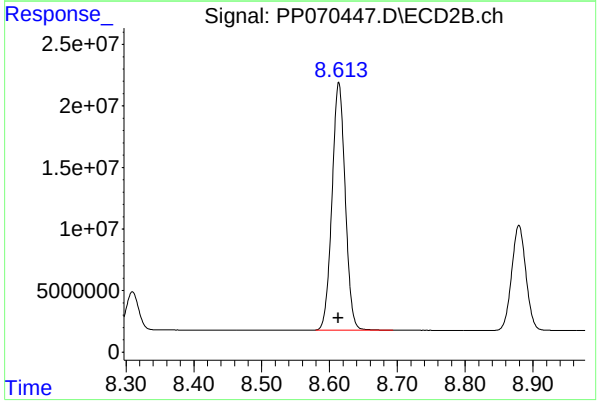
R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 39925484
Conc: 702.79 ng/ml



#45 AR-1268-5

R.T.: 9.908 min
Delta R.T.: 0.003 min
Response: 305735587
Conc: 722.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.614 min
Delta R.T.: 0.000 min
Response: 271677616
Conc: 718.13 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:05
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.522	3.827	82202011	55143422	50.000	50.000
2)	SA Decachlor...	10.248	8.879	96427272	87115877	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.740	7.743	100.7E6	89523621	500.000	500.000
42)	L9 AR-1268-2	8.833	7.809	86604260	74921217	500.000	500.000
43)	L9 AR-1268-3	9.066	8.015	74917746	64782125	500.000	500.000
44)	L9 AR-1268-4	9.487	8.310	33088538	28404907	500.000	500.000
45)	L9 AR-1268-5	9.904	8.613	211.6E6	189.2E6	500.000	500.000

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

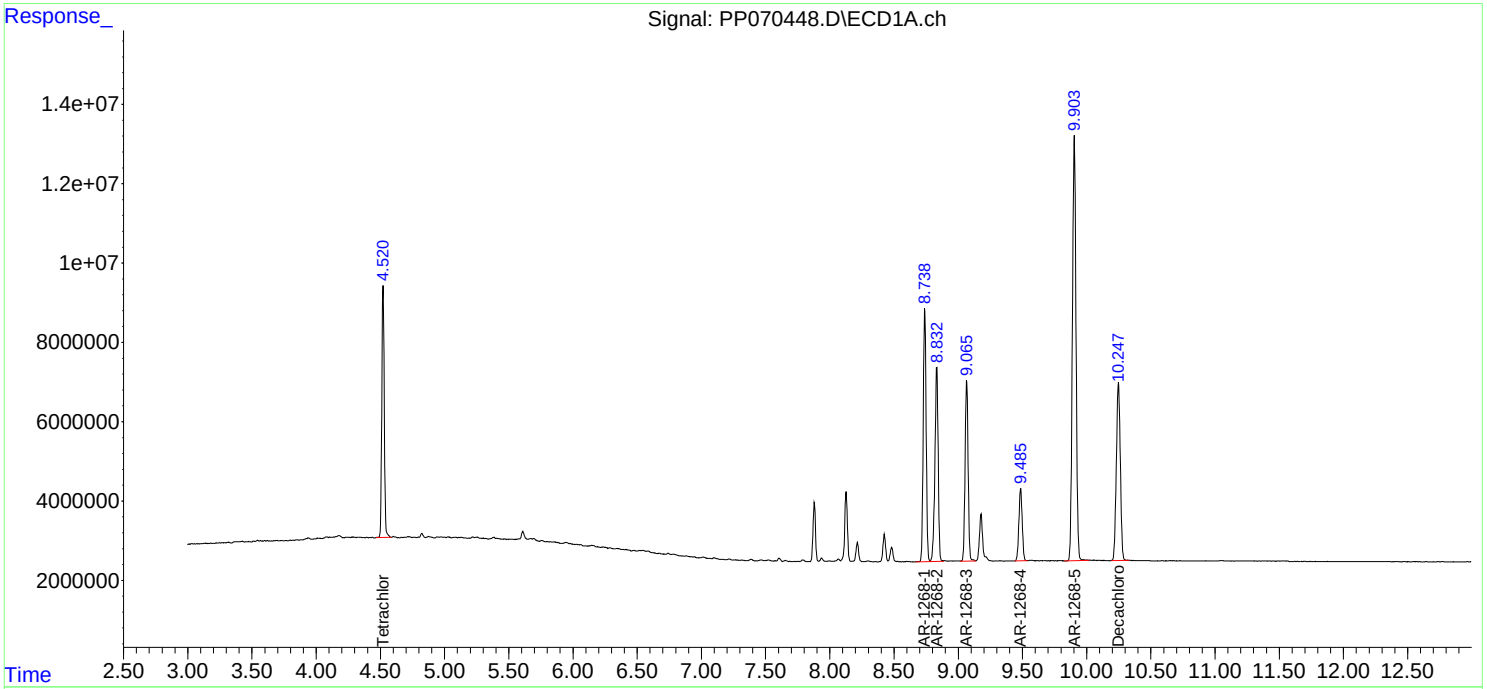
ICAL Form

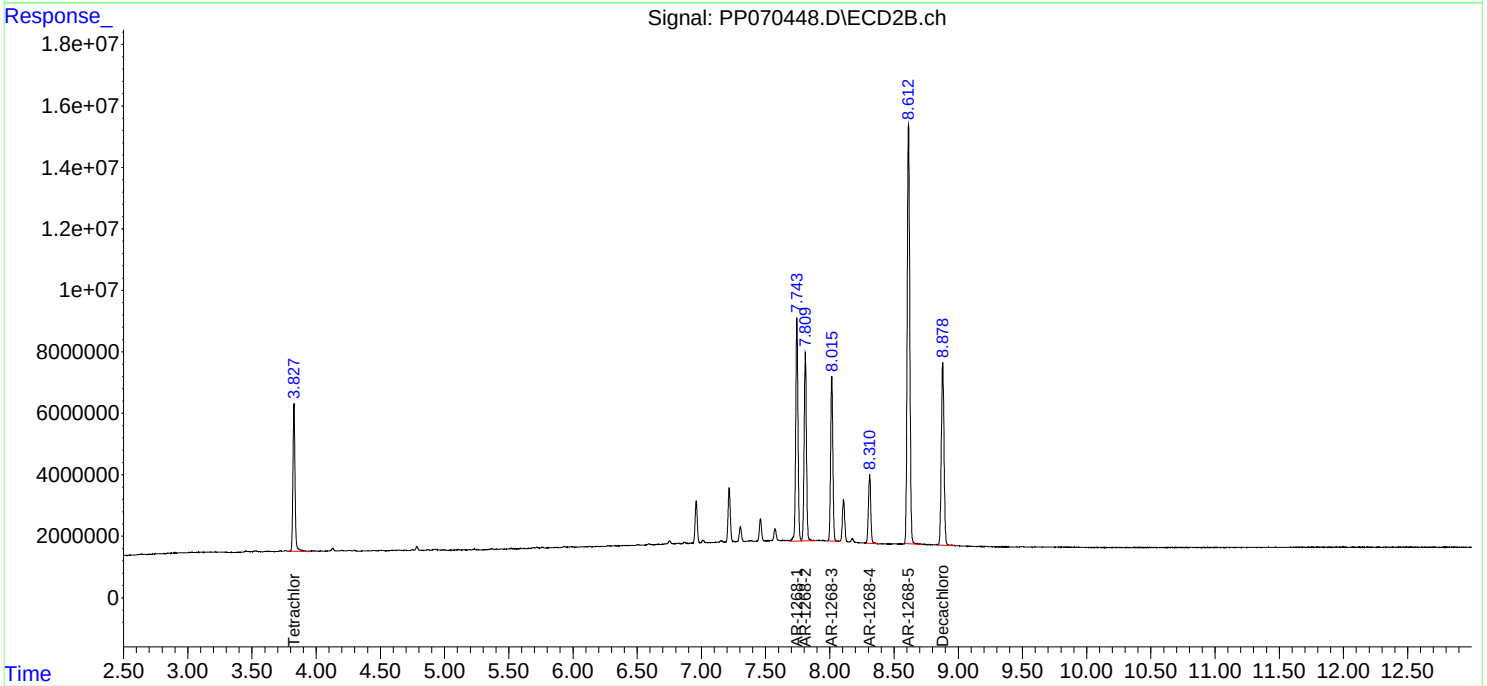
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:05
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

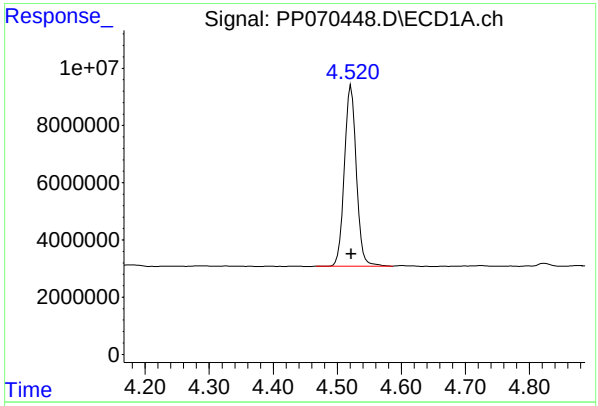
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



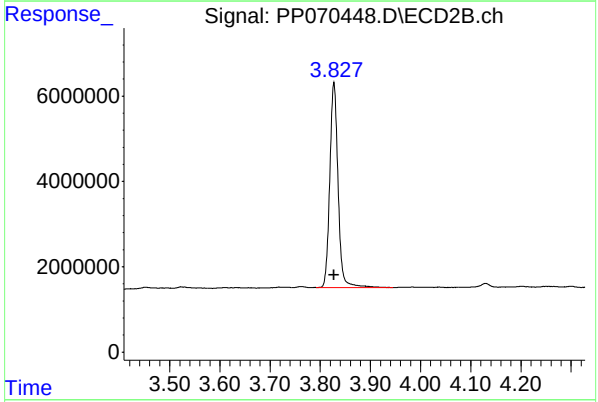




#1 Tetrachloro-m-xylene

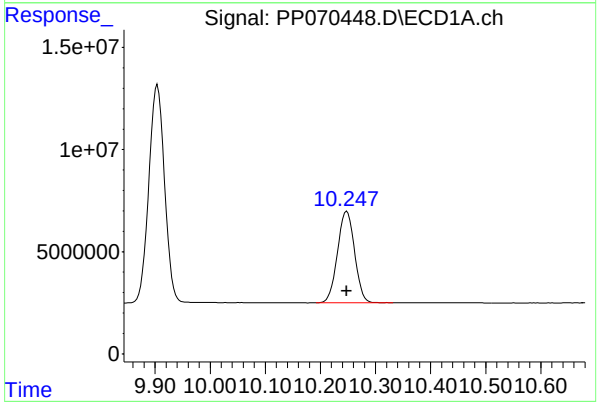
R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 82202011
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



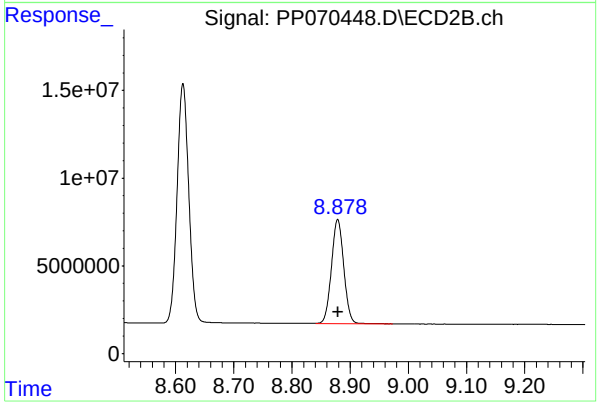
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 55143422
Conc: 50.00 ng/ml



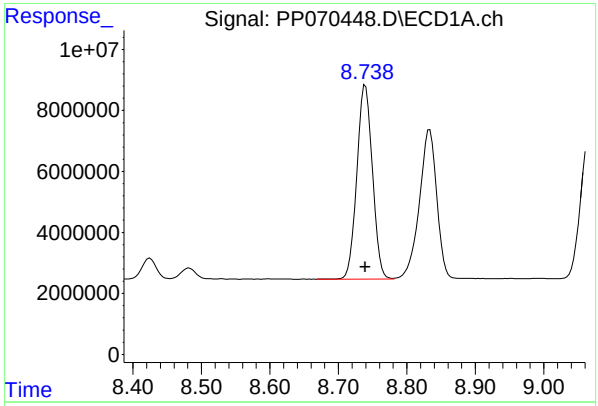
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 96427272
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

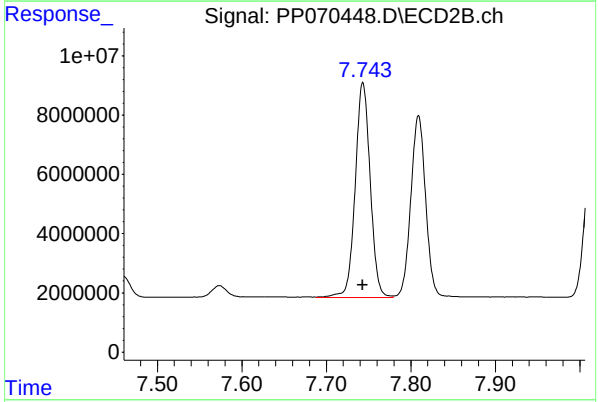
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 87115877
Conc: 50.00 ng/ml



#41 AR-1268-1

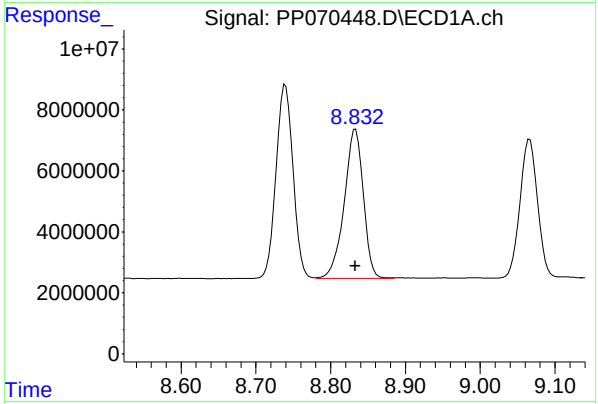
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 100748213
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



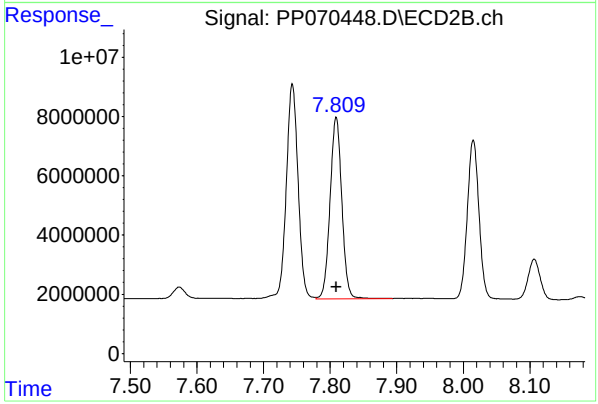
#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 89523621
Conc: 500.00 ng/ml



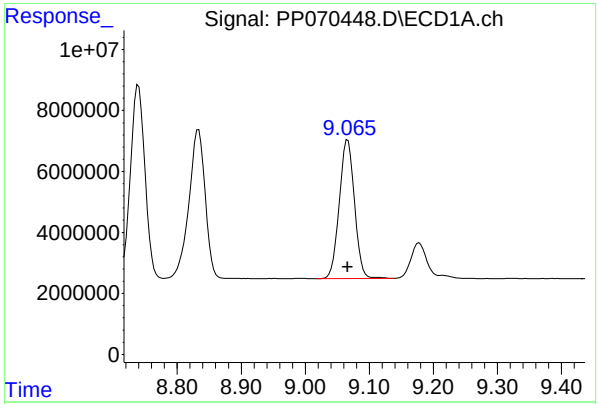
#42 AR-1268-2

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 86604260
Conc: 500.00 ng/ml



#42 AR-1268-2

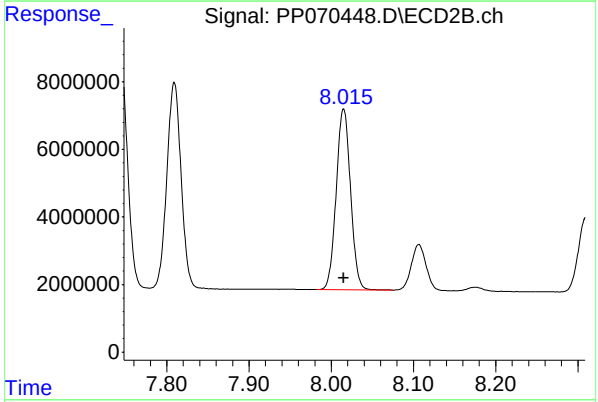
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 74921217
Conc: 500.00 ng/ml



#43 AR-1268-3

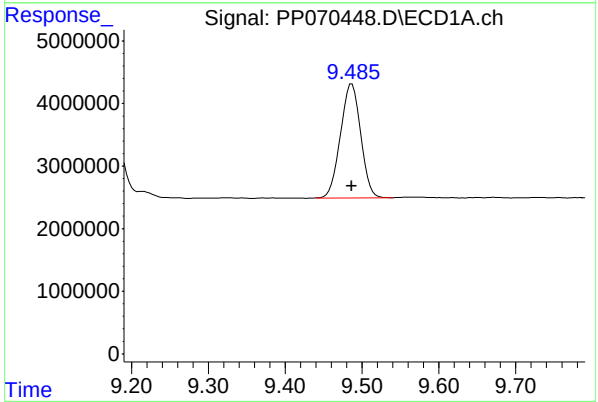
R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 74917746
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



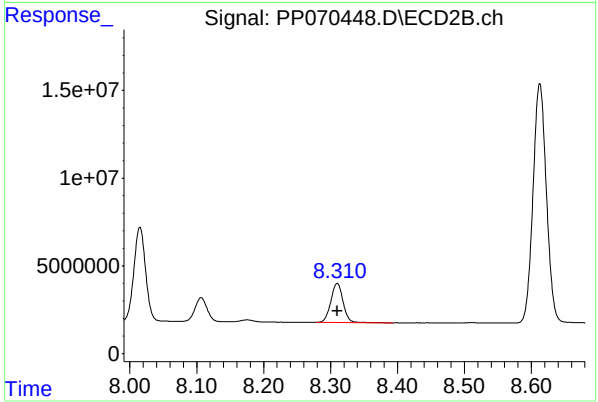
#43 AR-1268-3

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 64782125
Conc: 500.00 ng/ml



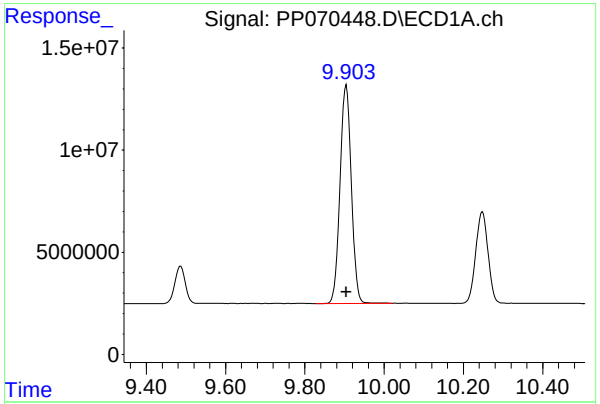
#44 AR-1268-4

R.T.: 9.487 min
Delta R.T.: 0.000 min
Response: 33088538
Conc: 500.00 ng/ml



#44 AR-1268-4

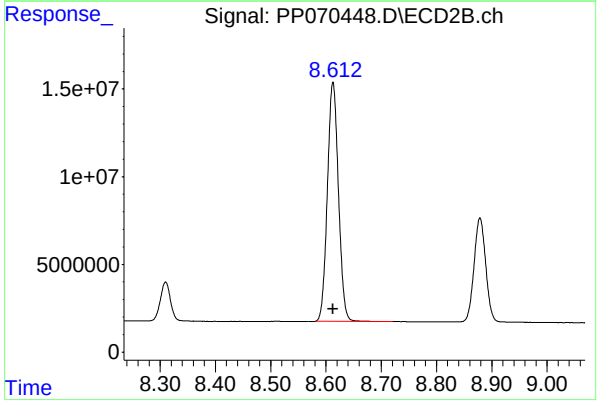
R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 28404907
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.904 min
Delta R.T.: 0.000 min
Response: 211615812
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 189156722
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:22
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	42716878	29621715	25.983	26.859
2)	SA Decachlor...	10.248	8.877	50455822	45920300	26.163	26.356
	Target Compounds						
41)	L9 AR-1268-1	8.741	7.742	52769831	46752818	261.890	261.120
42)	L9 AR-1268-2	8.834	7.808	45106498	38372677	260.417	256.087
43)	L9 AR-1268-3	9.067	8.014	38921973	33274907	259.765	256.822
44)	L9 AR-1268-4	9.486	8.308	16901246	14619988	255.394	257.350
45)	L9 AR-1268-5	9.905	8.612	110.8E6	95223241	261.876	251.705

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

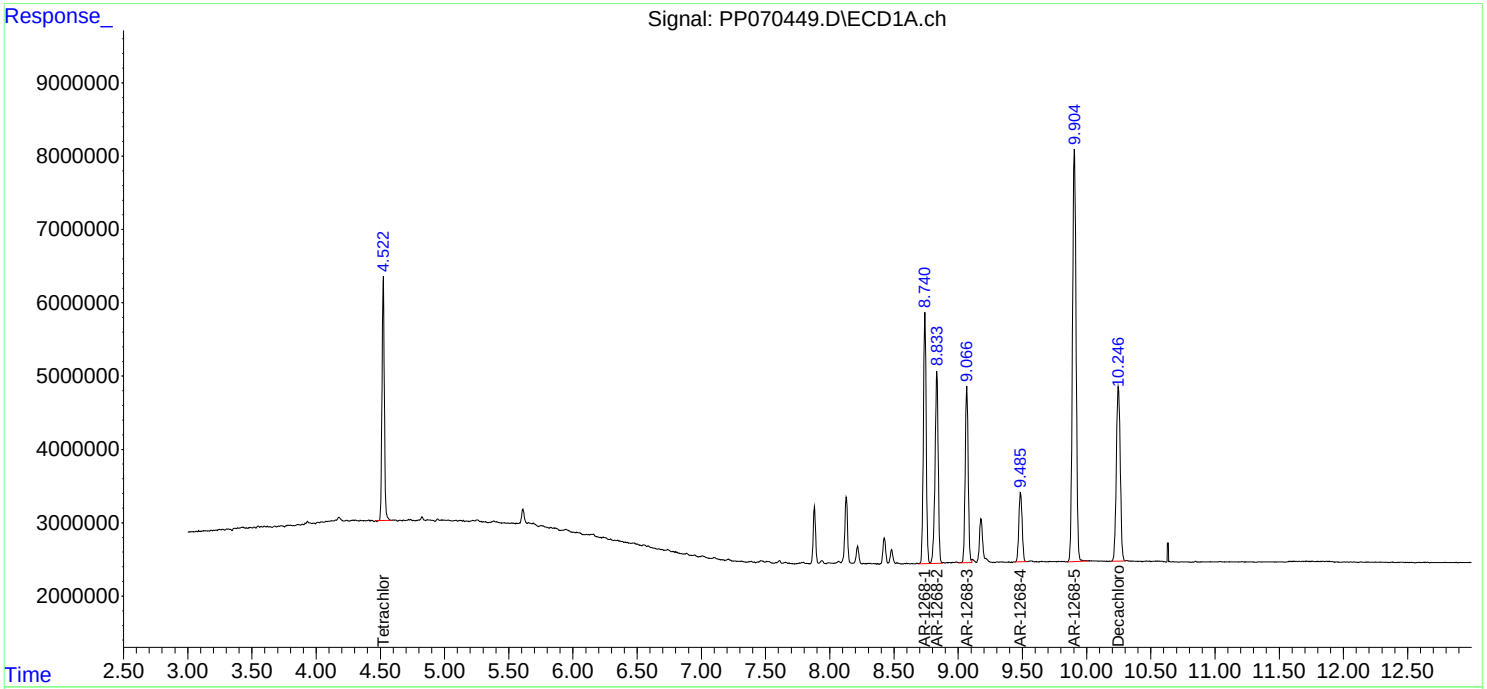
ICAL Form

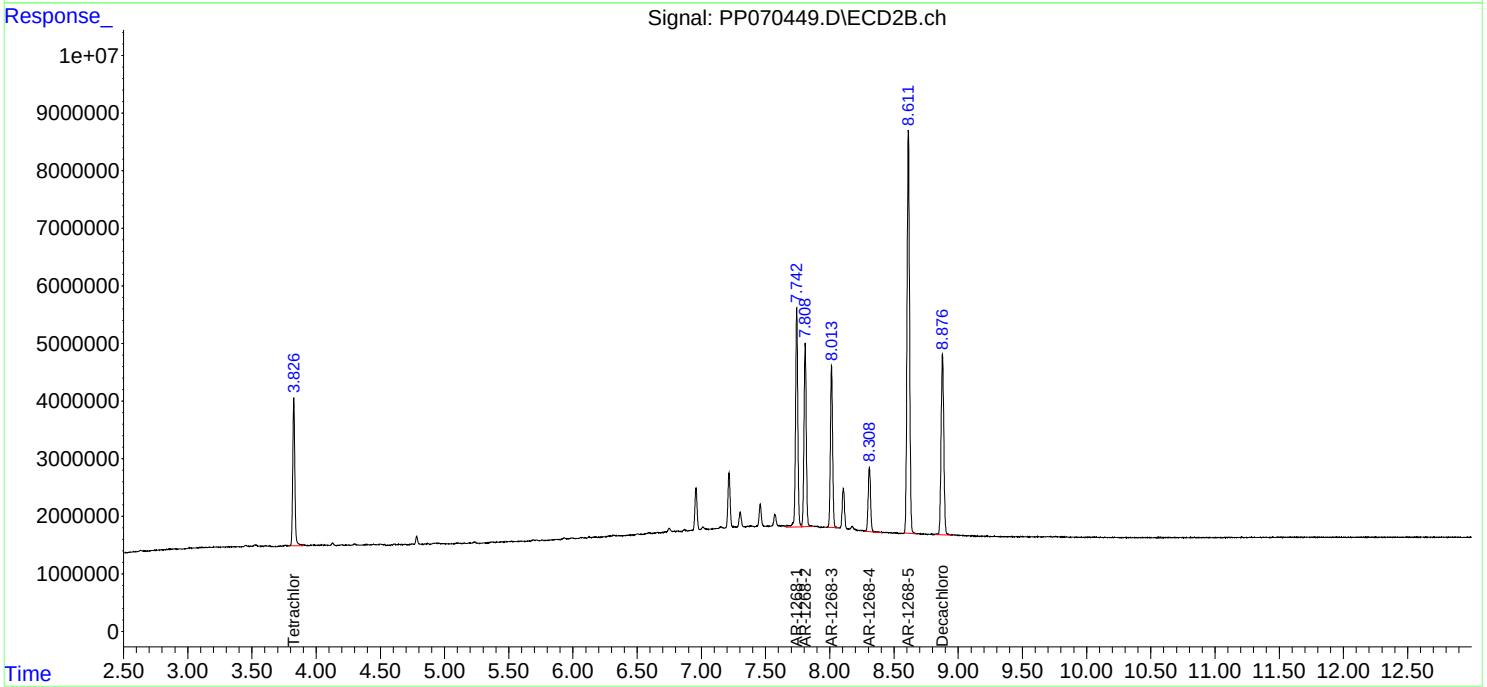
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:22
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

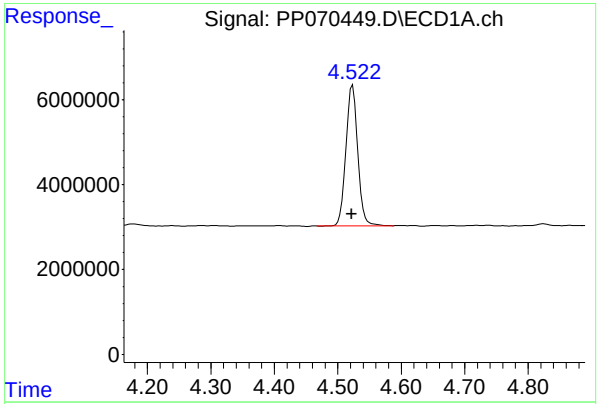
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



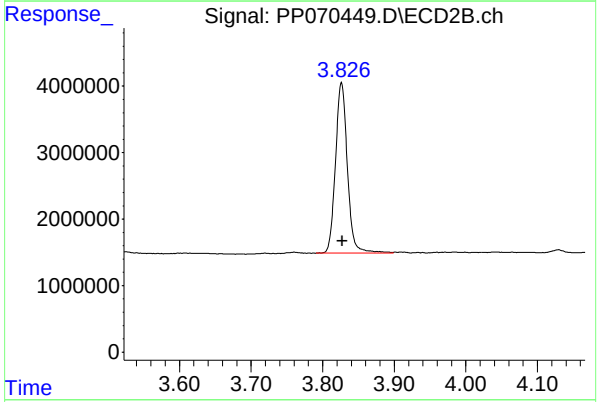




#1 Tetrachloro-m-xylene

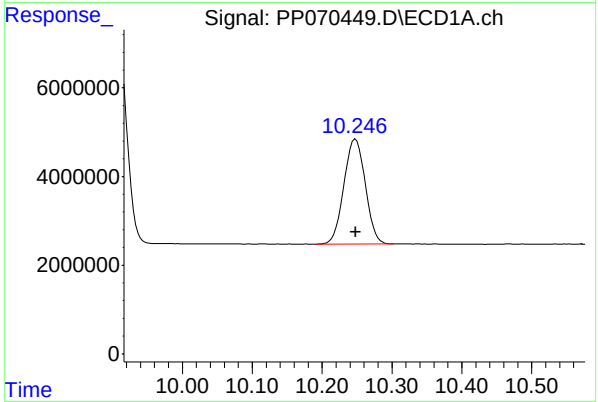
R.T.: 4.523 min
Delta R.T.: 0.001 min
Response: 42716878
Conc: 25.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



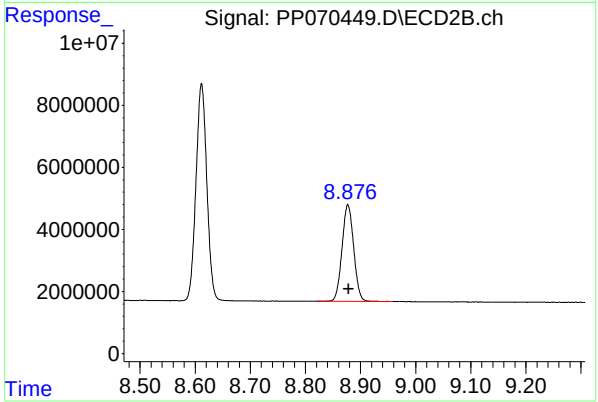
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.001 min
Response: 29621715
Conc: 26.86 ng/ml



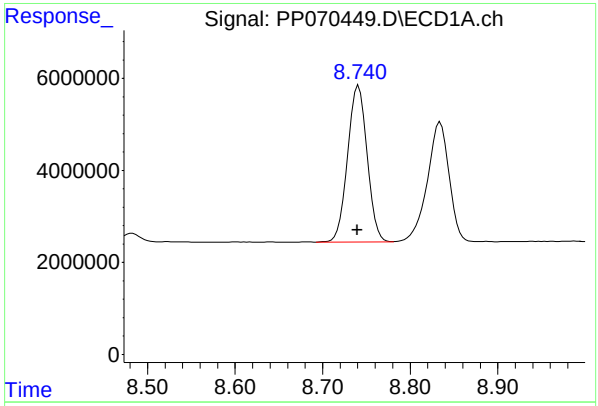
#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 50455822
Conc: 26.16 ng/ml



#2 Decachlorobiphenyl

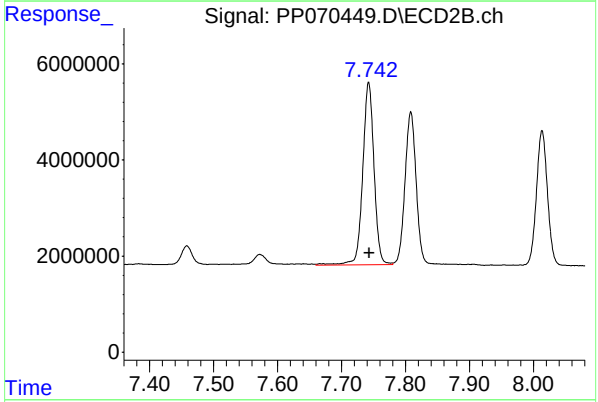
R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 45920300
Conc: 26.36 ng/ml



#41 AR-1268-1

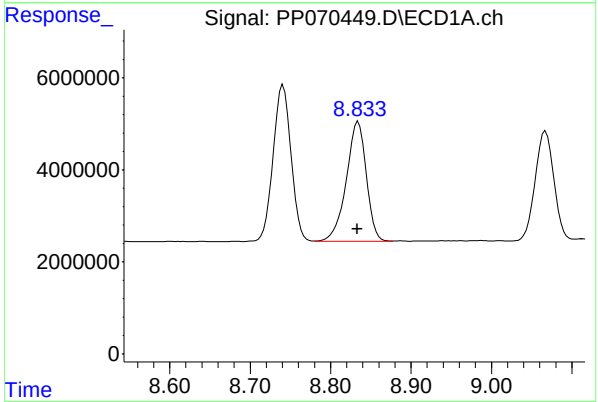
R.T.: 8.741 min
Delta R.T.: 0.002 mi
Response: 52769831
Conc: 261.89 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



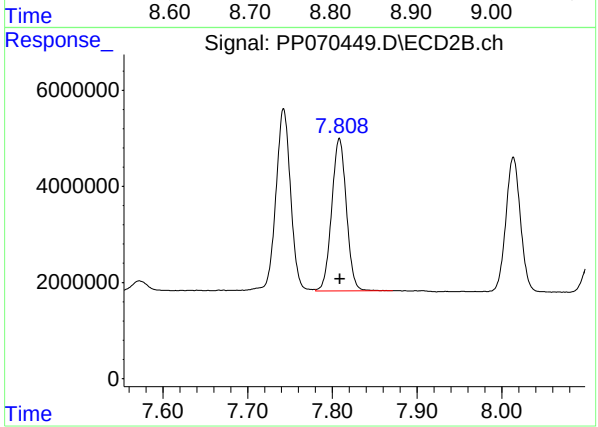
#41 AR-1268-1

R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 46752818
Conc: 261.12 ng/ml



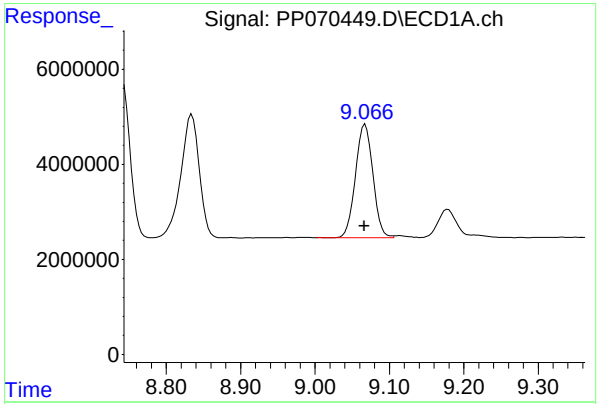
#42 AR-1268-2

R.T.: 8.834 min
Delta R.T.: 0.001 min
Response: 45106498
Conc: 260.42 ng/ml



#42 AR-1268-2

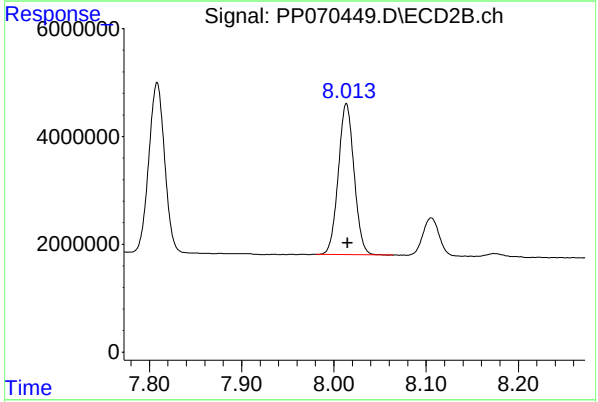
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 38372677
Conc: 256.09 ng/ml



#43 AR-1268-3

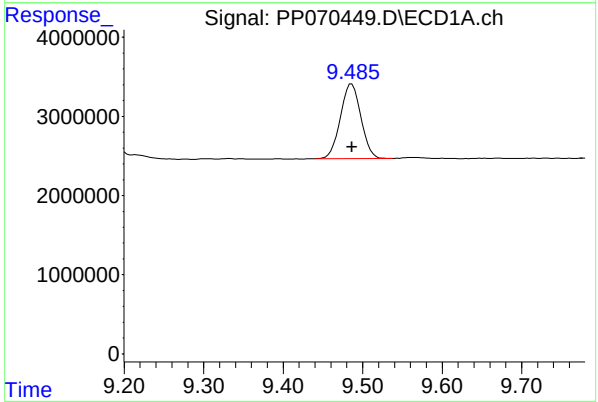
R.T.: 9.067 min
Delta R.T.: 0.001 min
Response: 38921973
Conc: 259.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



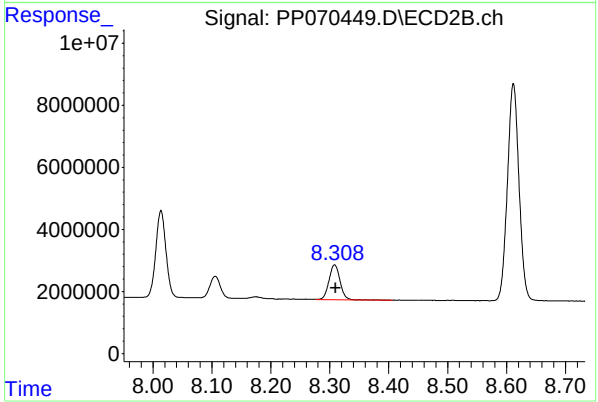
#43 AR-1268-3

R.T.: 8.014 min
Delta R.T.: -0.002 min
Response: 33274907
Conc: 256.82 ng/ml



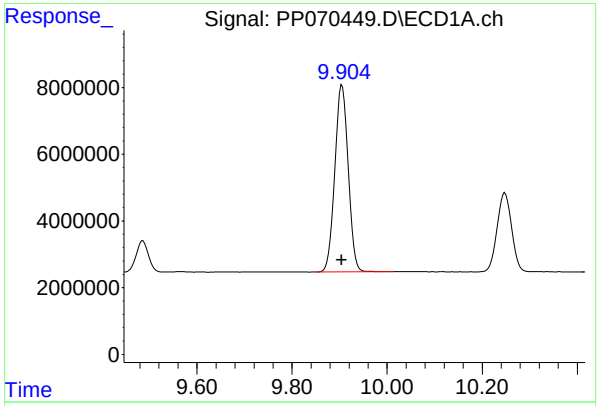
#44 AR-1268-4

R.T.: 9.486 min
Delta R.T.: 0.000 min
Response: 16901246
Conc: 255.39 ng/ml



#44 AR-1268-4

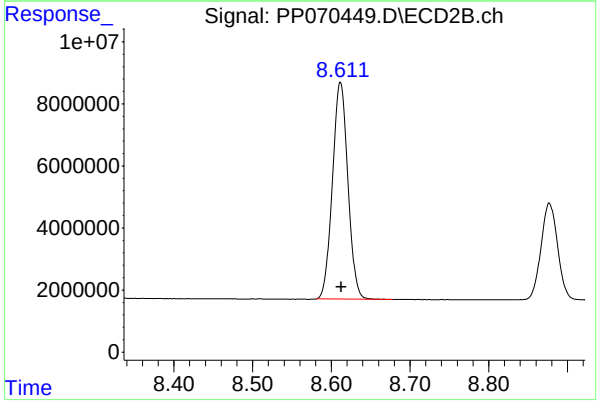
R.T.: 8.308 min
Delta R.T.: -0.002 min
Response: 14619988
Conc: 257.35 ng/ml



#45 AR-1268-5

R.T.: 9.905 min
Delta R.T.: 0.000 mi
Response: 110834314
Conc: 261.88 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.612 min
Delta R.T.: -0.001 min
Response: 95223241
Conc: 251.70 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:38
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:57:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.528	3.828	8554411	5571543	5.289	5.133
2)	SA Decachlor...	10.252	8.879	9326315	9031570	4.918	5.259
	Target Compounds						
41)	L9 AR-1268-1	8.745	7.743	9919952	8743585	50.063	49.928m
42)	L9 AR-1268-2	8.839	7.808	8340607	7243137	48.935	49.489m
43)	L9 AR-1268-3	9.072	8.014	7178199	6658040	48.822	52.376m
44)	L9 AR-1268-4	9.491	8.309	2987981	2604541	46.032	46.758
45)	L9 AR-1268-5	9.910	8.613	21070074	17728904	50.305	47.735

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:38
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

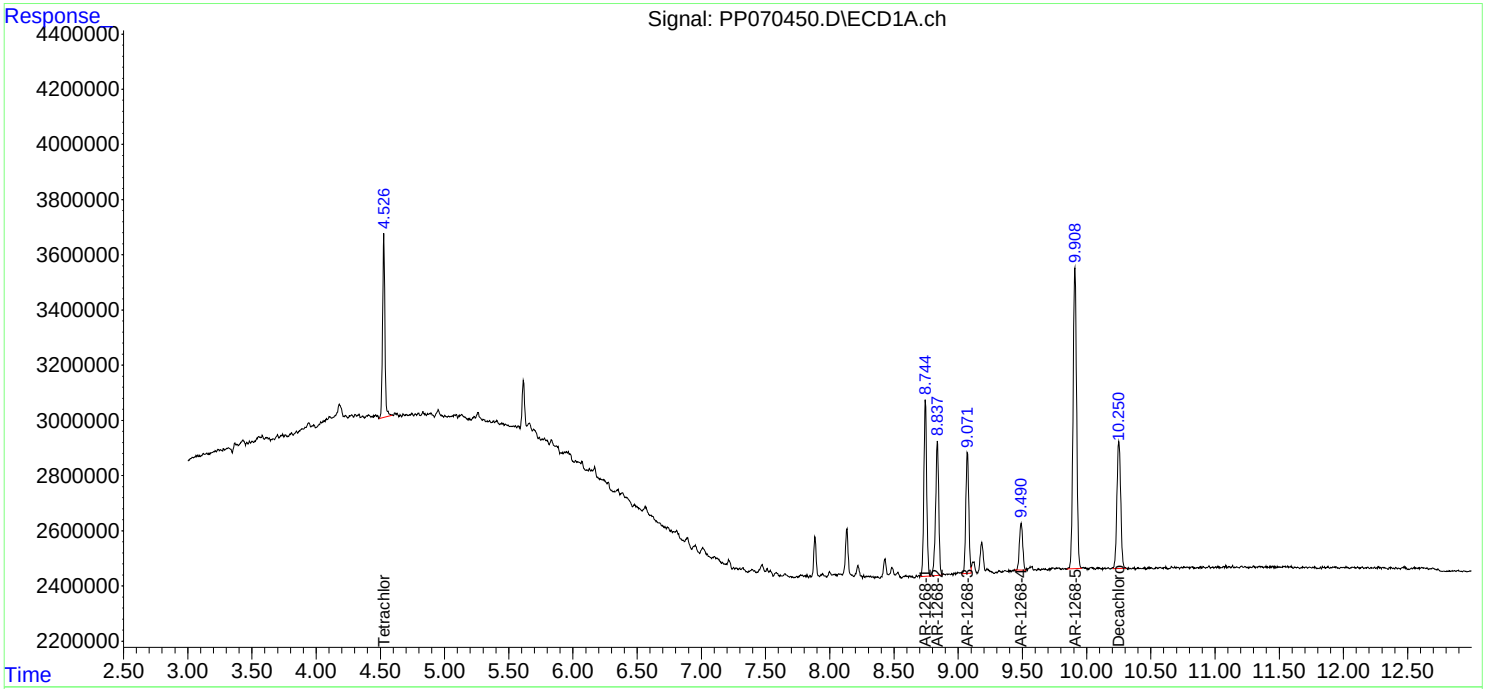
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

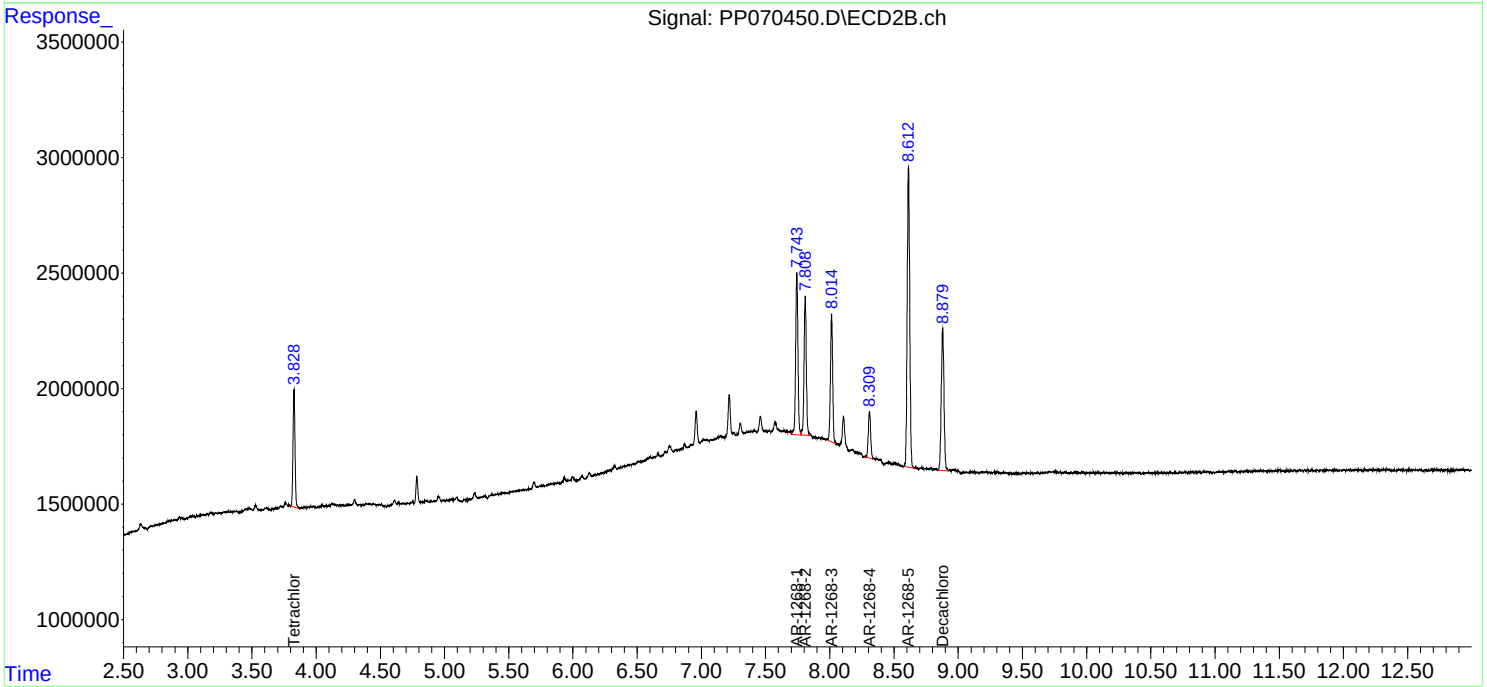
Manual Integrations APPROVED

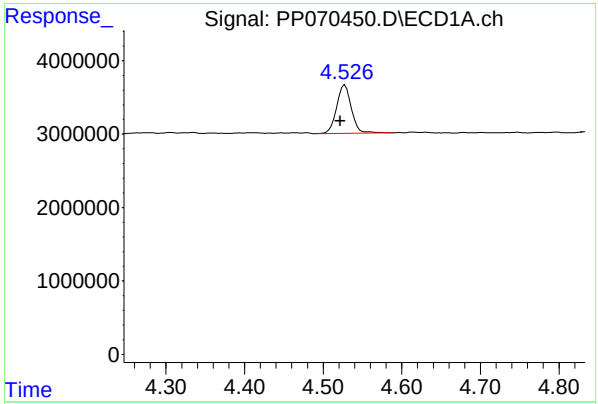
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:57:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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







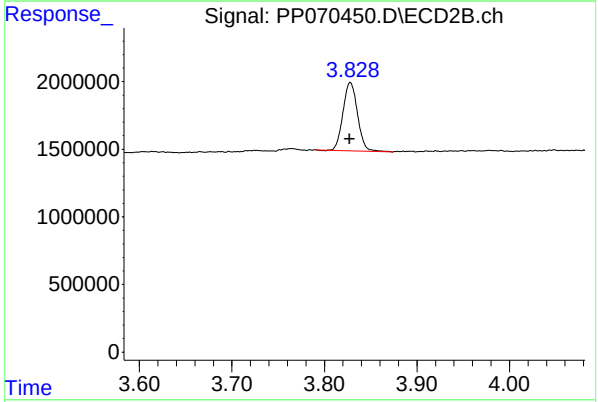
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.006 min
Response: 8554411
Conc: 5.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

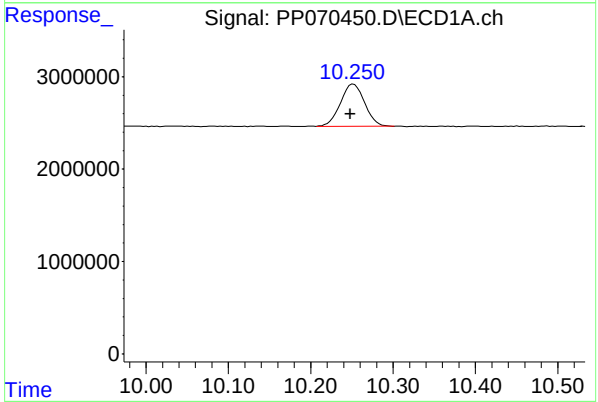
Manual Integrations APPROVED

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



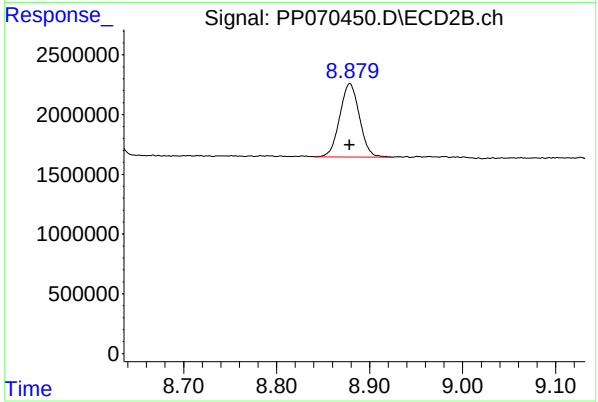
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5571543
Conc: 5.13 ng/ml



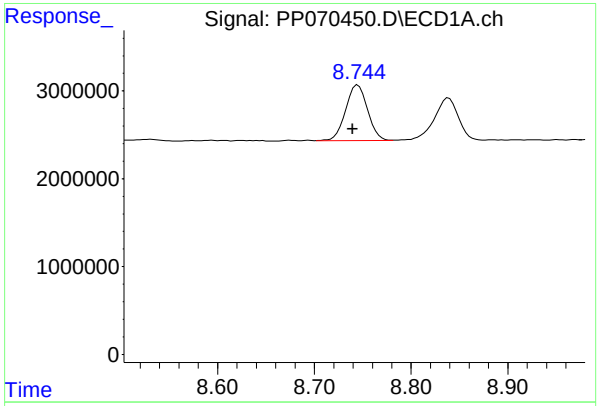
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.004 min
Response: 9326315
Conc: 4.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 9031570
Conc: 5.26 ng/ml



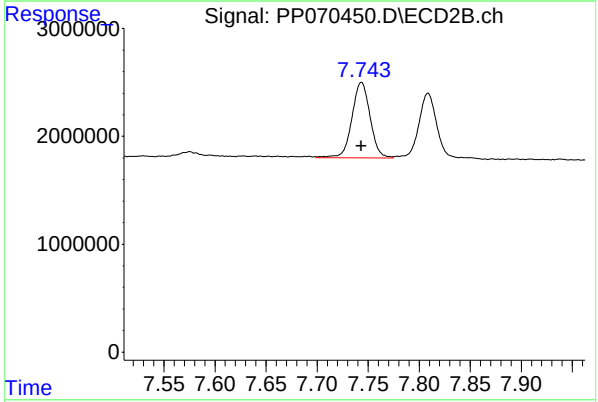
#41 AR-1268-1

R.T.: 8.745 min
Delta R.T.: 0.005 mi
Response: 9919952
Conc: 50.06 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

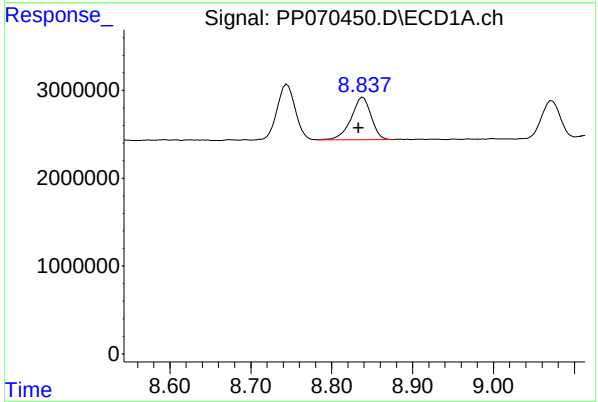
Manual Integrations APPROVED

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



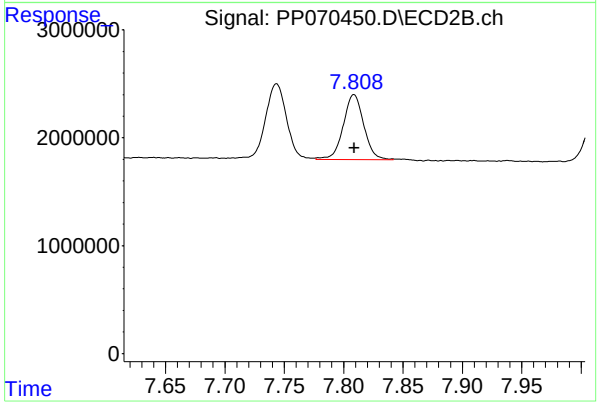
#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 8743585
Conc: 49.93 ng/ml m



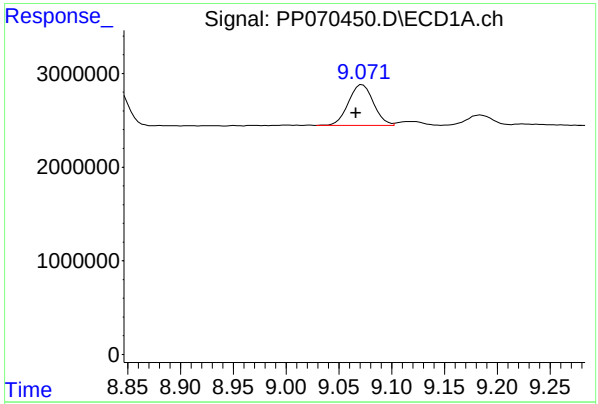
#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.005 min
Response: 8340607
Conc: 48.93 ng/ml



#42 AR-1268-2

R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 7243137
Conc: 49.49 ng/ml m



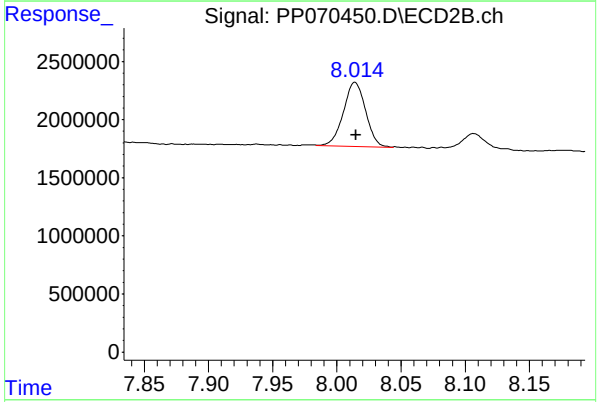
#43 AR-1268-3

R.T.: 9.072 min
Delta R.T.: 0.006 mi
Response: 7178199
Conc: 48.82 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

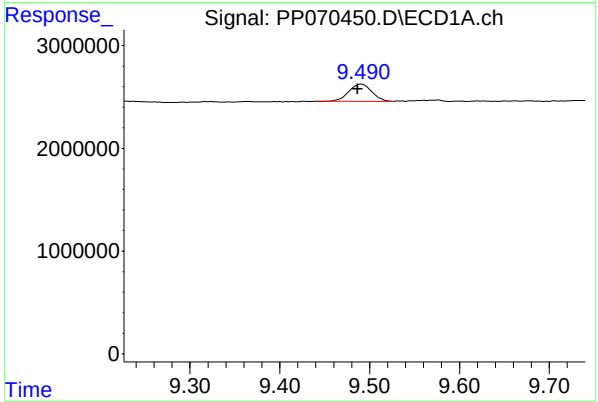
Manual Integrations APPROVED

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



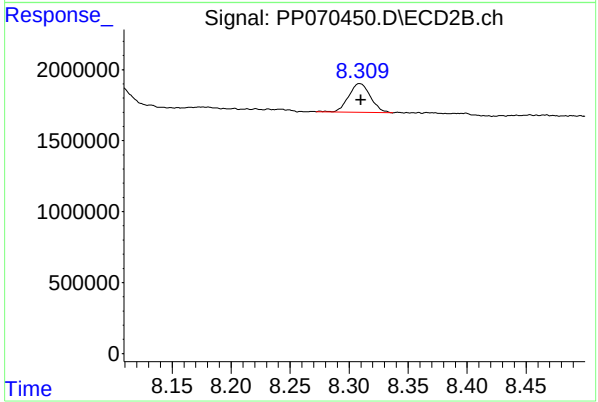
#43 AR-1268-3

R.T.: 8.014 min
Delta R.T.: -0.001 min
Response: 6658040
Conc: 52.38 ng/ml m



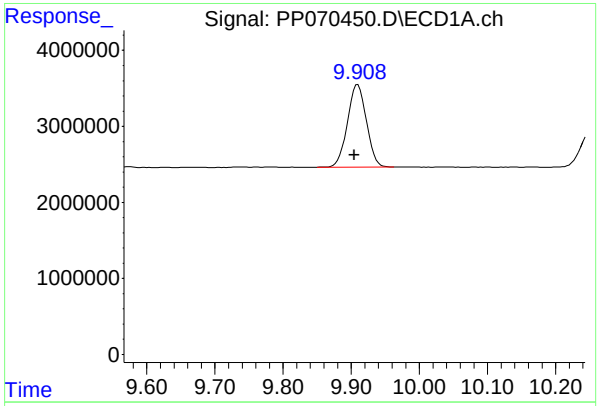
#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.005 min
Response: 2987981
Conc: 46.03 ng/ml



#44 AR-1268-4

R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 2604541
Conc: 46.76 ng/ml



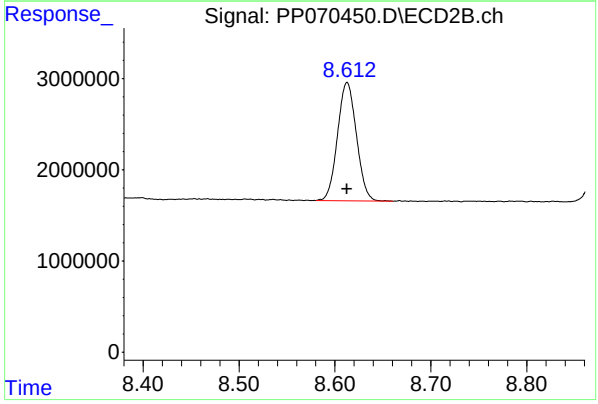
#45 AR-1268-5

R.T.: 9.910 min
Delta R.T.: 0.005 min
Response: 21070074
Conc: 50.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

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



#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 17728904
Conc: 47.74 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:54
Operator : YP\AJ
Sample : PP031125ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 00:06:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.827	81467484	52091643	52.378	51.973
2)	SA Decachlor...	10.249	8.877	57030864	51101188	53.684	52.231
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.914	26763573	18466483	516.161	513.635
4)	L1 AR-1016-2	5.697	4.933	39150950	25663697	547.223	493.849
5)	L1 AR-1016-3	5.760	5.111	24376753	14439904	535.307	507.493
6)	L1 AR-1016-4	5.857	5.152	20068166	11515792	514.070	514.330
7)	L1 AR-1016-5	6.150	5.367	18221356	14760415	526.294	496.668
31)	L7 AR-1260-1	7.269	6.404	31459138	25772586	535.582	517.684
32)	L7 AR-1260-2	7.523	6.592	43093099	34068219	525.250	515.502
33)	L7 AR-1260-3	7.882	6.746	35379890	29455426	538.034	514.979
34)	L7 AR-1260-4	8.106	7.218	34778399	26486148	532.246	517.676
35)	L7 AR-1260-5	8.427	7.460	73694362	66685007	539.184	517.800

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

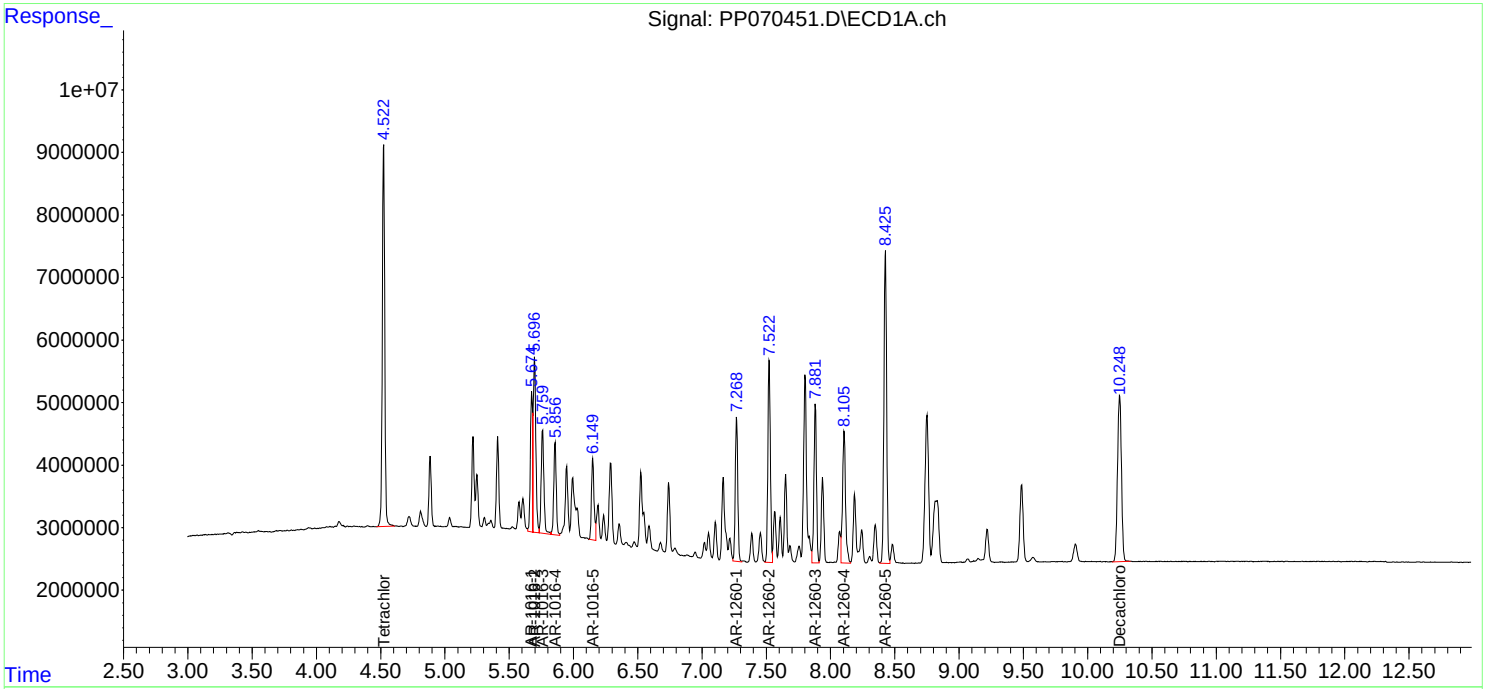
ICAL Form

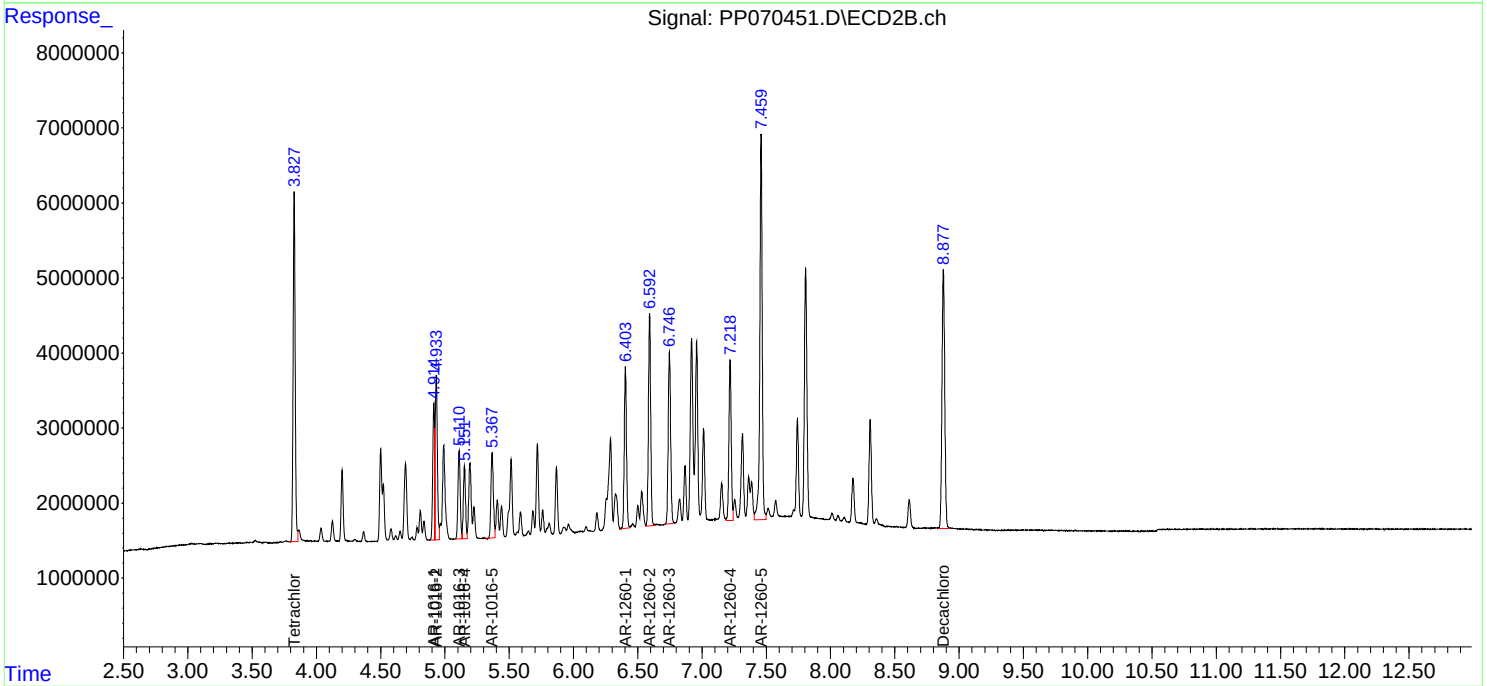
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:54
Operator : YP\AJ
Sample : PP031125ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

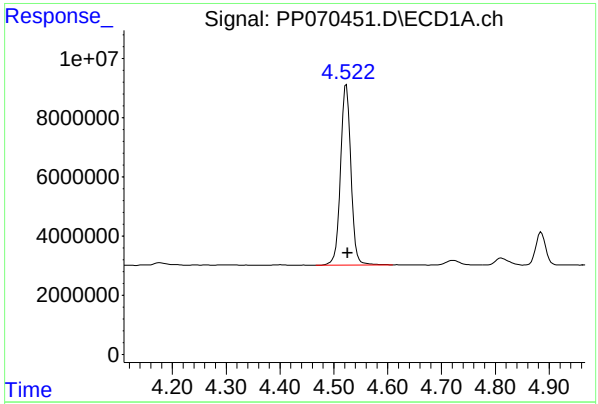
Instrument :
ECD_P
ClientSampleId :
ICVPP031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 00:06:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



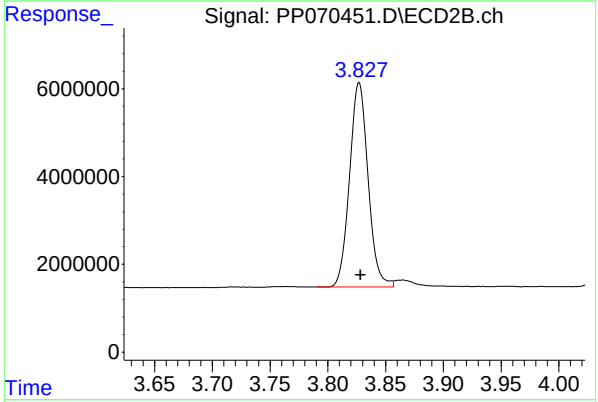




#1 Tetrachloro-m-xylene

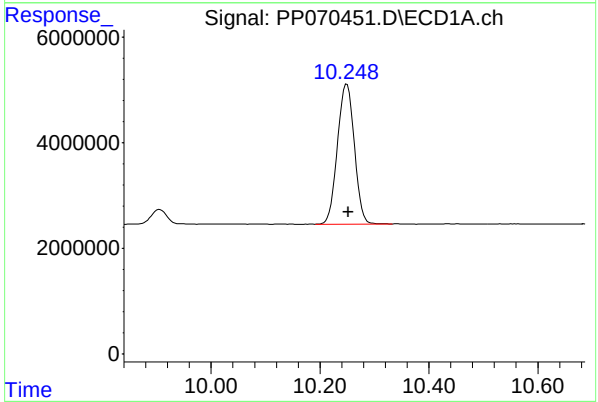
R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 81467484
Conc: 52.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



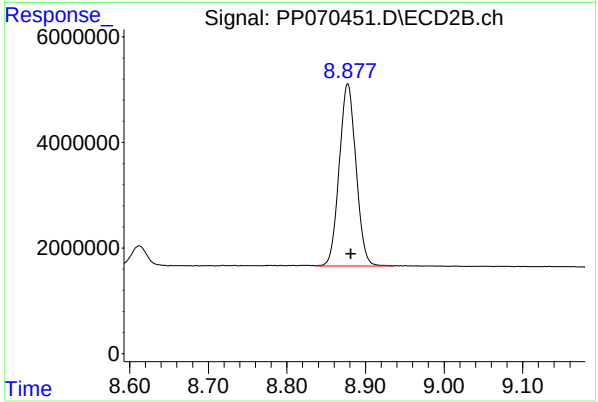
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.001 min
Response: 52091643
Conc: 51.97 ng/ml



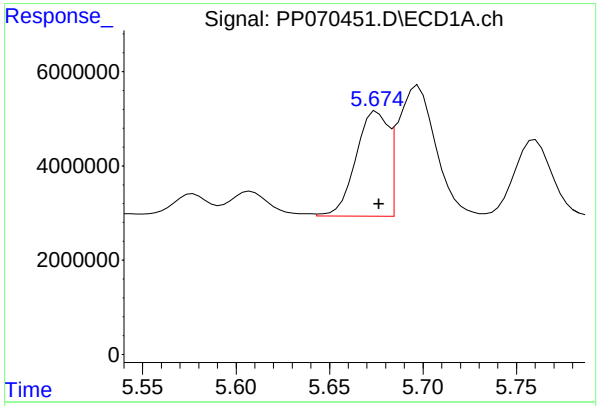
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.003 min
Response: 57030864
Conc: 53.68 ng/ml



#2 Decachlorobiphenyl

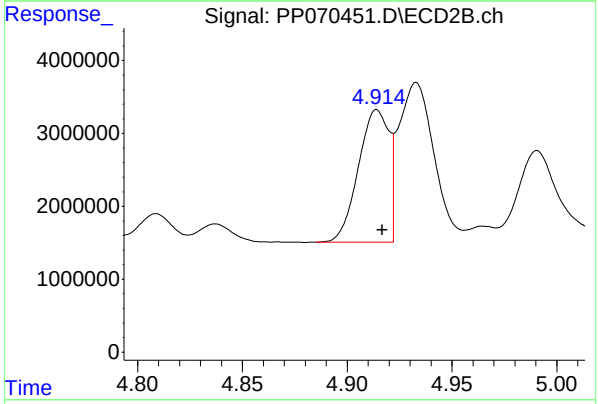
R.T.: 8.877 min
Delta R.T.: -0.004 min
Response: 51101188
Conc: 52.23 ng/ml



#3 AR-1016-1

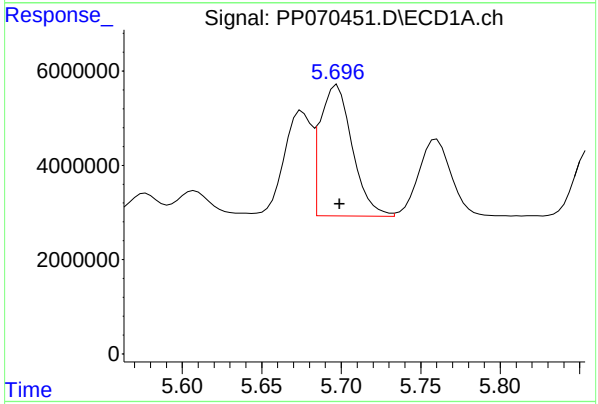
R.T.: 5.675 min
Delta R.T.: -0.001 mi
Response: 26763573
Conc: 516.16 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



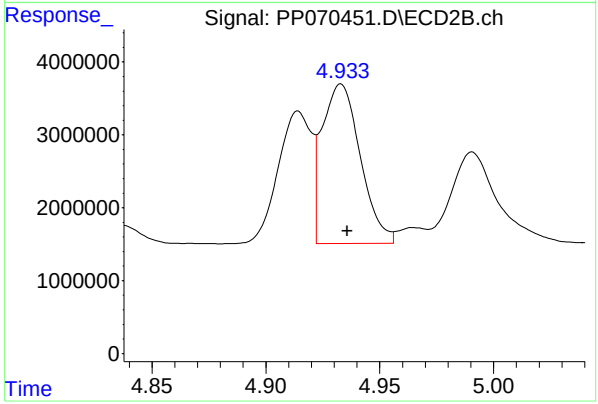
#3 AR-1016-1

R.T.: 4.914 min
Delta R.T.: -0.003 min
Response: 18466483
Conc: 513.64 ng/ml



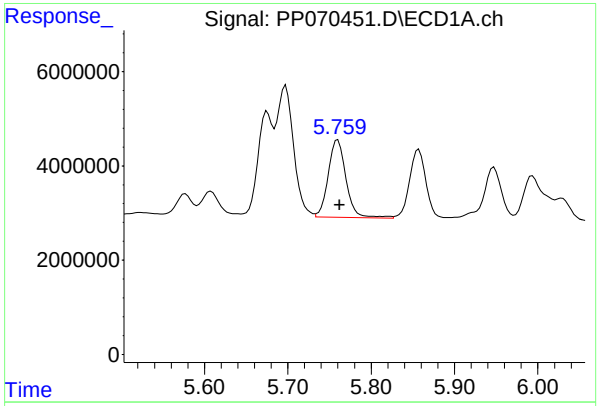
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 39150950
Conc: 547.22 ng/ml



#4 AR-1016-2

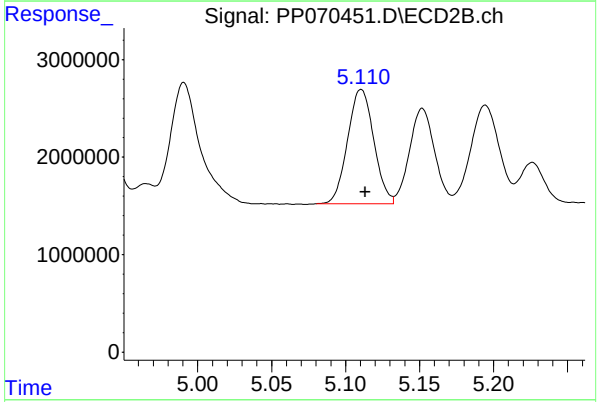
R.T.: 4.933 min
Delta R.T.: -0.003 min
Response: 25663697
Conc: 493.85 ng/ml



#5 AR-1016-3

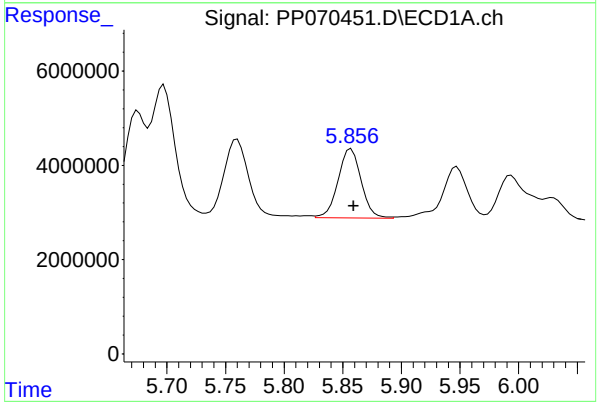
R.T.: 5.760 min
Delta R.T.: -0.002 min
Response: 24376753
Conc: 535.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



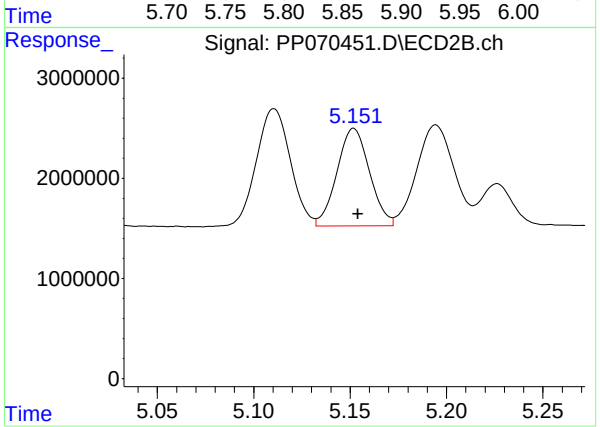
#5 AR-1016-3

R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 14439904
Conc: 507.49 ng/ml



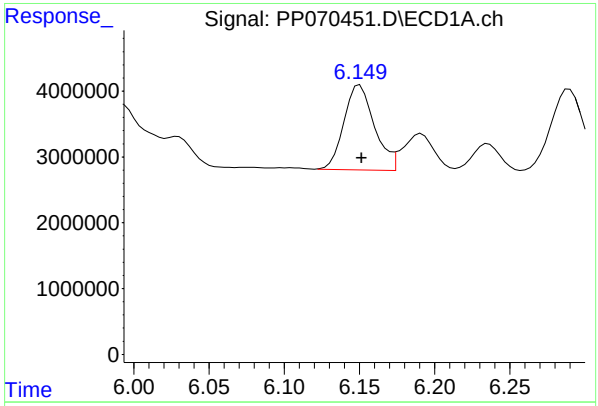
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 20068166
Conc: 514.07 ng/ml



#6 AR-1016-4

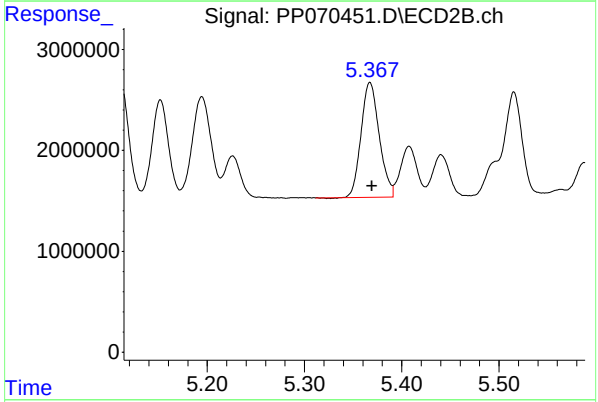
R.T.: 5.152 min
Delta R.T.: -0.002 min
Response: 11515792
Conc: 514.33 ng/ml



#7 AR-1016-5

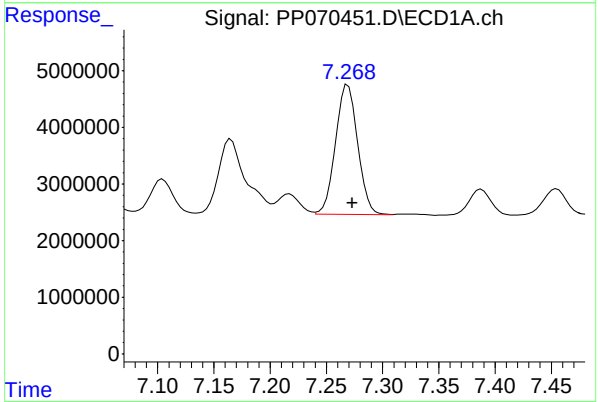
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 18221356
Conc: 526.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



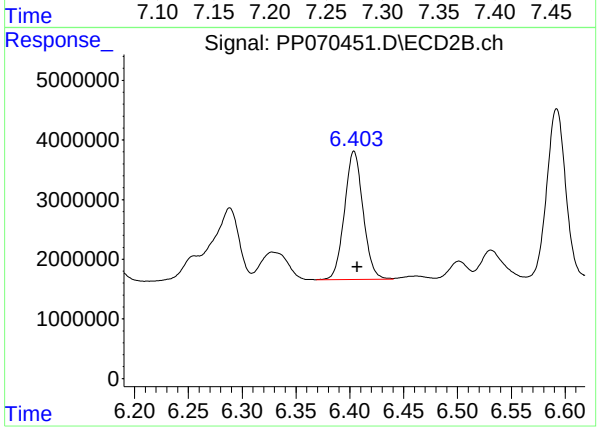
#7 AR-1016-5

R.T.: 5.367 min
Delta R.T.: -0.002 min
Response: 14760415
Conc: 496.67 ng/ml



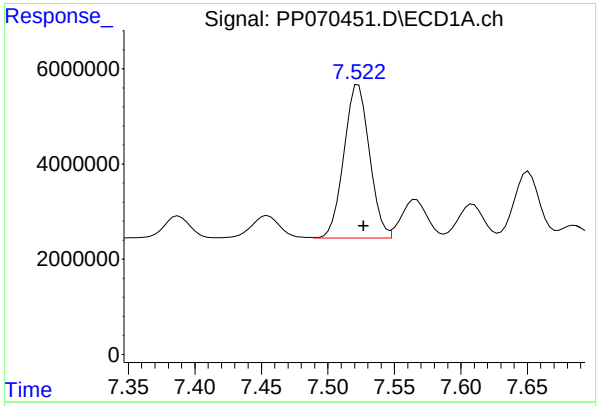
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.004 min
Response: 31459138
Conc: 535.58 ng/ml



#31 AR-1260-1

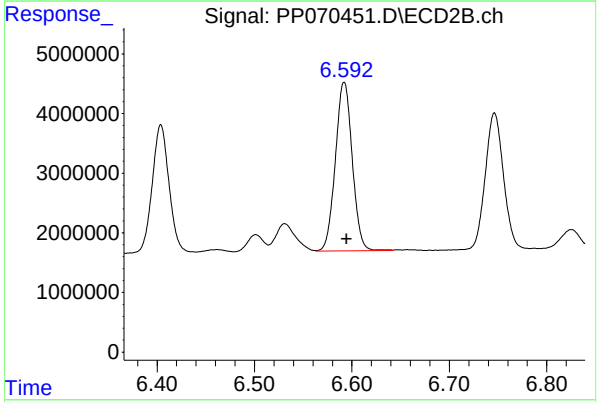
R.T.: 6.404 min
Delta R.T.: -0.003 min
Response: 25772586
Conc: 517.68 ng/ml



#32 AR-1260-2

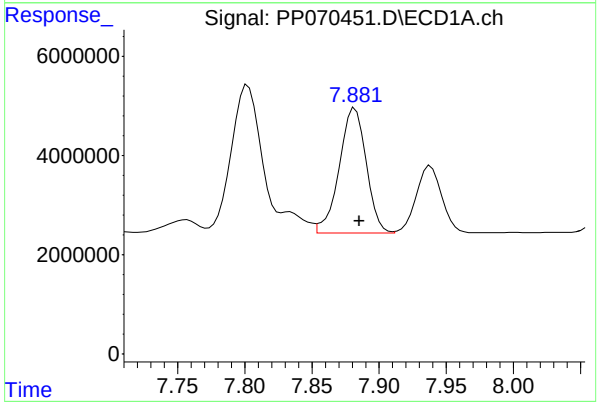
R.T.: 7.523 min
Delta R.T.: -0.004 min
Response: 43093099
Conc: 525.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



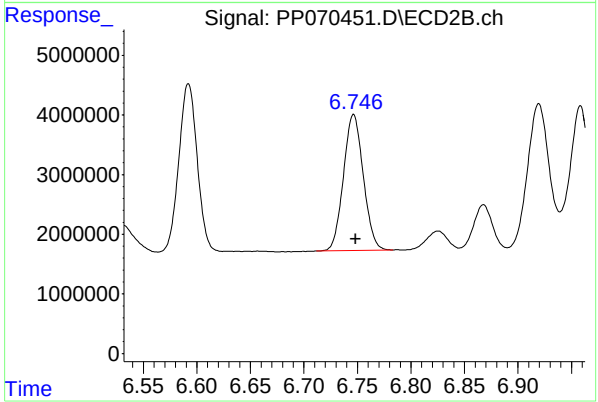
#32 AR-1260-2

R.T.: 6.592 min
Delta R.T.: -0.002 min
Response: 34068219
Conc: 515.50 ng/ml



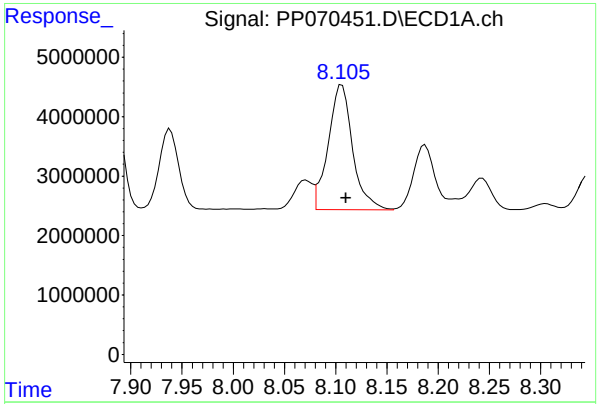
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.003 min
Response: 35379890
Conc: 538.03 ng/ml



#33 AR-1260-3

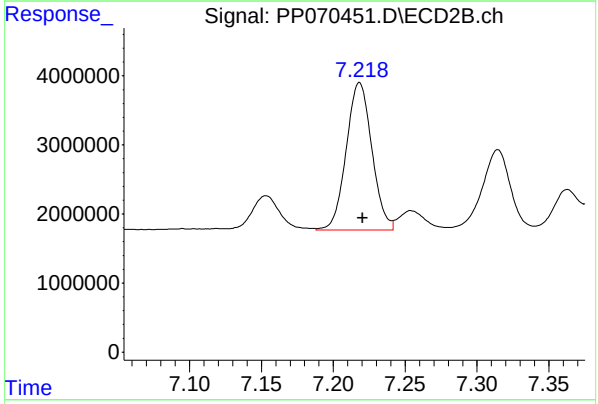
R.T.: 6.746 min
Delta R.T.: -0.002 min
Response: 29455426
Conc: 514.98 ng/ml



#34 AR-1260-4

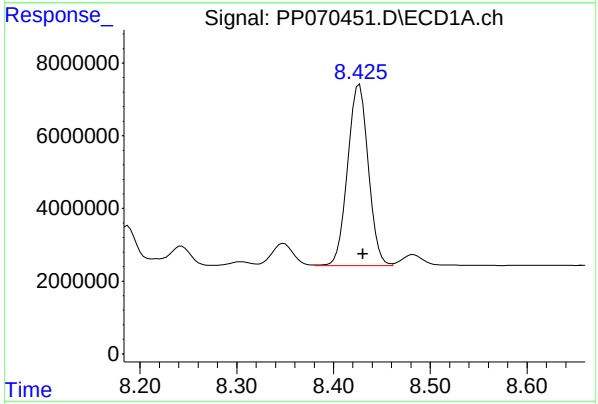
R.T.: 8.106 min
Delta R.T.: -0.004 min
Response: 34778399
Conc: 532.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125



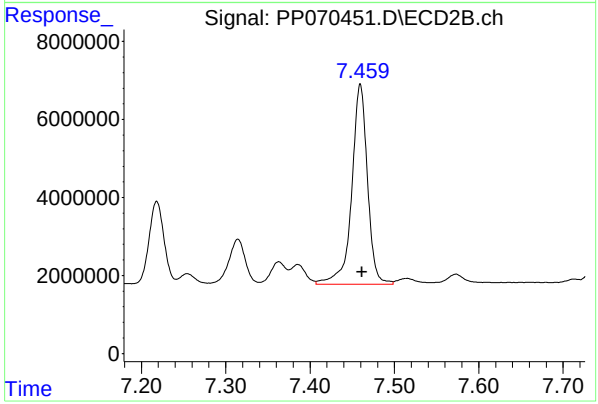
#34 AR-1260-4

R.T.: 7.218 min
Delta R.T.: -0.002 min
Response: 26486148
Conc: 517.68 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.004 min
Response: 73694362
Conc: 539.18 ng/ml



#35 AR-1260-5

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 66685007
Conc: 517.80 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:10
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 05:19:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	82637423	51891496	51.851	48.744
2)	SA Decachlor...	10.250	8.879	56319561	51738897	52.291	51.344
	Target Compounds						
11)	L3 AR-1232-1	4.887	4.202	17817484	13234008	501.090	503.008
12)	L3 AR-1232-2	5.412	4.934	9000524	12831570	533.581	497.115
13)	L3 AR-1232-3	5.698	5.112	19000238	6787601	519.562	484.519
14)	L3 AR-1232-4	5.858	5.196	9460626	5871572	498.077	501.319
15)	L3 AR-1232-5	5.948	5.368	6697975	6583987	516.729	503.825

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

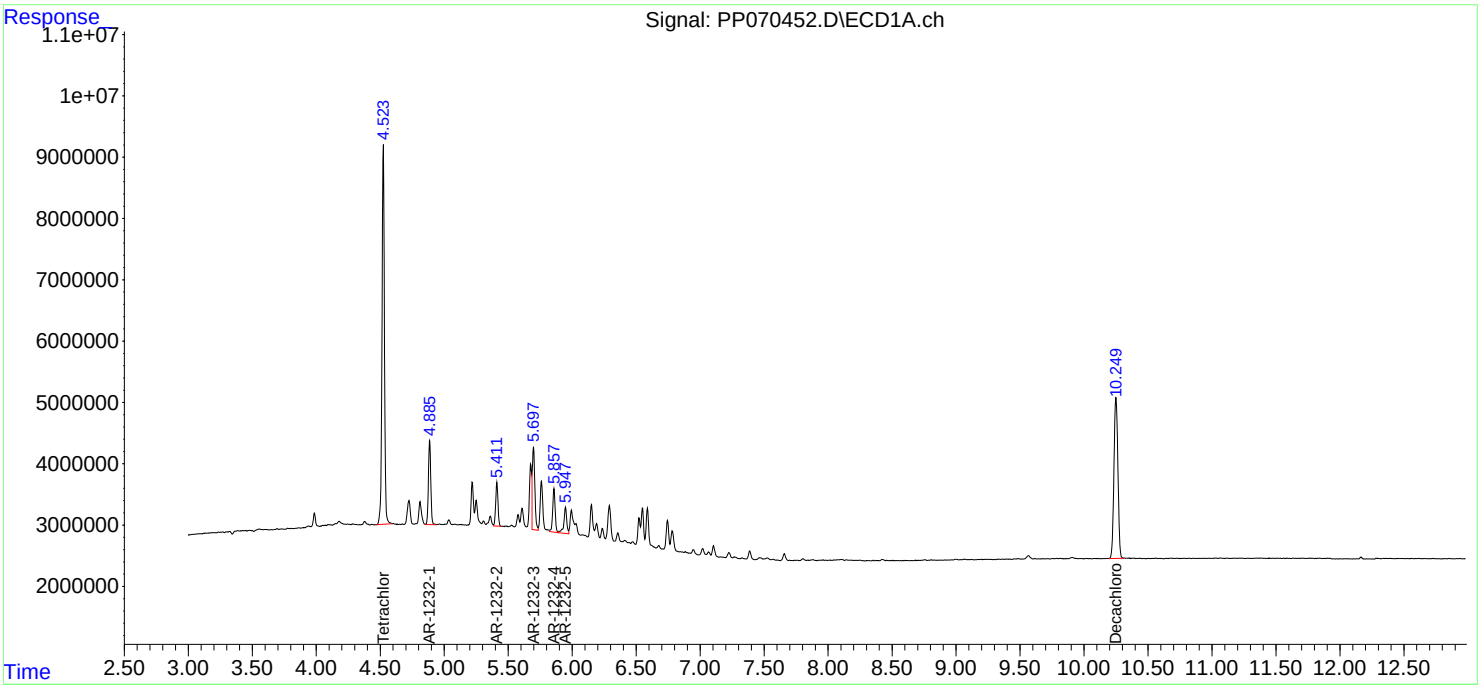
ICAL Form

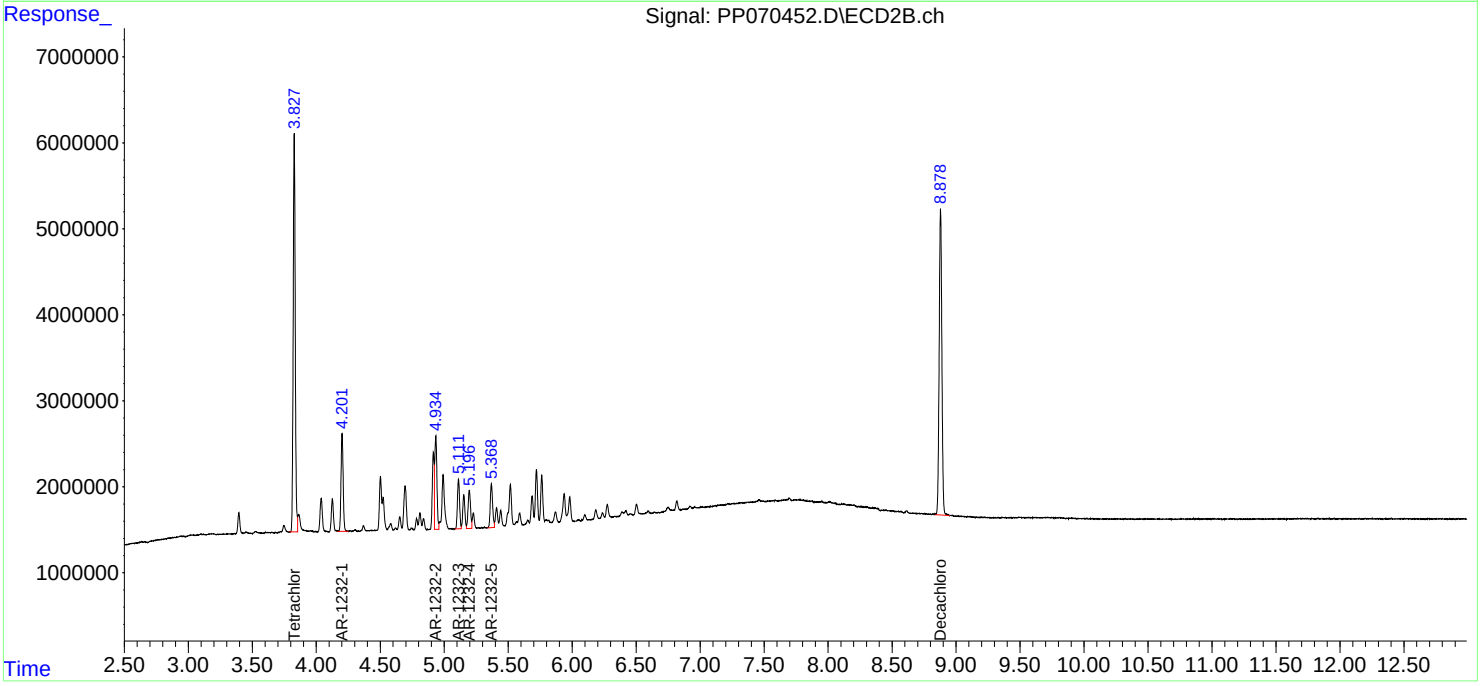
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:10
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

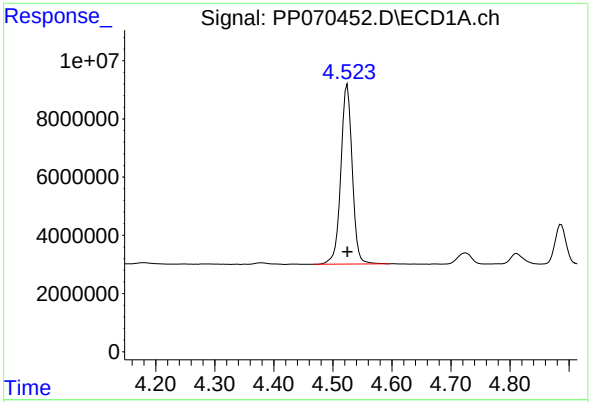
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 05:19:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



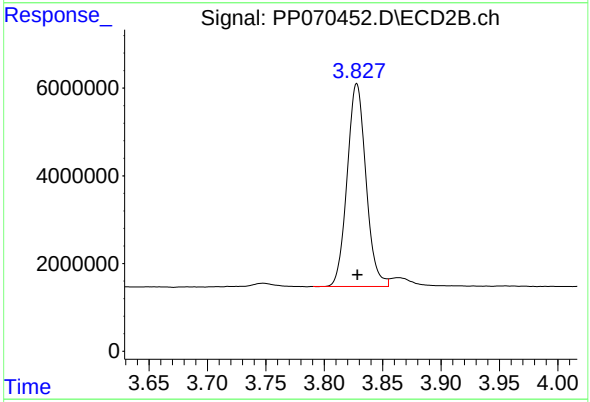




#1 Tetrachloro-m-xylene

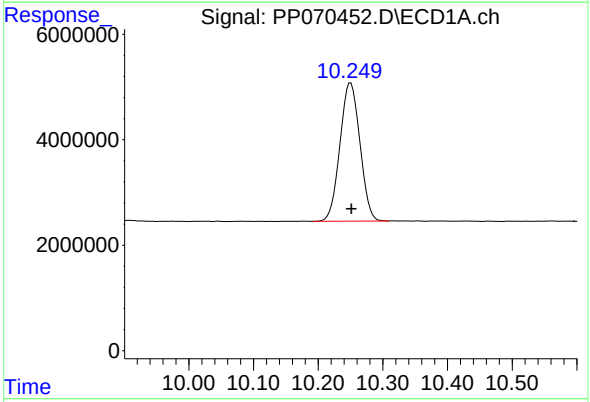
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 82637423
Conc: 51.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



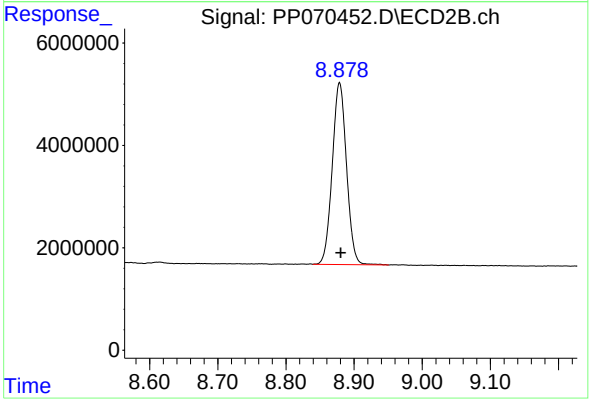
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51891496
Conc: 48.74 ng/ml



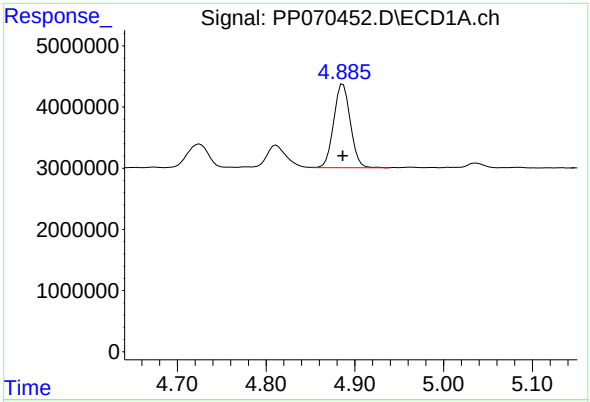
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.001 min
Response: 56319561
Conc: 52.29 ng/ml



#2 Decachlorobiphenyl

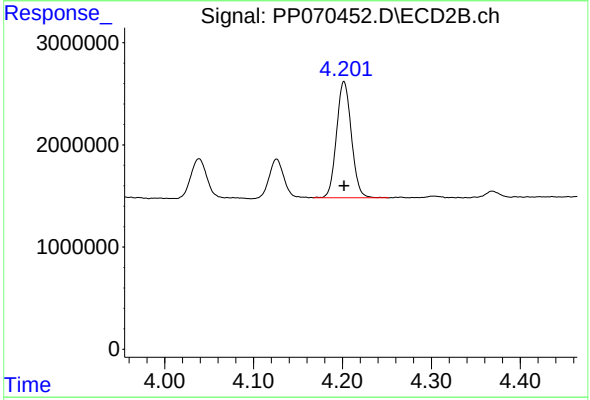
R.T.: 8.879 min
Delta R.T.: -0.002 min
Response: 51738897
Conc: 51.34 ng/ml



#11 AR-1232-1

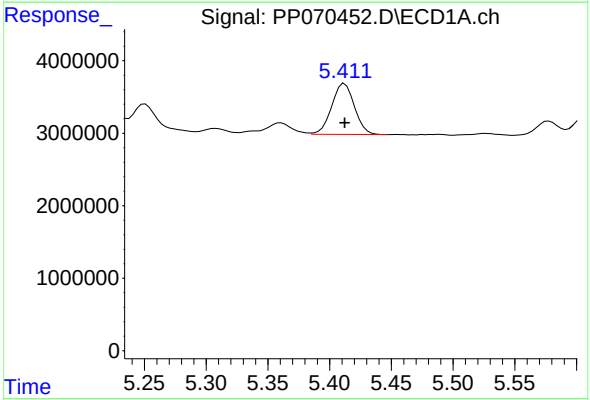
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 17817484
Conc: 501.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



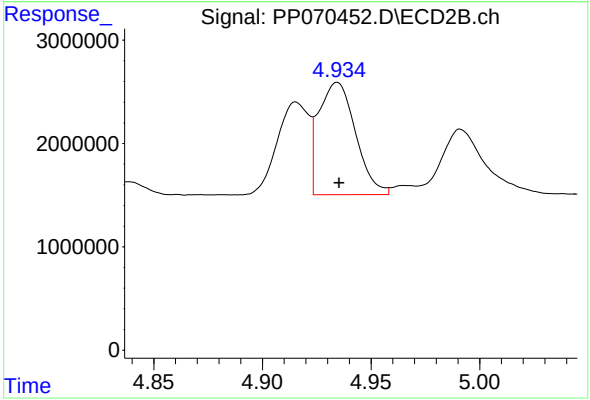
#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 13234008
Conc: 503.01 ng/ml



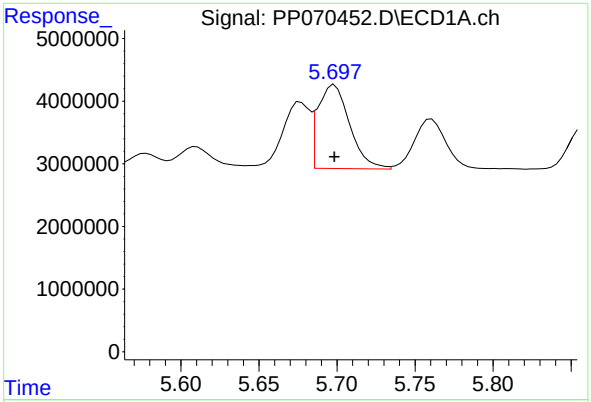
#12 AR-1232-2

R.T.: 5.412 min
Delta R.T.: 0.000 min
Response: 9000524
Conc: 533.58 ng/ml



#12 AR-1232-2

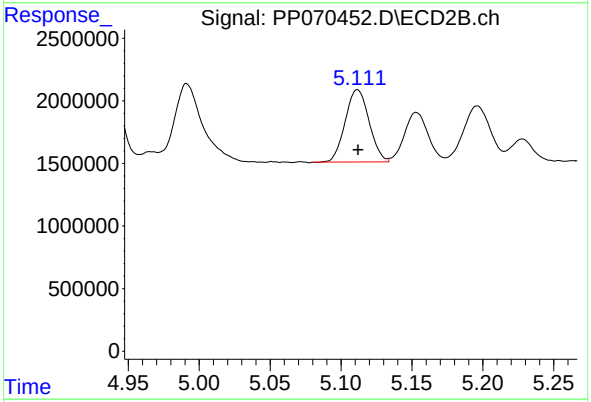
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 12831570
Conc: 497.11 ng/ml



#13 AR-1232-3

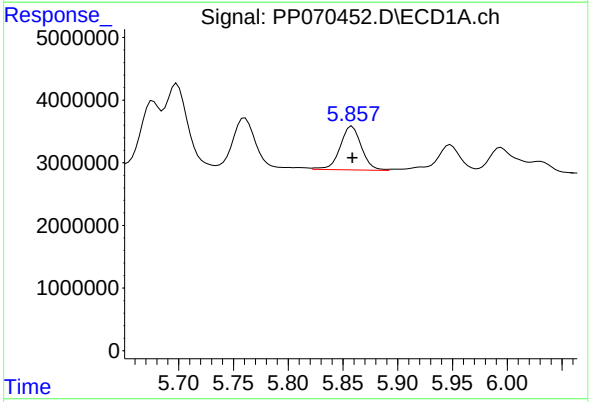
R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 19000238
Conc: 519.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



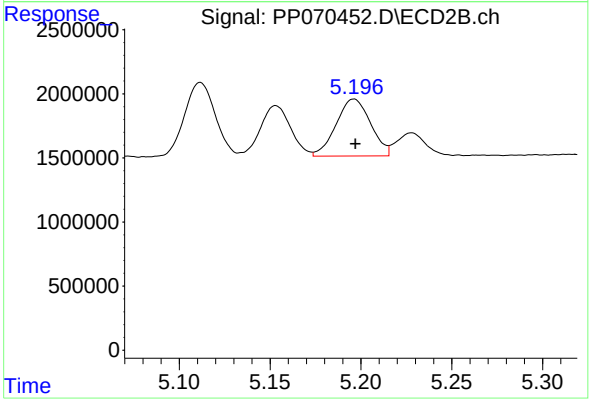
#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6787601
Conc: 484.52 ng/ml



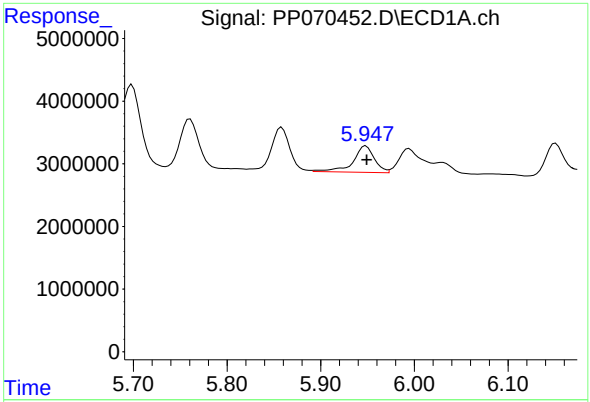
#14 AR-1232-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 9460626
Conc: 498.08 ng/ml



#14 AR-1232-4

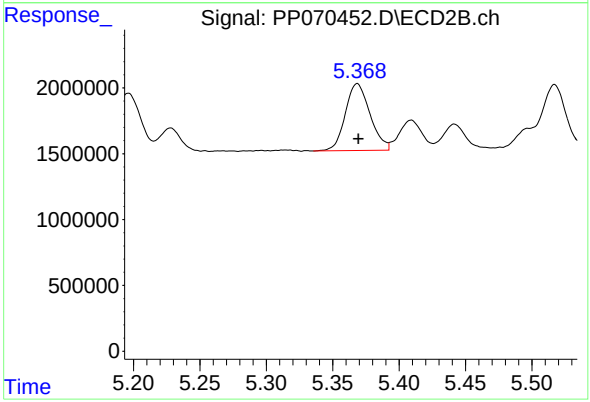
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 5871572
Conc: 501.32 ng/ml



#15 AR-1232-5

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 6697975
Conc: 516.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1232



#15 AR-1232-5

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 6583987
Conc: 503.83 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:27
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:28:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.522	3.828	80900104	52039514	51.573	51.996
2)	SA Decachlor...	10.247	8.877	56432259	50213028	52.789	48.963
	Target Compounds						
16)	L4 AR-1242-1	5.673	4.914	21829875	15588752	491.127	509.246
17)	L4 AR-1242-2	5.695	4.933	32588571	21901951	530.924	502.366
18)	L4 AR-1242-3	5.758	5.111	19614357	12116039	528.672	508.387
19)	L4 AR-1242-4	5.855	5.195	16599935	11430650	516.600	518.573
20)	L4 AR-1242-5	6.586	5.720	17030676	14600485	548.536	522.919

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

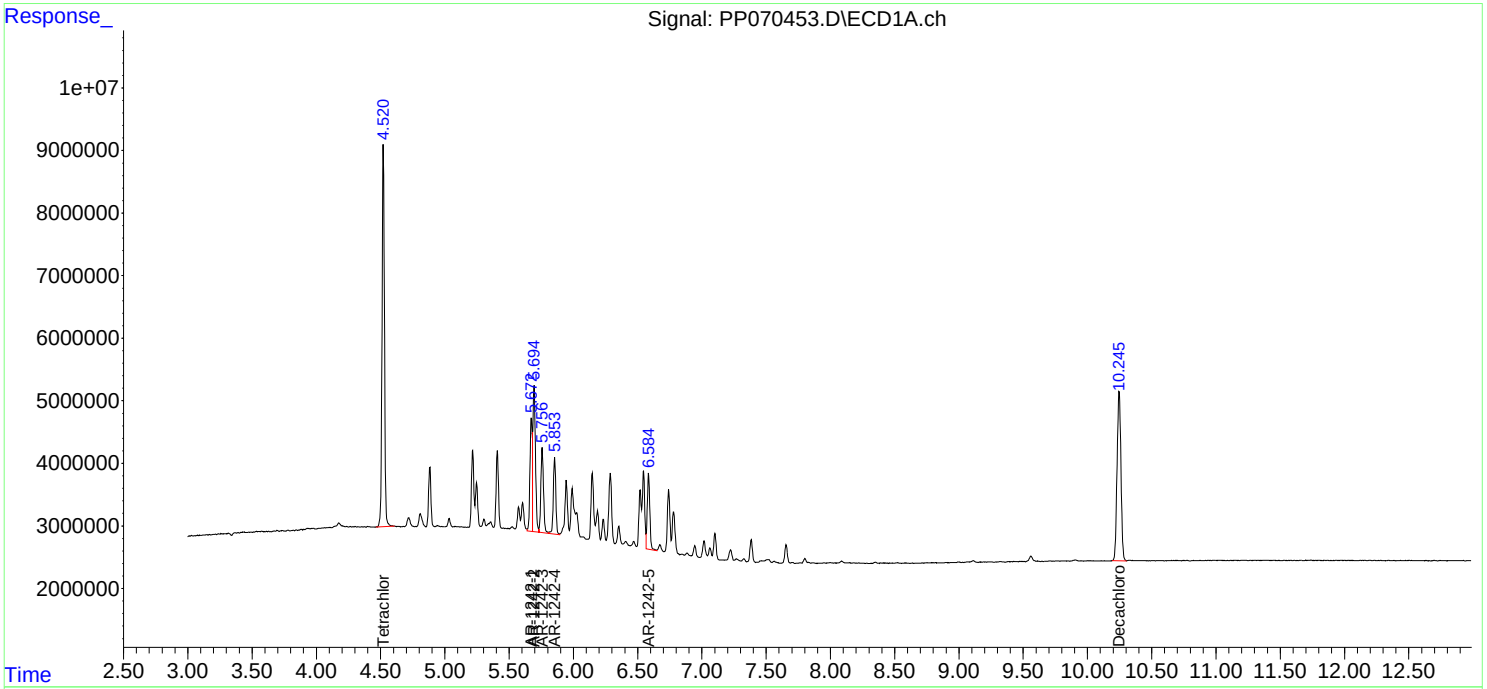
ICAL Form

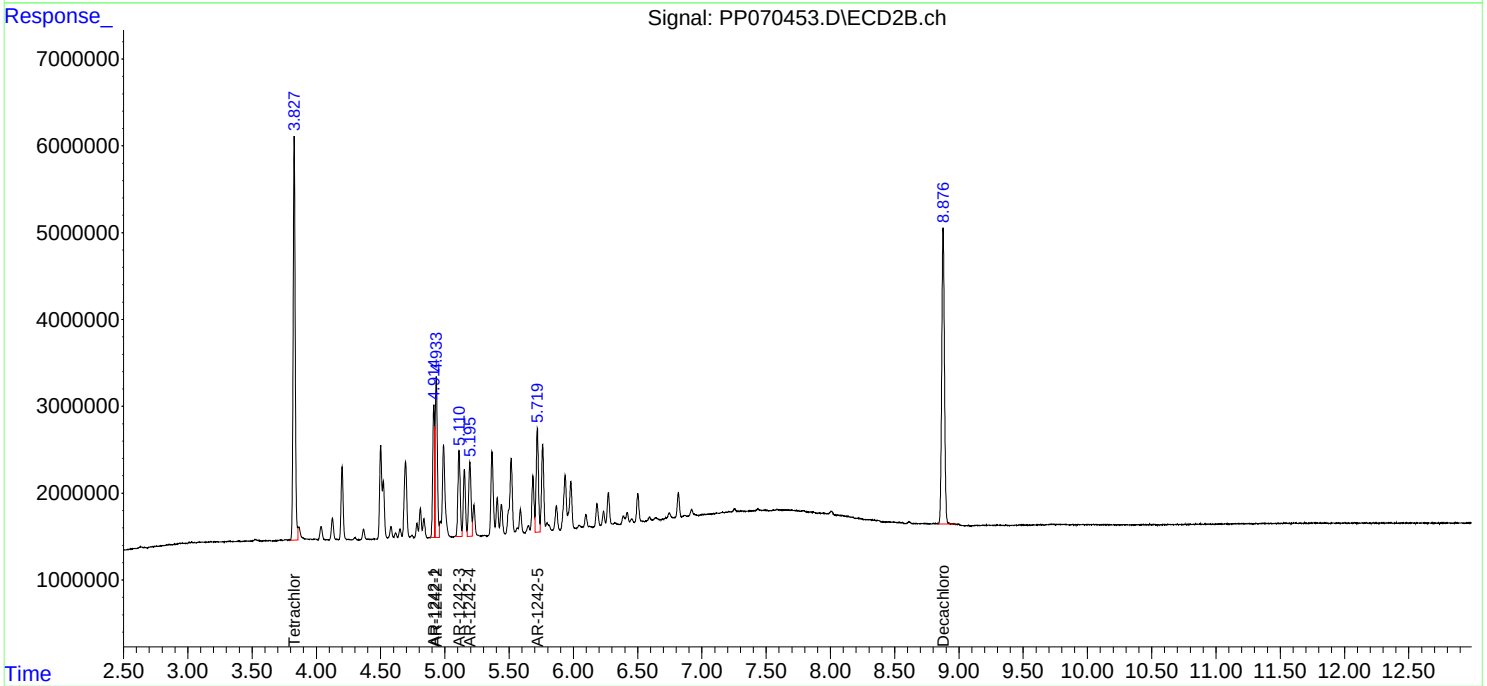
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:27
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

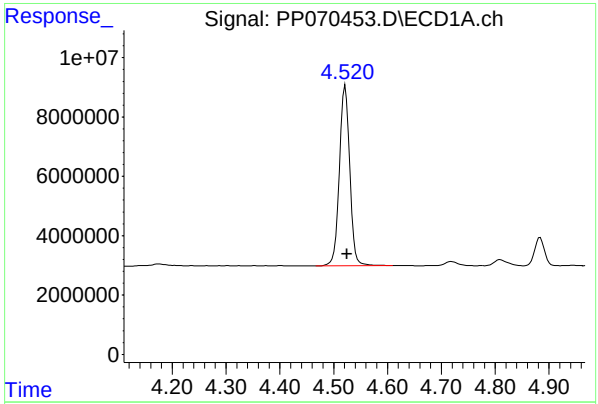
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:28:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



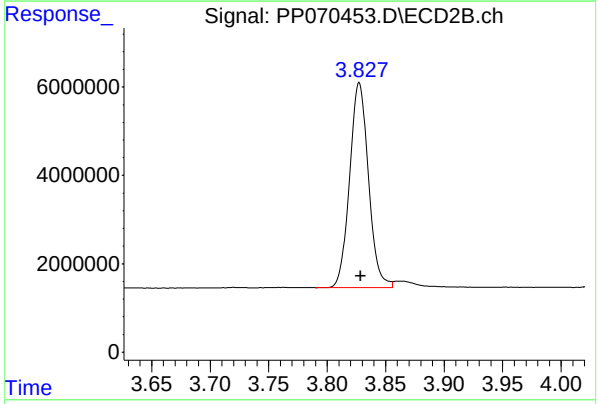




#1 Tetrachloro-m-xylene

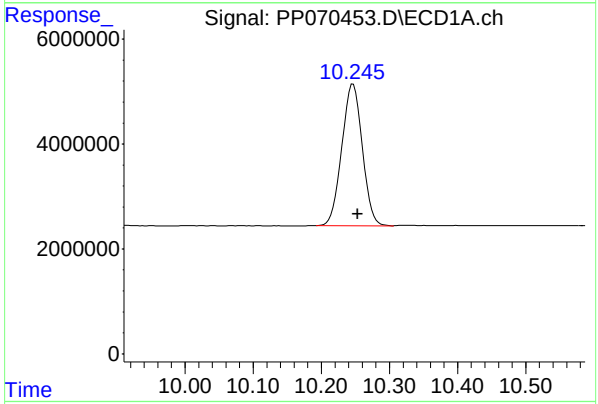
R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 80900104
Conc: 51.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



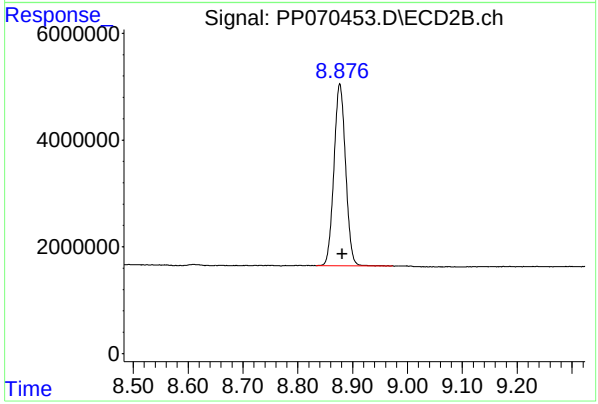
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.001 min
Response: 52039514
Conc: 52.00 ng/ml



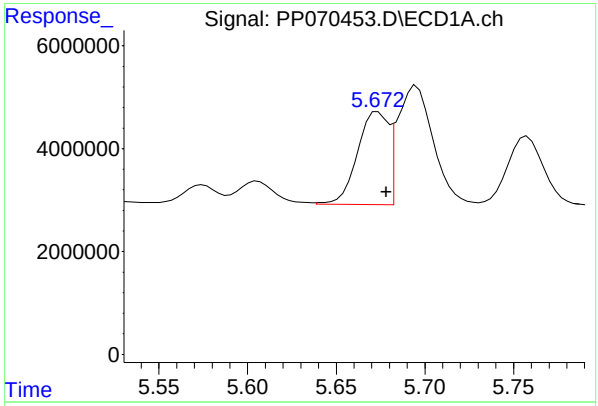
#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.007 min
Response: 56432259
Conc: 52.79 ng/ml



#2 Decachlorobiphenyl

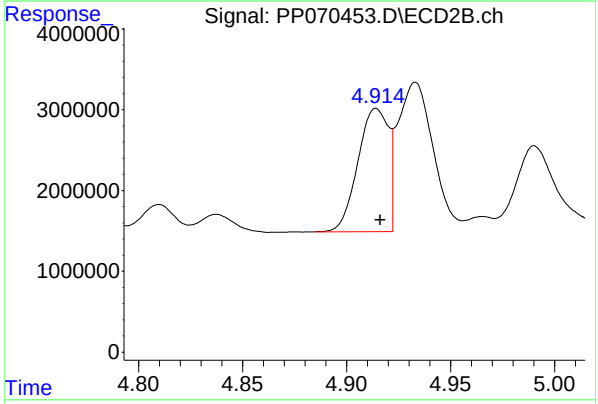
R.T.: 8.877 min
Delta R.T.: -0.004 min
Response: 50213028
Conc: 48.96 ng/ml



#16 AR-1242-1

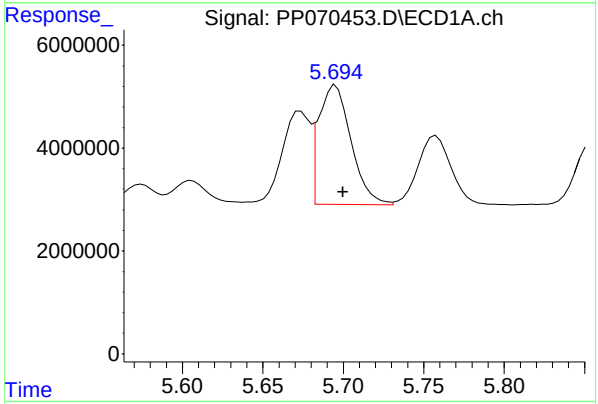
R.T.: 5.673 min
Delta R.T.: -0.005 min
Response: 21829875
Conc: 491.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



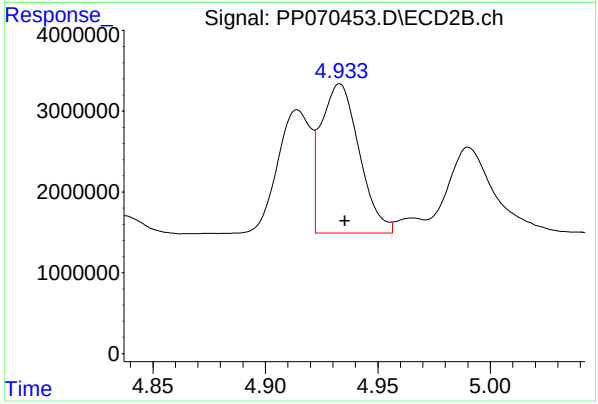
#16 AR-1242-1

R.T.: 4.914 min
Delta R.T.: -0.002 min
Response: 15588752
Conc: 509.25 ng/ml



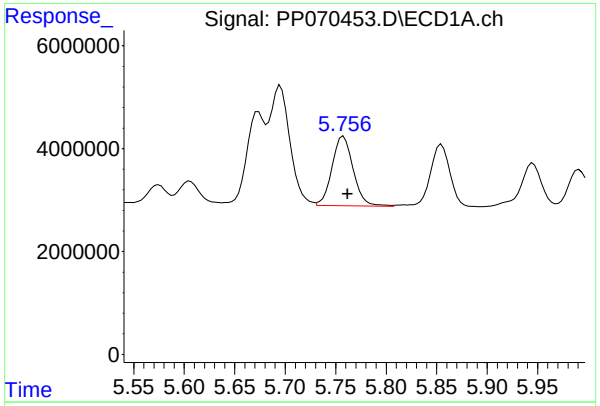
#17 AR-1242-2

R.T.: 5.695 min
Delta R.T.: -0.005 min
Response: 32588571
Conc: 530.92 ng/ml



#17 AR-1242-2

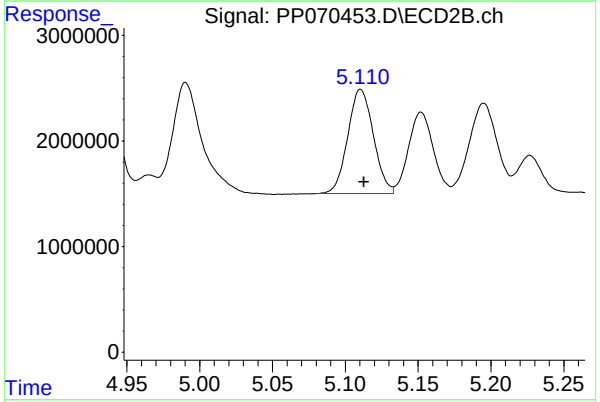
R.T.: 4.933 min
Delta R.T.: -0.002 min
Response: 21901951
Conc: 502.37 ng/ml



#18 AR-1242-3

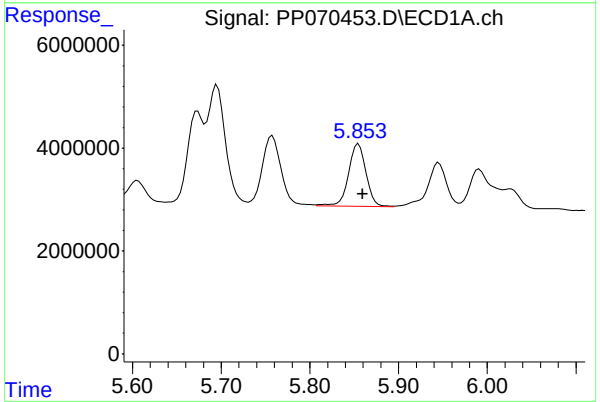
R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 19614357
Conc: 528.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



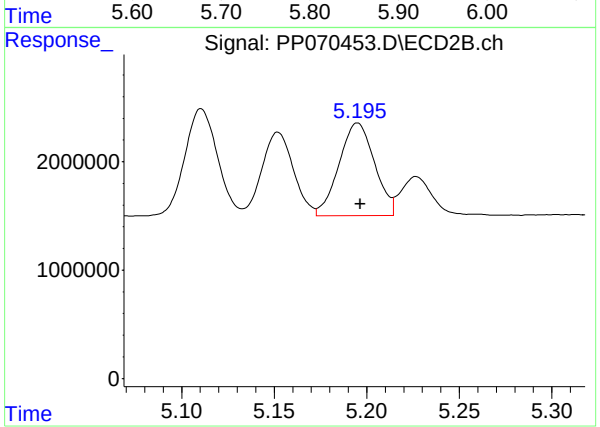
#18 AR-1242-3

R.T.: 5.111 min
Delta R.T.: -0.002 min
Response: 12116039
Conc: 508.39 ng/ml



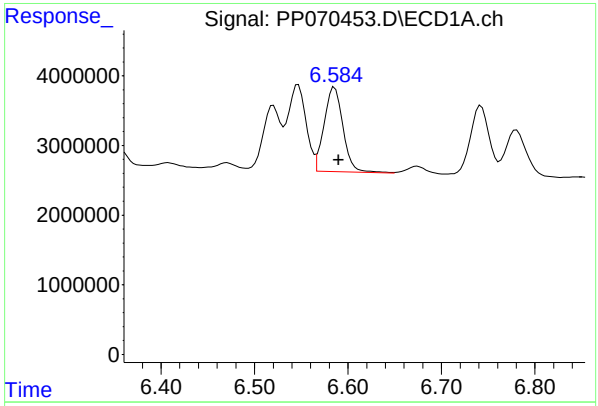
#19 AR-1242-4

R.T.: 5.855 min
Delta R.T.: -0.005 min
Response: 16599935
Conc: 516.60 ng/ml



#19 AR-1242-4

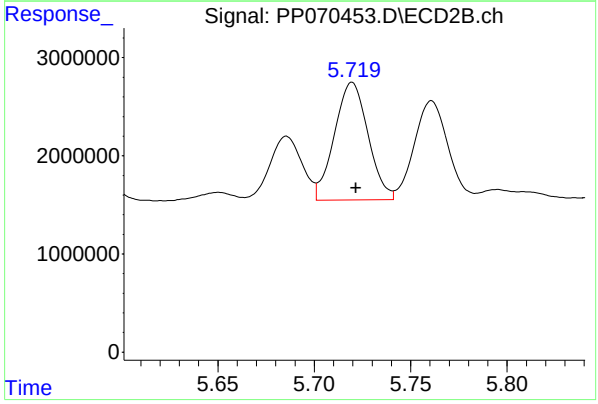
R.T.: 5.195 min
Delta R.T.: -0.001 min
Response: 11430650
Conc: 518.57 ng/ml



#20 AR-1242-5

R.T.: 6.586 min
Delta R.T.: -0.005 min
Response: 17030676
Conc: 548.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1242



#20 AR-1242-5

R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 14600485
Conc: 522.92 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:43
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:44:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:39:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.827	80763365	51993820	51.381	50.996
2)	SA Decachlor...	10.249	8.879	57381734	53329390	53.107	53.338
	Target Compounds						
21)	L5 AR-1248-1	5.675	4.915	17366035	11930350	508.434	508.204
22)	L5 AR-1248-2	5.948	5.152	22908060	15777449	539.683	504.016
23)	L5 AR-1248-3	6.150	5.195	24248973	16449582	525.454	518.561
24)	L5 AR-1248-4	6.549	5.368	29245571	19332171	504.310	496.038
25)	L5 AR-1248-5	6.588	5.762	27662486	19099791	515.251	501.482

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

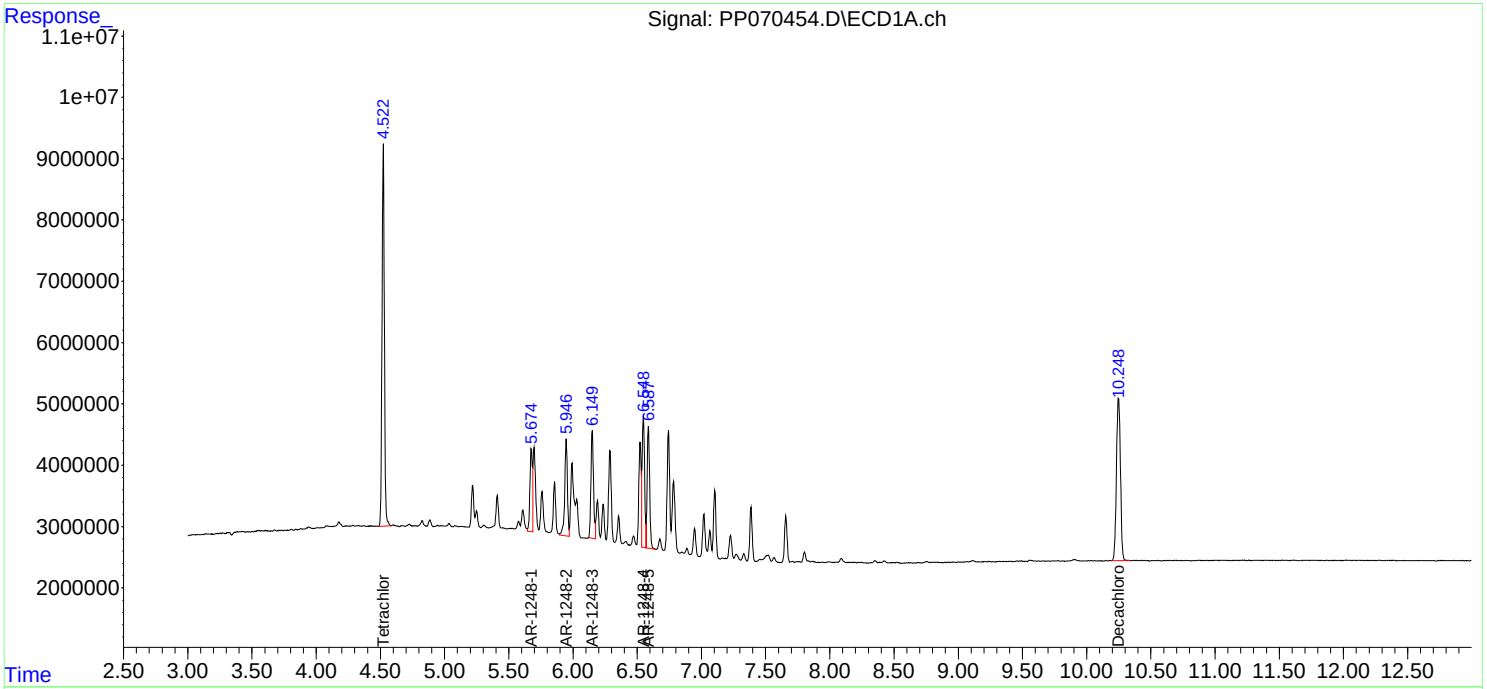
ICAL Form

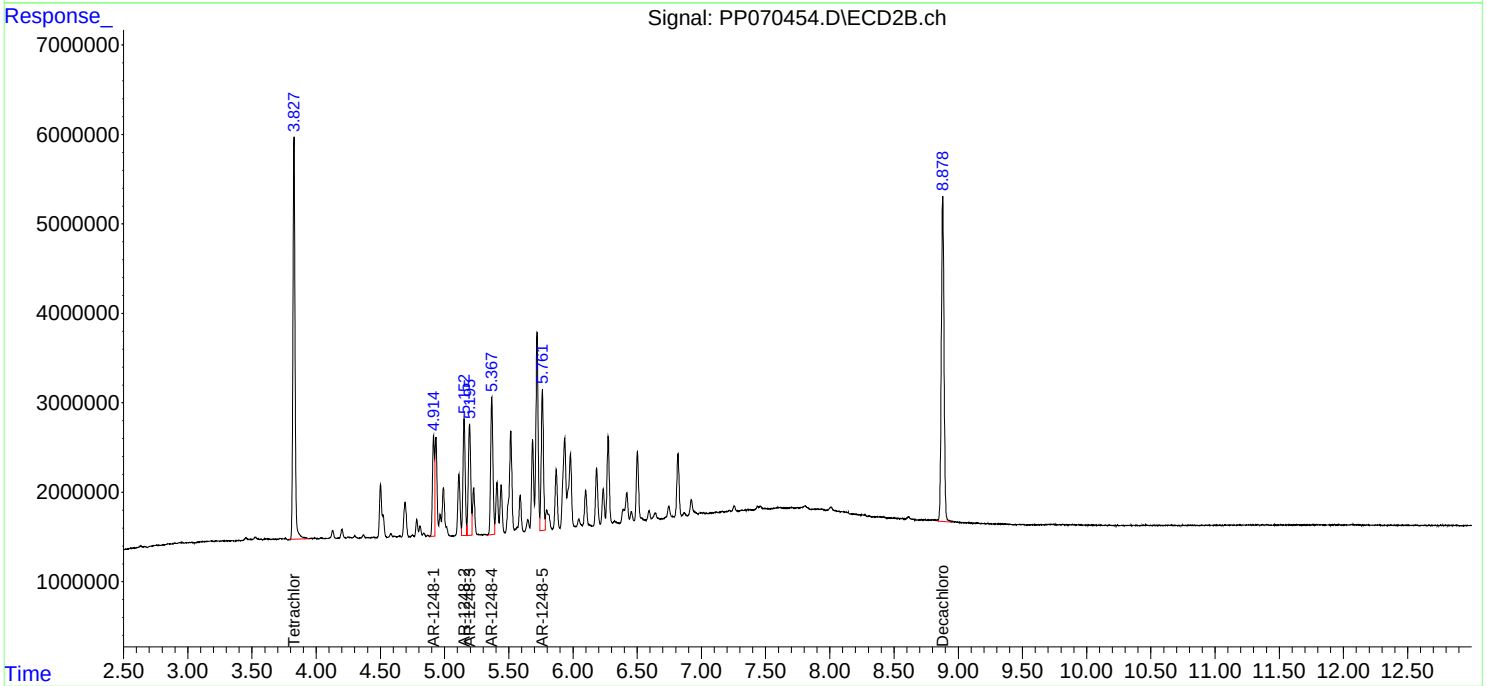
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:43
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

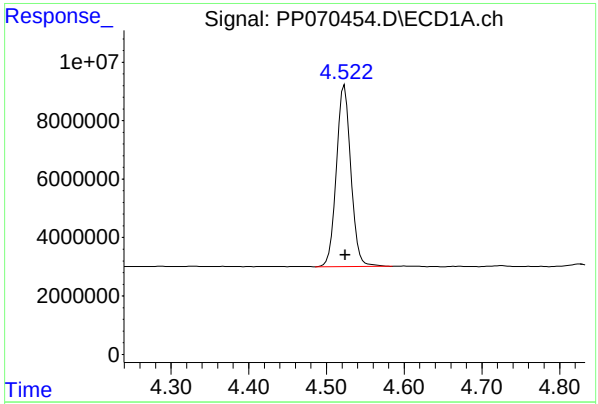
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:44:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:39:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



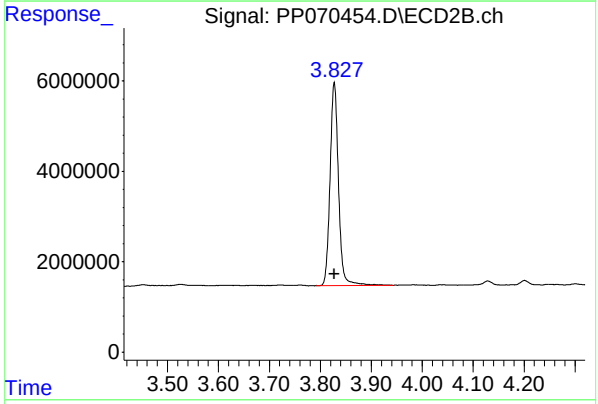




#1 Tetrachloro-m-xylene

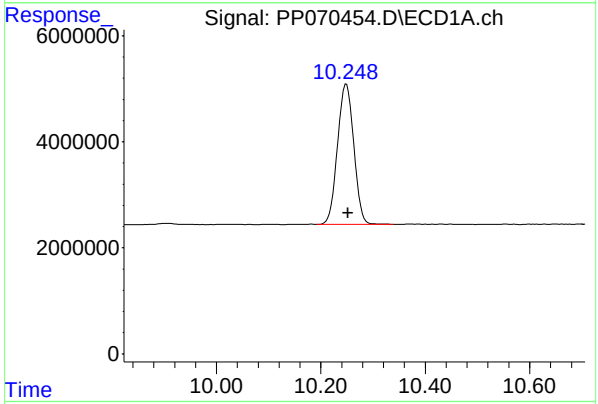
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 80763365
Conc: 51.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



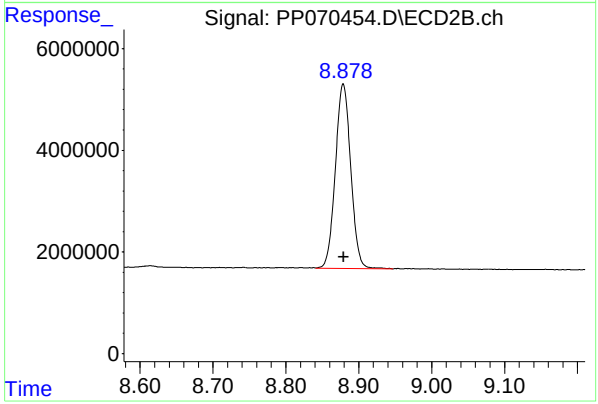
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 51993820
Conc: 51.00 ng/ml



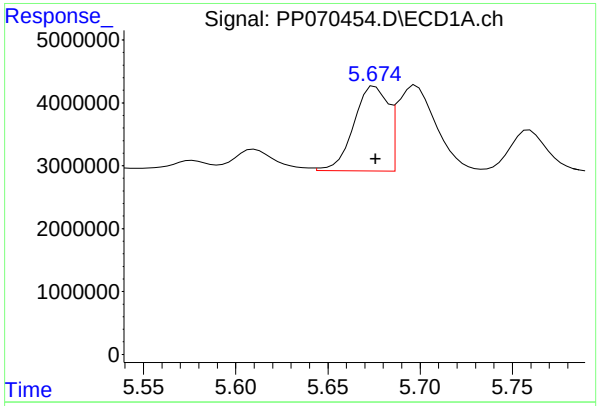
#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.003 min
Response: 57381734
Conc: 53.11 ng/ml



#2 Decachlorobiphenyl

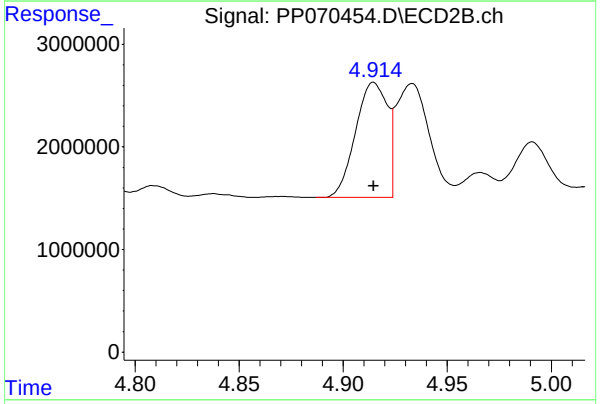
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 53329390
Conc: 53.34 ng/ml



#21 AR-1248-1

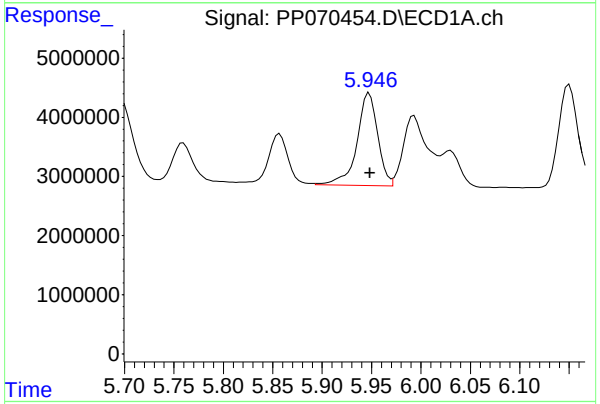
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 17366035
Conc: 508.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



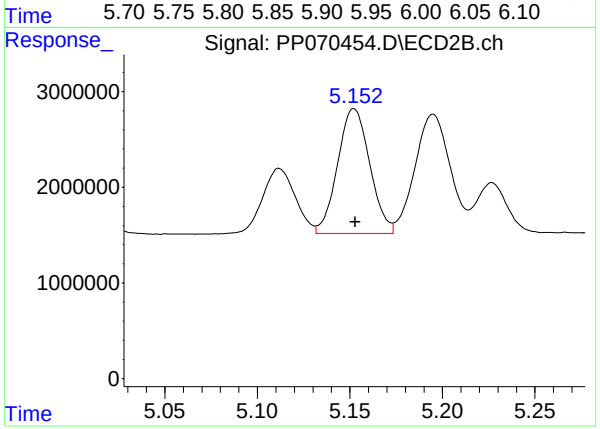
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 11930350
Conc: 508.20 ng/ml



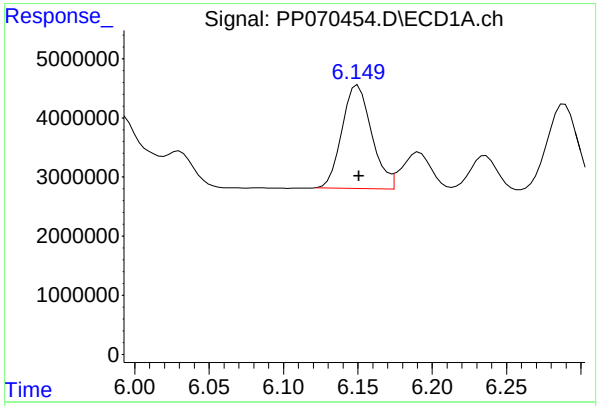
#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 22908060
Conc: 539.68 ng/ml



#22 AR-1248-2

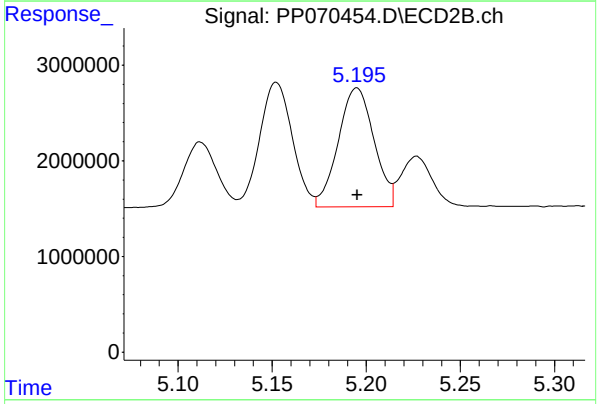
R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 15777449
Conc: 504.02 ng/ml



#23 AR-1248-3

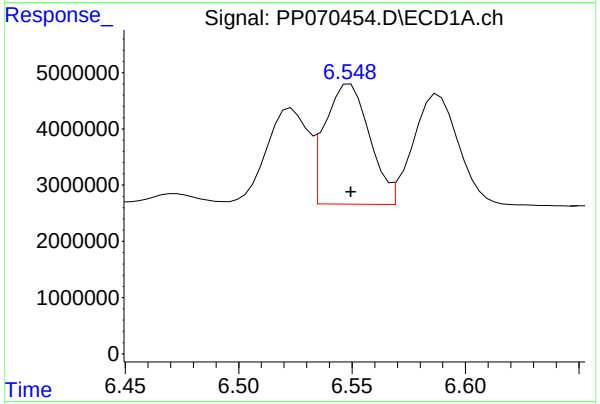
R.T.: 6.150 min
Delta R.T.: 0.000 min
Response: 24248973
Conc: 525.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



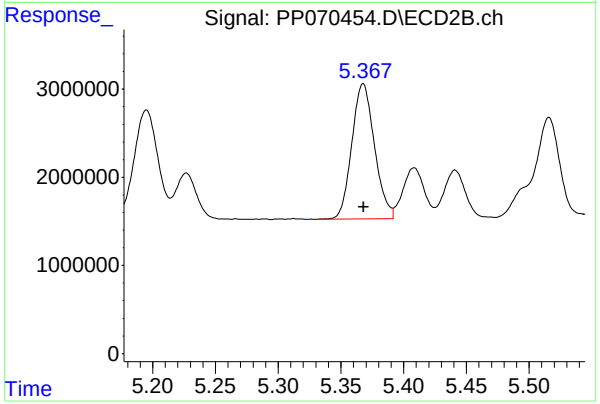
#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 16449582
Conc: 518.56 ng/ml



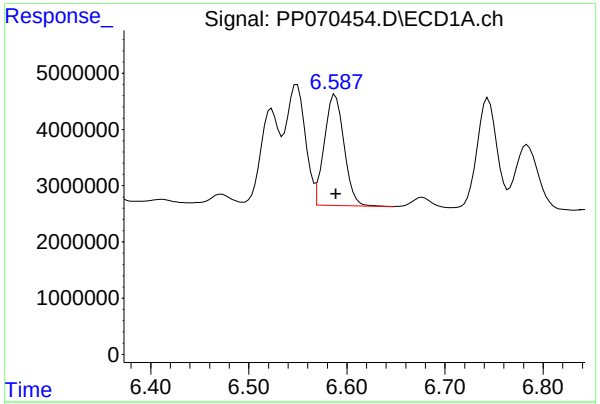
#24 AR-1248-4

R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 29245571
Conc: 504.31 ng/ml



#24 AR-1248-4

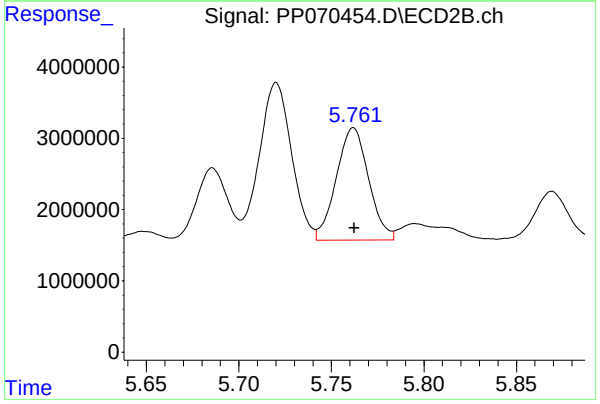
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 19332171
Conc: 496.04 ng/ml



#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 27662486
Conc: 515.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1248



#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19099791
Conc: 501.48 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:59
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:56:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:49:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.827	82035673	53945391	51.568	53.445
2)	SA Decachlor...	10.250	8.878	58425643	54856879	52.829	51.364
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.721	29456235	28994348	514.431	514.789
27)	L6 AR-1254-2	6.743	5.869	42978463	24997724	530.257	511.133
28)	L6 AR-1254-3	7.106	6.274	43763209	38958184	519.927	516.564
29)	L6 AR-1254-4	7.389	6.502	36692419	27576382	523.152	522.756
30)	L6 AR-1254-5	7.805	6.921	36360967	35678139	520.504	516.666

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

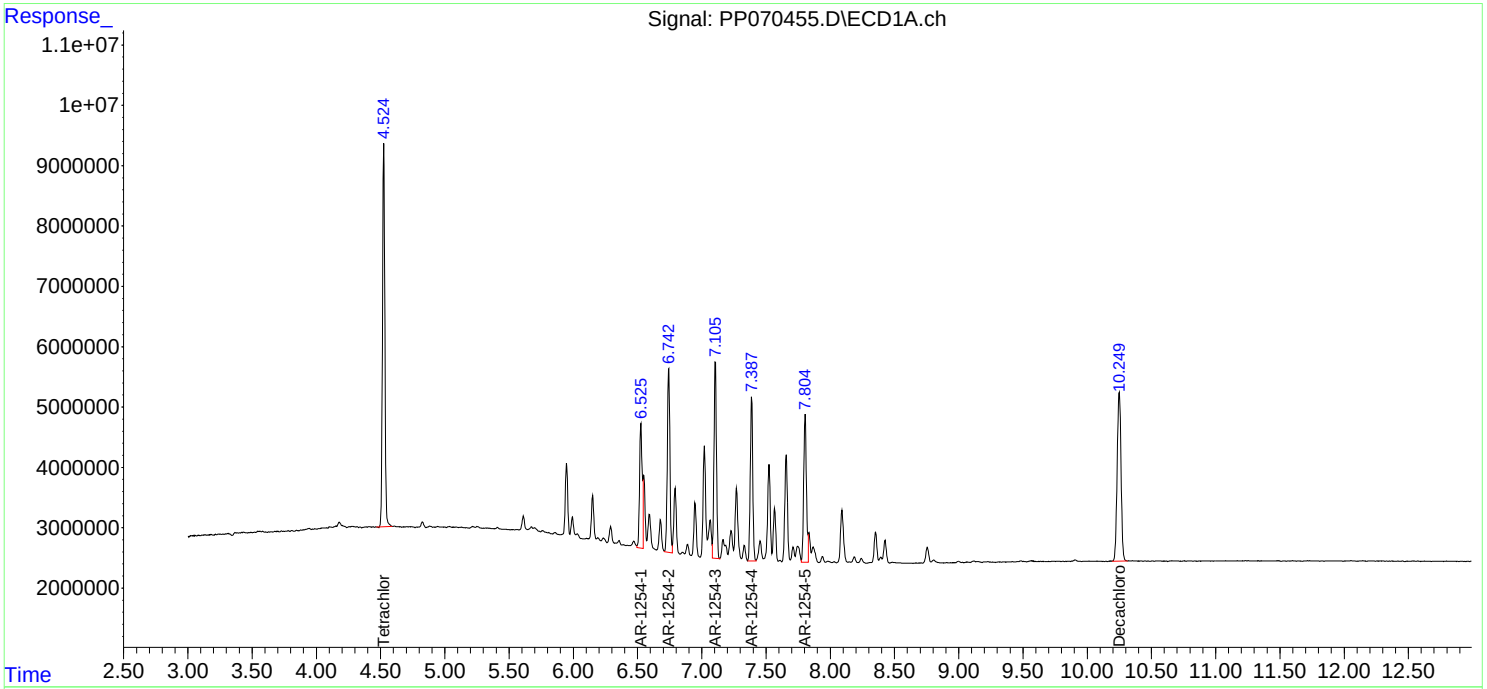
ICAL Form

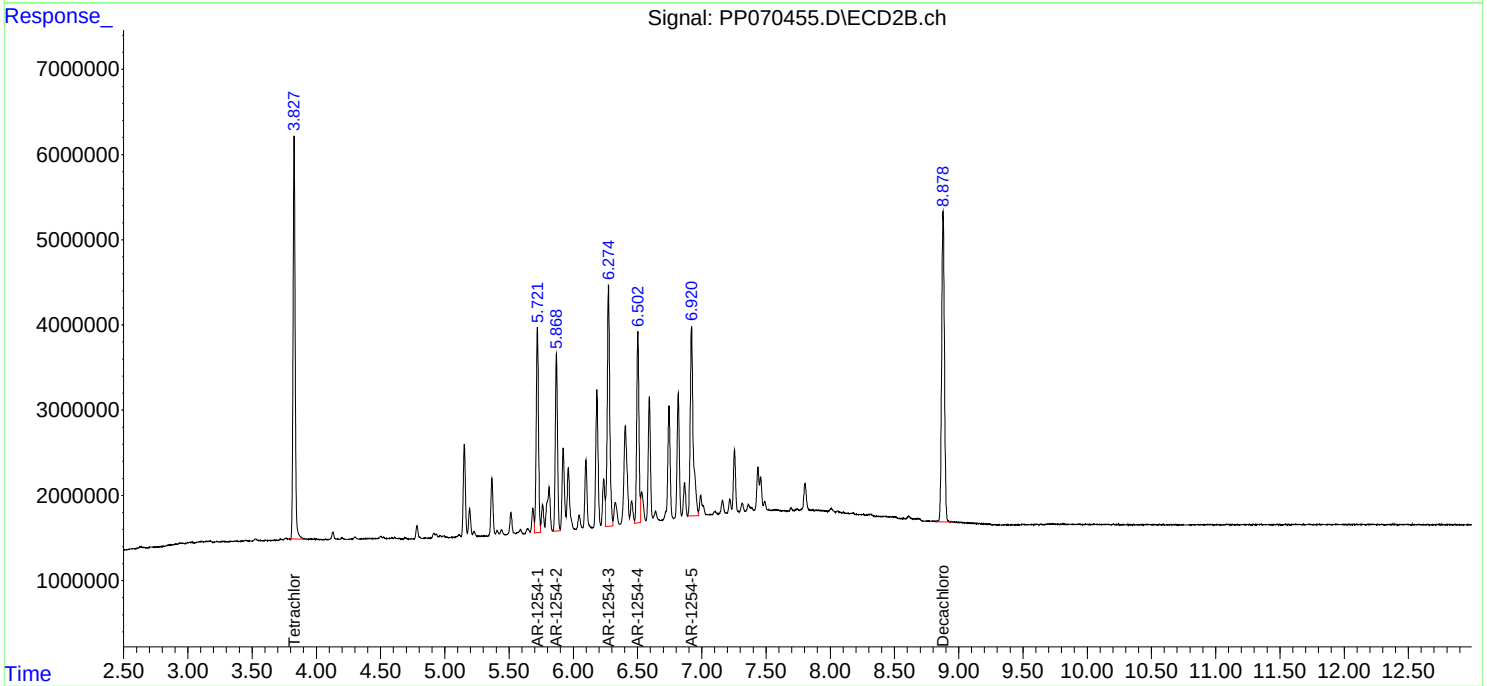
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:59
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

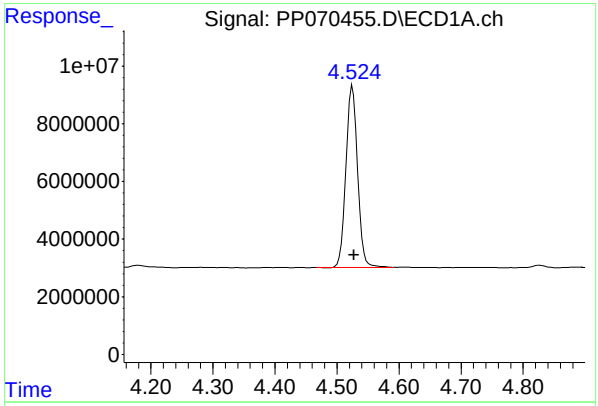
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:56:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:49:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



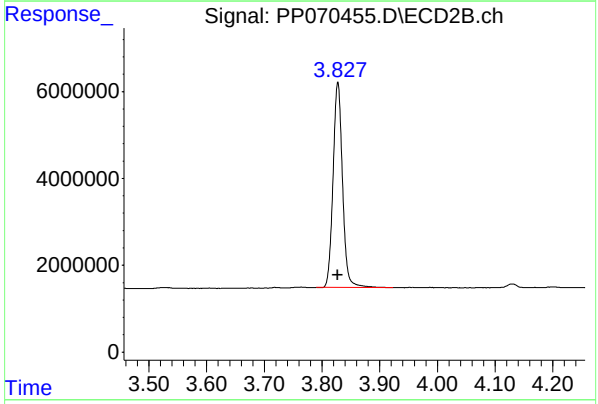




#1 Tetrachloro-m-xylene

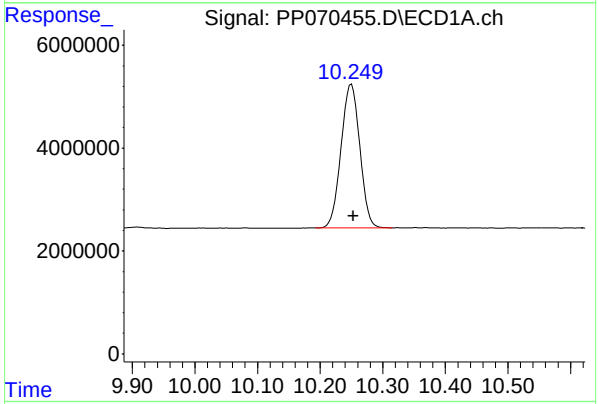
R.T.: 4.525 min
Delta R.T.: -0.002 mi
Response: 82035673
Conc: 51.57 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



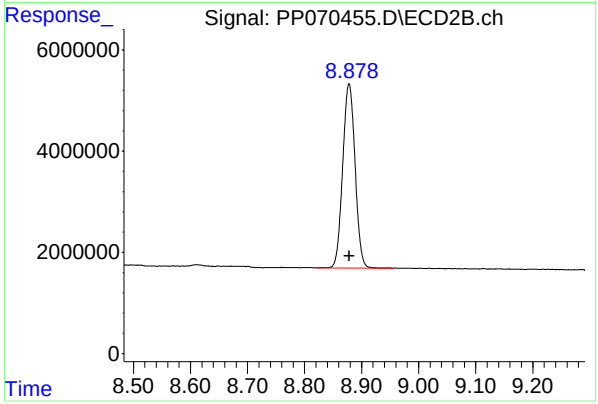
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 53945391
Conc: 53.45 ng/ml



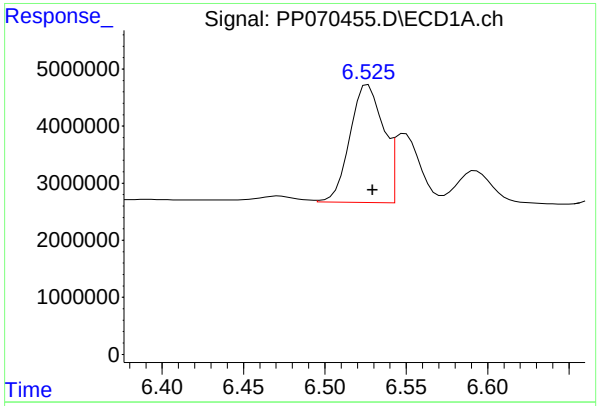
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.003 min
Response: 58425643
Conc: 52.83 ng/ml



#2 Decachlorobiphenyl

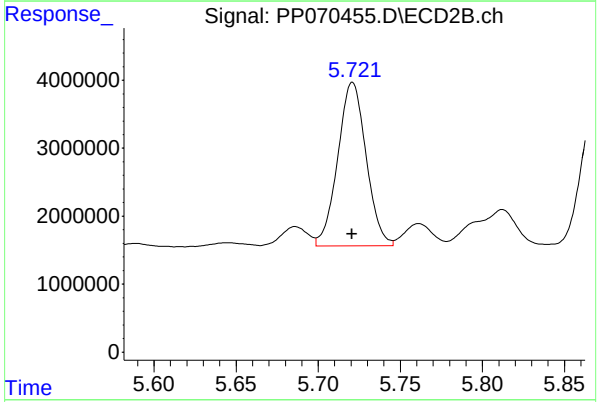
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 54856879
Conc: 51.36 ng/ml



#26 AR-1254-1

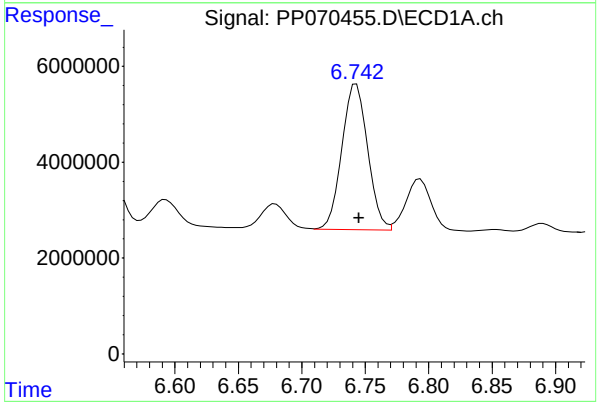
R.T.: 6.527 min
Delta R.T.: -0.003 min
Response: 29456235
Conc: 514.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



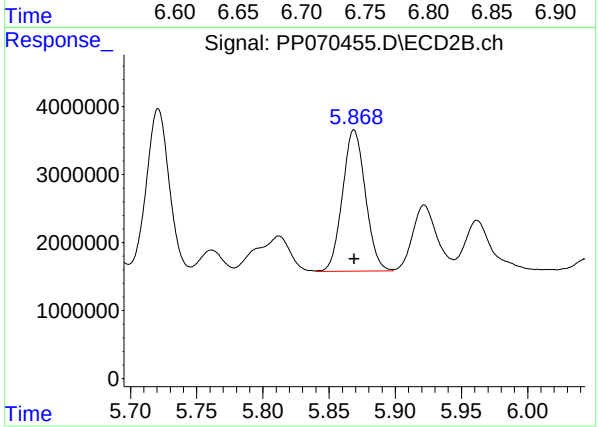
#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 28994348
Conc: 514.79 ng/ml



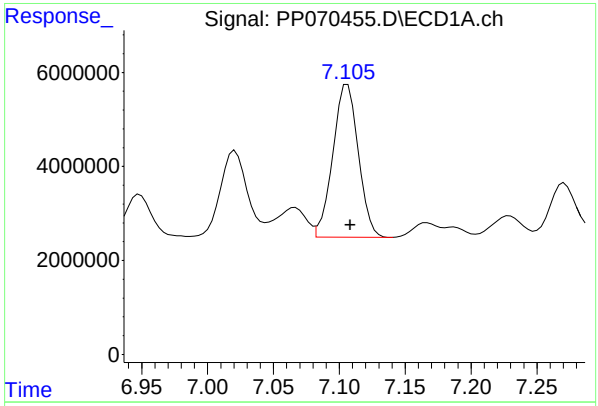
#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 42978463
Conc: 530.26 ng/ml



#27 AR-1254-2

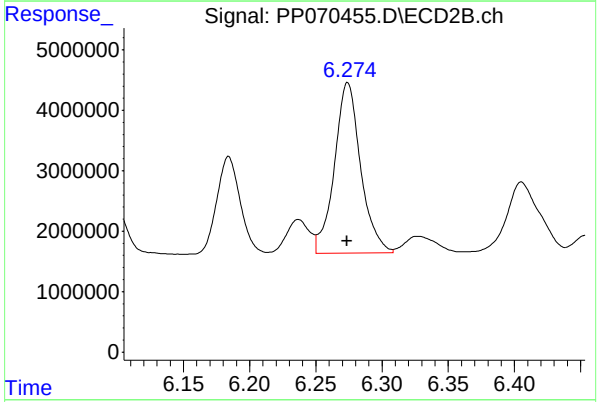
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 24997724
Conc: 511.13 ng/ml



#28 AR-1254-3

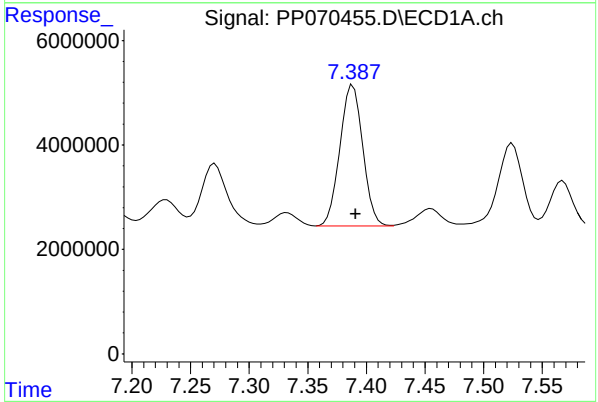
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 43763209
Conc: 519.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



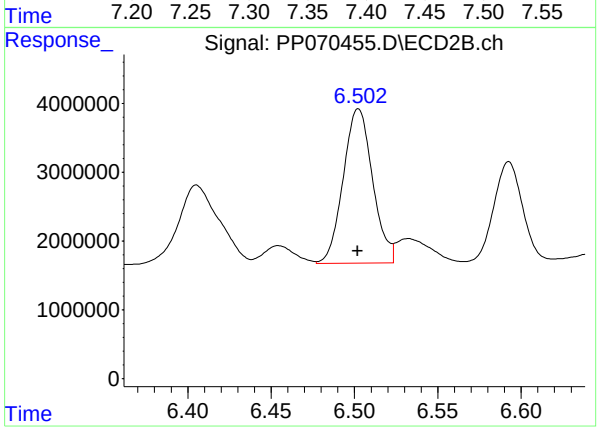
#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 38958184
Conc: 516.56 ng/ml



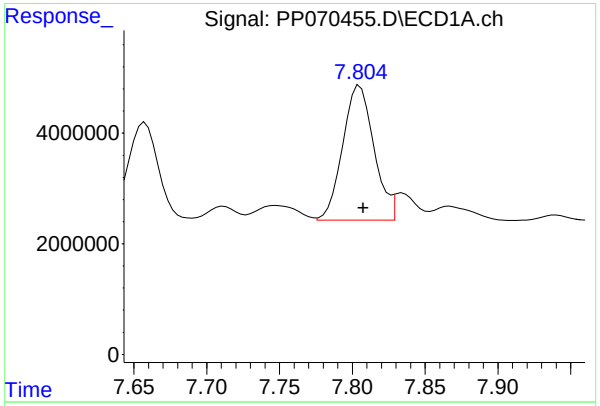
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.002 min
Response: 36692419
Conc: 523.15 ng/ml



#29 AR-1254-4

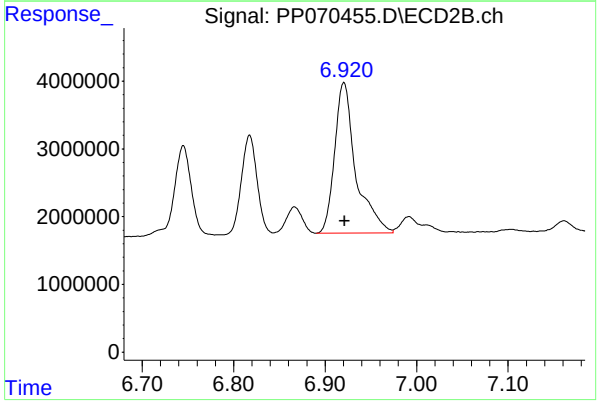
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 27576382
Conc: 522.76 ng/ml



#30 AR-1254-5

R.T.: 7.805 min
Delta R.T.: -0.003 min
Response: 36360967
Conc: 520.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1254



#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 35678139
Conc: 516.67 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 01:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:57:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.826	82956019	55353504	50.459	50.190
2)	SA Decachlor...	10.250	8.877	97699870	88842686	50.660	50.991
	Target Compounds						
41)	L9 AR-1268-1	8.742	7.742	101.7E6	89726484	504.572	501.133
42)	L9 AR-1268-2	8.836	7.807	87505543	76005918	505.203	507.239
43)	L9 AR-1268-3	9.069	8.013	75570485	65882951	504.356	508.496
44)	L9 AR-1268-4	9.489	8.308	33480982	28268151	505.930	497.593
45)	L9 AR-1268-5	9.907	8.612	213.6E6	191.8E6	504.629	506.856

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

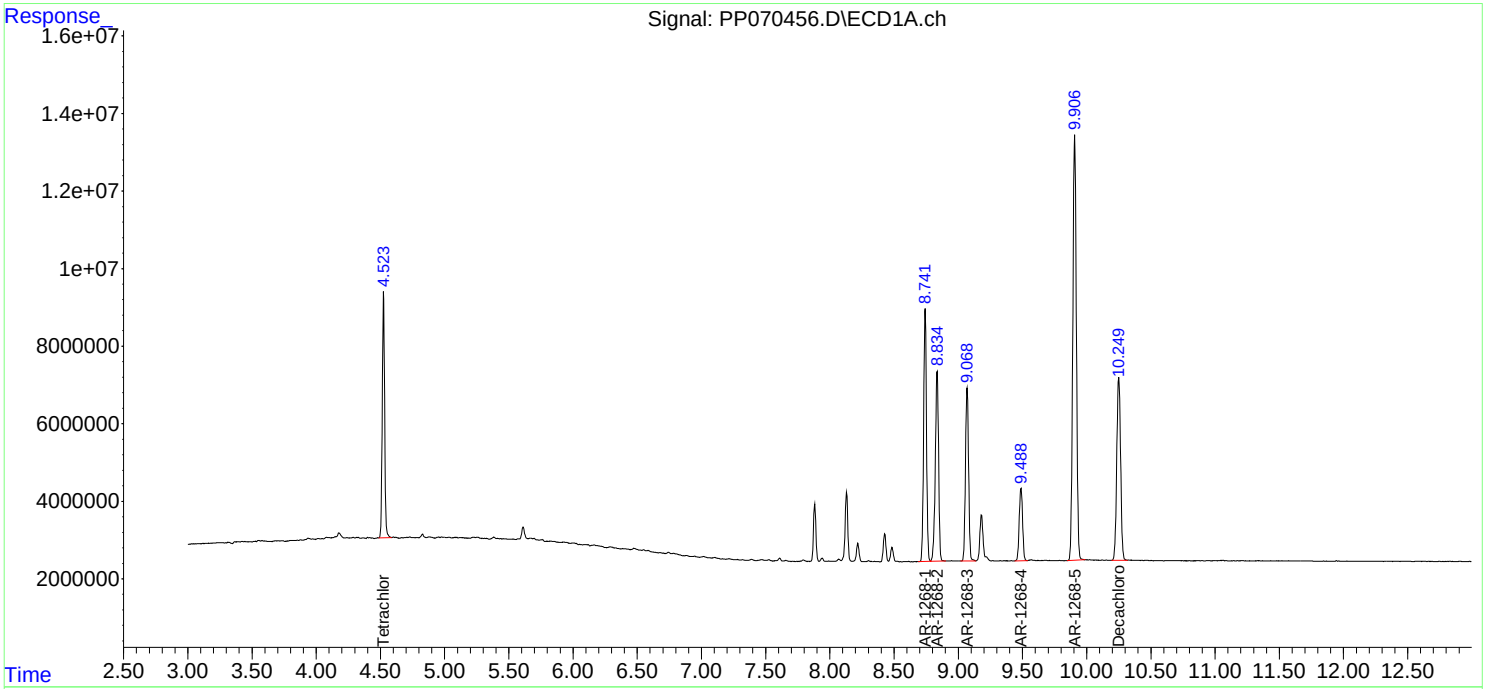
ICAL Form

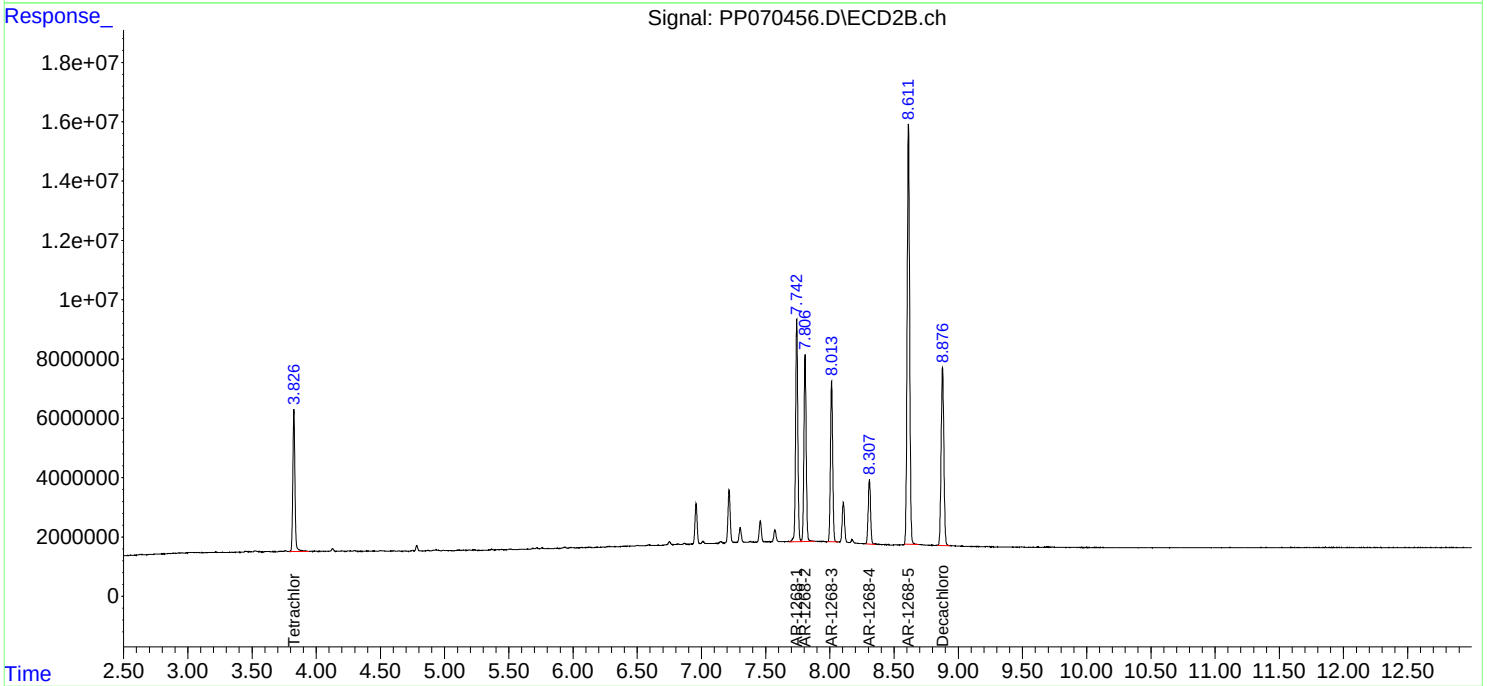
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 01:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

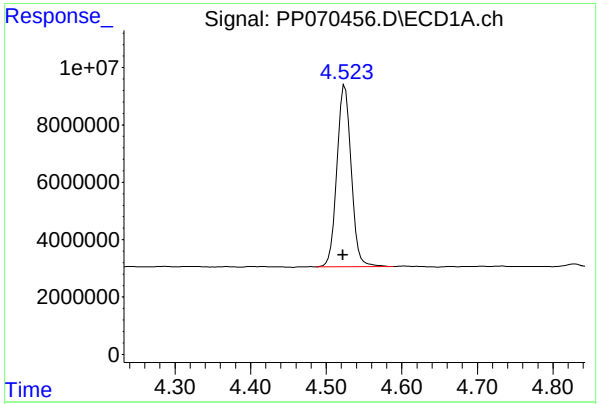
Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:57:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



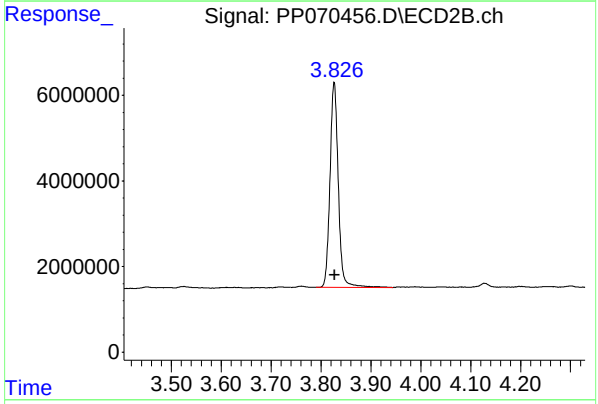




#1 Tetrachloro-m-xylene

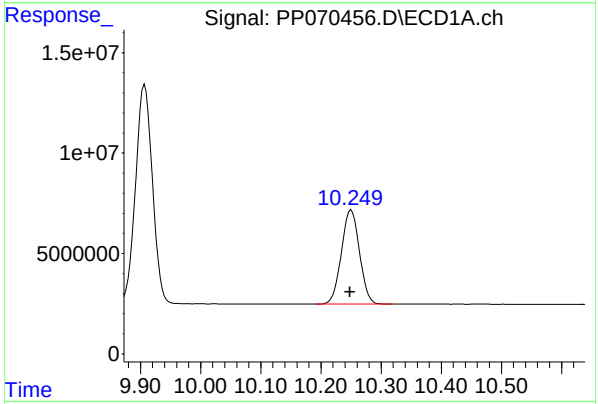
R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 82956019
Conc: 50.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



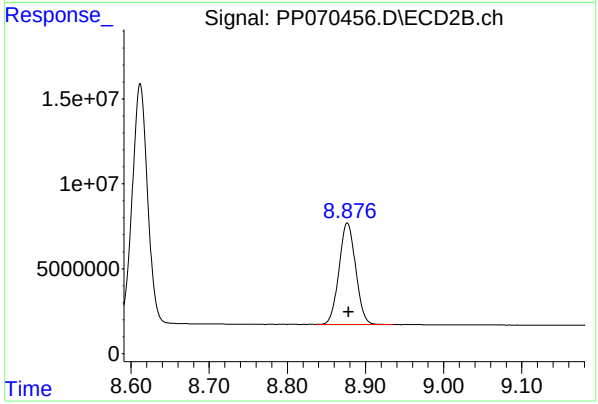
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: 0.000 min
Response: 55353504
Conc: 50.19 ng/ml



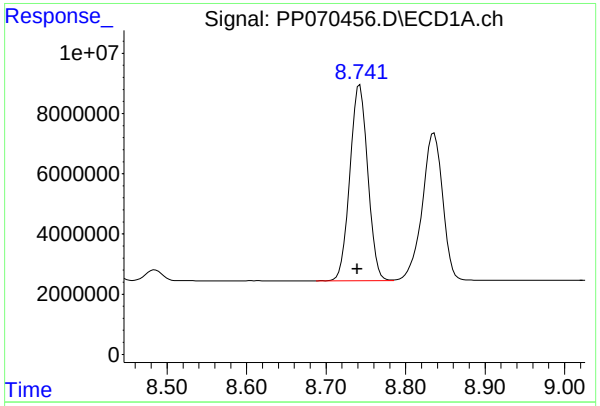
#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: 0.002 min
Response: 97699870
Conc: 50.66 ng/ml



#2 Decachlorobiphenyl

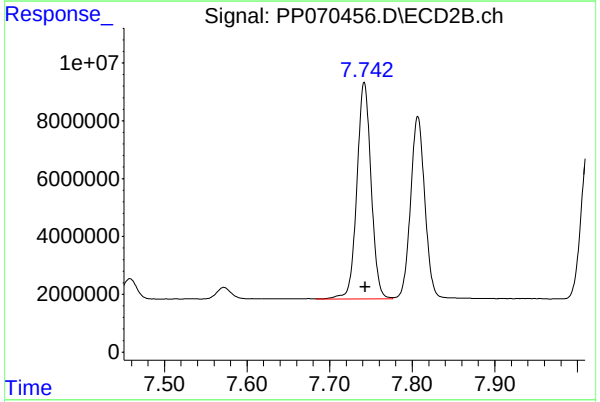
R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 88842686
Conc: 50.99 ng/ml



#41 AR-1268-1

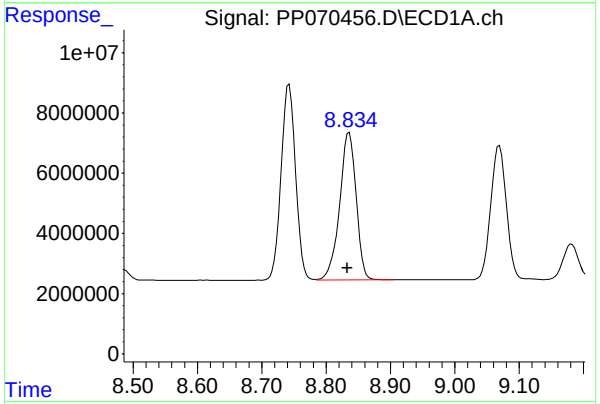
R.T.: 8.742 min
Delta R.T.: 0.003 min
Response: 101669370
Conc: 504.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



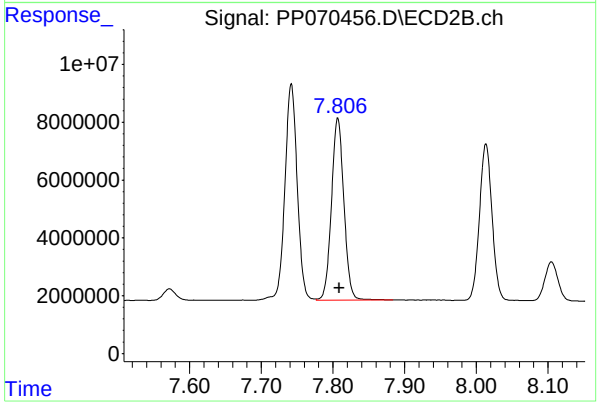
#41 AR-1268-1

R.T.: 7.742 min
Delta R.T.: -0.001 min
Response: 89726484
Conc: 501.13 ng/ml



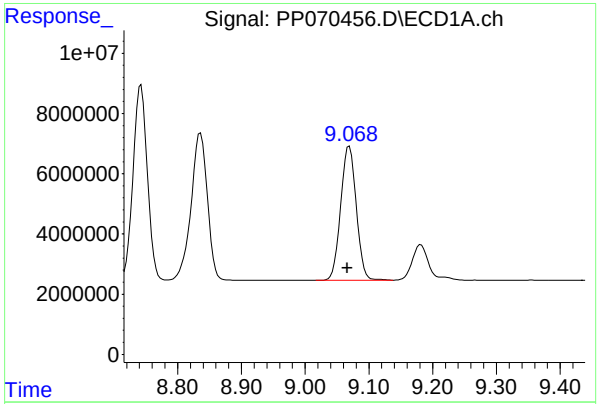
#42 AR-1268-2

R.T.: 8.836 min
Delta R.T.: 0.002 min
Response: 87505543
Conc: 505.20 ng/ml



#42 AR-1268-2

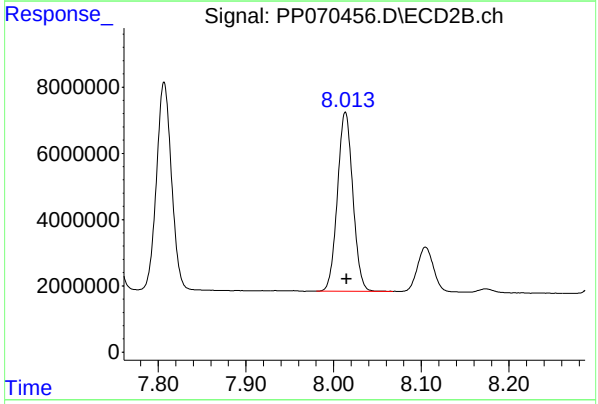
R.T.: 7.807 min
Delta R.T.: -0.002 min
Response: 76005918
Conc: 507.24 ng/ml



#43 AR-1268-3

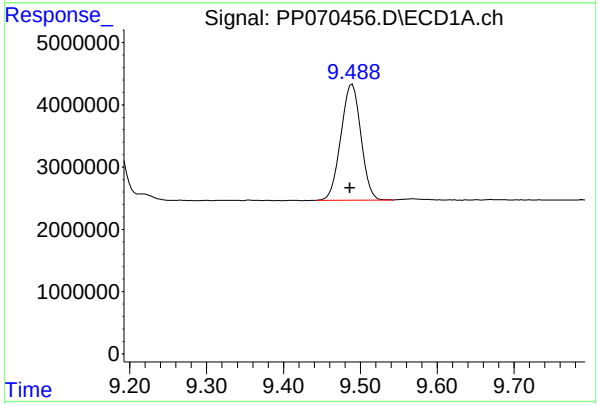
R.T.: 9.069 min
Delta R.T.: 0.003 min
Response: 75570485
Conc: 504.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



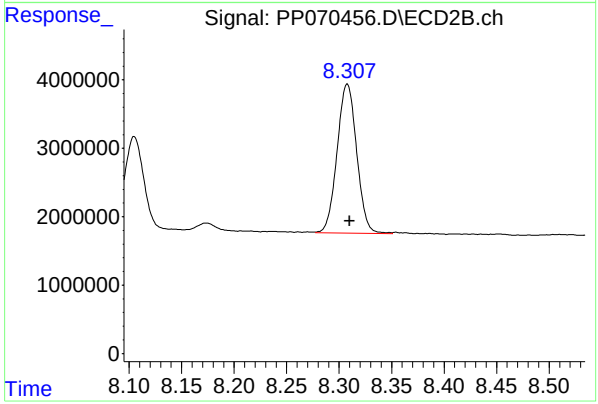
#43 AR-1268-3

R.T.: 8.013 min
Delta R.T.: -0.002 min
Response: 65882951
Conc: 508.50 ng/ml



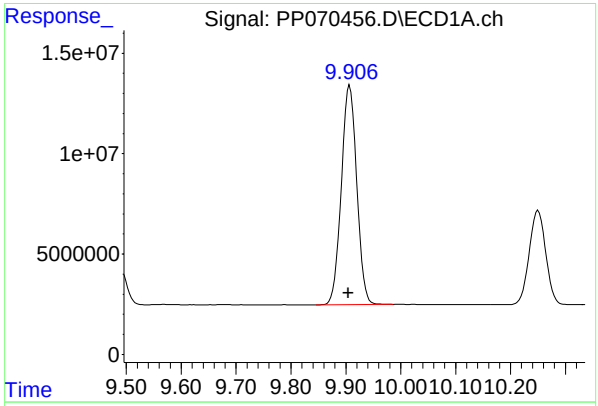
#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: 0.003 min
Response: 33480982
Conc: 505.93 ng/ml



#44 AR-1268-4

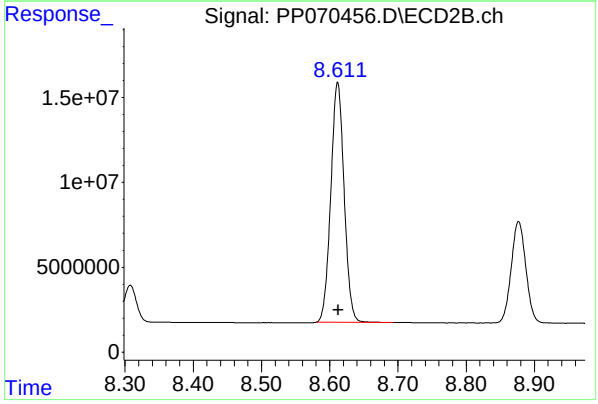
R.T.: 8.308 min
Delta R.T.: -0.002 min
Response: 28268151
Conc: 497.59 ng/ml



#45 AR-1268-5

R.T.: 9.907 min
Delta R.T.: 0.003 min
Response: 213574982
Conc: 504.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP031125AR1268



#45 AR-1268-5

R.T.: 8.612 min
Delta R.T.: -0.001 min
Response: 191750380
Conc: 506.86 ng/ml

Raw Data: **PO109890.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 14:49 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.01
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.74	8.76	8.66	8.86	0.02

Raw Data: **PO109890.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 14:49 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.02

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109890.D **Time Analyzed:** 14:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.786	4.691	4.891	508.050	500.000	1.6
Aroclor-1016-2	4.805	4.711	4.911	517.850	500.000	3.6
Aroclor-1016-3	4.862	4.767	4.967	514.830	500.000	3.0
Aroclor-1016-4	4.982	4.888	5.088	514.530	500.000	2.9
Aroclor-1016-5	5.240	5.145	5.345	562.950	500.000	12.6
Aroclor-1260-1	6.280	6.188	6.388	481.900	500.000	-3.6
Aroclor-1260-2	6.469	6.377	6.577	471.940	500.000	-5.6
Aroclor-1260-3	6.837	6.746	6.946	469.390	500.000	-6.1
Aroclor-1260-4	7.097	7.005	7.205	468.700	500.000	-6.3
Aroclor-1260-5	7.339	7.247	7.447	459.080	500.000	-8.2
Decachlorobiphenyl	8.744	8.657	8.857	39.710	50.000	-20.6
Tetrachloro-m-xylene	3.694	3.598	3.798	49.190	50.000	-1.6

Raw Data: **PO109890.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109890.D **Time Analyzed:** 14:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.678	4.878	544.710	500.000	8.9
Aroclor-1016-2	4.792	4.697	4.897	550.290	500.000	10.1
Aroclor-1016-3	4.967	4.872	5.072	547.520	500.000	9.5
Aroclor-1016-4	5.009	4.914	5.114	451.940	500.000	-9.6
Aroclor-1016-5	5.222	5.127	5.327	597.560	500.000	19.5
Aroclor-1260-1	6.254	6.161	6.361	512.390	500.000	2.5
Aroclor-1260-2	6.441	6.348	6.548	507.480	500.000	1.5
Aroclor-1260-3	6.595	6.502	6.702	488.590	500.000	-2.3
Aroclor-1260-4	7.066	6.974	7.174	475.030	500.000	-5.0
Aroclor-1260-5	7.306	7.214	7.414	480.380	500.000	-3.9
Decachlorobiphenyl	8.695	8.607	8.807	39.610	50.000	-20.8
Tetrachloro-m-xylene	3.691	3.594	3.794	51.910	50.000	3.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 14:49
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:05:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.694	3.691	465.6E6	271.7E6	49.192	51.911
2)	SA Decachlor...	8.744	8.695	341.6E6	126.1E6	39.712	39.606
	Target Compounds						
3)	L1 AR-1016-1	4.786	4.772	156.6E6	85067402	508.048	544.708
4)	L1 AR-1016-2	4.805	4.792	218.0E6	119.1E6	517.853	550.293
5)	L1 AR-1016-3	4.862	4.967	152.3E6	65402382	514.834	547.524
6)	L1 AR-1016-4	4.982	5.009	119.3E6	47034144	514.527	451.945
7)	L1 AR-1016-5	5.240	5.222	145.4E6	81419065	562.951	597.556
31)	L7 AR-1260-1	6.280	6.254	224.6E6	121.4E6	481.904	512.389
32)	L7 AR-1260-2	6.469	6.441	266.7E6	139.6E6	471.940	507.484
33)	L7 AR-1260-3	6.837	6.595	223.3E6	124.6E6	469.394	488.588
34)	L7 AR-1260-4	7.097	7.066	202.3E6	97947164	468.696	475.028
35)	L7 AR-1260-5	7.339	7.306	456.3E6	215.1E6	459.076	480.379

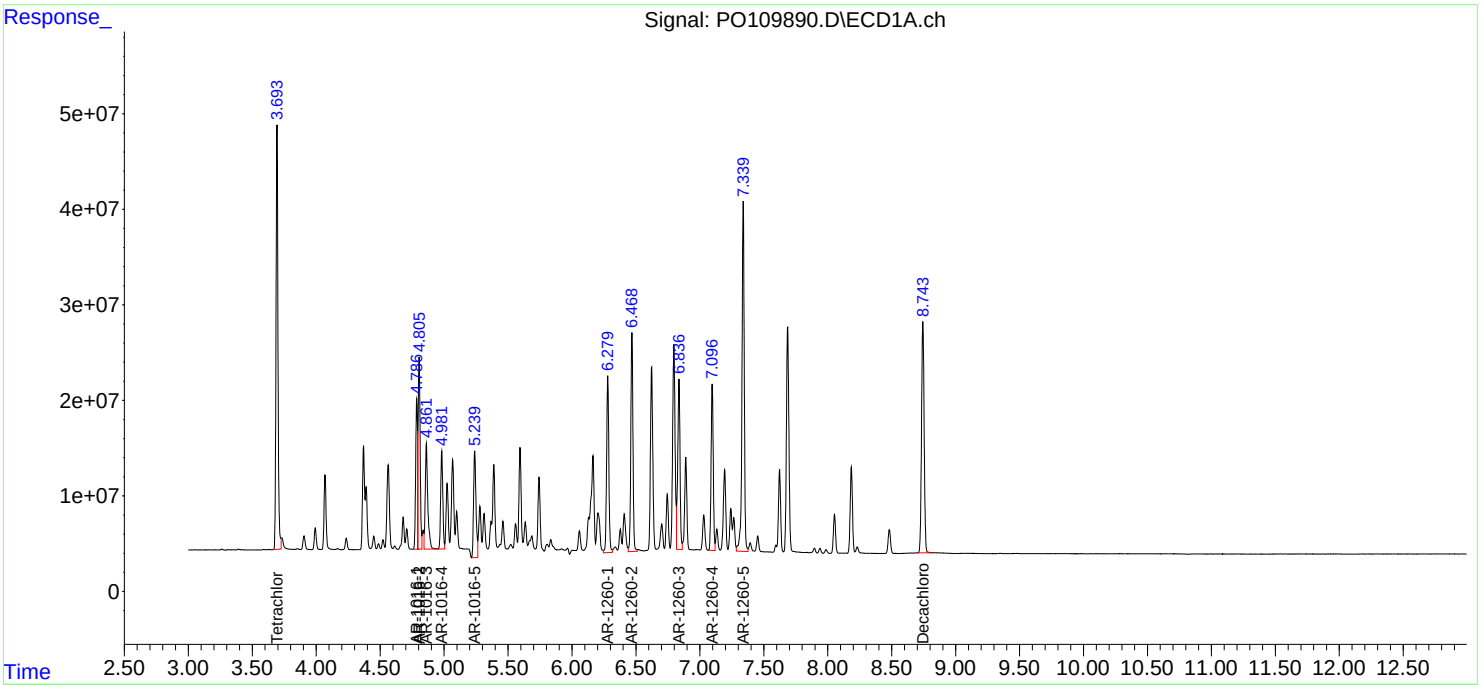
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

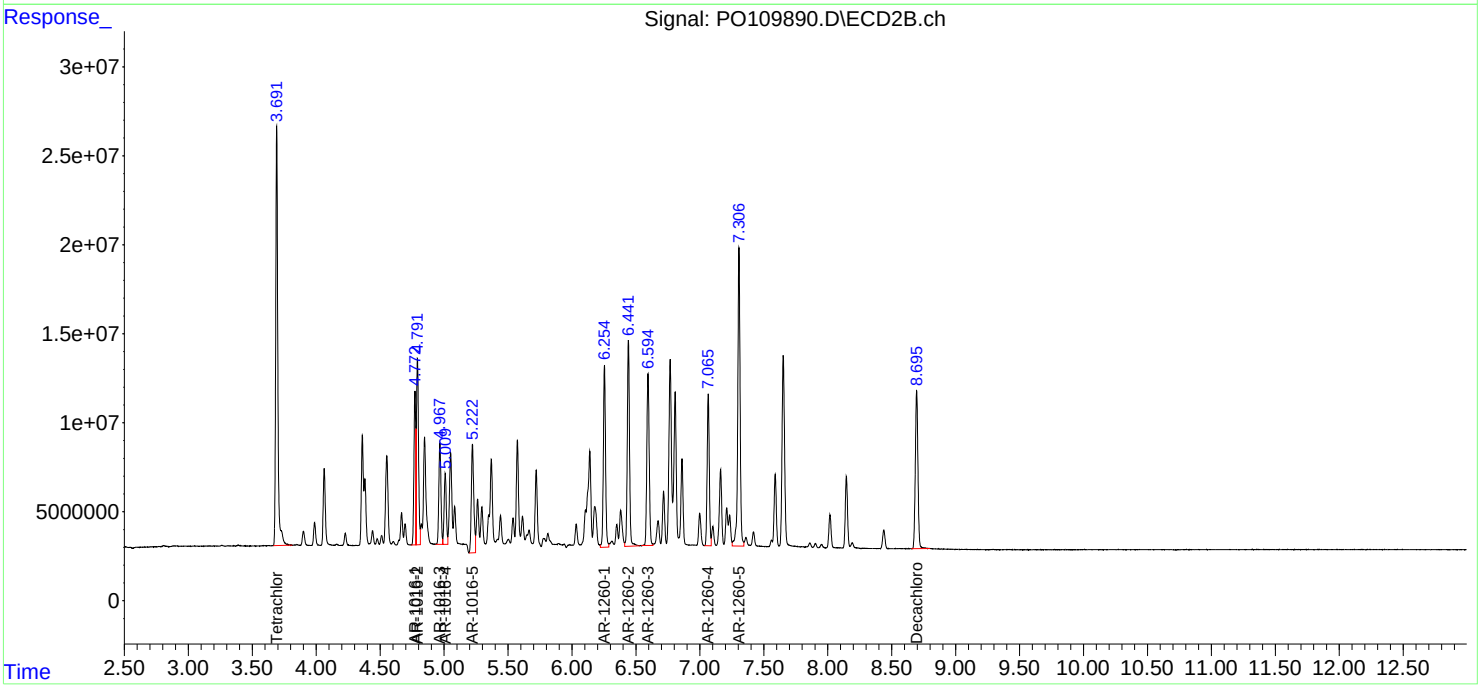
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 14:49
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

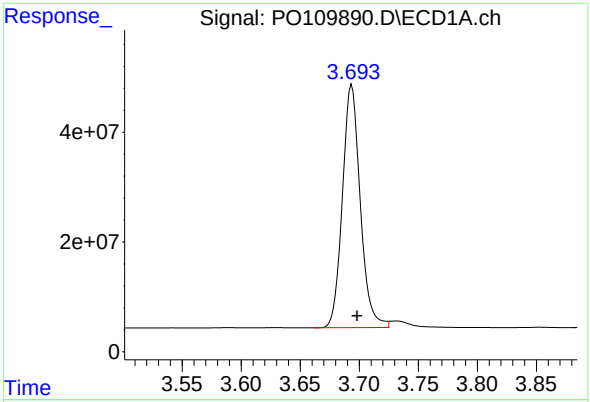
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:05:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



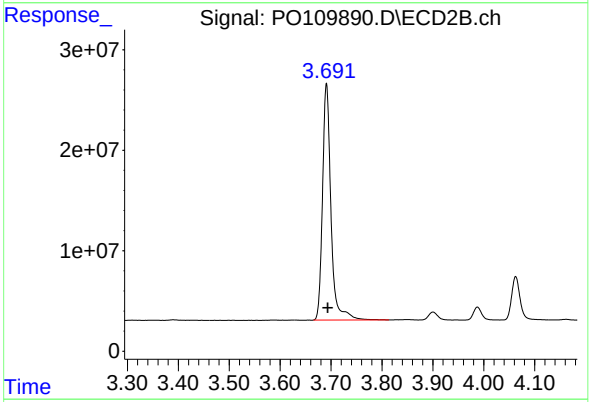




#1 Tetrachloro-m-xylene

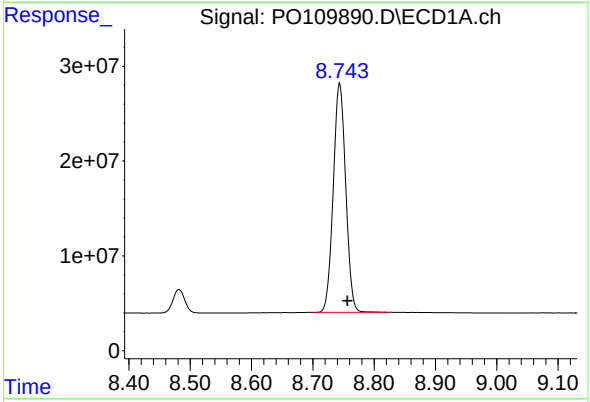
R.T.: 3.694 min
Delta R.T.: -0.004 min
Response: 465608542
Conc: 49.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



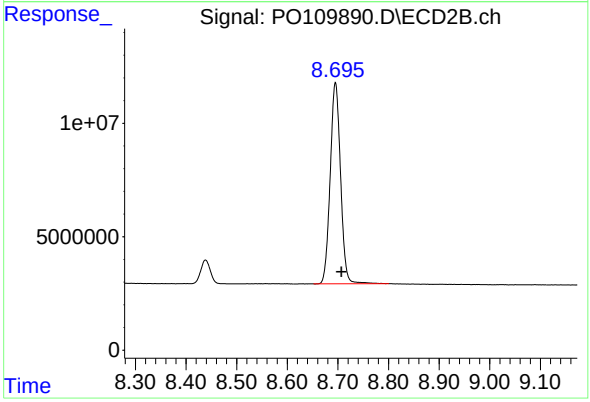
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 271715324
Conc: 51.91 ng/ml



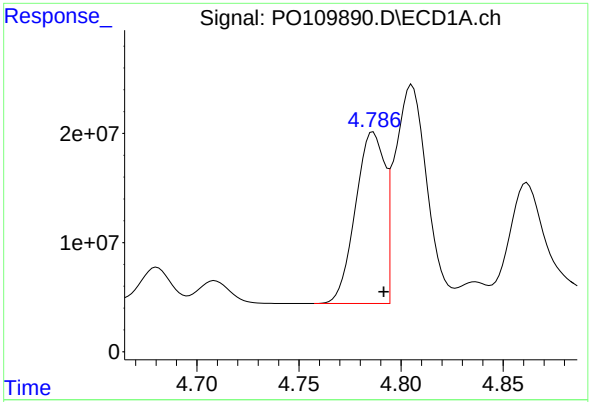
#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.013 min
Response: 341598713
Conc: 39.71 ng/ml



#2 Decachlorobiphenyl

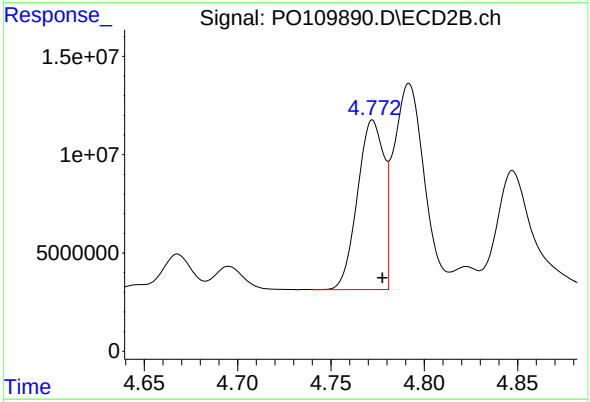
R.T.: 8.695 min
Delta R.T.: -0.012 min
Response: 126116498
Conc: 39.61 ng/ml



#3 AR-1016-1

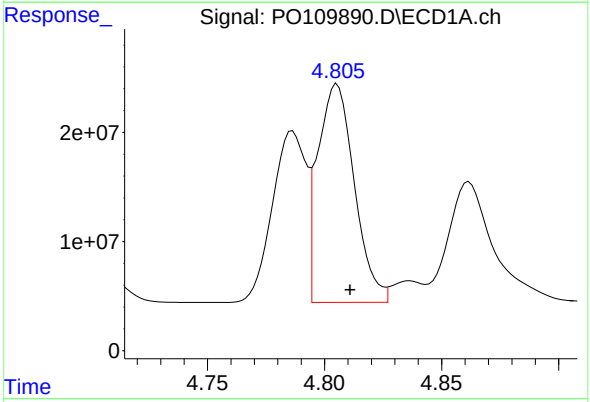
R.T.: 4.786 min
Delta R.T.: -0.005 min
Response: 156626294
Conc: 508.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



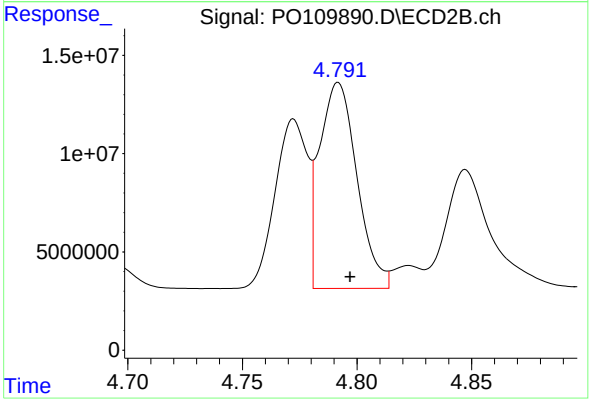
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: -0.005 min
Response: 85067402
Conc: 544.71 ng/ml



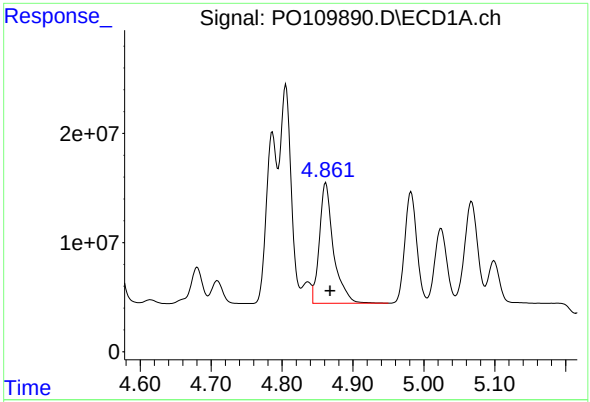
#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: -0.006 min
Response: 218029751
Conc: 517.85 ng/ml



#4 AR-1016-2

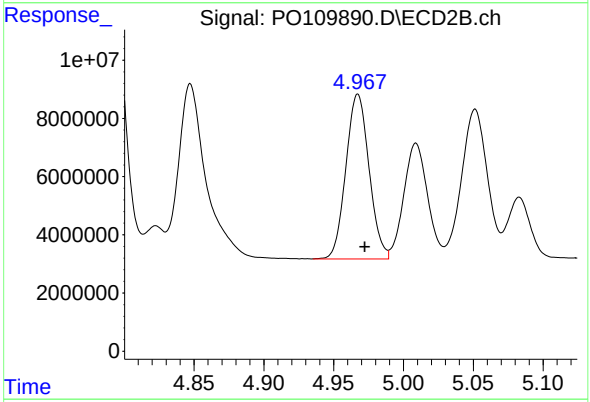
R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 119102035
Conc: 550.29 ng/ml



#5 AR-1016-3

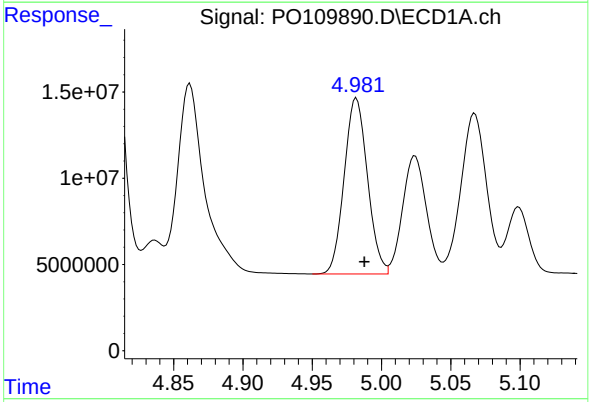
R.T.: 4.862 min
Delta R.T.: -0.006 min
Response: 152296501
Conc: 514.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



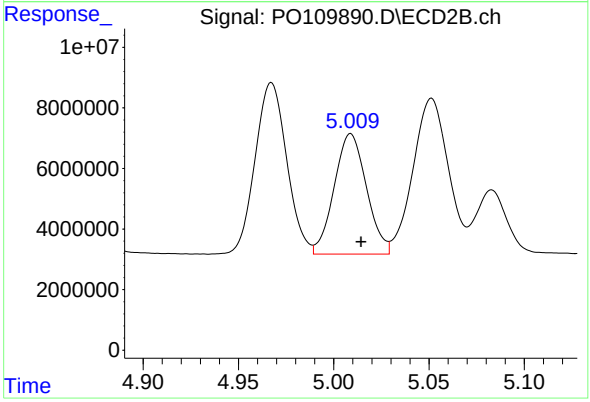
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: -0.005 min
Response: 65402382
Conc: 547.52 ng/ml



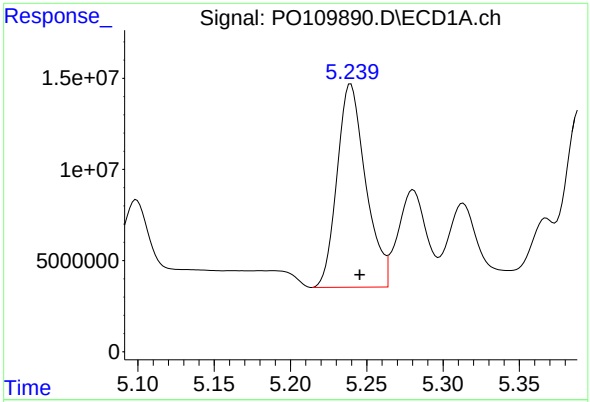
#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: -0.006 min
Response: 119257183
Conc: 514.53 ng/ml



#6 AR-1016-4

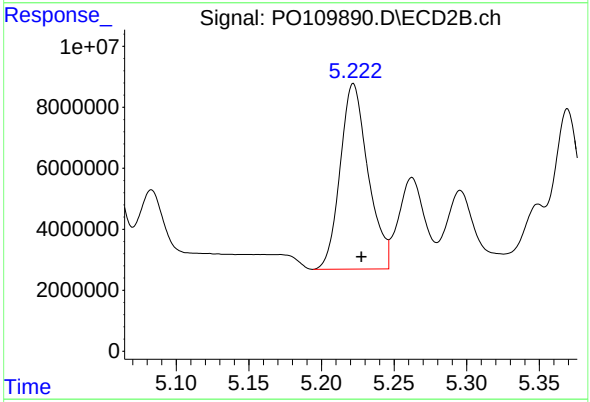
R.T.: 5.009 min
Delta R.T.: -0.005 min
Response: 47034144
Conc: 451.94 ng/ml



#7 AR-1016-5

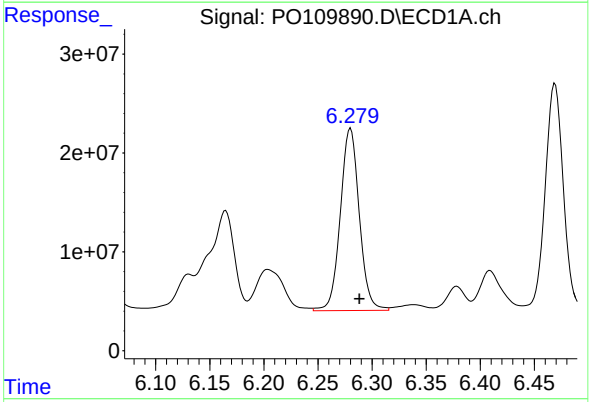
R.T.: 5.240 min
Delta R.T.: -0.006 min
Response: 145370713
Conc: 562.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



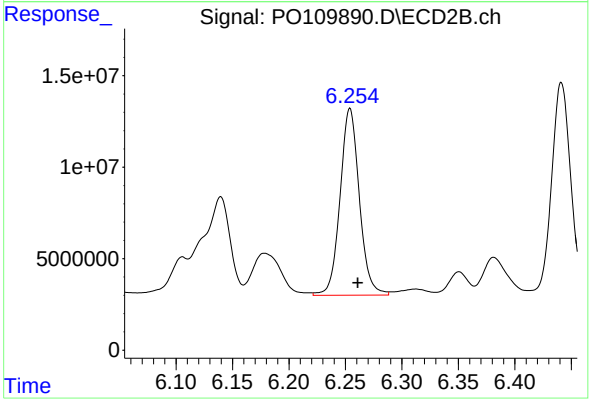
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 81419065
Conc: 597.56 ng/ml



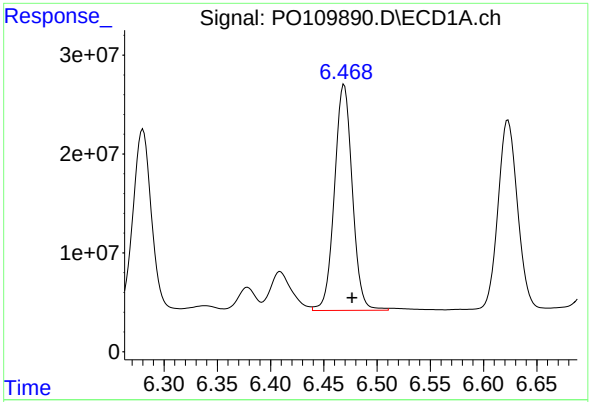
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: -0.008 min
Response: 224630754
Conc: 481.90 ng/ml



#31 AR-1260-1

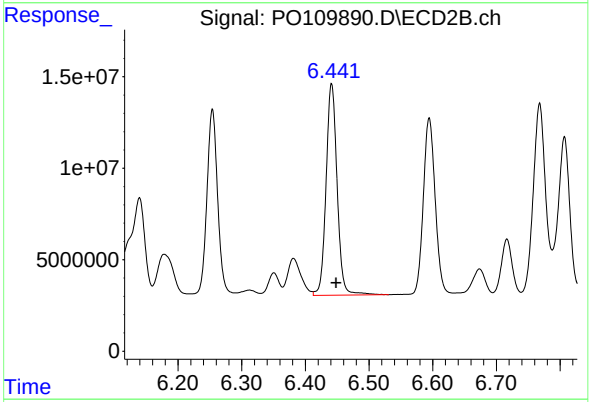
R.T.: 6.254 min
Delta R.T.: -0.007 min
Response: 121394996
Conc: 512.39 ng/ml



#32 AR-1260-2

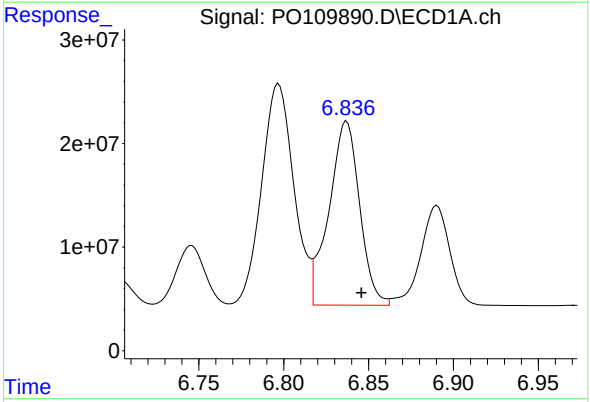
R.T.: 6.469 min
Delta R.T.: -0.008 min
Response: 266701797
Conc: 471.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



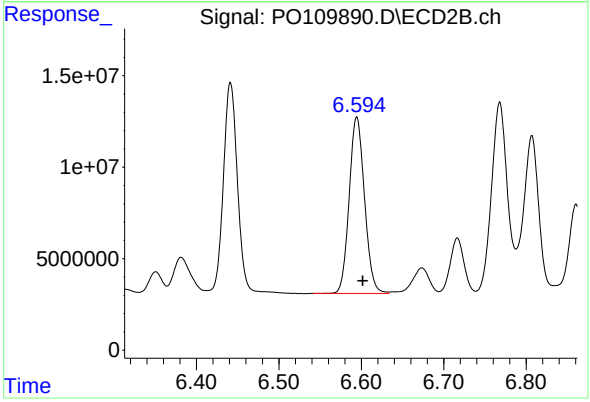
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.007 min
Response: 139645017
Conc: 507.48 ng/ml



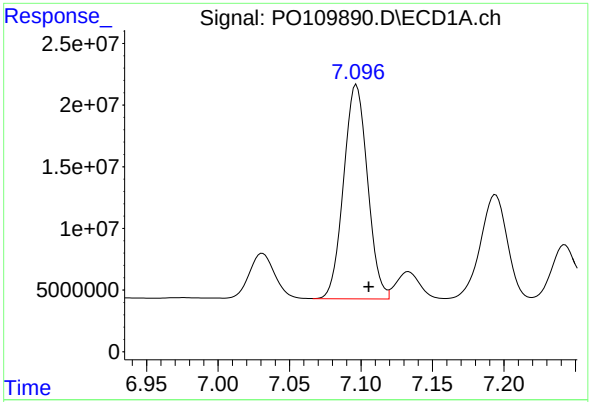
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: -0.009 min
Response: 223272683
Conc: 469.39 ng/ml



#33 AR-1260-3

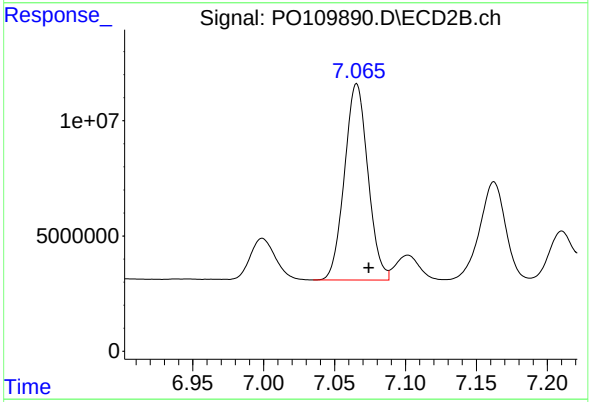
R.T.: 6.595 min
Delta R.T.: -0.007 min
Response: 124624225
Conc: 488.59 ng/ml



#34 AR-1260-4

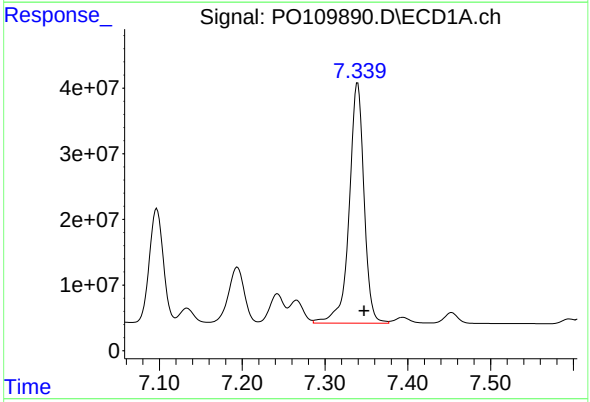
R.T.: 7.097 min
Delta R.T.: -0.009 min
Response: 202289857
Conc: 468.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



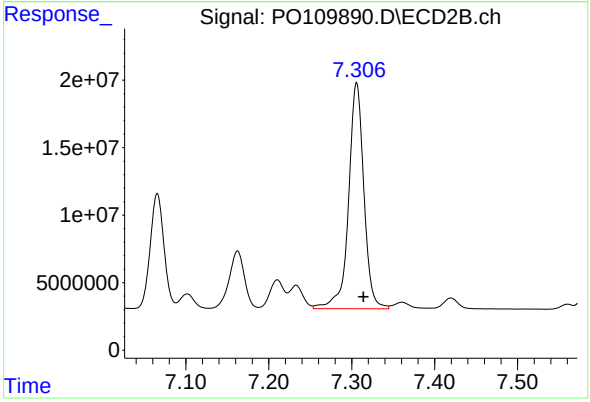
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: -0.008 min
Response: 97947164
Conc: 475.03 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: -0.008 min
Response: 456267357
Conc: 459.08 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 215105375
Conc: 480.38 ng/ml

Raw Data: **PO109904.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 21:22 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.01
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.74	8.76	8.66	8.86	0.02

Raw Data: **PO109904.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 21:22 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109904.D **Time Analyzed:** 21:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.786	4.691	4.891	535.740	500.000	7.1
Aroclor-1016-2	4.805	4.711	4.911	547.300	500.000	9.5
Aroclor-1016-3	4.861	4.767	4.967	537.930	500.000	7.6
Aroclor-1016-4	4.982	4.888	5.088	536.100	500.000	7.2
Aroclor-1016-5	5.239	5.145	5.345	524.580	500.000	4.9
Aroclor-1260-1	6.279	6.188	6.388	509.750	500.000	2.0
Aroclor-1260-2	6.468	6.377	6.577	495.260	500.000	-0.9
Aroclor-1260-3	6.836	6.746	6.946	469.260	500.000	-6.1
Aroclor-1260-4	7.096	7.005	7.205	457.140	500.000	-8.6
Aroclor-1260-5	7.338	7.247	7.447	454.720	500.000	-9.1
Decachlorobiphenyl	8.743	8.657	8.857	39.340	50.000	-21.3
Tetrachloro-m-xylene	3.694	3.598	3.798	50.970	50.000	1.9

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109904.D **Time Analyzed:** 21:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.678	4.878	559.670	500.000	11.9
Aroclor-1016-2	4.792	4.697	4.897	576.210	500.000	15.2
Aroclor-1016-3	4.967	4.872	5.072	566.880	500.000	13.4
Aroclor-1016-4	5.009	4.914	5.114	533.730	500.000	6.7
Aroclor-1016-5	5.222	5.127	5.327	553.280	500.000	10.7
Aroclor-1260-1	6.254	6.161	6.361	510.600	500.000	2.1
Aroclor-1260-2	6.442	6.348	6.548	513.060	500.000	2.6
Aroclor-1260-3	6.594	6.502	6.702	501.050	500.000	0.2
Aroclor-1260-4	7.065	6.974	7.174	485.160	500.000	-3.0
Aroclor-1260-5	7.306	7.214	7.414	495.830	500.000	-0.8
Decachlorobiphenyl	8.696	8.607	8.807	41.110	50.000	-17.8
Tetrachloro-m-xylene	3.690	3.594	3.794	51.780	50.000	3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 21:22
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:06:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.694	3.690	482.4E6	271.0E6	50.970	51.778m
2)	SA Decachlor...	8.743	8.696	338.4E6	130.9E6	39.341	41.113
	Target Compounds						
3)	L1 AR-1016-1	4.786	4.772	165.2E6	87404313	535.736	559.672
4)	L1 AR-1016-2	4.805	4.792	230.4E6	124.7E6	547.302	576.206
5)	L1 AR-1016-3	4.861	4.967	159.1E6	67714217	537.928	566.878
6)	L1 AR-1016-4	4.982	5.009	124.3E6	55545224	536.097	533.727
7)	L1 AR-1016-5	5.239	5.222	135.5E6	75385710	524.584	553.275
31)	L7 AR-1260-1	6.279	6.254	237.6E6	121.0E6	509.746	510.598
32)	L7 AR-1260-2	6.468	6.442	279.9E6	141.2E6	495.256	513.065
33)	L7 AR-1260-3	6.836	6.594	223.2E6	127.8E6	469.256	501.055
34)	L7 AR-1260-4	7.096	7.065	197.3E6	100.0E6	457.139	485.160
35)	L7 AR-1260-5	7.338	7.306	451.9E6	222.0E6	454.722	495.828

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PO109904.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 21:22
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

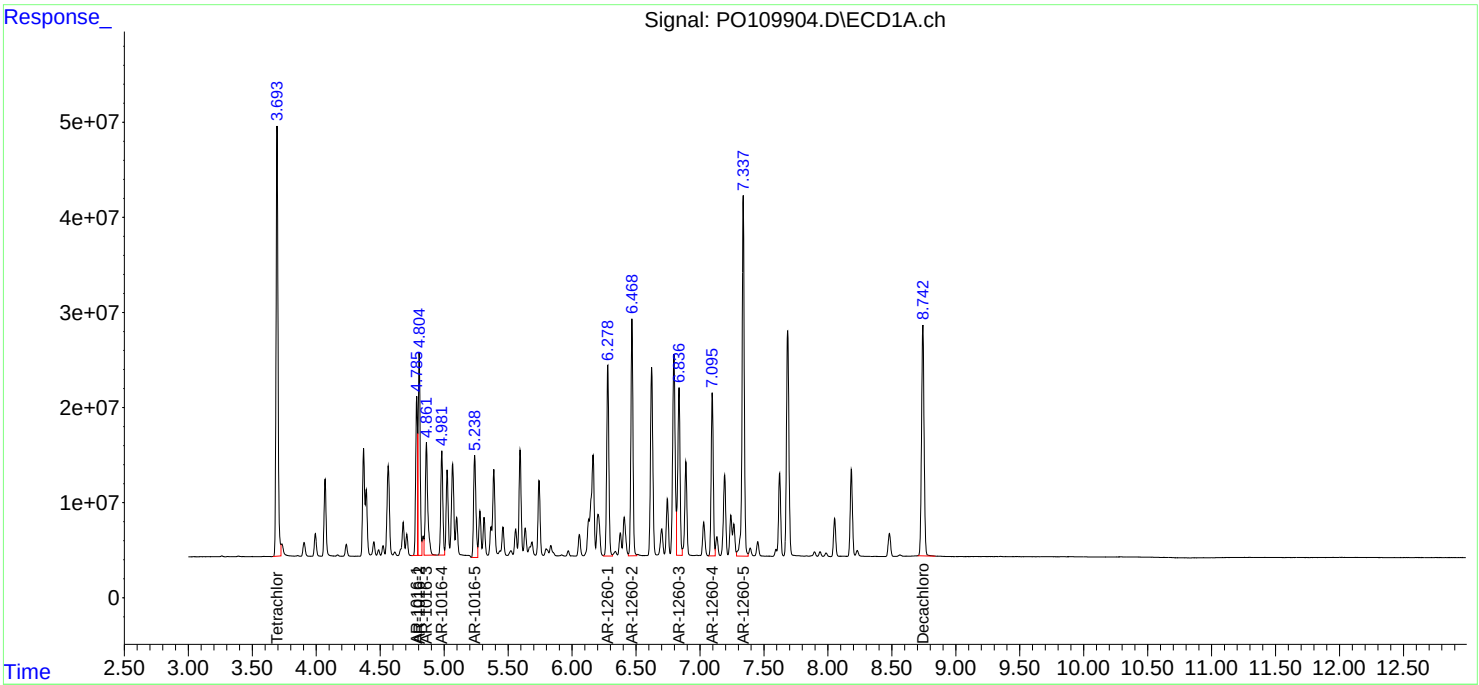
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

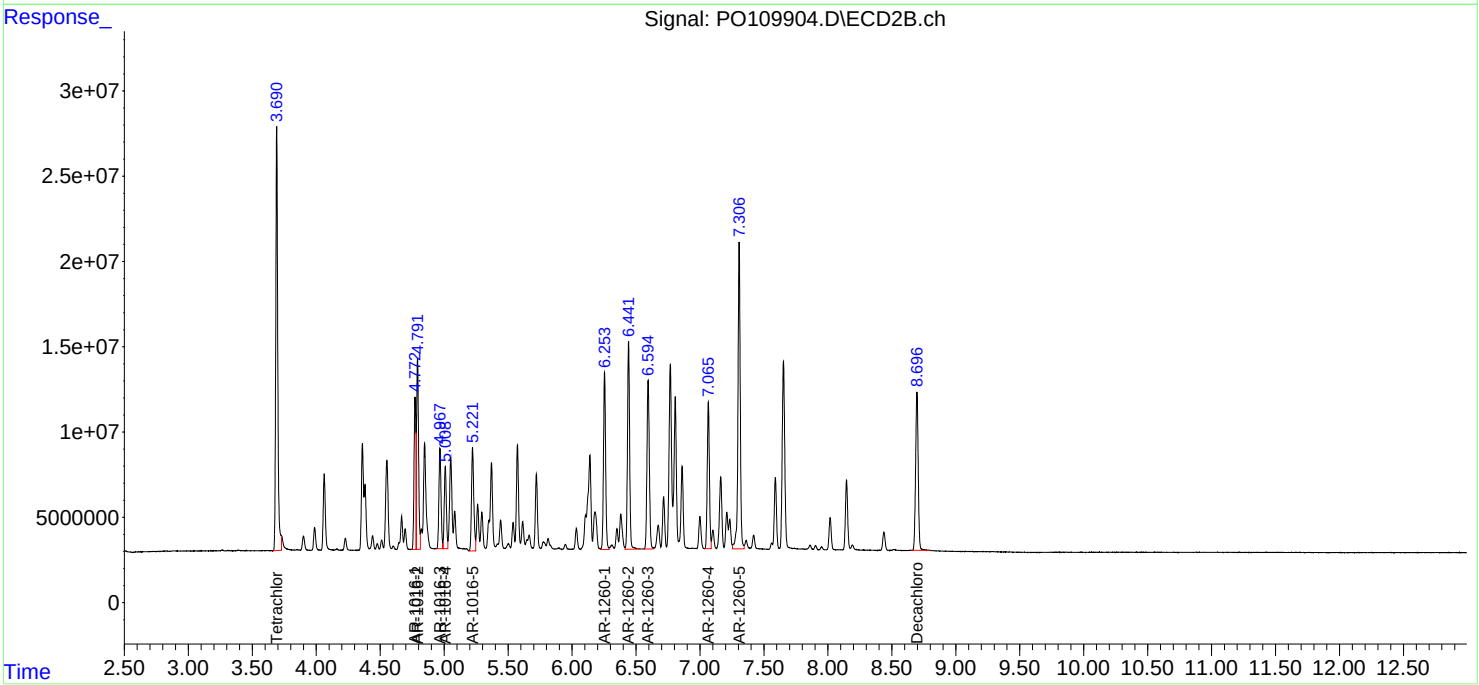
Manual Integrations APPROVED

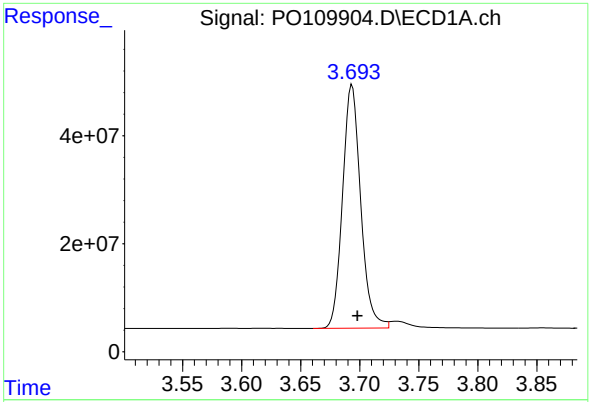
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:06:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







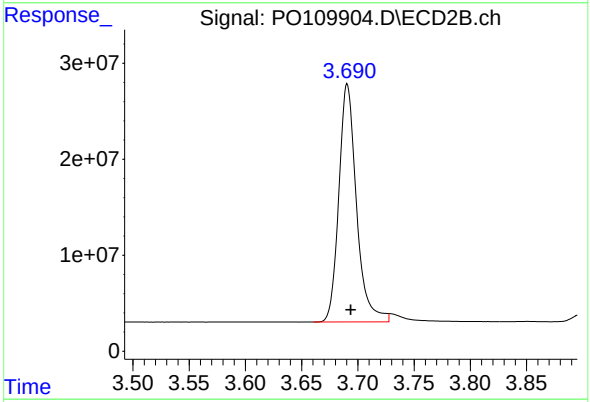
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: -0.004 min
Response: 482441938
Conc: 50.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

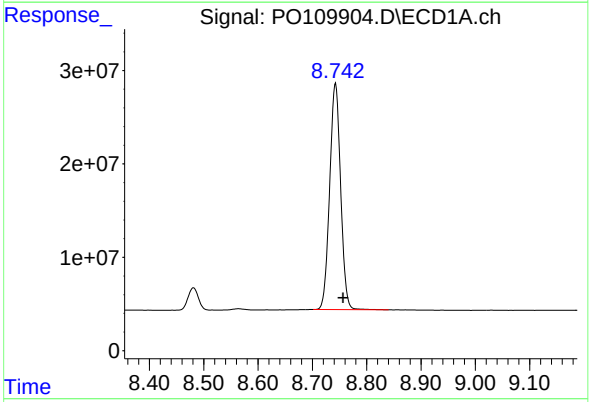
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



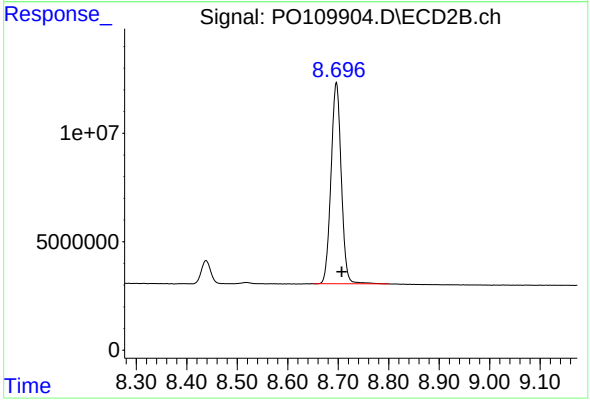
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 271015827
Conc: 51.78 ng/ml m



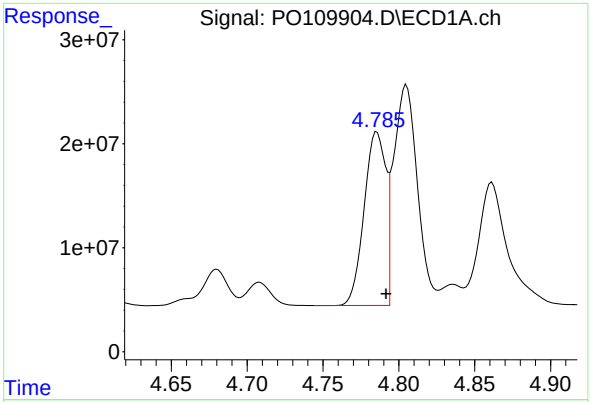
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.014 min
Response: 338405834
Conc: 39.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: -0.011 min
Response: 130915782
Conc: 41.11 ng/ml



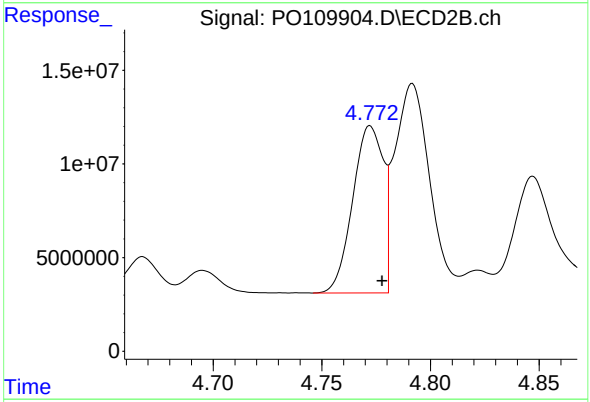
#3 AR-1016-1

R.T.: 4.786 min
Delta R.T.: -0.006 min
Response: 165162150
Conc: 535.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

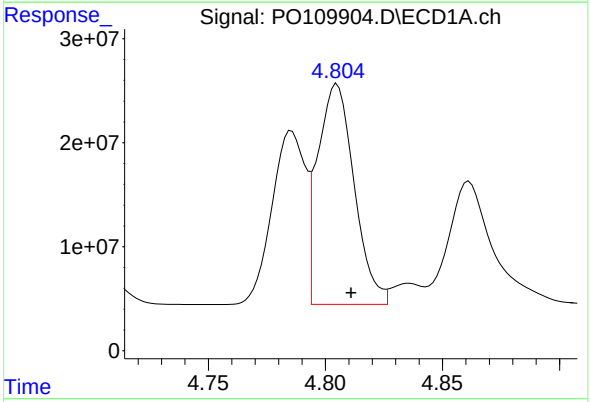
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



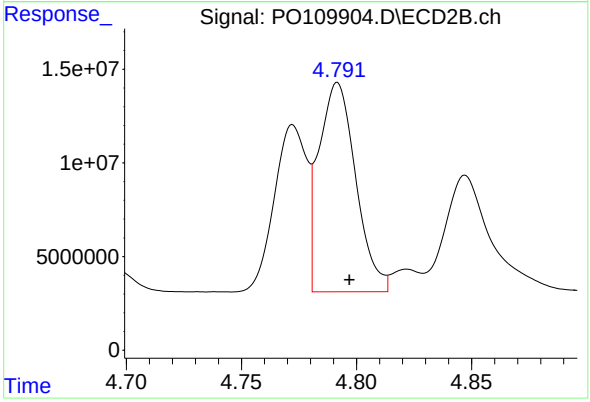
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: -0.005 min
Response: 87404313
Conc: 559.67 ng/ml



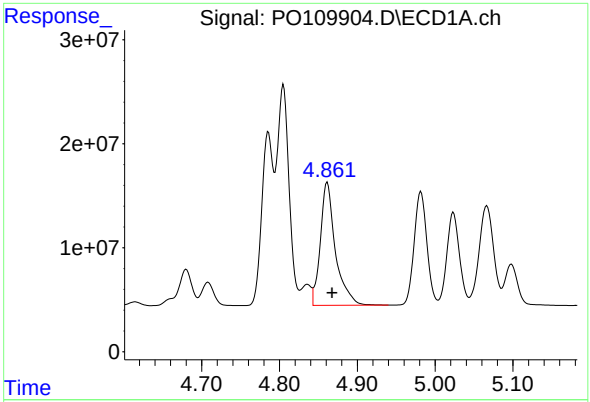
#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: -0.006 min
Response: 230428514
Conc: 547.30 ng/ml



#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 124710469
Conc: 576.21 ng/ml



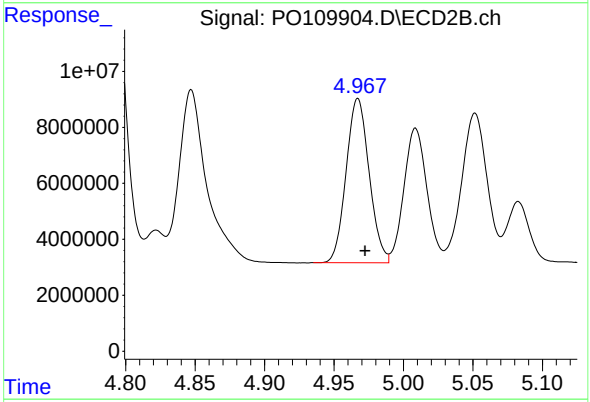
#5 AR-1016-3

R.T.: 4.861 min
Delta R.T.: -0.006 min
Response: 159128364
Conc: 537.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

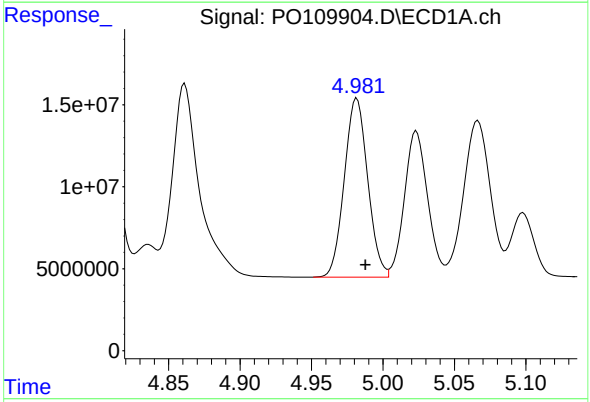
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



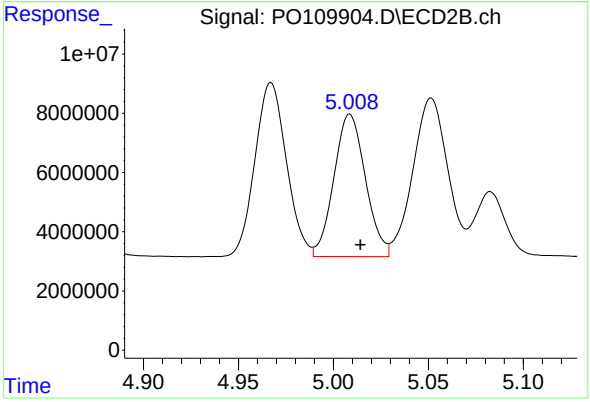
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: -0.005 min
Response: 67714217
Conc: 566.88 ng/ml



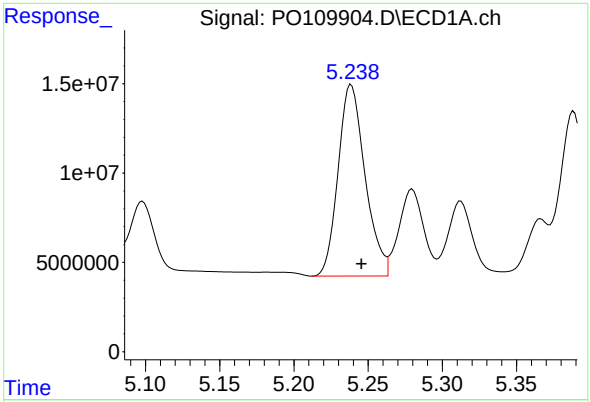
#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: -0.006 min
Response: 124256522
Conc: 536.10 ng/ml



#6 AR-1016-4

R.T.: 5.009 min
Delta R.T.: -0.006 min
Response: 55545224
Conc: 533.73 ng/ml



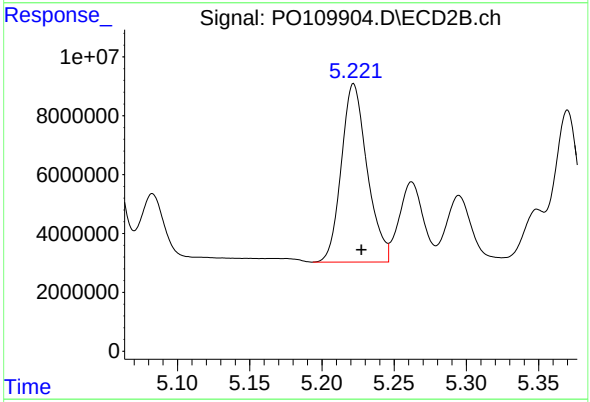
#7 AR-1016-5

R.T.: 5.239 min
Delta R.T.: -0.007 min
Response: 135463211
Conc: 524.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

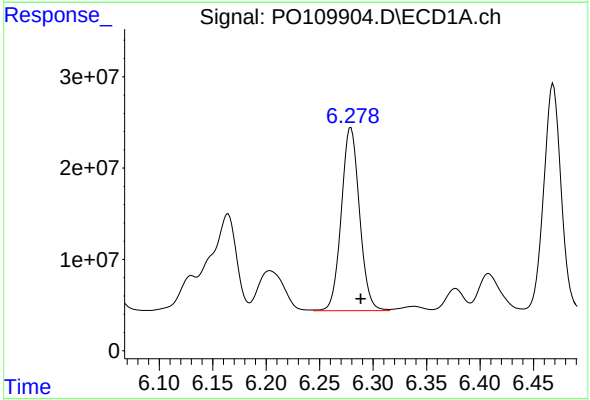
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



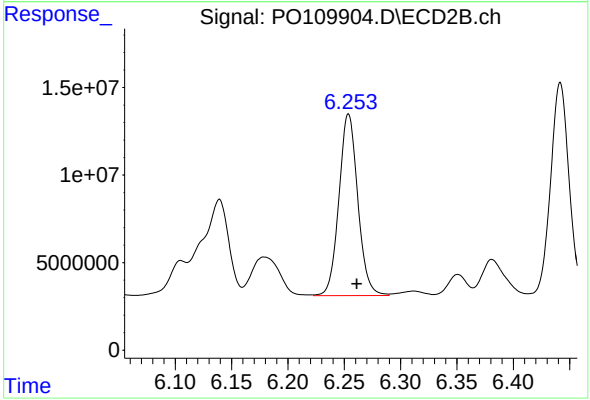
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 75385710
Conc: 553.28 ng/ml



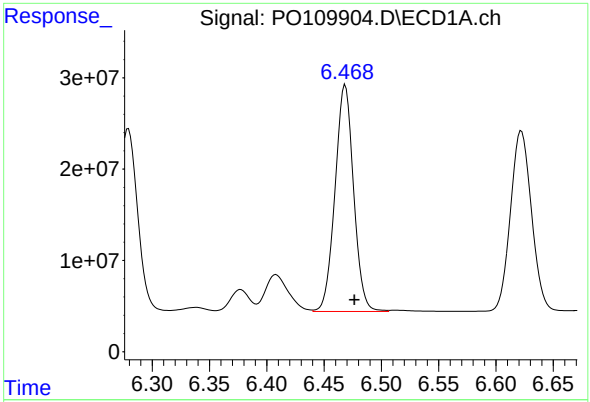
#31 AR-1260-1

R.T.: 6.279 min
Delta R.T.: -0.009 min
Response: 237608810
Conc: 509.75 ng/ml



#31 AR-1260-1

R.T.: 6.254 min
Delta R.T.: -0.007 min
Response: 120970757
Conc: 510.60 ng/ml



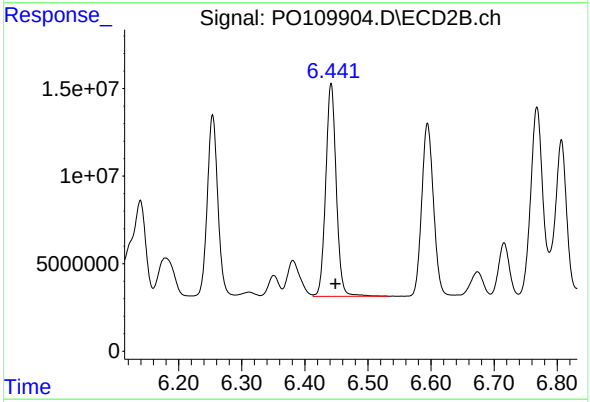
#32 AR-1260-2

R.T.: 6.468 min
Delta R.T.: -0.008 min
Response: 279878524
Conc: 495.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

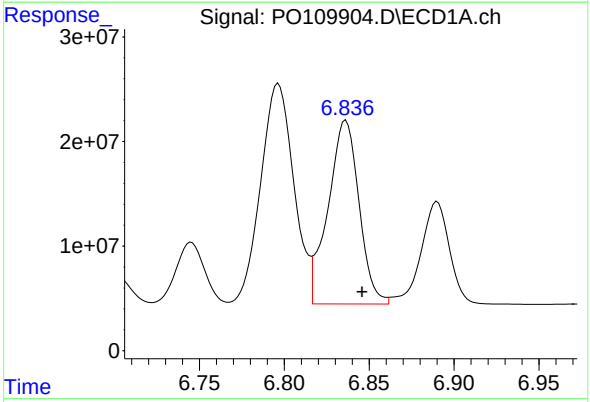
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



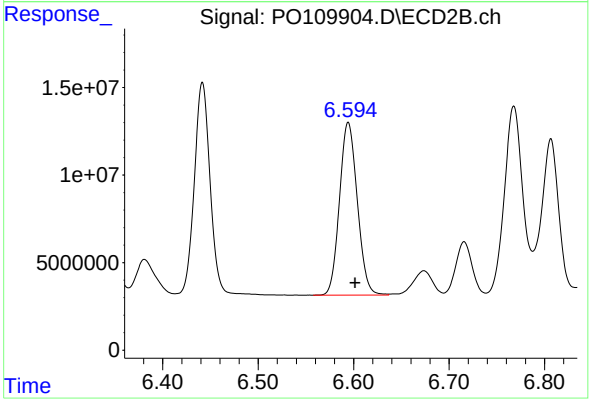
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: -0.007 min
Response: 141180620
Conc: 513.06 ng/ml



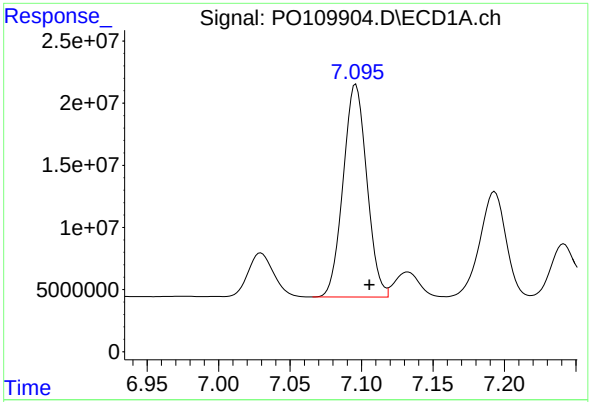
#33 AR-1260-3

R.T.: 6.836 min
Delta R.T.: -0.009 min
Response: 223206738
Conc: 469.26 ng/ml



#33 AR-1260-3

R.T.: 6.594 min
Delta R.T.: -0.007 min
Response: 127804170
Conc: 501.05 ng/ml



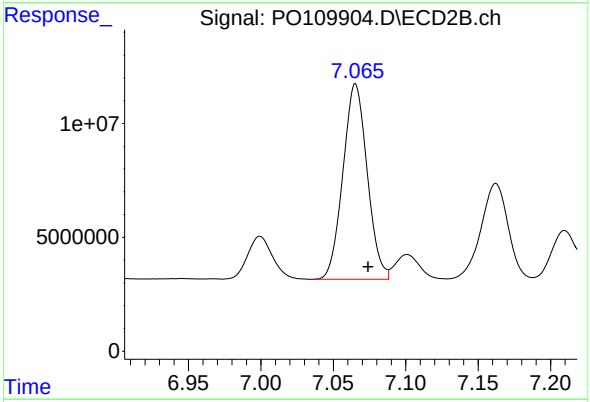
#34 AR-1260-4

R.T.: 7.096 min
Delta R.T.: -0.009 min
Response: 197301674
Conc: 457.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

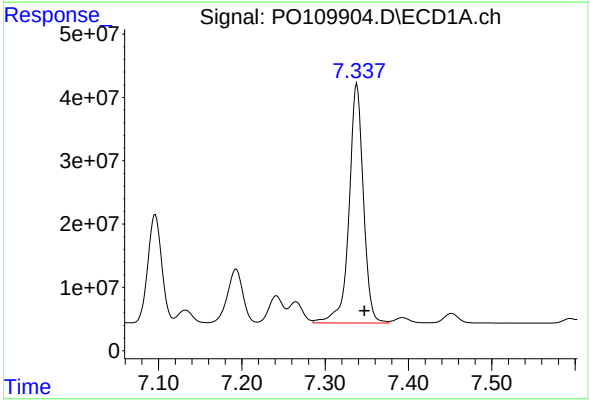
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



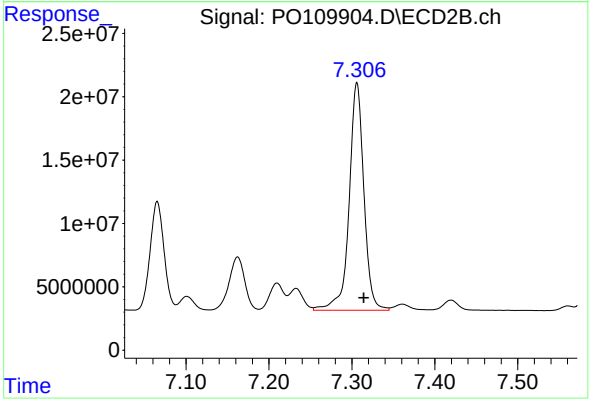
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.009 min
Response: 100036244
Conc: 485.16 ng/ml



#35 AR-1260-5

R.T.: 7.338 min
Delta R.T.: -0.009 min
Response: 451940140
Conc: 454.72 ng/ml



#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 222023219
Conc: 495.83 ng/ml

Raw Data: **PO109923.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 09:13 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.02

Raw Data: **PO109923.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 09:13 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

Raw Data: **PO109923.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109923.D **Time Analyzed:** 09:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.787	4.691	4.891	520.420	500.000	4.1
Aroclor-1016-2	4.806	4.711	4.911	532.150	500.000	6.4
Aroclor-1016-3	4.862	4.767	4.967	529.790	500.000	6.0
Aroclor-1016-4	4.983	4.888	5.088	529.650	500.000	5.9
Aroclor-1016-5	5.241	5.145	5.345	513.580	500.000	2.7
Aroclor-1260-1	6.281	6.188	6.388	491.640	500.000	-1.7
Aroclor-1260-2	6.470	6.377	6.577	488.670	500.000	-2.3
Aroclor-1260-3	6.838	6.746	6.946	474.600	500.000	-5.1
Aroclor-1260-4	7.098	7.005	7.205	472.840	500.000	-5.4
Aroclor-1260-5	7.340	7.247	7.447	469.530	500.000	-6.1
Decachlorobiphenyl	8.745	8.657	8.857	40.020	50.000	-20.0
Tetrachloro-m-xylene	3.694	3.598	3.798	52.550	50.000	5.1

Raw Data: **PO109923.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109923.D **Time Analyzed:** 09:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.678	4.878	539.290	500.000	7.9
Aroclor-1016-2	4.792	4.697	4.897	554.740	500.000	10.9
Aroclor-1016-3	4.967	4.872	5.072	548.600	500.000	9.7
Aroclor-1016-4	5.009	4.914	5.114	529.410	500.000	5.9
Aroclor-1016-5	5.222	5.127	5.327	523.530	500.000	4.7
Aroclor-1260-1	6.254	6.161	6.361	502.590	500.000	0.5
Aroclor-1260-2	6.442	6.348	6.548	501.730	500.000	0.3
Aroclor-1260-3	6.595	6.502	6.702	496.860	500.000	-0.6
Aroclor-1260-4	7.066	6.974	7.174	484.000	500.000	-3.2
Aroclor-1260-5	7.307	7.214	7.414	488.740	500.000	-2.3
Decachlorobiphenyl	8.696	8.607	8.807	39.180	50.000	-21.6
Tetrachloro-m-xylene	3.691	3.594	3.794	52.290	50.000	4.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 09:13
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 06:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.694	3.691	497.4E6	273.7E6	52.554	52.291
2)	SA Decachlor...	8.745	8.696	344.2E6	124.7E6	40.015	39.176
	Target Compounds						
3)	L1 AR-1016-1	4.787	4.772	160.4E6	84221887	520.420	539.294
4)	L1 AR-1016-2	4.806	4.792	224.1E6	120.1E6	532.155	554.744
5)	L1 AR-1016-3	4.862	4.967	156.7E6	65530811	529.786	548.599
6)	L1 AR-1016-4	4.983	5.009	122.8E6	55095600	529.647	529.406
7)	L1 AR-1016-5	5.241	5.222	132.6E6	71333008	513.583	523.532
31)	L7 AR-1260-1	6.281	6.254	229.2E6	119.1E6	491.643	502.589
32)	L7 AR-1260-2	6.470	6.442	276.2E6	138.1E6	488.675	501.730
33)	L7 AR-1260-3	6.838	6.595	225.7E6	126.7E6	474.598	496.860
34)	L7 AR-1260-4	7.098	7.066	204.1E6	99797224	472.841	484.001
35)	L7 AR-1260-5	7.340	7.307	466.7E6	218.8E6	469.535	488.739

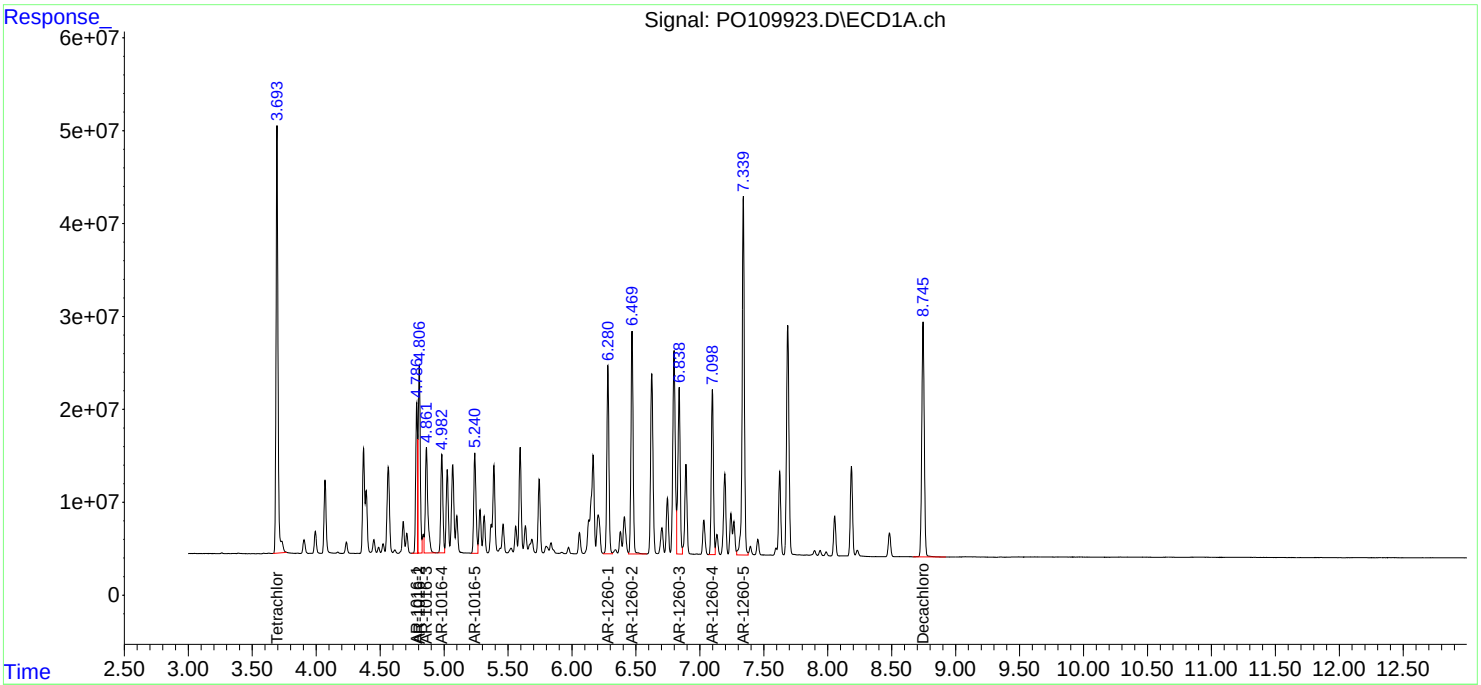
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

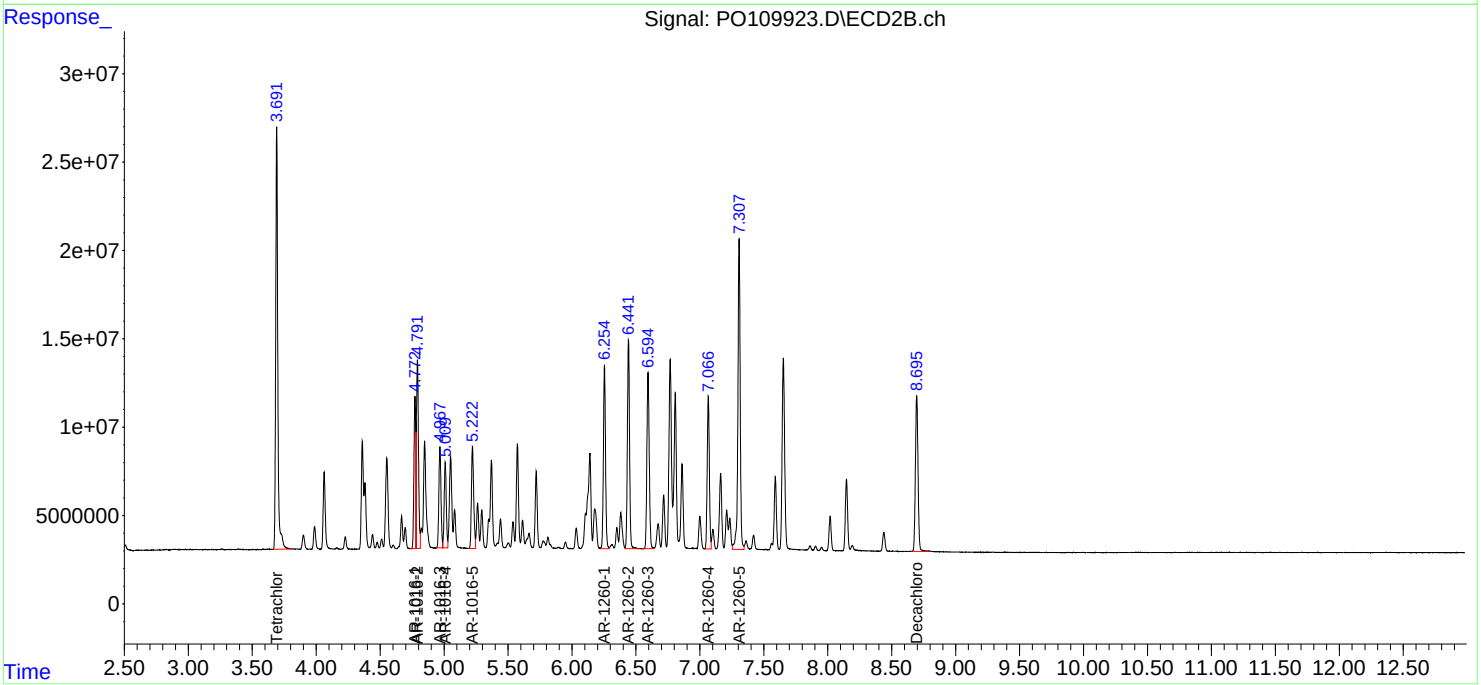
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 09:13
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

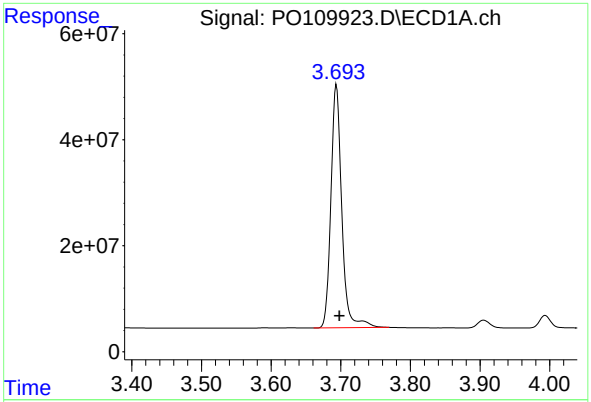
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 06:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



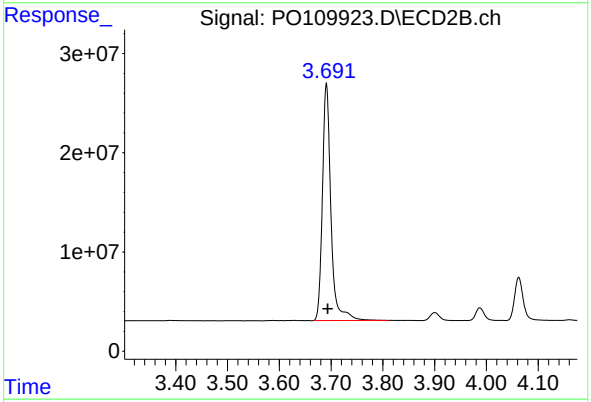




#1 Tetrachloro-m-xylene

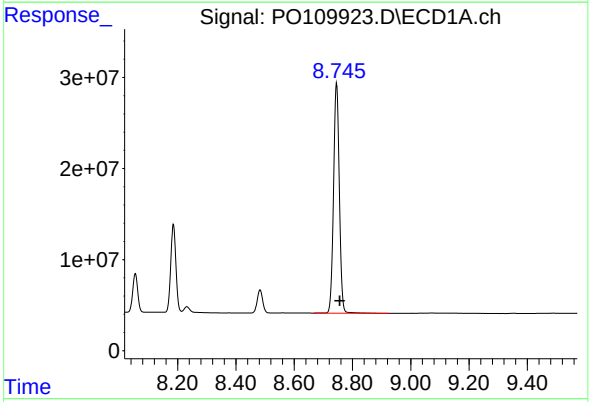
R.T.: 3.694 min
Delta R.T.: -0.004 min
Response: 497428004
Conc: 52.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



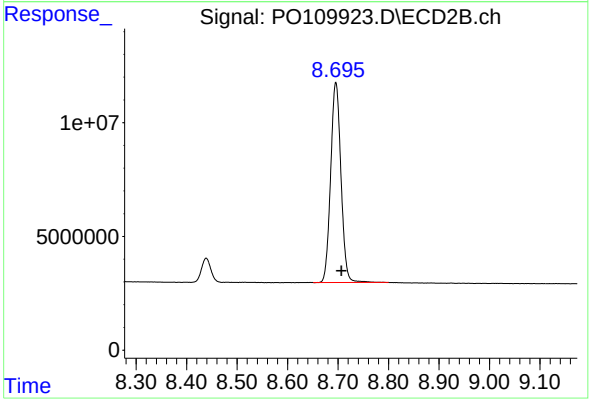
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 273699816
Conc: 52.29 ng/ml



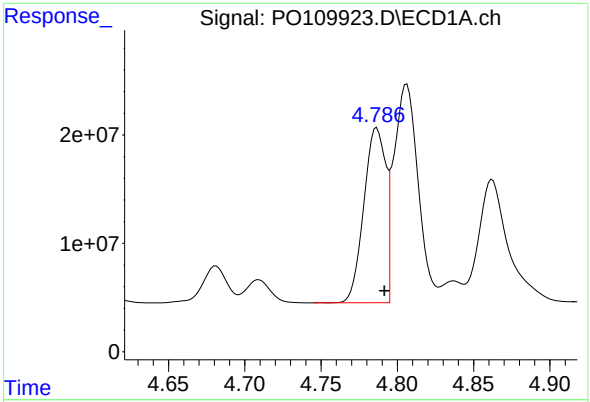
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: -0.011 min
Response: 344204436
Conc: 40.02 ng/ml



#2 Decachlorobiphenyl

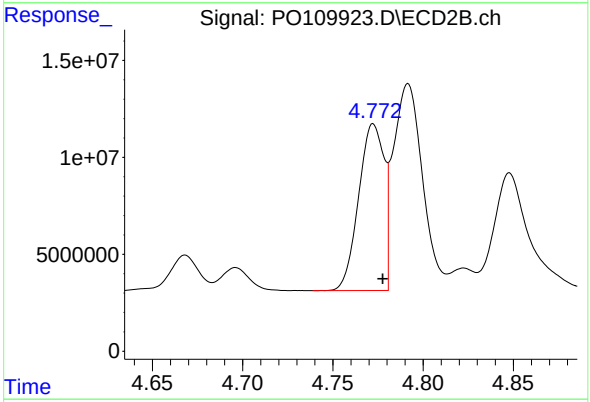
R.T.: 8.696 min
Delta R.T.: -0.011 min
Response: 124745898
Conc: 39.18 ng/ml



#3 AR-1016-1

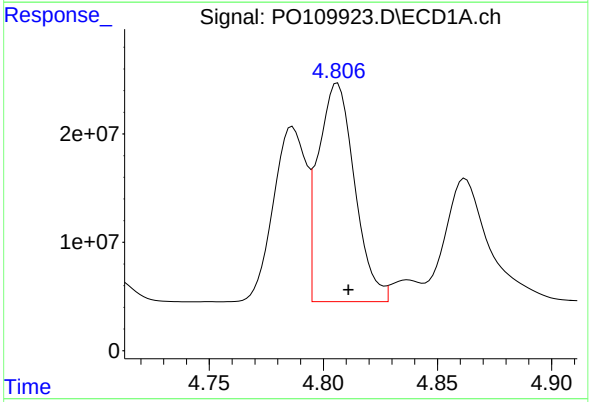
R.T.: 4.787 min
Delta R.T.: -0.005 min
Response: 160440362
Conc: 520.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



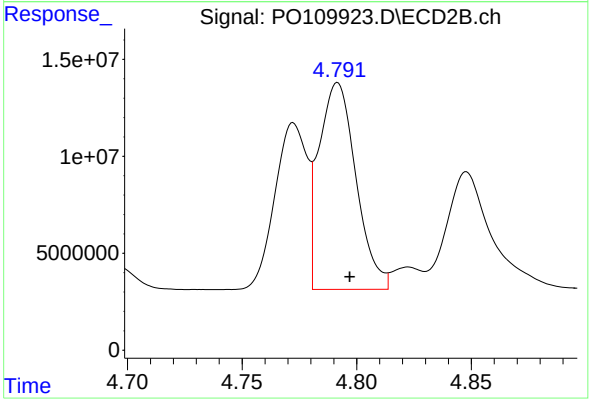
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: -0.005 min
Response: 84221887
Conc: 539.29 ng/ml



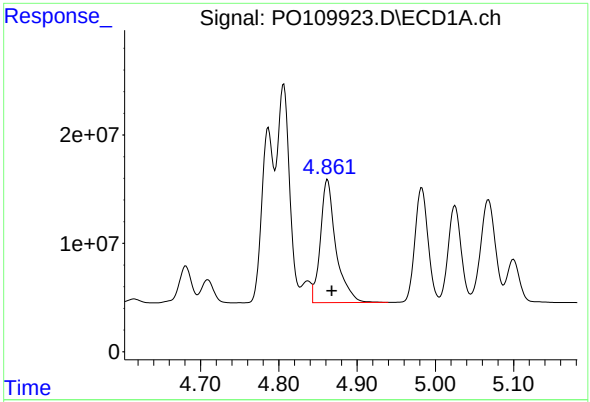
#4 AR-1016-2

R.T.: 4.806 min
Delta R.T.: -0.005 min
Response: 224051249
Conc: 532.15 ng/ml



#4 AR-1016-2

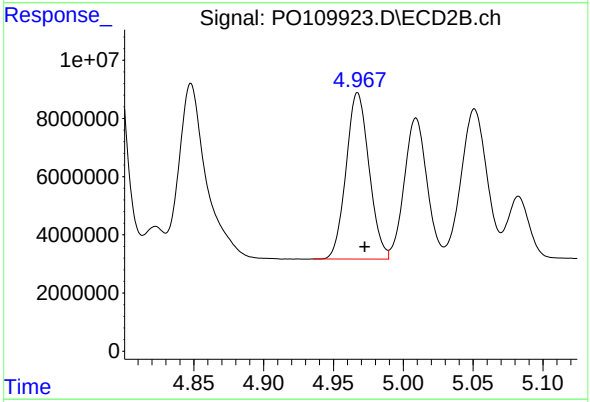
R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 120065428
Conc: 554.74 ng/ml



#5 AR-1016-3

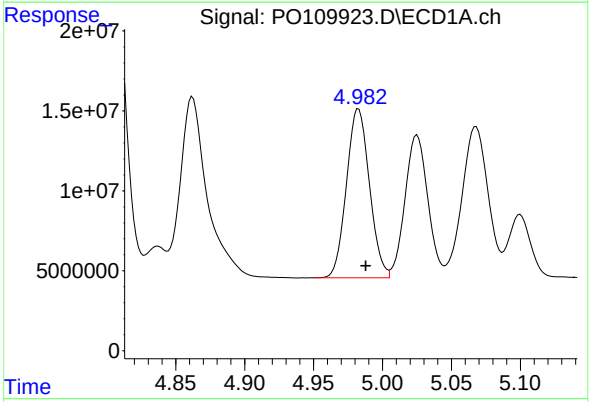
R.T.: 4.862 min
Delta R.T.: -0.005 min
Response: 156719724
Conc: 529.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



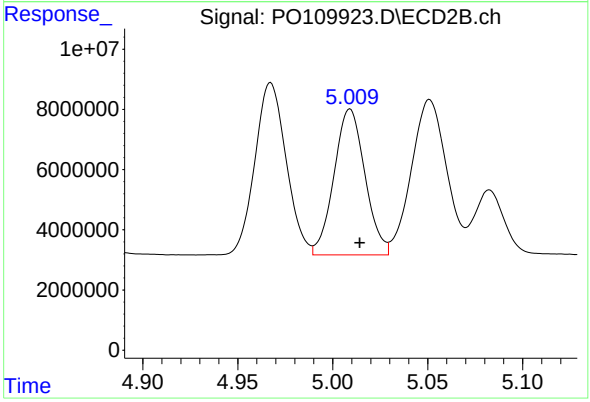
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: -0.005 min
Response: 65530811
Conc: 548.60 ng/ml



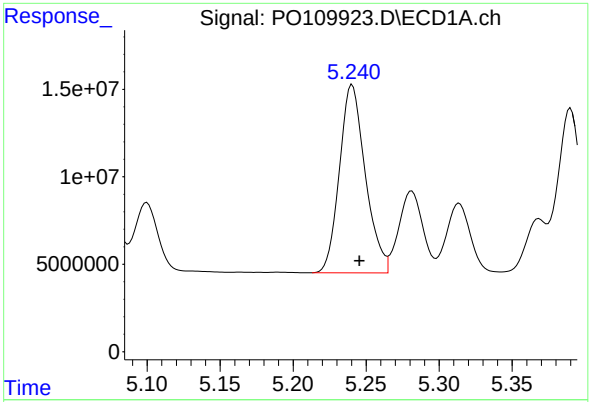
#6 AR-1016-4

R.T.: 4.983 min
Delta R.T.: -0.005 min
Response: 122761729
Conc: 529.65 ng/ml



#6 AR-1016-4

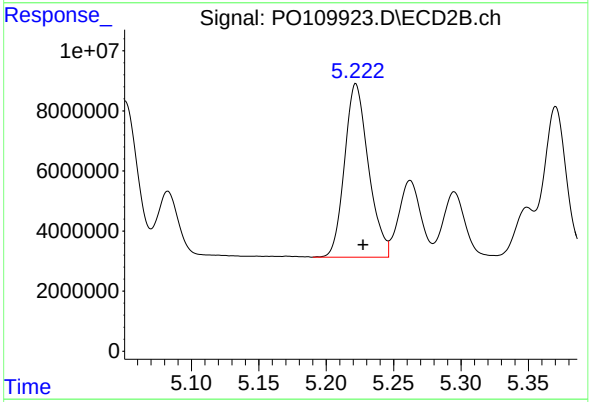
R.T.: 5.009 min
Delta R.T.: -0.005 min
Response: 55095600
Conc: 529.41 ng/ml



#7 AR-1016-5

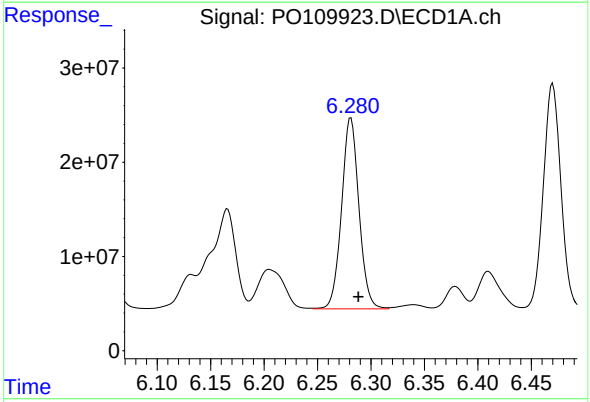
R.T.: 5.241 min
Delta R.T.: -0.005 min
Response: 132622389
Conc: 513.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



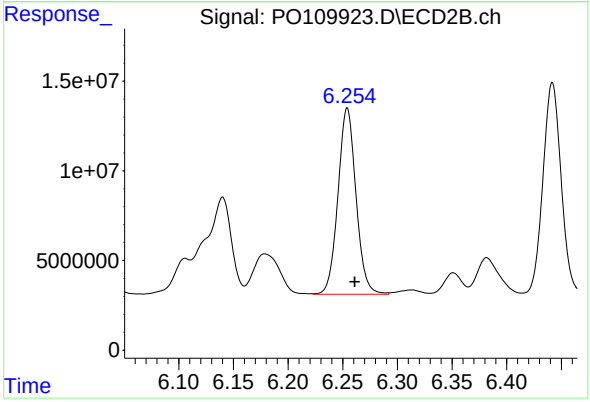
#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 71333008
Conc: 523.53 ng/ml



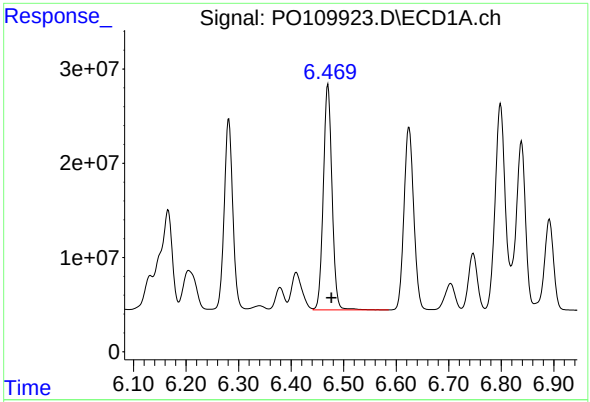
#31 AR-1260-1

R.T.: 6.281 min
Delta R.T.: -0.007 min
Response: 229170121
Conc: 491.64 ng/ml



#31 AR-1260-1

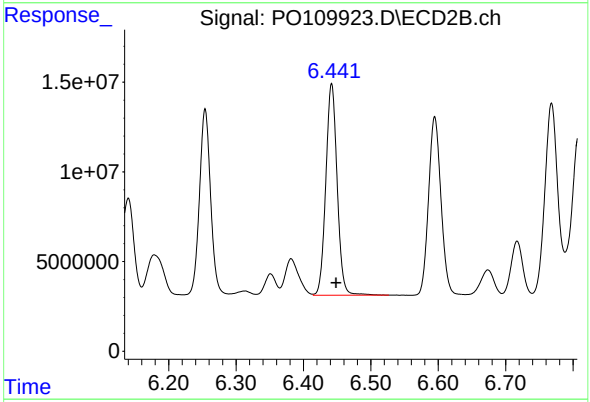
R.T.: 6.254 min
Delta R.T.: -0.007 min
Response: 119073260
Conc: 502.59 ng/ml



#32 AR-1260-2

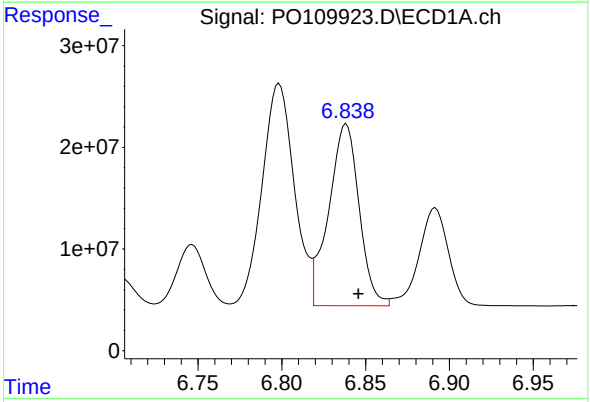
R.T.: 6.470 min
Delta R.T.: -0.007 min
Response: 276159192
Conc: 488.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



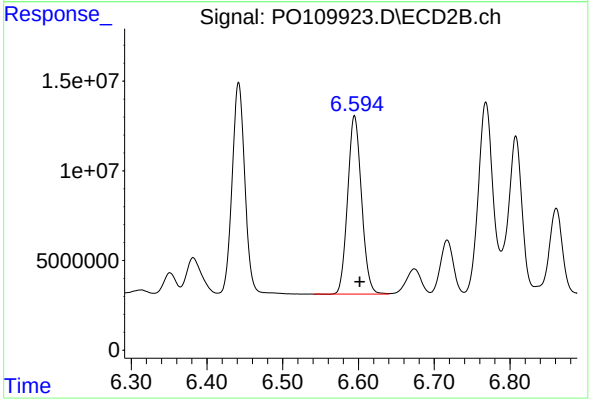
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: -0.007 min
Response: 138061702
Conc: 501.73 ng/ml



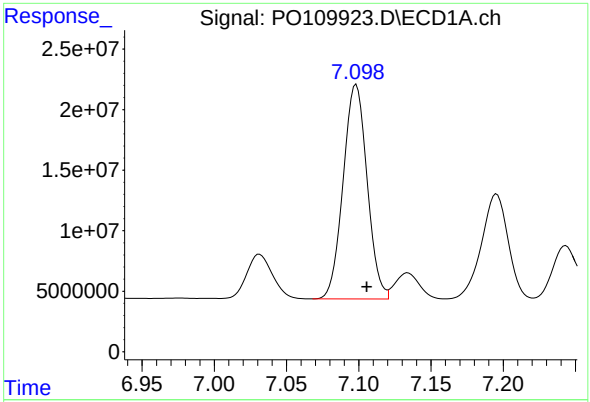
#33 AR-1260-3

R.T.: 6.838 min
Delta R.T.: -0.007 min
Response: 225747703
Conc: 474.60 ng/ml



#33 AR-1260-3

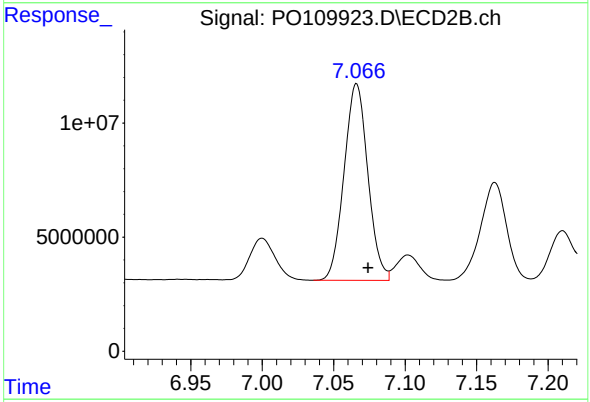
R.T.: 6.595 min
Delta R.T.: -0.007 min
Response: 126734079
Conc: 496.86 ng/ml



#34 AR-1260-4

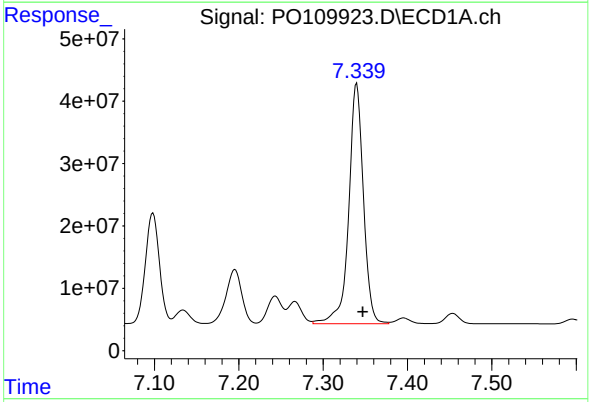
R.T.: 7.098 min
Delta R.T.: -0.007 min
Response: 204078607
Conc: 472.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



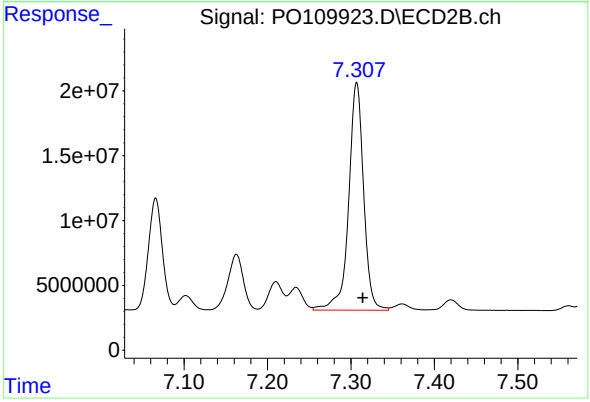
#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: -0.008 min
Response: 99797224
Conc: 484.00 ng/ml



#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: -0.007 min
Response: 466662010
Conc: 469.53 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: -0.007 min
Response: 218849175
Conc: 488.74 ng/ml

Raw Data: **PO109935.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 16:28 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.01

Raw Data: **PO109935.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 16:28 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109935.D **Time Analyzed:** 16:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.787	4.691	4.891	495.420	500.000	-0.9
Aroclor-1016-2	4.806	4.711	4.911	497.010	500.000	-0.6
Aroclor-1016-3	4.862	4.767	4.967	497.830	500.000	-0.4
Aroclor-1016-4	4.983	4.888	5.088	499.000	500.000	-0.2
Aroclor-1016-5	5.240	5.145	5.345	500.320	500.000	0.1
Aroclor-1260-1	6.282	6.188	6.388	468.480	500.000	-6.3
Aroclor-1260-2	6.470	6.377	6.577	466.430	500.000	-6.7
Aroclor-1260-3	6.839	6.746	6.946	449.630	500.000	-10.1
Aroclor-1260-4	7.099	7.005	7.205	446.990	500.000	-10.6
Aroclor-1260-5	7.340	7.247	7.447	446.440	500.000	-10.7
Decachlorobiphenyl	8.747	8.657	8.857	53.600	50.000	7.2
Tetrachloro-m-xylene	3.694	3.598	3.798	47.390	50.000	-5.2

Raw Data: **PO109935.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109935.D **Time Analyzed:** 16:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.773	4.678	4.878	506.990	500.000	1.4
Aroclor-1016-2	4.792	4.697	4.897	518.690	500.000	3.7
Aroclor-1016-3	4.968	4.872	5.072	517.250	500.000	3.5
Aroclor-1016-4	5.010	4.914	5.114	489.360	500.000	-2.1
Aroclor-1016-5	5.223	5.127	5.327	513.620	500.000	2.7
Aroclor-1260-1	6.255	6.161	6.361	474.040	500.000	-5.2
Aroclor-1260-2	6.442	6.348	6.548	476.300	500.000	-4.7
Aroclor-1260-3	6.596	6.502	6.702	469.320	500.000	-6.1
Aroclor-1260-4	7.067	6.974	7.174	450.460	500.000	-9.9
Aroclor-1260-5	7.308	7.214	7.414	446.130	500.000	-10.8
Decachlorobiphenyl	8.697	8.607	8.807	49.430	50.000	-1.1
Tetrachloro-m-xylene	3.692	3.594	3.794	48.820	50.000	-2.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:28
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 91 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.694	3.692	448.6E6	255.5E6	47.393	48.822
2)	SA Decachlor...	8.747	8.697	461.1E6	157.4E6	53.604	49.429
	Target Compounds						
3)	L1 AR-1016-1	4.787	4.773	152.7E6	79176920	495.422	506.990
4)	L1 AR-1016-2	4.806	4.792	209.3E6	112.3E6	497.015	518.690
5)	L1 AR-1016-3	4.862	4.968	147.3E6	61786467	497.827	517.253
6)	L1 AR-1016-4	4.983	5.010	115.7E6	50928405	499.002	489.364
7)	L1 AR-1016-5	5.240	5.223	129.2E6	69982443	500.321	513.619
31)	L7 AR-1260-1	6.282	6.255	218.4E6	112.3E6	468.484	474.035
32)	L7 AR-1260-2	6.470	6.442	263.6E6	131.1E6	466.430	476.299
33)	L7 AR-1260-3	6.839	6.596	213.9E6	119.7E6	449.630	469.317
34)	L7 AR-1260-4	7.099	7.067	192.9E6	92881978	446.987	450.463
35)	L7 AR-1260-5	7.340	7.308	443.7E6	199.8E6	446.441	446.129

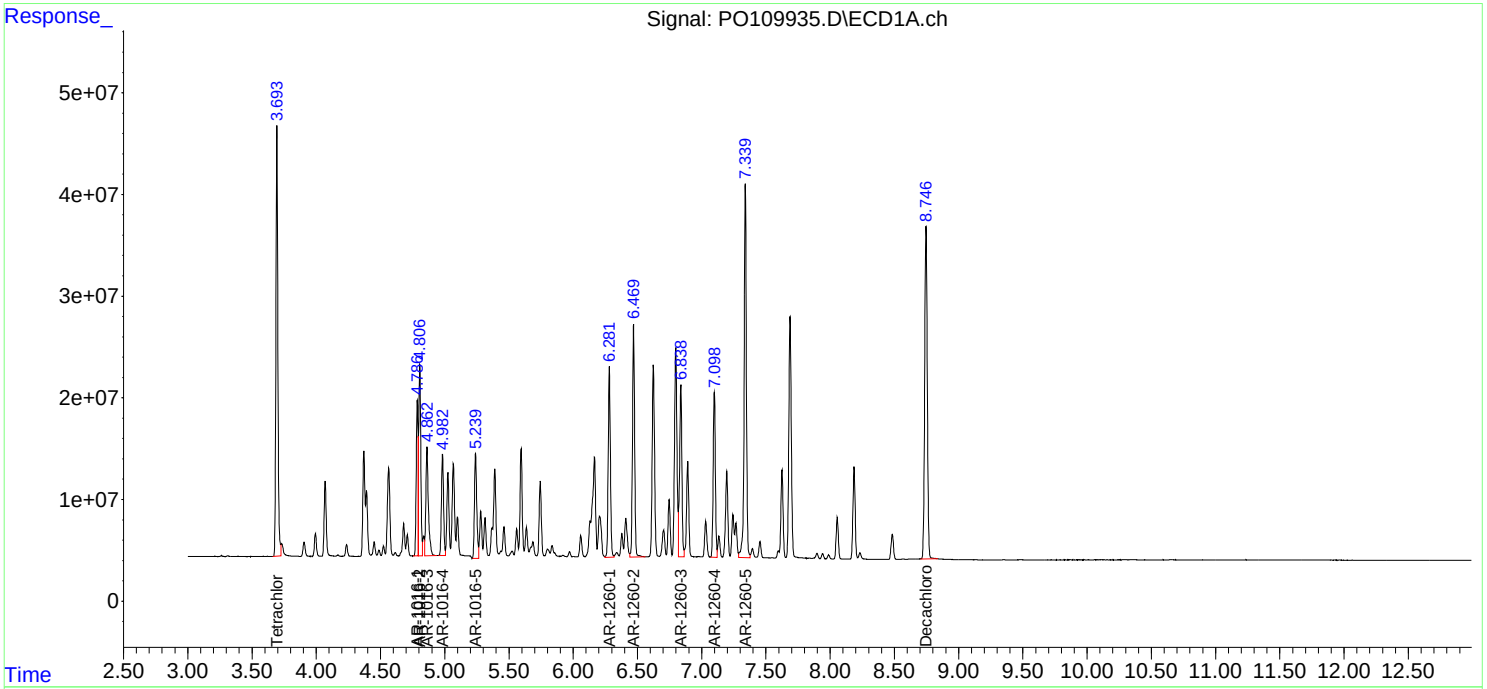
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

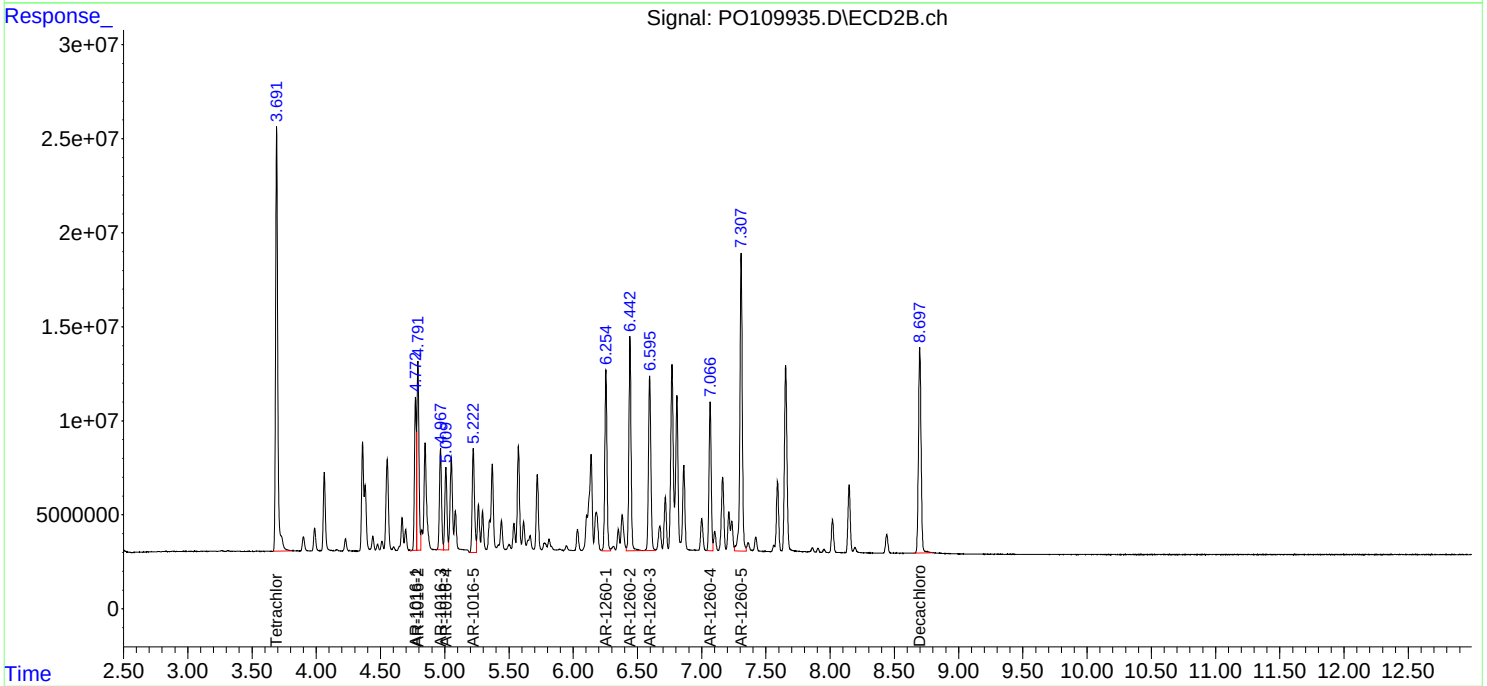
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 16:28
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 91 Sample Multiplier: 1

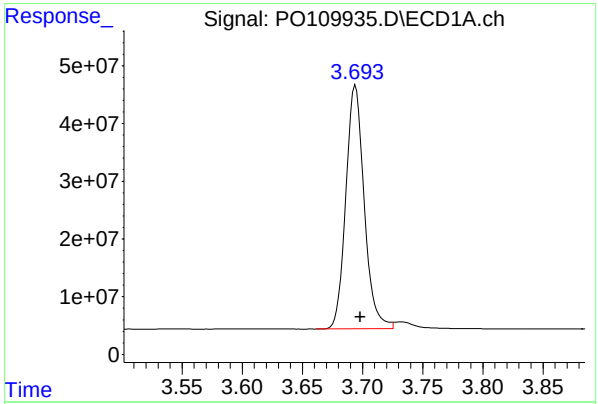
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:34:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



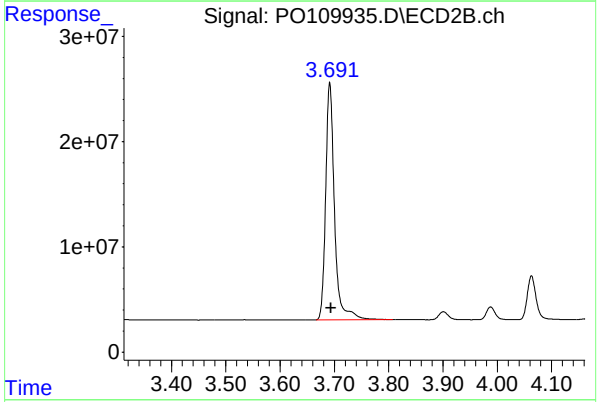




#1 Tetrachloro-m-xylene

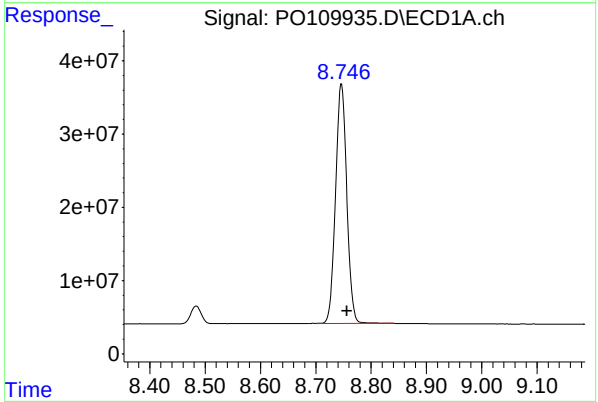
R.T.: 3.694 min
Delta R.T.: -0.004 min
Response: 448577606
Conc: 47.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



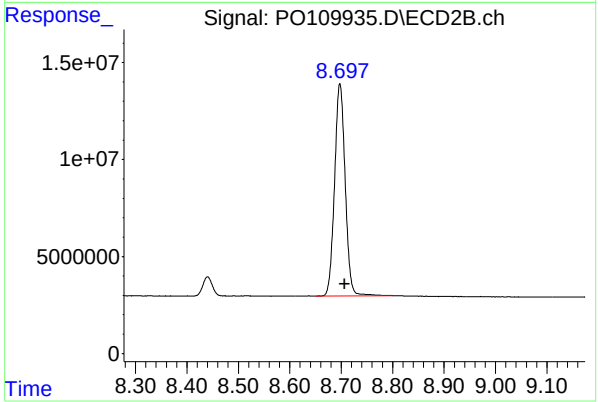
#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: -0.002 min
Response: 255543550
Conc: 48.82 ng/ml



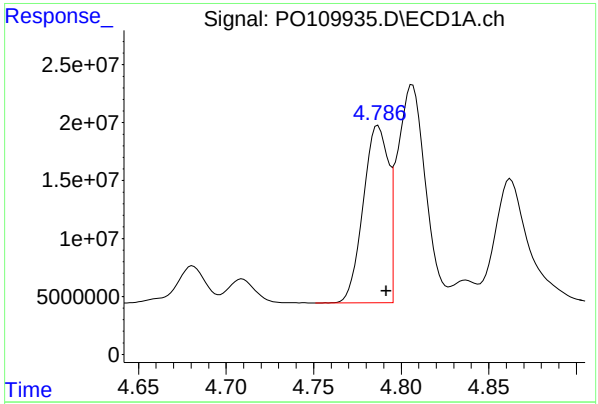
#2 Decachlorobiphenyl

R.T.: 8.747 min
Delta R.T.: -0.010 min
Response: 461092867
Conc: 53.60 ng/ml



#2 Decachlorobiphenyl

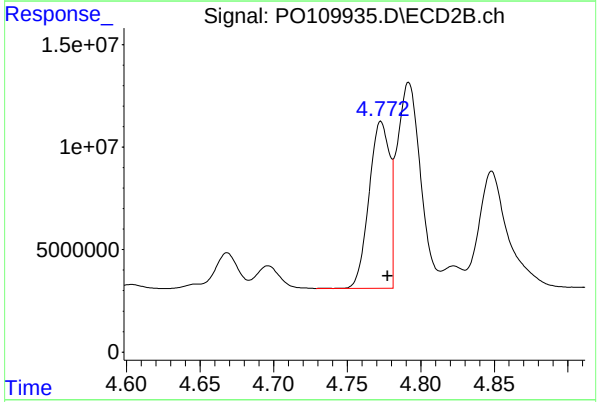
R.T.: 8.697 min
Delta R.T.: -0.009 min
Response: 157394855
Conc: 49.43 ng/ml



#3 AR-1016-1

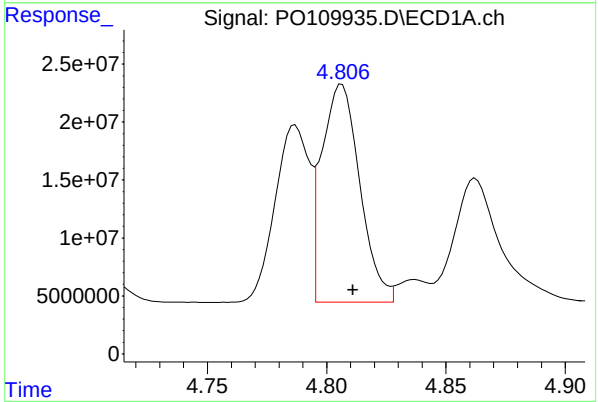
R.T.: 4.787 min
Delta R.T.: -0.005 min
Response: 152733702
Conc: 495.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



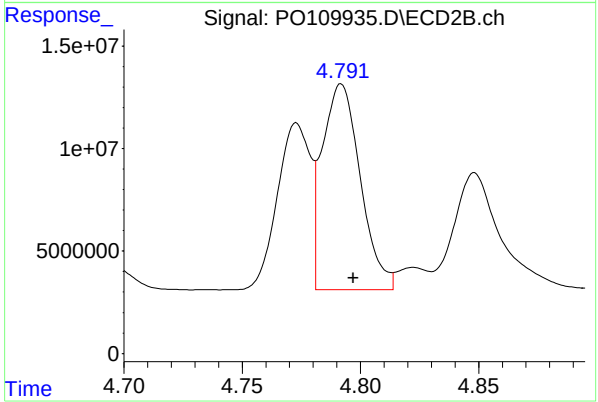
#3 AR-1016-1

R.T.: 4.773 min
Delta R.T.: -0.005 min
Response: 79176920
Conc: 506.99 ng/ml



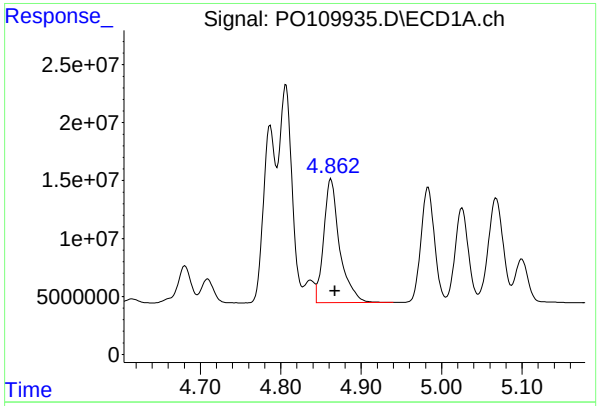
#4 AR-1016-2

R.T.: 4.806 min
Delta R.T.: -0.005 min
Response: 209256464
Conc: 497.01 ng/ml



#4 AR-1016-2

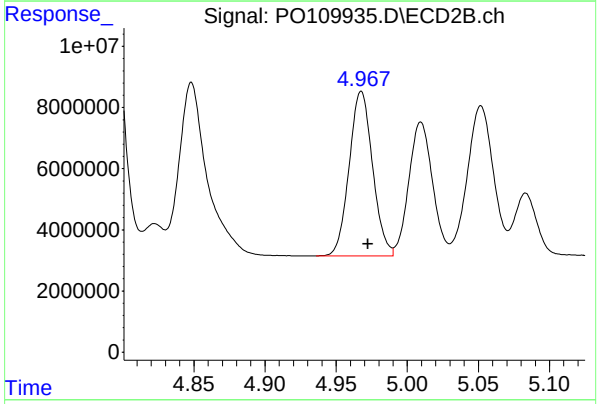
R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 112261983
Conc: 518.69 ng/ml



#5 AR-1016-3

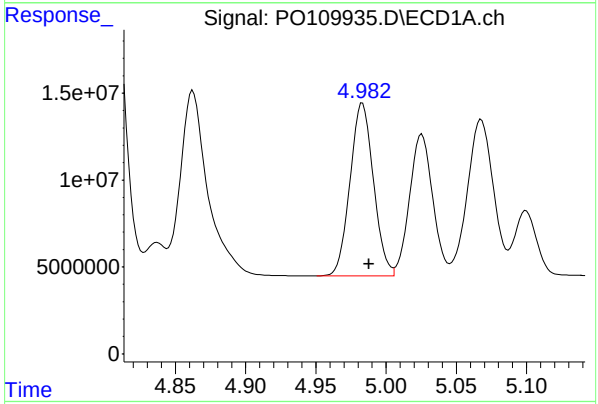
R.T.: 4.862 min
Delta R.T.: -0.005 min
Response: 147265794
Conc: 497.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



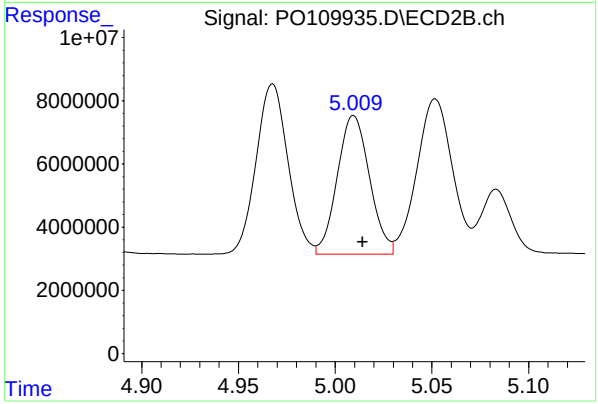
#5 AR-1016-3

R.T.: 4.968 min
Delta R.T.: -0.005 min
Response: 61786467
Conc: 517.25 ng/ml



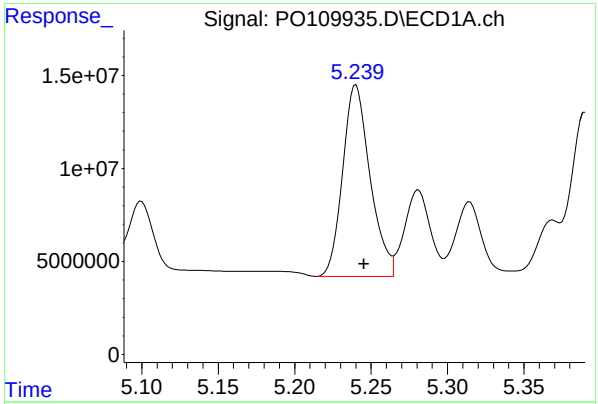
#6 AR-1016-4

R.T.: 4.983 min
Delta R.T.: -0.005 min
Response: 115658686
Conc: 499.00 ng/ml



#6 AR-1016-4

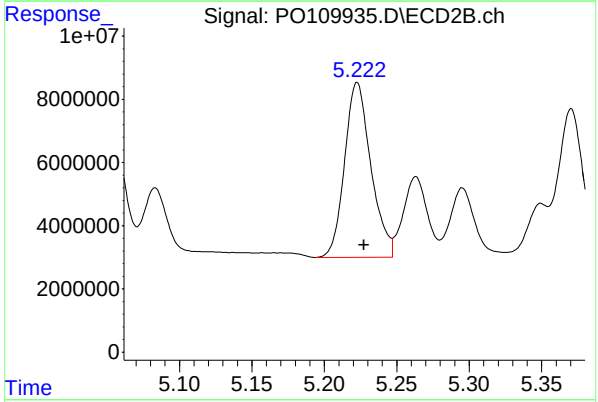
R.T.: 5.010 min
Delta R.T.: -0.005 min
Response: 50928405
Conc: 489.36 ng/ml



#7 AR-1016-5

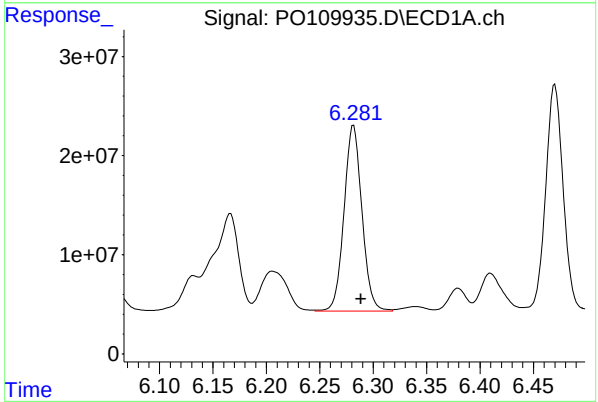
R.T.: 5.240 min
Delta R.T.: -0.005 min
Response: 129197954
Conc: 500.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



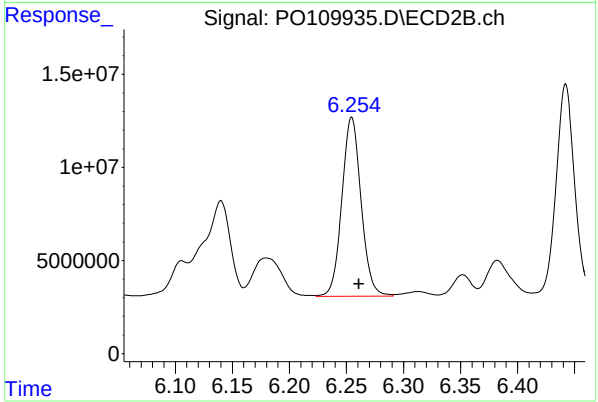
#7 AR-1016-5

R.T.: 5.223 min
Delta R.T.: -0.005 min
Response: 69982443
Conc: 513.62 ng/ml



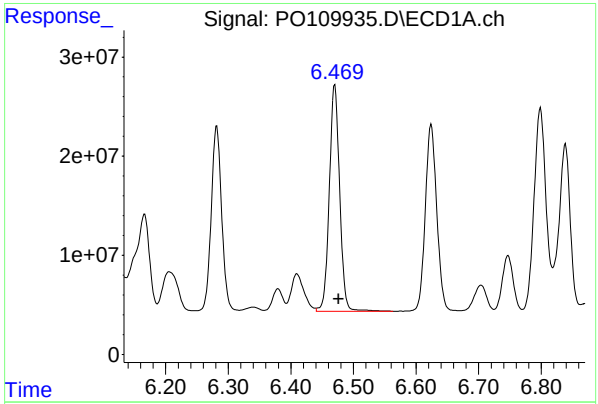
#31 AR-1260-1

R.T.: 6.282 min
Delta R.T.: -0.007 min
Response: 218375070
Conc: 468.48 ng/ml



#31 AR-1260-1

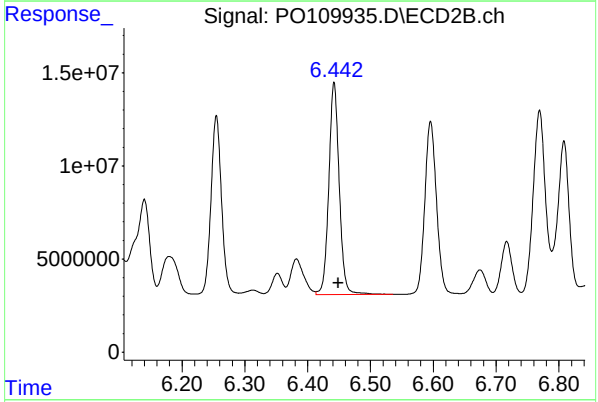
R.T.: 6.255 min
Delta R.T.: -0.006 min
Response: 112308278
Conc: 474.04 ng/ml



#32 AR-1260-2

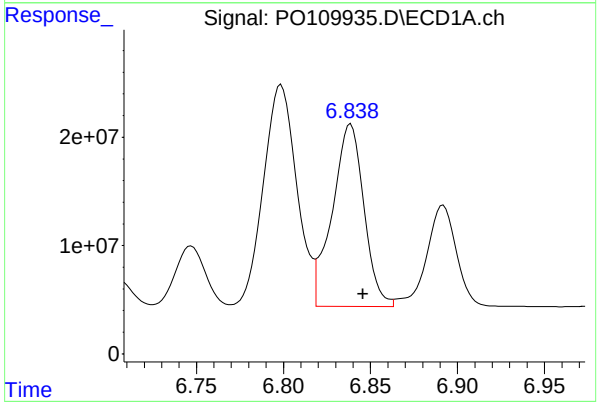
R.T.: 6.470 min
Delta R.T.: -0.006 min
Response: 263587947
Conc: 466.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



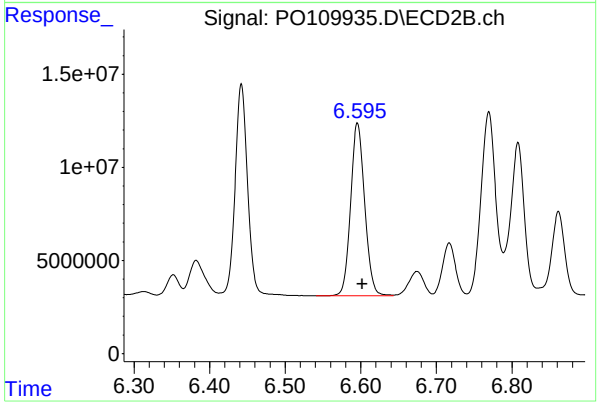
#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: -0.006 min
Response: 131063830
Conc: 476.30 ng/ml



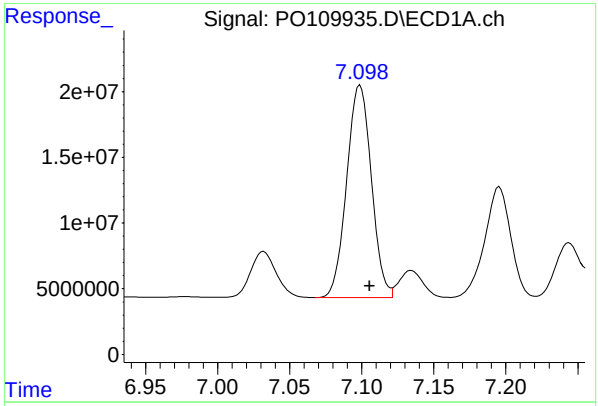
#33 AR-1260-3

R.T.: 6.839 min
Delta R.T.: -0.007 min
Response: 213871327
Conc: 449.63 ng/ml



#33 AR-1260-3

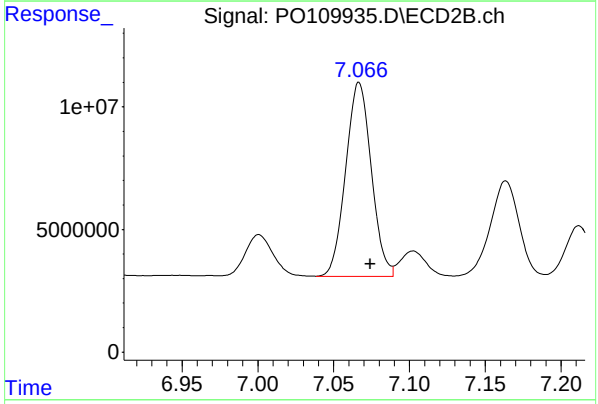
R.T.: 6.596 min
Delta R.T.: -0.006 min
Response: 119708749
Conc: 469.32 ng/ml



#34 AR-1260-4

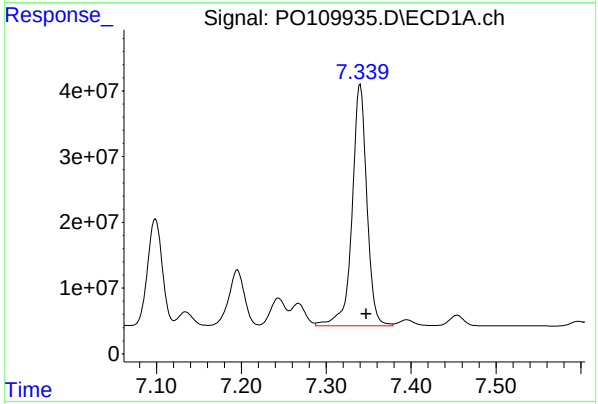
R.T.: 7.099 min
Delta R.T.: -0.007 min
Response: 192920269
Conc: 446.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



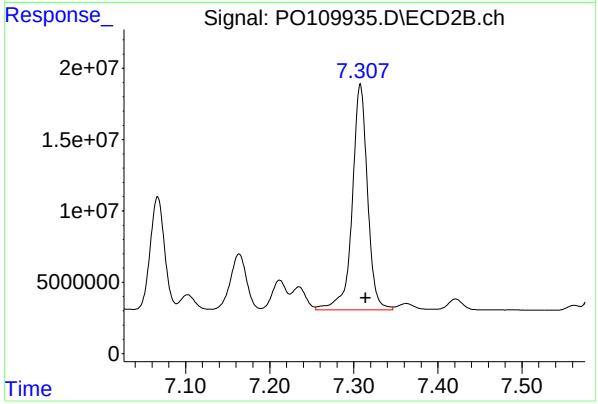
#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: -0.007 min
Response: 92881978
Conc: 450.46 ng/ml



#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: -0.007 min
Response: 443709606
Conc: 446.44 ng/ml



#35 AR-1260-5

R.T.: 7.308 min
Delta R.T.: -0.006 min
Response: 199769100
Conc: 446.13 ng/ml

Raw Data: **PO109963.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 08:06 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.01

Raw Data: **PO109963.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 08:06 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.02

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109963.D **Time Analyzed:** 08:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.785	4.691	4.891	523.130	500.000	4.6
Aroclor-1016-2	4.804	4.711	4.911	523.500	500.000	4.7
Aroclor-1016-3	4.860	4.767	4.967	527.350	500.000	5.5
Aroclor-1016-4	4.981	4.888	5.088	526.280	500.000	5.3
Aroclor-1016-5	5.238	5.145	5.345	574.940	500.000	15.0
Aroclor-1260-1	6.280	6.188	6.388	502.140	500.000	0.4
Aroclor-1260-2	6.469	6.377	6.577	491.200	500.000	-1.8
Aroclor-1260-3	6.837	6.746	6.946	471.160	500.000	-5.8
Aroclor-1260-4	7.096	7.005	7.205	467.620	500.000	-6.5
Aroclor-1260-5	7.339	7.247	7.447	459.320	500.000	-8.1
Decachlorobiphenyl	8.746	8.657	8.857	56.250	50.000	12.5
Tetrachloro-m-xylene	3.692	3.598	3.798	50.350	50.000	0.7

Raw Data: **PO109963.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109963.D **Time Analyzed:** 08:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.770	4.678	4.878	517.580	500.000	3.5
Aroclor-1016-2	4.789	4.697	4.897	534.310	500.000	6.9
Aroclor-1016-3	4.965	4.872	5.072	530.300	500.000	6.1
Aroclor-1016-4	5.007	4.914	5.114	451.310	500.000	-9.7
Aroclor-1016-5	5.220	5.127	5.327	569.280	500.000	13.9
Aroclor-1260-1	6.252	6.161	6.361	496.540	500.000	-0.7
Aroclor-1260-2	6.440	6.348	6.548	496.670	500.000	-0.7
Aroclor-1260-3	6.593	6.502	6.702	478.930	500.000	-4.2
Aroclor-1260-4	7.065	6.974	7.174	459.430	500.000	-8.1
Aroclor-1260-5	7.305	7.214	7.414	456.320	500.000	-8.7
Decachlorobiphenyl	8.695	8.607	8.807	47.180	50.000	-5.6
Tetrachloro-m-xylene	3.689	3.594	3.794	49.850	50.000	-0.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:06
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 91 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.692	3.689	476.6E6	260.9E6	50.351	49.853
2)	SA Decachlor...	8.746	8.695	483.9E6	150.2E6	56.253	47.179
	Target Compounds						
3)	L1 AR-1016-1	4.785	4.770	161.3E6	80830523	523.127	517.579
4)	L1 AR-1016-2	4.804	4.789	220.4E6	115.6E6	523.503	534.305
5)	L1 AR-1016-3	4.860	4.965	156.0E6	63345075	527.349	530.301
6)	L1 AR-1016-4	4.981	5.007	122.0E6	46968374	526.280	451.313
7)	L1 AR-1016-5	5.238	5.220	148.5E6	77565866	574.940	569.276
31)	L7 AR-1260-1	6.280	6.252	234.1E6	117.6E6	502.139	496.542
32)	L7 AR-1260-2	6.469	6.440	277.6E6	136.7E6	491.200	496.671
33)	L7 AR-1260-3	6.837	6.593	224.1E6	122.2E6	471.160	478.928
34)	L7 AR-1260-4	7.096	7.065	201.8E6	94731602	467.618	459.433
35)	L7 AR-1260-5	7.339	7.305	456.5E6	204.3E6	459.324	456.324

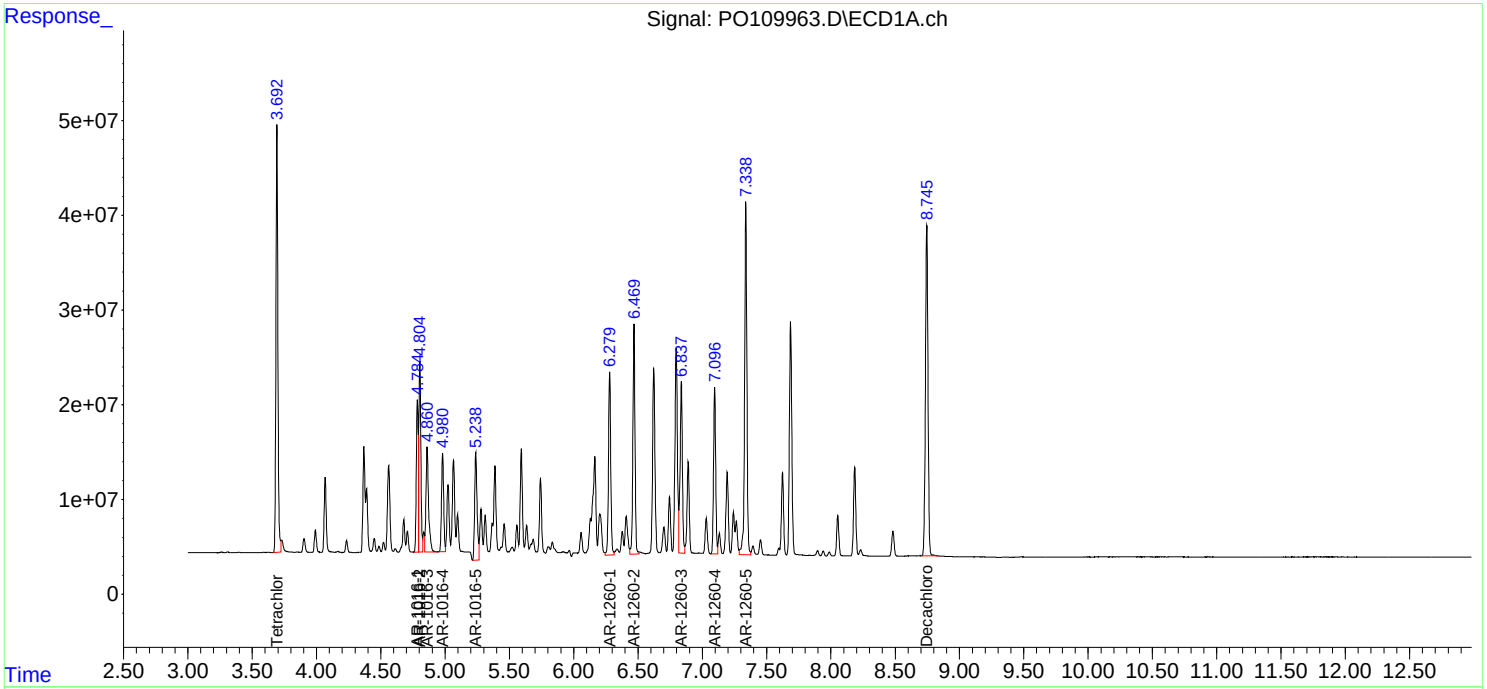
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

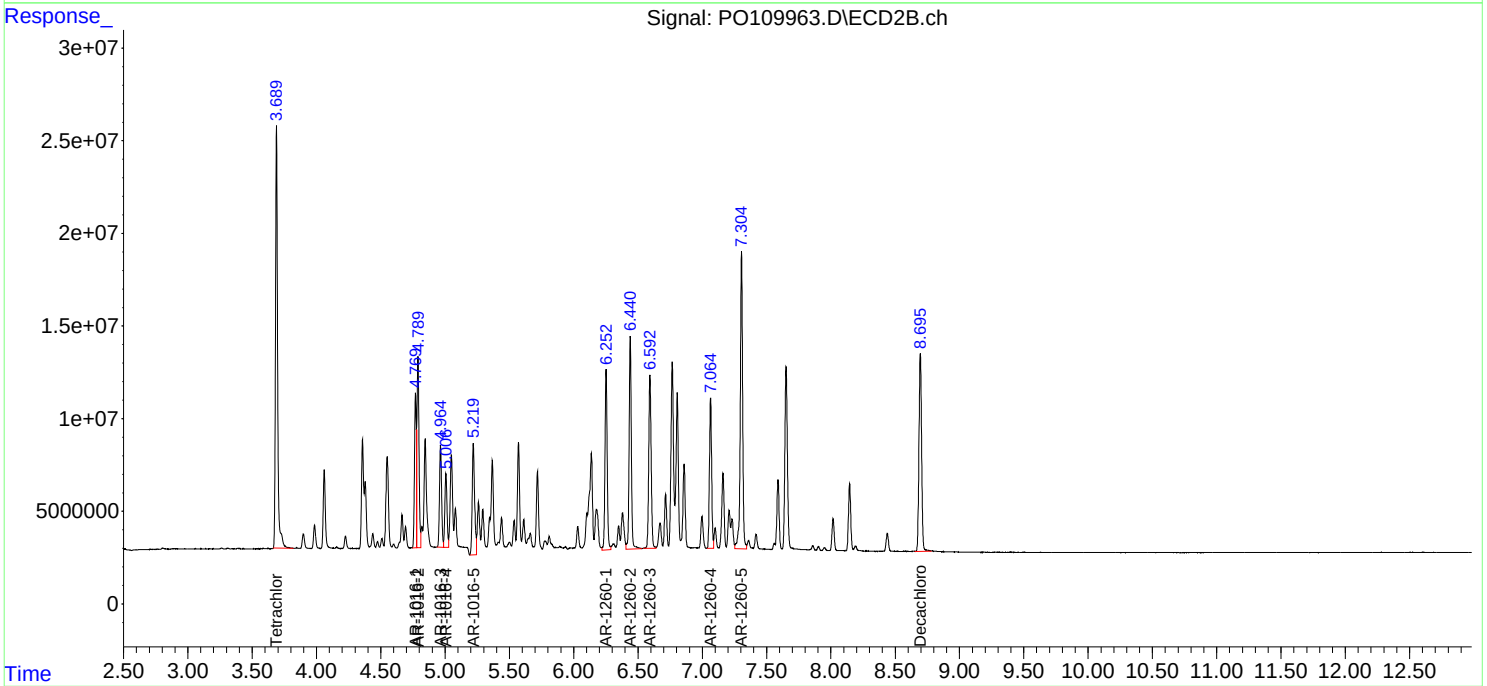
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:06
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 91 Sample Multiplier: 1

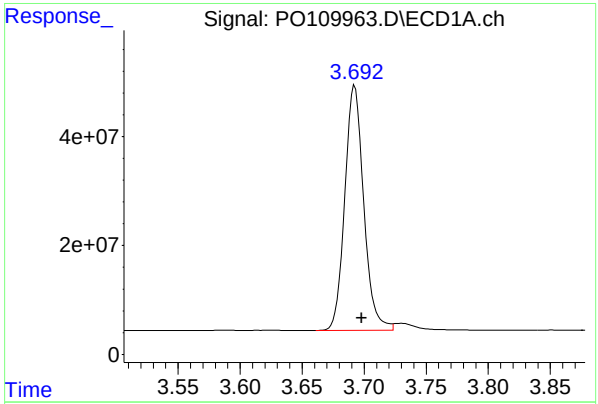
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



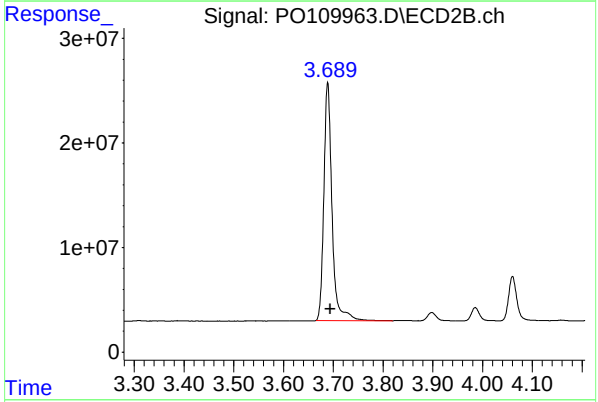




#1 Tetrachloro-m-xylene

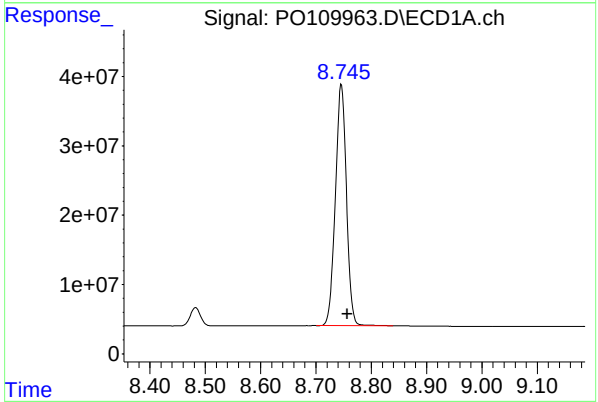
R.T.: 3.692 min
Delta R.T.: -0.006 min
Response: 476579654
Conc: 50.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



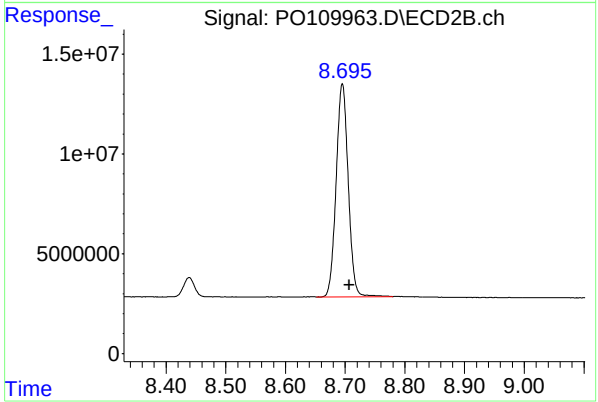
#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: -0.005 min
Response: 260939198
Conc: 49.85 ng/ml



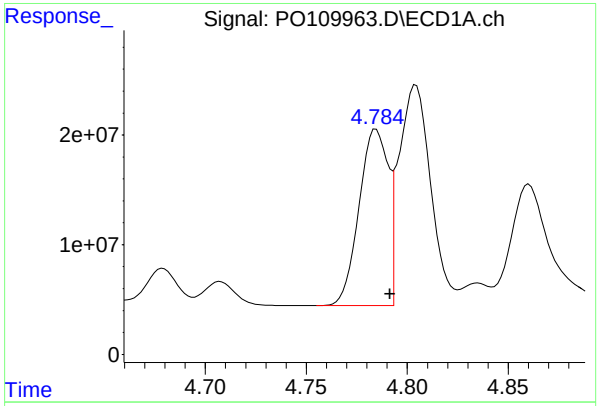
#2 Decachlorobiphenyl

R.T.: 8.746 min
Delta R.T.: -0.011 min
Response: 483879620
Conc: 56.25 ng/ml



#2 Decachlorobiphenyl

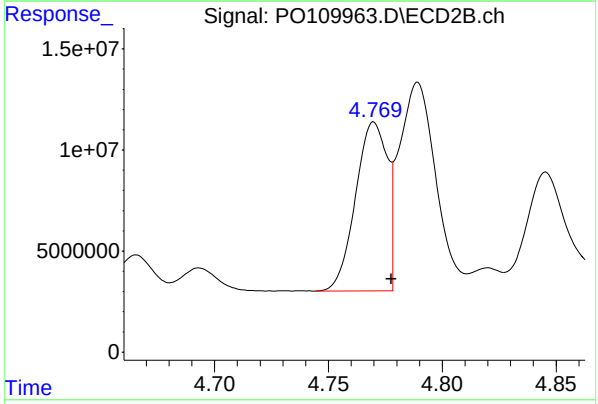
R.T.: 8.695 min
Delta R.T.: -0.012 min
Response: 150230904
Conc: 47.18 ng/ml



#3 AR-1016-1

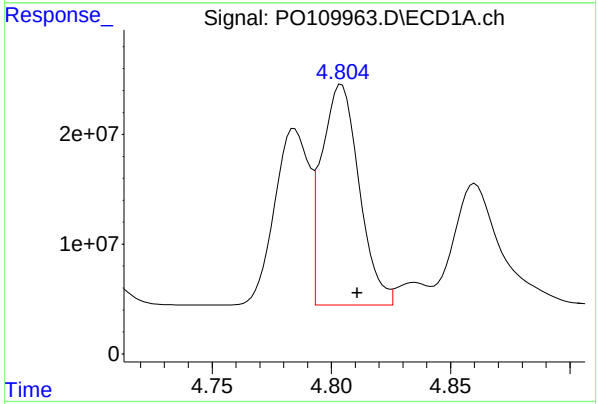
R.T.: 4.785 min
Delta R.T.: -0.007 min
Response: 161275097
Conc: 523.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



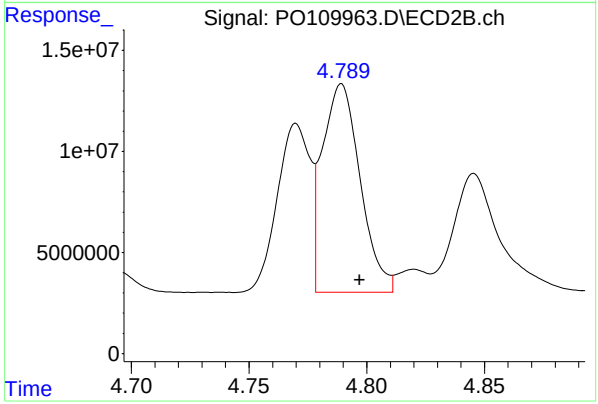
#3 AR-1016-1

R.T.: 4.770 min
Delta R.T.: -0.008 min
Response: 80830523
Conc: 517.58 ng/ml



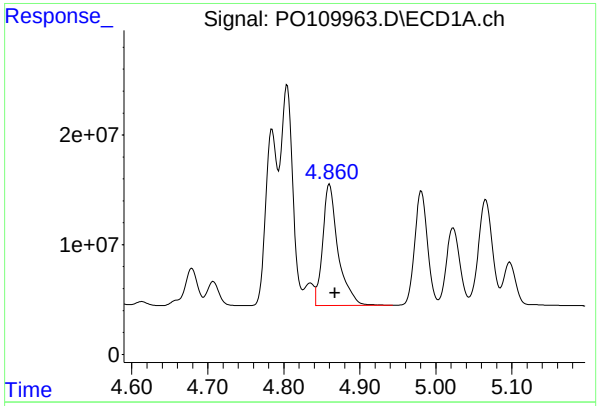
#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: -0.007 min
Response: 220408616
Conc: 523.50 ng/ml



#4 AR-1016-2

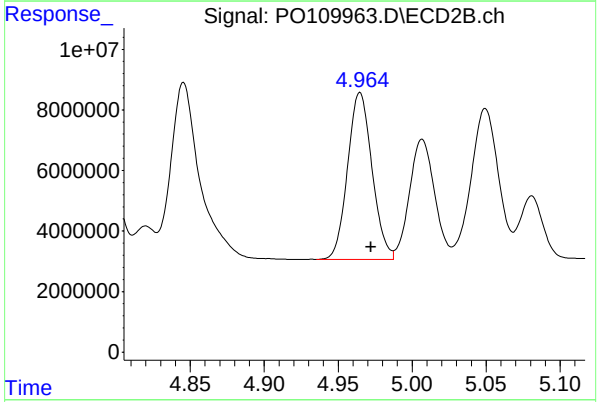
R.T.: 4.789 min
Delta R.T.: -0.008 min
Response: 115641672
Conc: 534.31 ng/ml



#5 AR-1016-3

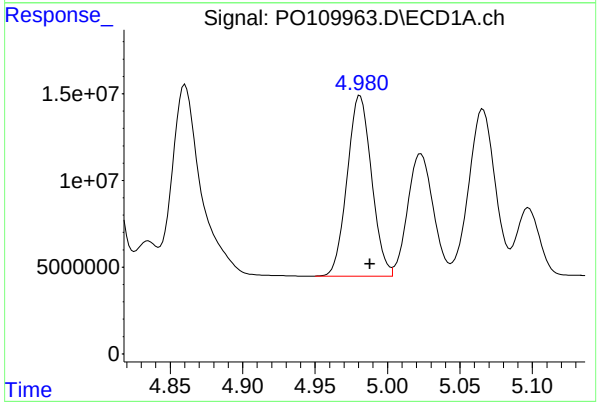
R.T.: 4.860 min
Delta R.T.: -0.007 min
Response: 155998918
Conc: 527.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



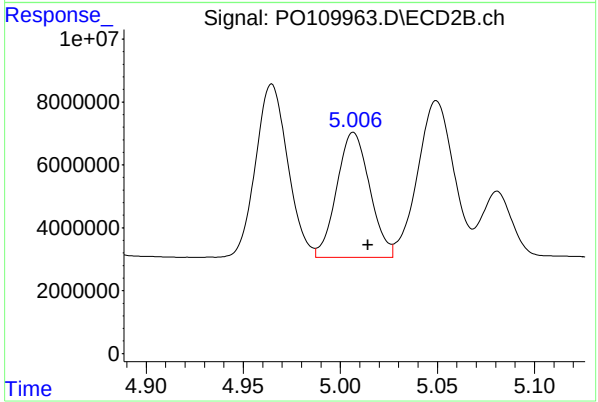
#5 AR-1016-3

R.T.: 4.965 min
Delta R.T.: -0.008 min
Response: 63345075
Conc: 530.30 ng/ml



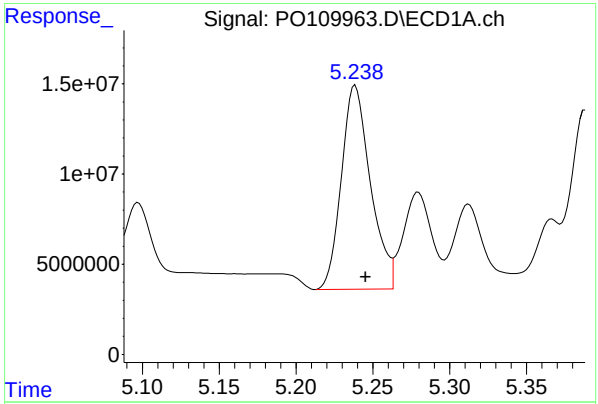
#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: -0.007 min
Response: 121981347
Conc: 526.28 ng/ml



#6 AR-1016-4

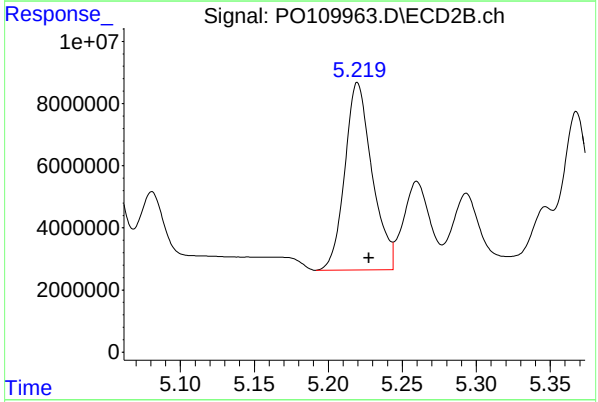
R.T.: 5.007 min
Delta R.T.: -0.008 min
Response: 46968374
Conc: 451.31 ng/ml



#7 AR-1016-5

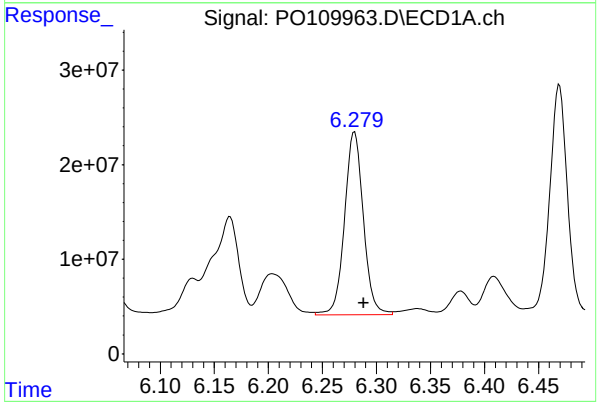
R.T.: 5.238 min
Delta R.T.: -0.007 min
Response: 148466844
Conc: 574.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



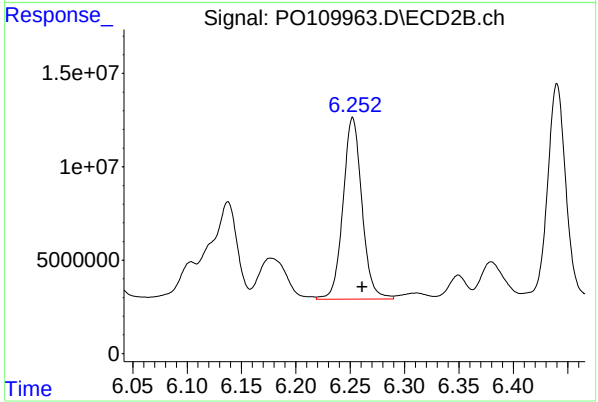
#7 AR-1016-5

R.T.: 5.220 min
Delta R.T.: -0.008 min
Response: 77565866
Conc: 569.28 ng/ml



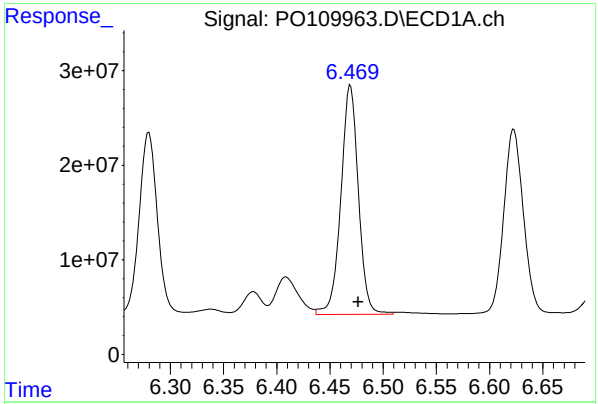
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: -0.009 min
Response: 234062923
Conc: 502.14 ng/ml



#31 AR-1260-1

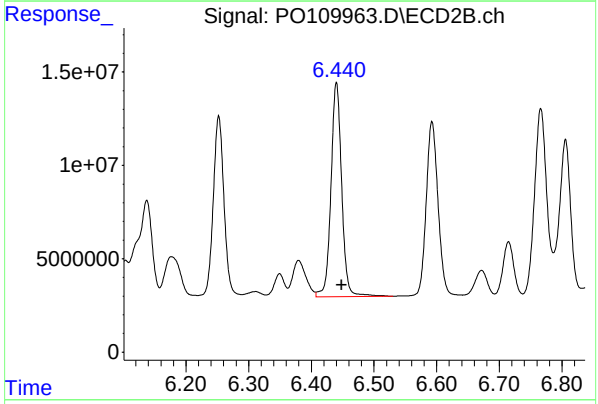
R.T.: 6.252 min
Delta R.T.: -0.009 min
Response: 117640658
Conc: 496.54 ng/ml



#32 AR-1260-2

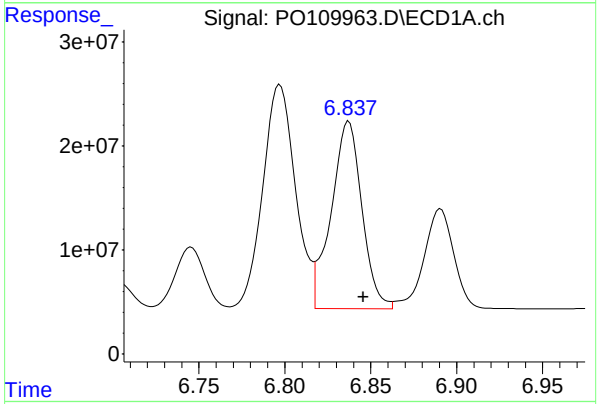
R.T.: 6.469 min
Delta R.T.: -0.007 min
Response: 277586234
Conc: 491.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



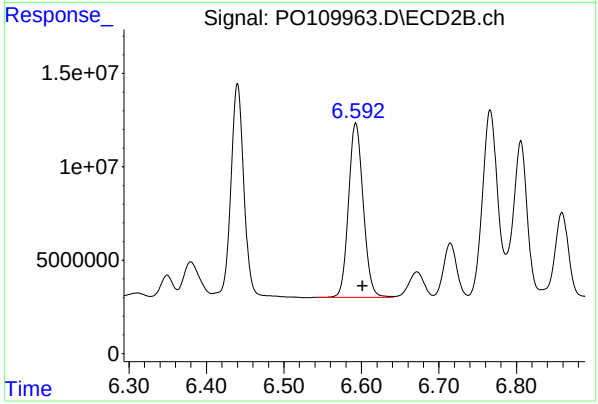
#32 AR-1260-2

R.T.: 6.440 min
Delta R.T.: -0.008 min
Response: 136669540
Conc: 496.67 ng/ml



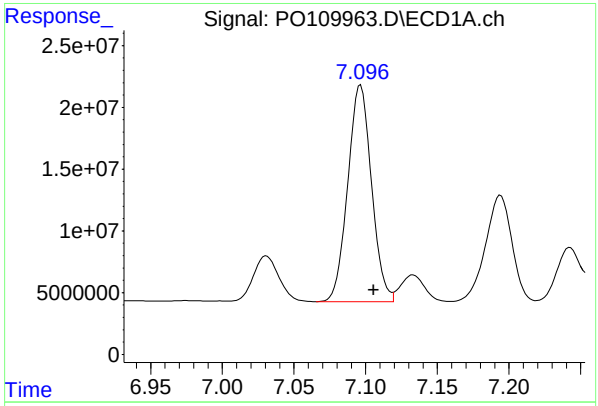
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: -0.008 min
Response: 224112393
Conc: 471.16 ng/ml



#33 AR-1260-3

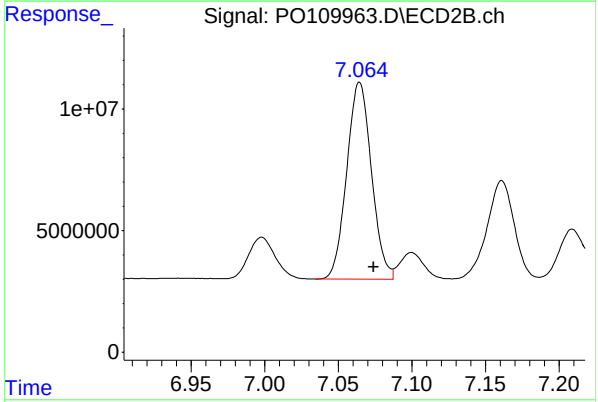
R.T.: 6.593 min
Delta R.T.: -0.009 min
Response: 122160250
Conc: 478.93 ng/ml



#34 AR-1260-4

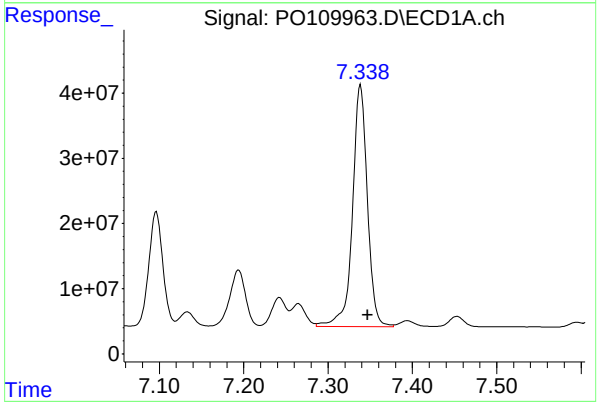
R.T.: 7.096 min
Delta R.T.: -0.009 min
Response: 201824549
Conc: 467.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



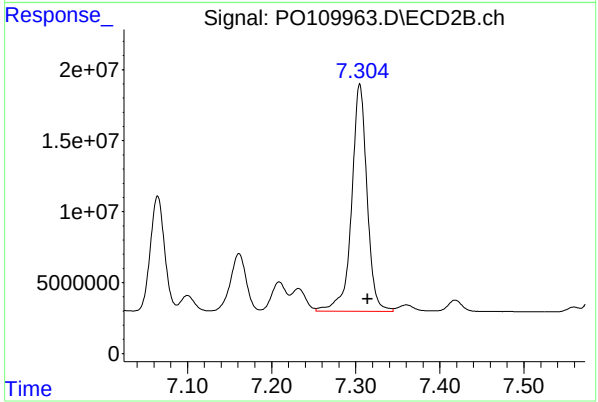
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.010 min
Response: 94731602
Conc: 459.43 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: -0.009 min
Response: 456514116
Conc: 459.32 ng/ml



#35 AR-1260-5

R.T.: 7.305 min
Delta R.T.: -0.009 min
Response: 204333986
Conc: 456.32 ng/ml

Raw Data: **PO109967.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.01
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.02

Raw Data: **PO109967.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL06 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109967.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.786	4.691	4.891	514.140	500.000	2.8
Aroclor-1016-2	4.805	4.711	4.911	521.930	500.000	4.4
Aroclor-1016-3	4.861	4.767	4.967	520.270	500.000	4.1
Aroclor-1016-4	4.982	4.888	5.088	520.030	500.000	4.0
Aroclor-1016-5	5.238	5.145	5.345	485.360	500.000	-2.9
Aroclor-1260-1	6.280	6.188	6.388	504.730	500.000	0.9
Aroclor-1260-2	6.469	6.377	6.577	490.500	500.000	-1.9
Aroclor-1260-3	6.837	6.746	6.946	467.590	500.000	-6.5
Aroclor-1260-4	7.098	7.005	7.205	462.440	500.000	-7.5
Aroclor-1260-5	7.339	7.247	7.447	451.050	500.000	-9.8
Decachlorobiphenyl	8.745	8.657	8.857	55.270	50.000	10.5
Tetrachloro-m-xylene	3.694	3.598	3.798	49.050	50.000	-1.9

Raw Data: **PO109967.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL06 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109967.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.678	4.878	512.570	500.000	2.5
Aroclor-1016-2	4.791	4.697	4.897	521.810	500.000	4.4
Aroclor-1016-3	4.967	4.872	5.072	520.010	500.000	4.0
Aroclor-1016-4	5.009	4.914	5.114	434.900	500.000	-13.0
Aroclor-1016-5	5.221	5.127	5.327	497.400	500.000	-0.5
Aroclor-1260-1	6.253	6.161	6.361	495.220	500.000	-1.0
Aroclor-1260-2	6.441	6.348	6.548	496.330	500.000	-0.7
Aroclor-1260-3	6.594	6.502	6.702	477.760	500.000	-4.4
Aroclor-1260-4	7.065	6.974	7.174	460.820	500.000	-7.8
Aroclor-1260-5	7.307	7.214	7.414	459.540	500.000	-8.1
Decachlorobiphenyl	8.696	8.607	8.807	50.290	50.000	0.6
Tetrachloro-m-xylene	3.691	3.594	3.794	49.100	50.000	-1.8

Sample Results: **PO109967.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:55
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 91 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.694	3.691	464.3E6	257.0E6	49.052	49.097
2) SA	Decachlor...	8.745	8.696	475.4E6	160.1E6	55.267	50.288
	Target Compounds						
3) L1	AR-1016-1	4.786	4.772	158.5E6	80048018	514.143	512.568
4) L1	AR-1016-2	4.805	4.791	219.7E6	112.9E6	521.925	521.808
5) L1	AR-1016-3	4.861	4.967	153.9E6	62115854	520.265	520.010
6) L1	AR-1016-4	4.982	5.009	120.5E6	45260742	520.031	434.904
7) L1	AR-1016-5	5.238	5.221	125.3E6	67772926	485.363m	497.403m
31) L7	AR-1260-1	6.280	6.253	235.3E6	117.3E6	504.726	495.216
32) L7	AR-1260-2	6.469	6.441	277.2E6	136.6E6	490.498	496.331
33) L7	AR-1260-3	6.837	6.594	222.4E6	121.9E6	467.587	477.756
34) L7	AR-1260-4	7.098	7.065	199.6E6	95017260	462.441	460.819
35) L7	AR-1260-5	7.339	7.307	448.3E6	205.8E6	451.051	459.540

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PO109967.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:55
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 91 Sample Multiplier: 1

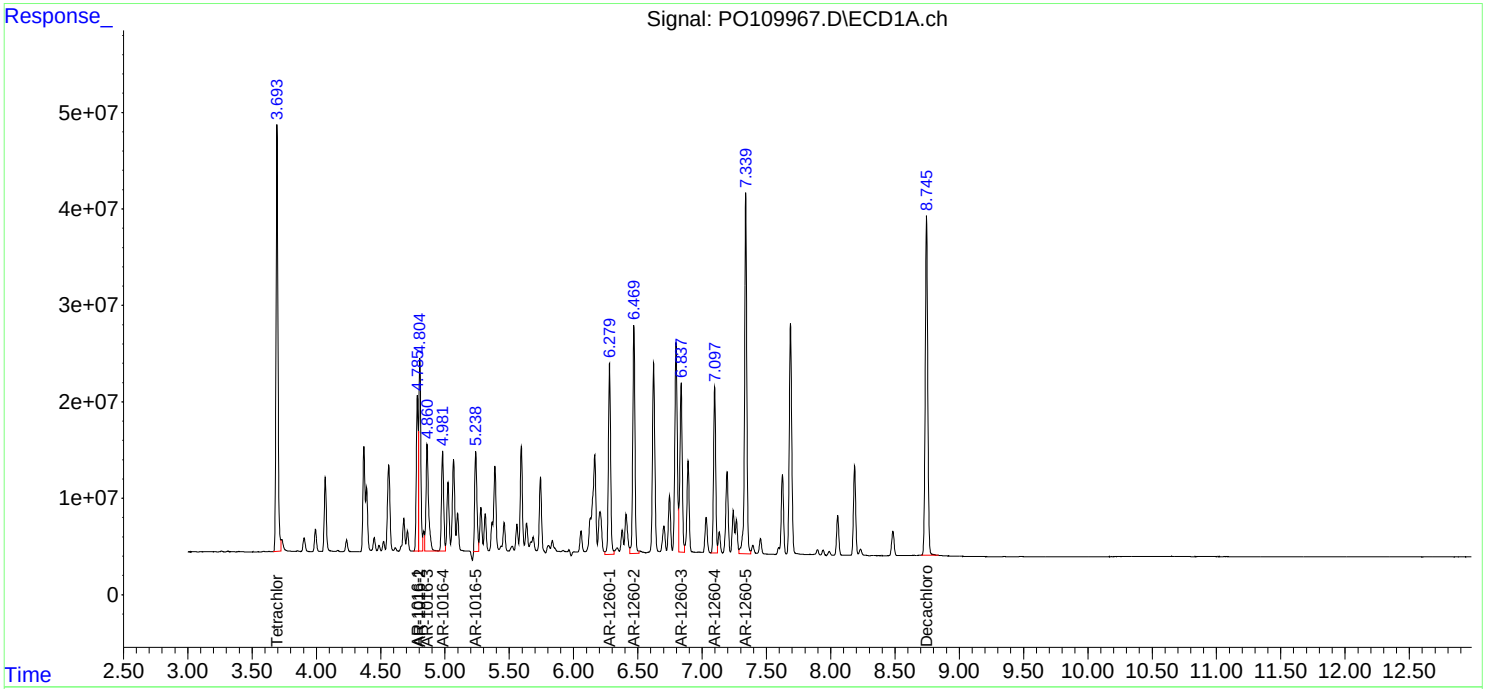
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

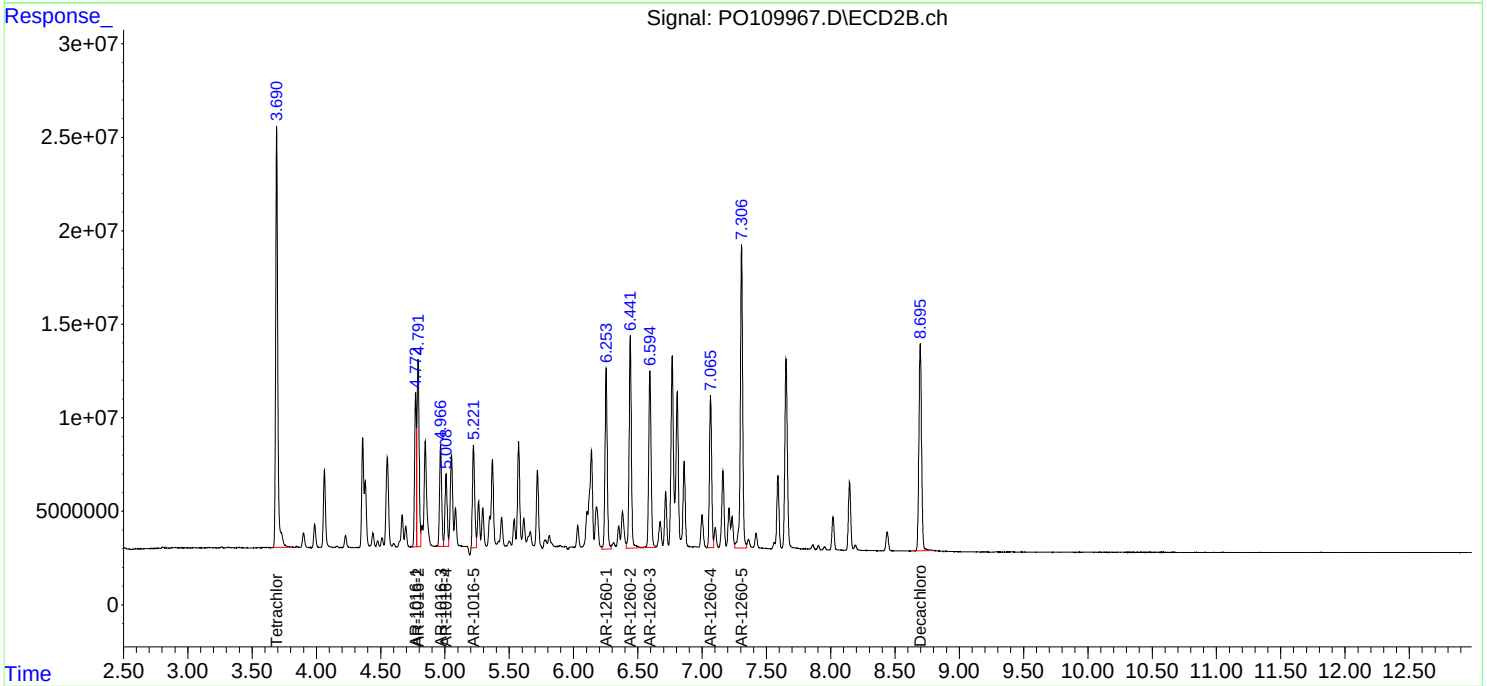
Manual Integrations APPROVED

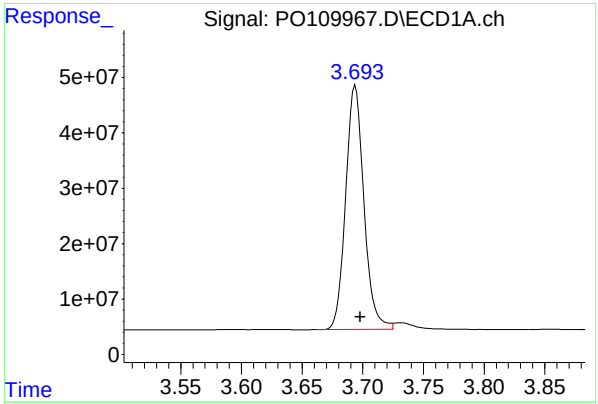
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







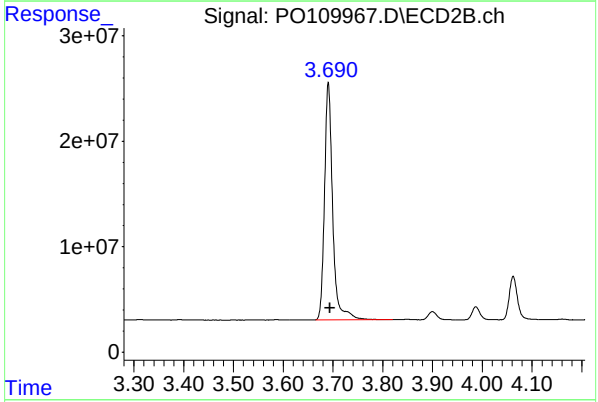
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: -0.004 min
Response: 464280370
Conc: 49.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

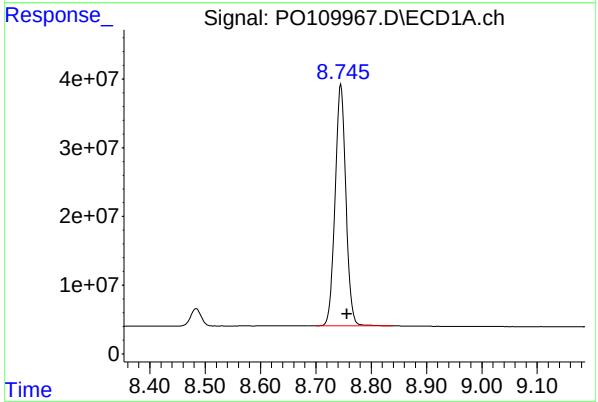
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



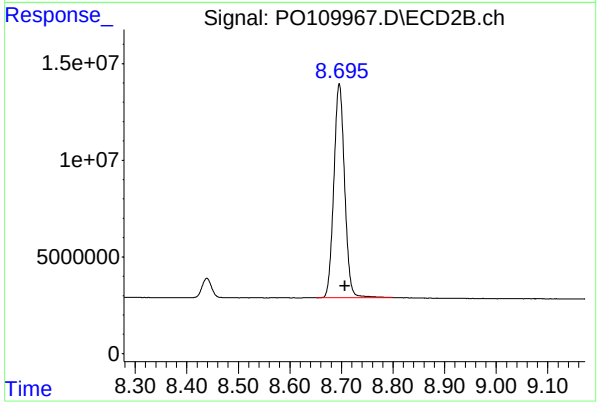
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 256986183
Conc: 49.10 ng/ml



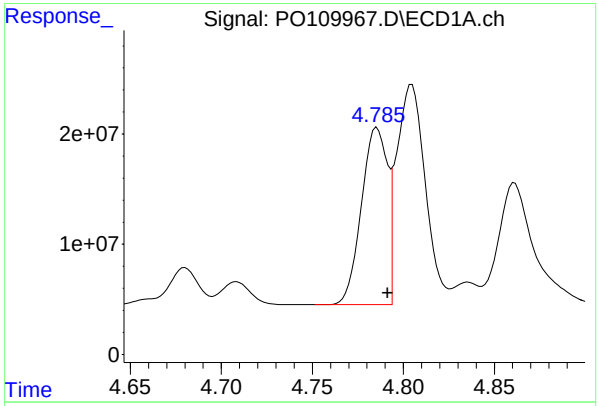
#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: -0.011 min
Response: 475397391
Conc: 55.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: -0.011 min
Response: 160129131
Conc: 50.29 ng/ml



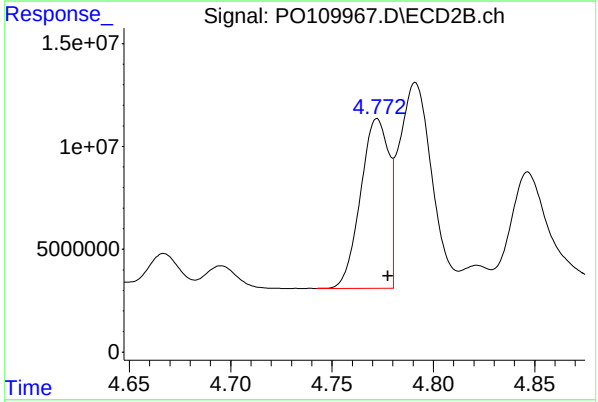
#3 AR-1016-1

R.T.: 4.786 min
Delta R.T.: -0.006 min
Response: 158505192
Conc: 514.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

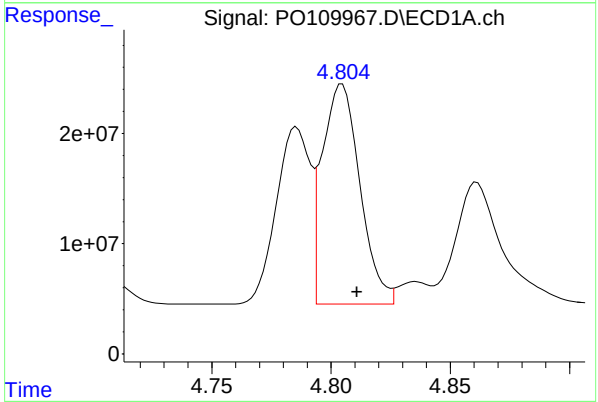
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



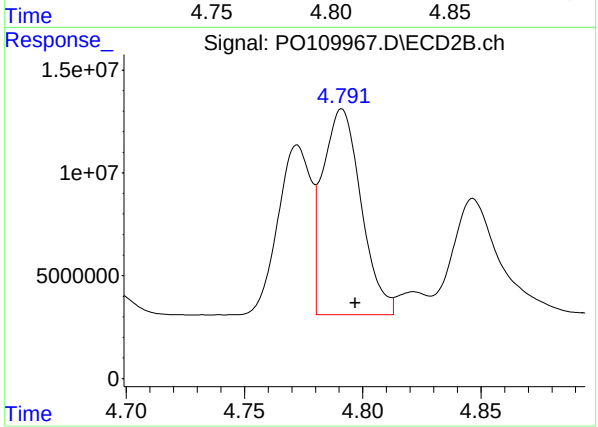
#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: -0.005 min
Response: 80048018
Conc: 512.57 ng/ml



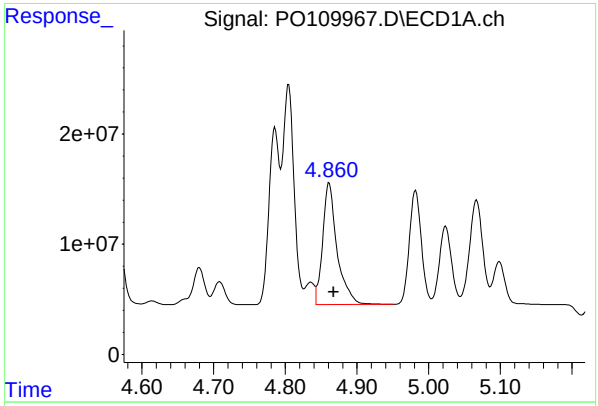
#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: -0.006 min
Response: 219744363
Conc: 521.93 ng/ml



#4 AR-1016-2

R.T.: 4.791 min
Delta R.T.: -0.006 min
Response: 112936863
Conc: 521.81 ng/ml



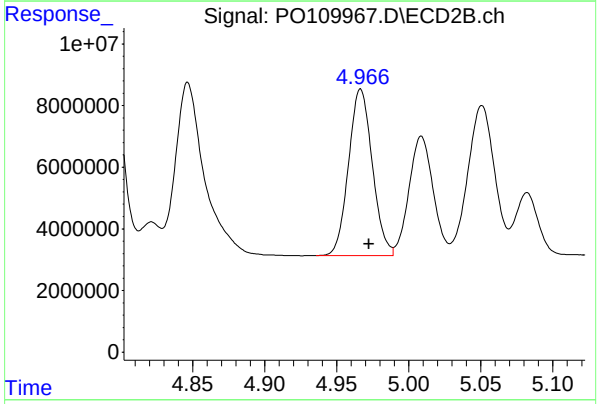
#5 AR-1016-3

R.T.: 4.861 min
Delta R.T.: -0.006 min
Response: 153903300
Conc: 520.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

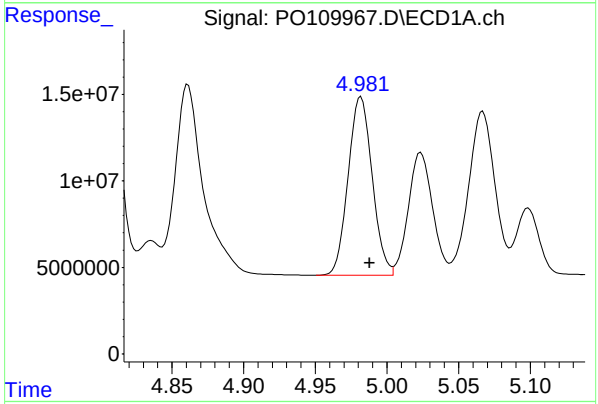
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



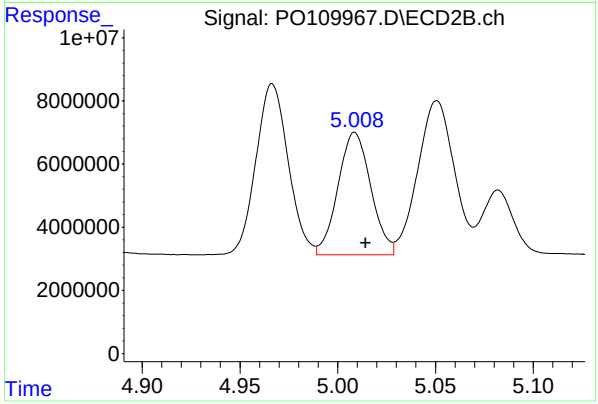
#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: -0.006 min
Response: 62115854
Conc: 520.01 ng/ml



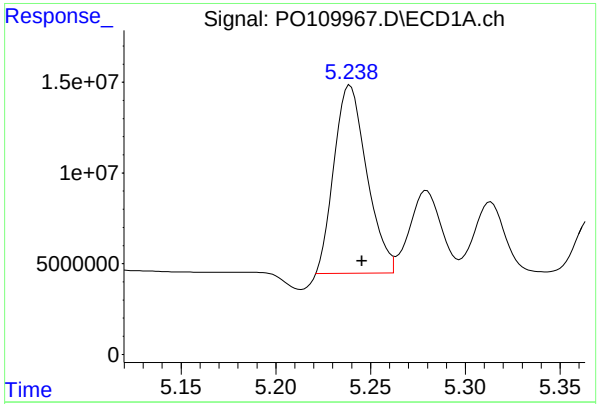
#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: -0.006 min
Response: 120532767
Conc: 520.03 ng/ml



#6 AR-1016-4

R.T.: 5.009 min
Delta R.T.: -0.006 min
Response: 45260742
Conc: 434.90 ng/ml



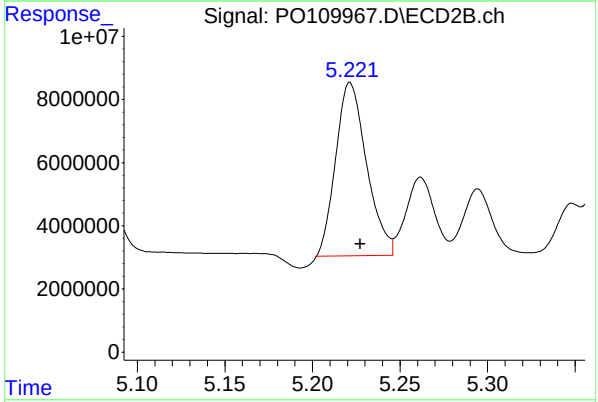
#7 AR-1016-5

R.T.: 5.238 min
Delta R.T.: -0.007 min
Response: 125335189
Conc: 485.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

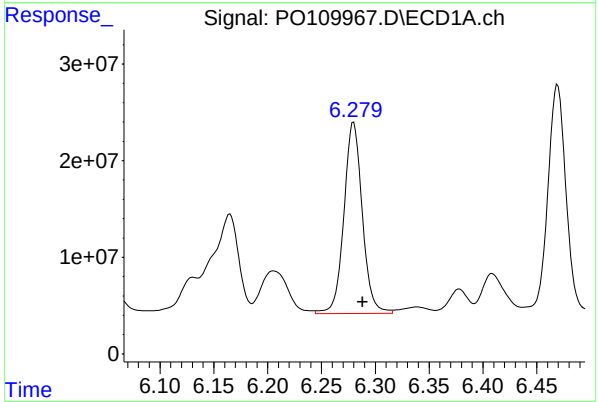
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



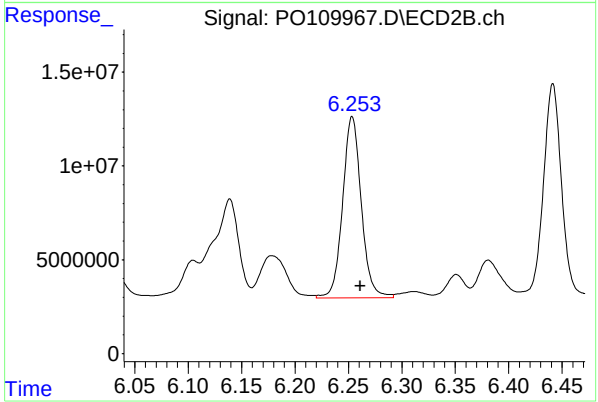
#7 AR-1016-5

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 67772926
Conc: 497.40 ng/ml m



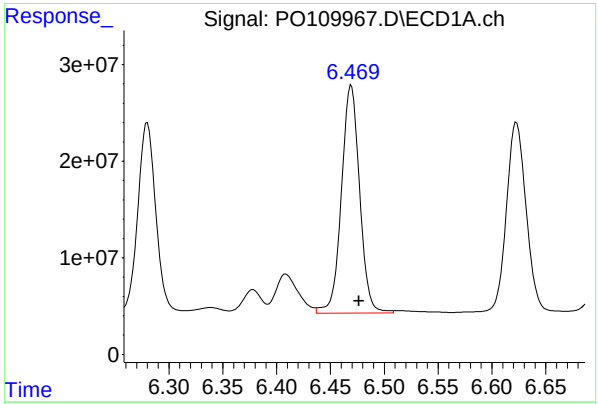
#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: -0.009 min
Response: 235268420
Conc: 504.73 ng/ml



#31 AR-1260-1

R.T.: 6.253 min
Delta R.T.: -0.007 min
Response: 117326318
Conc: 495.22 ng/ml



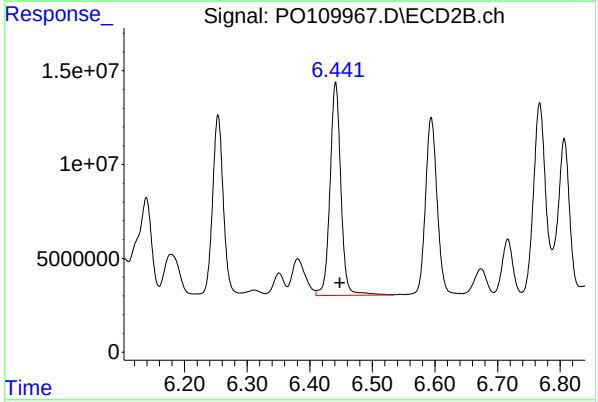
#32 AR-1260-2

R.T.: 6.469 min
Delta R.T.: -0.007 min
Response: 277189309
Conc: 490.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

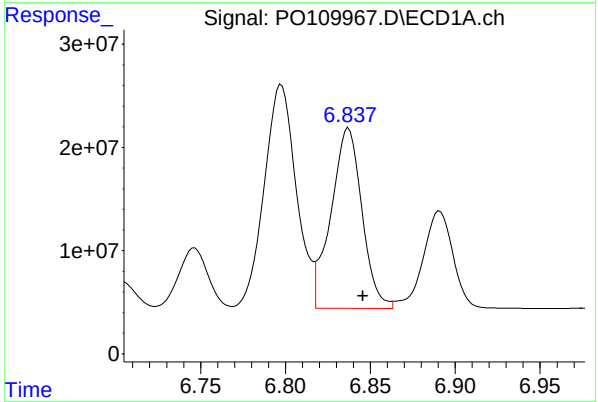
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



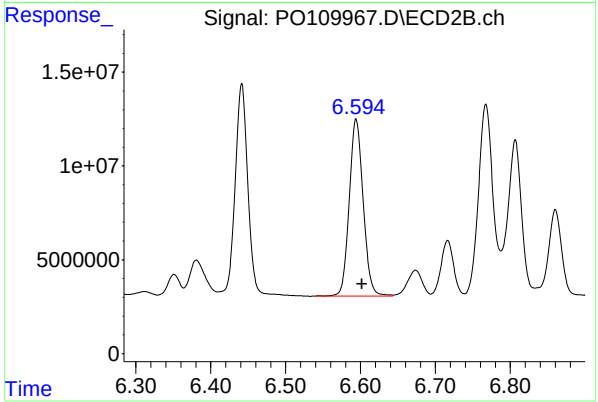
#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.007 min
Response: 136576041
Conc: 496.33 ng/ml



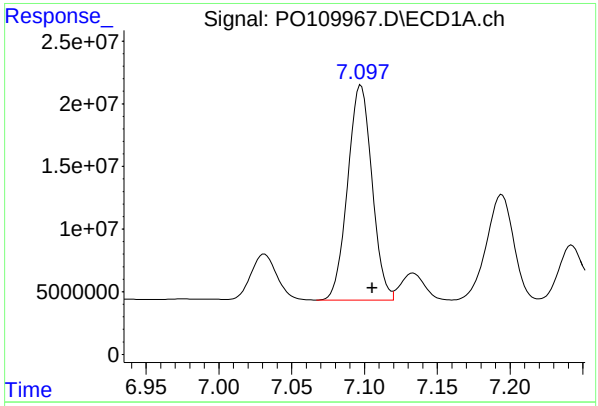
#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: -0.009 min
Response: 222412832
Conc: 467.59 ng/ml



#33 AR-1260-3

R.T.: 6.594 min
Delta R.T.: -0.008 min
Response: 121861358
Conc: 477.76 ng/ml



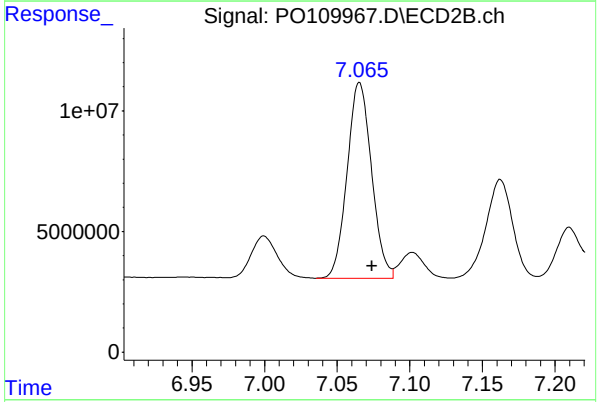
#34 AR-1260-4

R.T.: 7.098 min
Delta R.T.: -0.008 min
Response: 199589871
Conc: 462.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

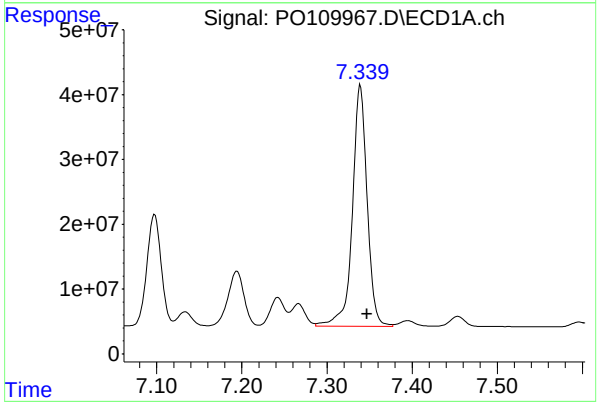
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



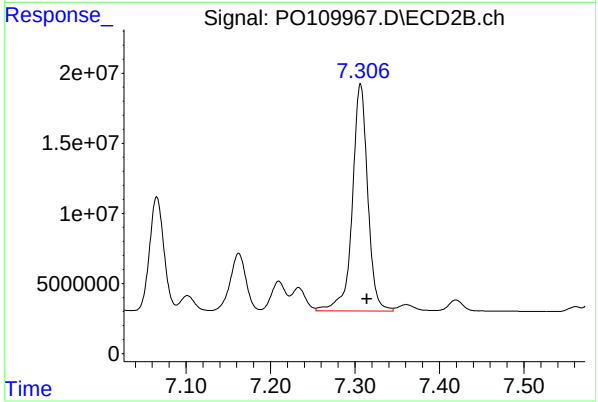
#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.009 min
Response: 95017260
Conc: 460.82 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: -0.008 min
Response: 448291189
Conc: 451.05 ng/ml



#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: -0.008 min
Response: 205774216
Conc: 459.54 ng/ml

Raw Data: **PP070543.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 21:15 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.52	4.42	4.62	-0.01
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

Raw Data: **PP070543.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 21:15 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL07 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070543.D **Time Analyzed:** 21:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.577	5.777	443.660	500.000	-11.3
Aroclor-1016-2	5.698	5.599	5.799	480.930	500.000	-3.8
Aroclor-1016-3	5.760	5.661	5.861	466.910	500.000	-6.6
Aroclor-1016-4	5.858	5.758	5.958	456.460	500.000	-8.7
Aroclor-1016-5	6.150	6.051	6.251	453.110	500.000	-9.4
Aroclor-1260-1	7.269	7.171	7.371	470.290	500.000	-5.9
Aroclor-1260-2	7.523	7.425	7.625	461.520	500.000	-7.7
Aroclor-1260-3	7.881	7.783	7.983	466.760	500.000	-6.6
Aroclor-1260-4	8.105	8.008	8.208	454.640	500.000	-9.1
Aroclor-1260-5	8.425	8.328	8.528	467.430	500.000	-6.5
Decachlorobiphenyl	10.243	10.152	10.352	46.560	50.000	-6.9
Tetrachloro-m-xylene	4.525	4.424	4.624	46.830	50.000	-6.3

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL07 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070543.D **Time Analyzed:** 21:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	467.760	500.000	-6.4
Aroclor-1016-2	4.932	4.836	5.036	453.880	500.000	-9.2
Aroclor-1016-3	5.108	5.013	5.213	459.150	500.000	-8.2
Aroclor-1016-4	5.150	5.054	5.254	462.340	500.000	-7.5
Aroclor-1016-5	5.365	5.270	5.470	472.460	500.000	-5.5
Aroclor-1260-1	6.401	6.307	6.507	458.750	500.000	-8.3
Aroclor-1260-2	6.589	6.495	6.695	458.120	500.000	-8.4
Aroclor-1260-3	6.743	6.649	6.849	450.000	500.000	-10.0
Aroclor-1260-4	7.215	7.121	7.321	441.280	500.000	-11.7
Aroclor-1260-5	7.456	7.362	7.562	440.290	500.000	-11.9
Decachlorobiphenyl	8.871	8.781	8.981	41.930	50.000	-16.1
Tetrachloro-m-xylene	3.826	3.729	3.929	48.070	50.000	-3.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 21:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 23:47:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.826	72837798	48174998	46.830	48.065
2)	SA Decachlor...	10.243	8.871	49463610	41021745	46.561	41.929
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.912	23004433	16817234	443.662	467.762
4)	L1 AR-1016-2	5.698	4.932	34407759	23586690	480.926	453.881
5)	L1 AR-1016-3	5.760	5.108	21262090	13064494	466.909	459.154
6)	L1 AR-1016-4	5.858	5.150	17819012	10351658	456.456	462.336
7)	L1 AR-1016-5	6.150	5.365	15687675	14041040	453.113	472.462
31)	L7 AR-1260-1	7.269	6.401	27624243	22838490	470.294	458.748
32)	L7 AR-1260-2	7.523	6.589	37864401	30275766	461.519	458.116
33)	L7 AR-1260-3	7.881	6.743	30692750	25738947	466.755	450.002
34)	L7 AR-1260-4	8.105	7.215	29707435	22577196	454.640	441.275
35)	L7 AR-1260-5	8.425	7.456	63887192	56703176	467.430	440.292

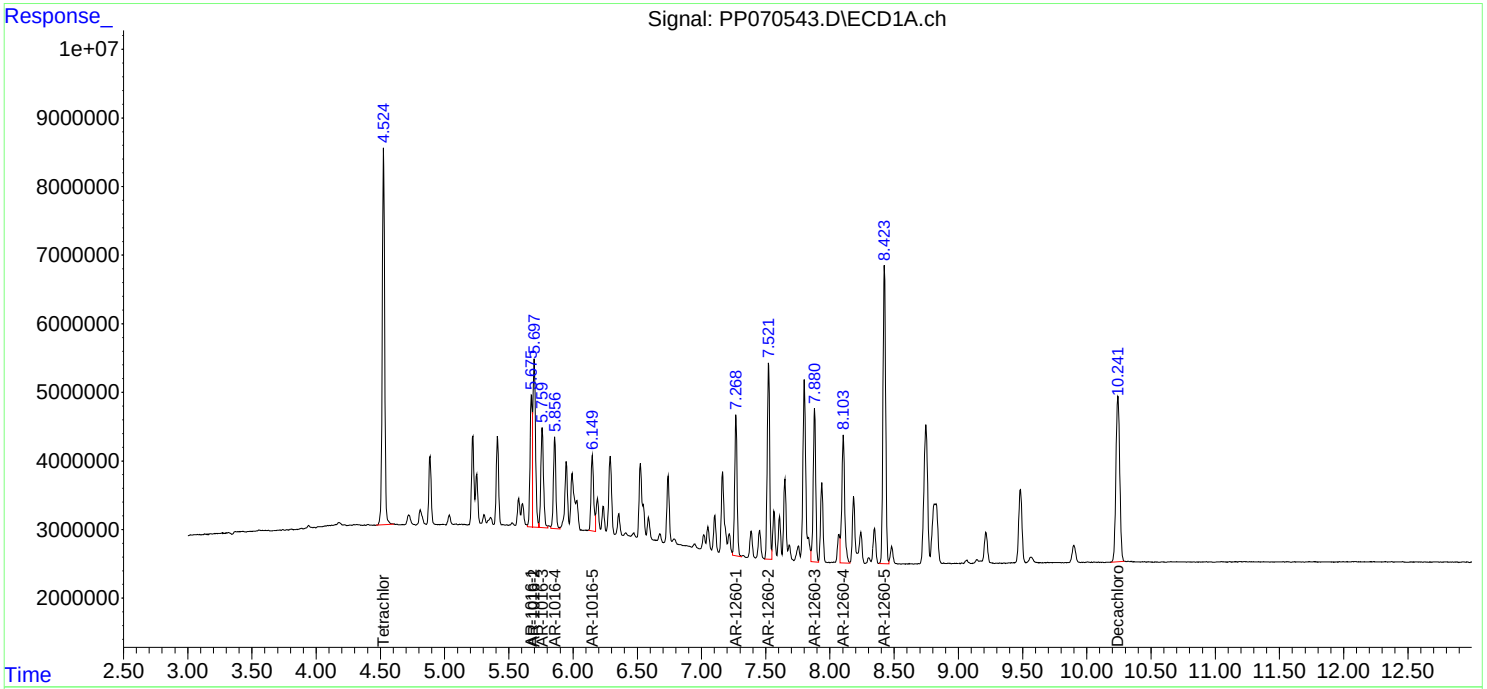
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

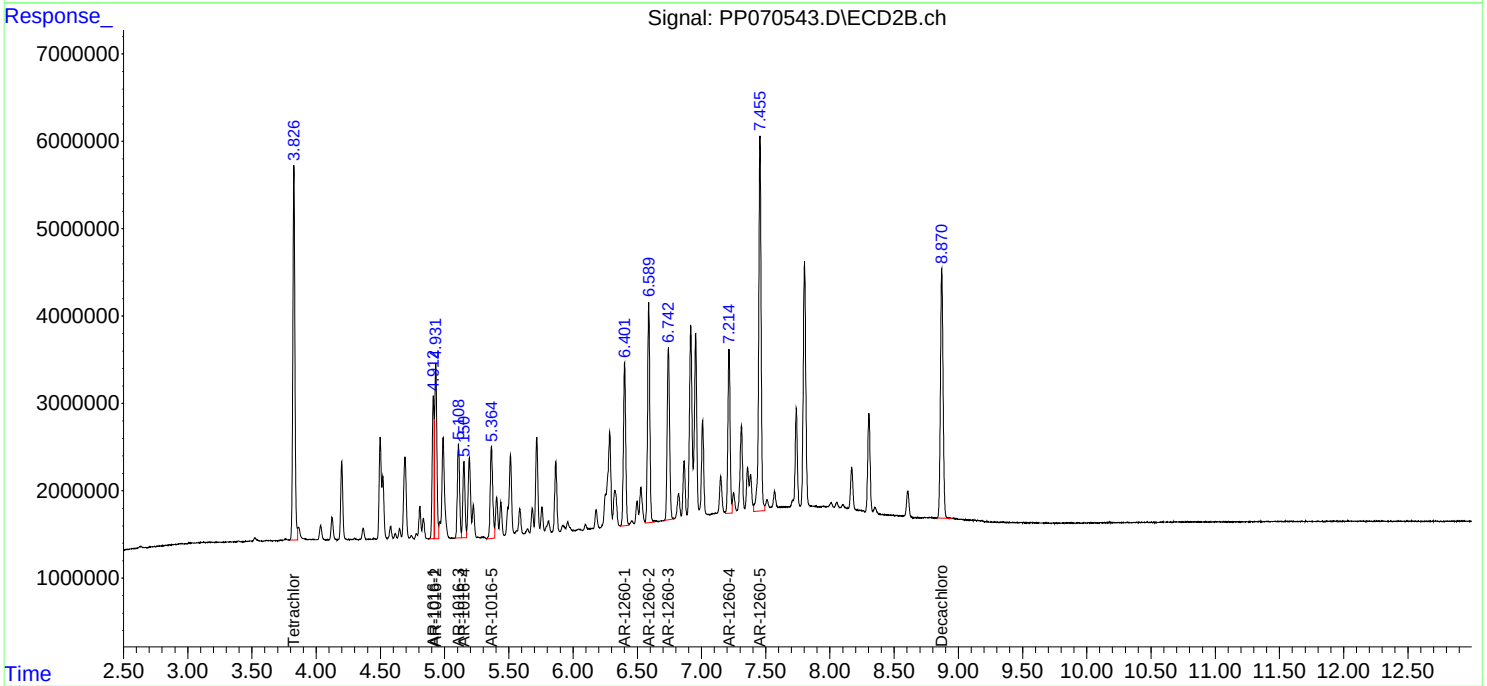
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 21:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

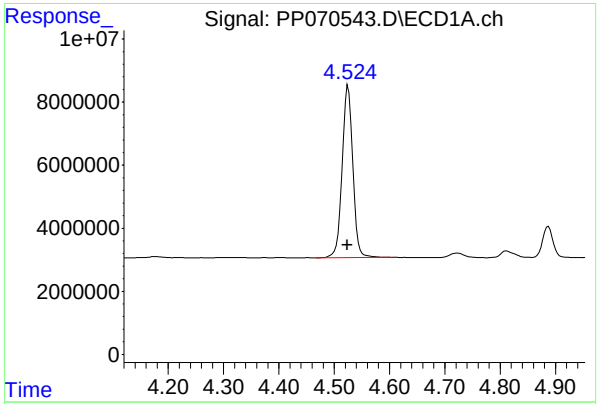
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 23:47:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



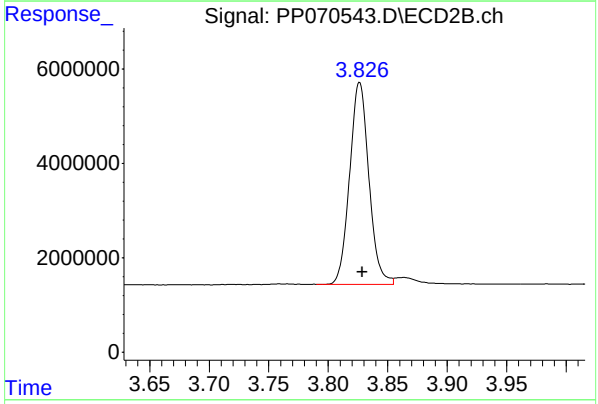




#1 Tetrachloro-m-xylene

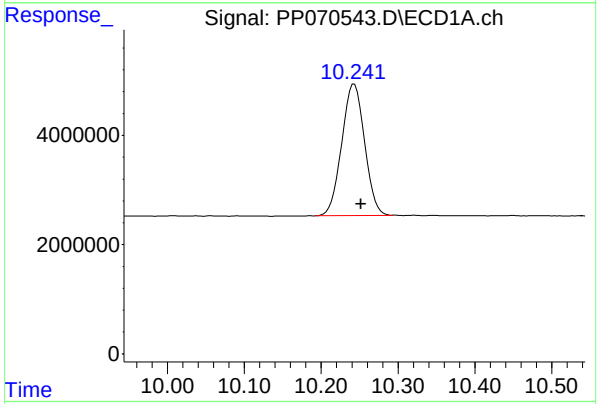
R.T.: 4.525 min
Delta R.T.: 0.001 min
Response: 72837798
Conc: 46.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



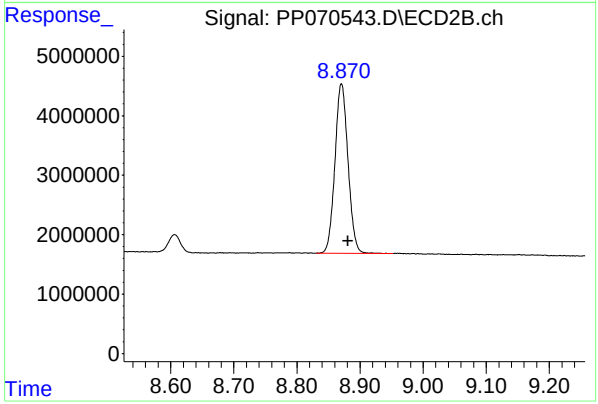
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 48174998
Conc: 48.07 ng/ml



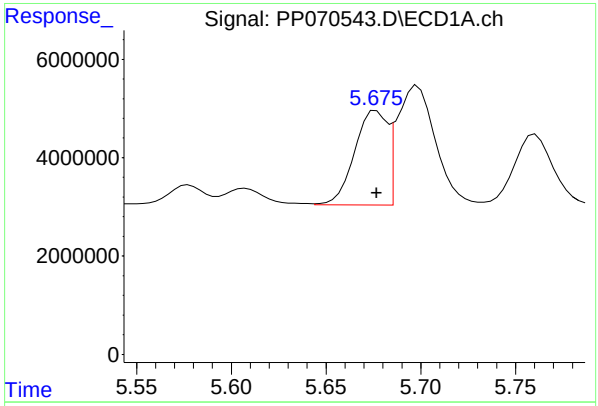
#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 49463610
Conc: 46.56 ng/ml



#2 Decachlorobiphenyl

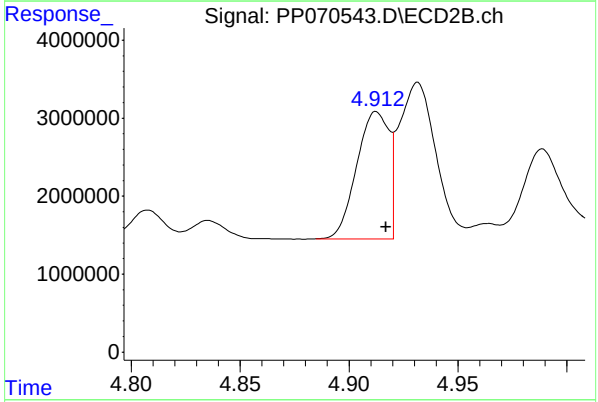
R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 41021745
Conc: 41.93 ng/ml



#3 AR-1016-1

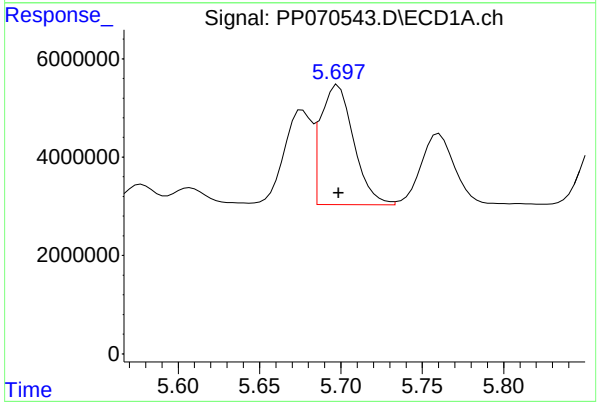
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 23004433
Conc: 443.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



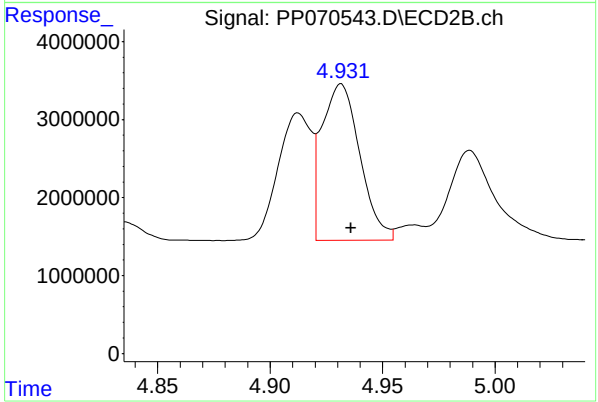
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.004 min
Response: 16817234
Conc: 467.76 ng/ml



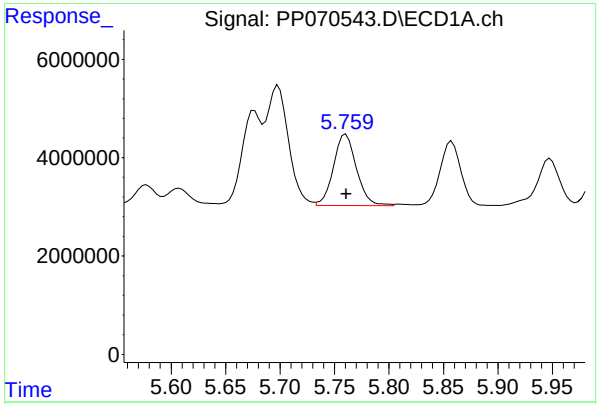
#4 AR-1016-2

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 34407759
Conc: 480.93 ng/ml



#4 AR-1016-2

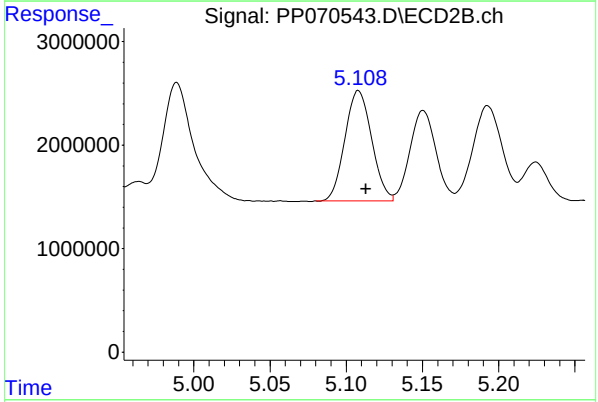
R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 23586690
Conc: 453.88 ng/ml



#5 AR-1016-3

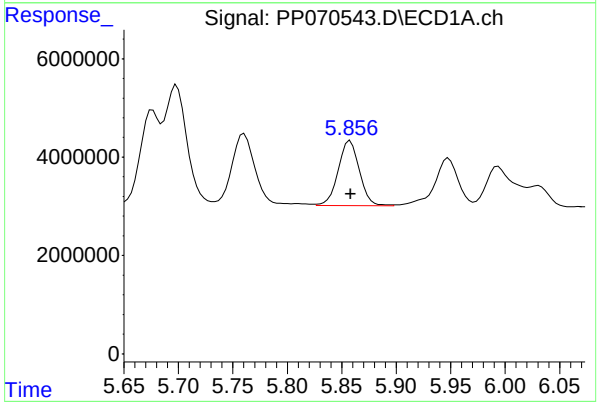
R.T.: 5.760 min
Delta R.T.: 0.000 min
Response: 21262090
Conc: 466.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



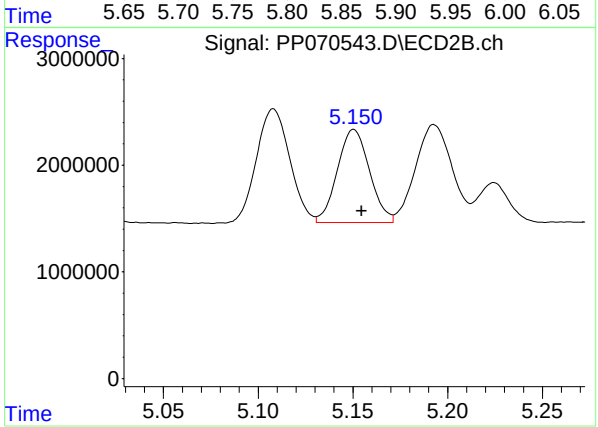
#5 AR-1016-3

R.T.: 5.108 min
Delta R.T.: -0.005 min
Response: 13064494
Conc: 459.15 ng/ml



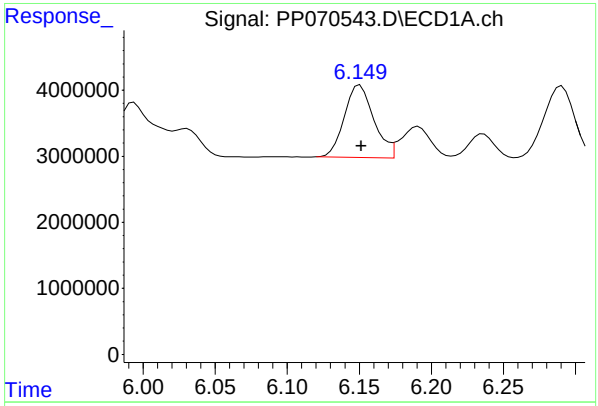
#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 17819012
Conc: 456.46 ng/ml



#6 AR-1016-4

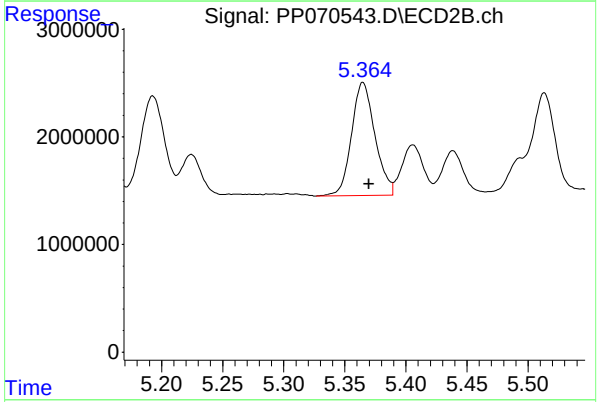
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 10351658
Conc: 462.34 ng/ml



#7 AR-1016-5

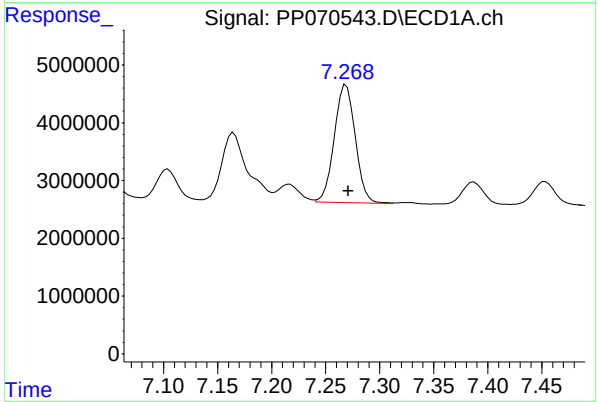
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 15687675
Conc: 453.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



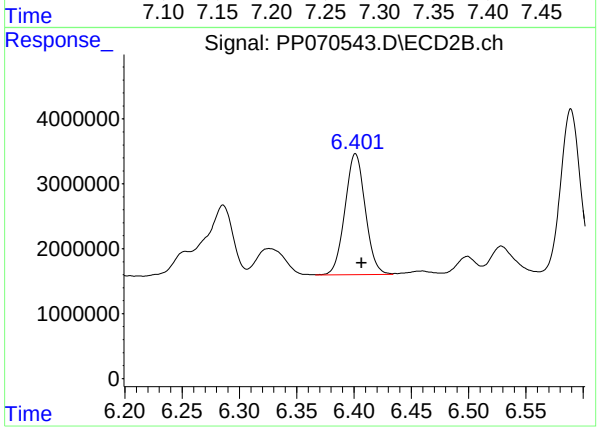
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 14041040
Conc: 472.46 ng/ml



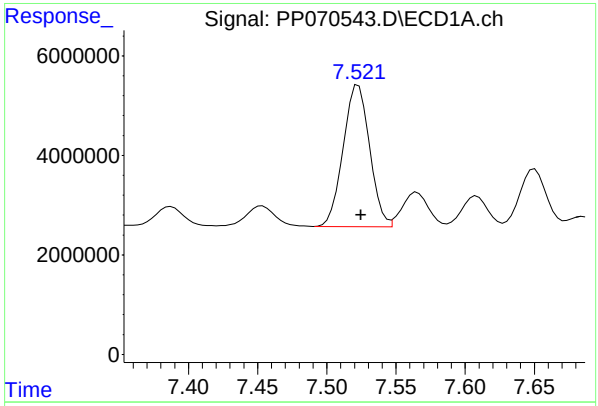
#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.002 min
Response: 27624243
Conc: 470.29 ng/ml



#31 AR-1260-1

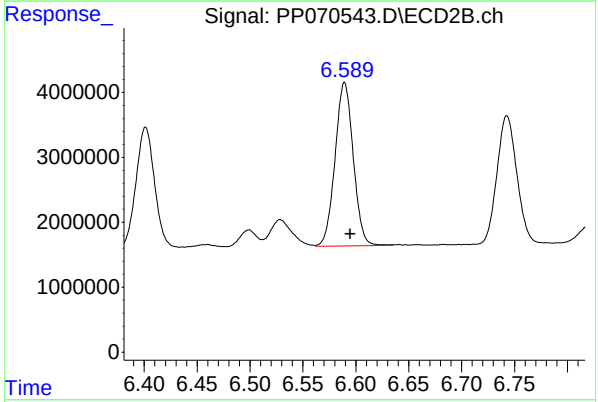
R.T.: 6.401 min
Delta R.T.: -0.005 min
Response: 22838490
Conc: 458.75 ng/ml



#32 AR-1260-2

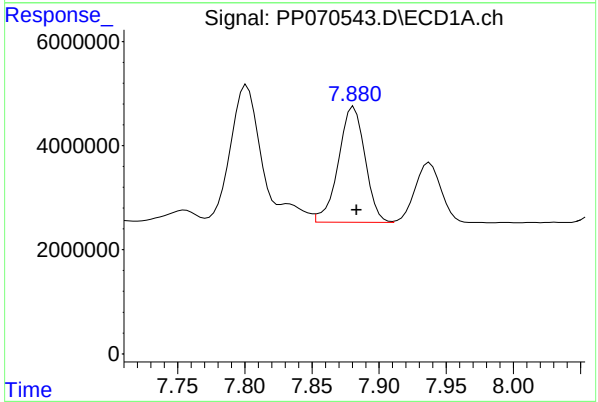
R.T.: 7.523 min
Delta R.T.: -0.002 min
Response: 37864401
Conc: 461.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



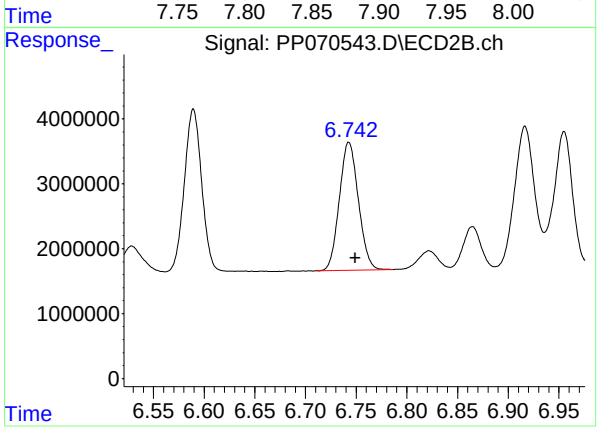
#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 30275766
Conc: 458.12 ng/ml



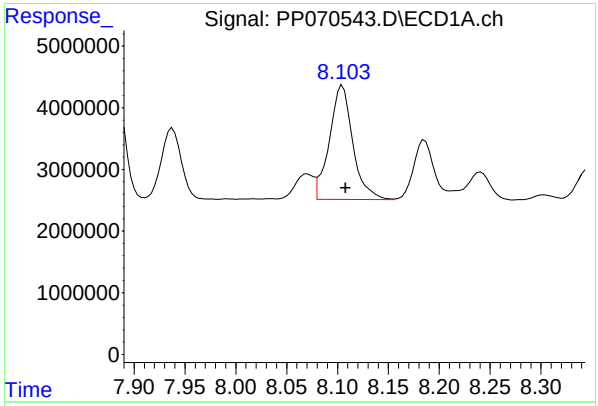
#33 AR-1260-3

R.T.: 7.881 min
Delta R.T.: -0.002 min
Response: 30692750
Conc: 466.76 ng/ml



#33 AR-1260-3

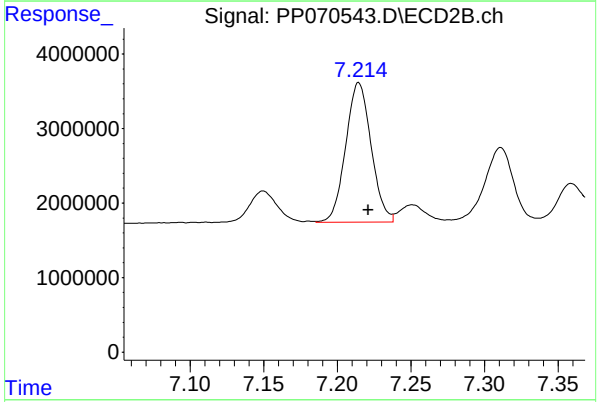
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 25738947
Conc: 450.00 ng/ml



#34 AR-1260-4

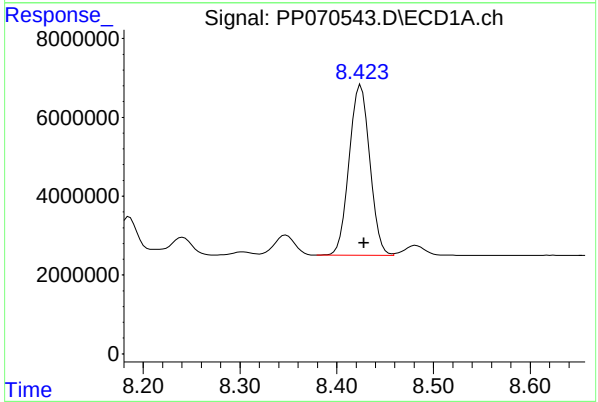
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 29707435
Conc: 454.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



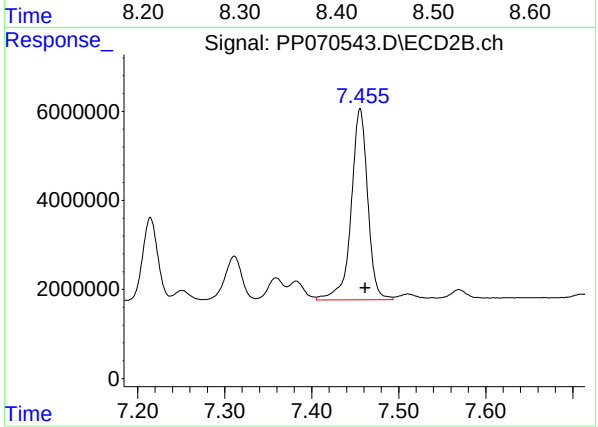
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.007 min
Response: 22577196
Conc: 441.28 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 63887192
Conc: 467.43 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 56703176
Conc: 440.29 ng/ml

Raw Data: **PP070558.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 01:51 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

Raw Data: **PP070558.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 01:51 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL08 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070558.D **Time Analyzed:** 01:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.675	5.577	5.777	457.150	500.000	-8.6
Aroclor-1016-2	5.697	5.599	5.799	495.200	500.000	-1.0
Aroclor-1016-3	5.759	5.661	5.861	478.090	500.000	-4.4
Aroclor-1016-4	5.856	5.758	5.958	468.080	500.000	-6.4
Aroclor-1016-5	6.149	6.051	6.251	469.590	500.000	-6.1
Aroclor-1260-1	7.267	7.171	7.371	498.380	500.000	-0.3
Aroclor-1260-2	7.520	7.425	7.625	477.820	500.000	-4.4
Aroclor-1260-3	7.879	7.783	7.983	476.270	500.000	-4.7
Aroclor-1260-4	8.103	8.008	8.208	464.610	500.000	-7.1
Aroclor-1260-5	8.423	8.328	8.528	479.710	500.000	-4.1
Decachlorobiphenyl	10.241	10.152	10.352	47.630	50.000	-4.7
Tetrachloro-m-xylene	4.524	4.424	4.624	48.060	50.000	-3.9

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL08 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070558.D **Time Analyzed:** 01:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	500.790	500.000	0.2
Aroclor-1016-2	4.930	4.836	5.036	484.340	500.000	-3.1
Aroclor-1016-3	5.108	5.013	5.213	493.000	500.000	-1.4
Aroclor-1016-4	5.149	5.054	5.254	494.170	500.000	-1.2
Aroclor-1016-5	5.364	5.270	5.470	521.050	500.000	4.2
Aroclor-1260-1	6.400	6.307	6.507	477.160	500.000	-4.6
Aroclor-1260-2	6.588	6.495	6.695	473.000	500.000	-5.4
Aroclor-1260-3	6.742	6.649	6.849	465.110	500.000	-7.0
Aroclor-1260-4	7.213	7.121	7.321	453.670	500.000	-9.3
Aroclor-1260-5	7.454	7.362	7.562	455.190	500.000	-9.0
Decachlorobiphenyl	8.871	8.781	8.981	46.060	50.000	-7.9
Tetrachloro-m-xylene	3.826	3.729	3.929	48.770	50.000	-2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 01:51
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:31:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.826	74756241	48883903	48.063	48.773
2)	SA Decachlor...	10.241	8.871	50596537	45061865	47.627	46.059
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.912	23703888	18004636	457.152	500.789
4)	L1 AR-1016-2	5.697	4.930	35429053	25169506	495.201	484.339
5)	L1 AR-1016-3	5.759	5.108	21771400	14027474	478.094	492.998
6)	L1 AR-1016-4	5.856	5.149	18272721	11064426	468.078	494.170
7)	L1 AR-1016-5	6.149	5.364	16258237	15485105	469.592	521.053
31)	L7 AR-1260-1	7.267	6.400	29274222	23755351	498.385	477.165
32)	L7 AR-1260-2	7.520	6.588	39202114	31259651	477.824	473.004
33)	L7 AR-1260-3	7.879	6.742	31318736	26603333	476.275	465.115
34)	L7 AR-1260-4	8.103	7.213	30358624	23211275	464.606	453.668
35)	L7 AR-1260-5	8.423	7.454	65565497	58621260	479.709	455.186

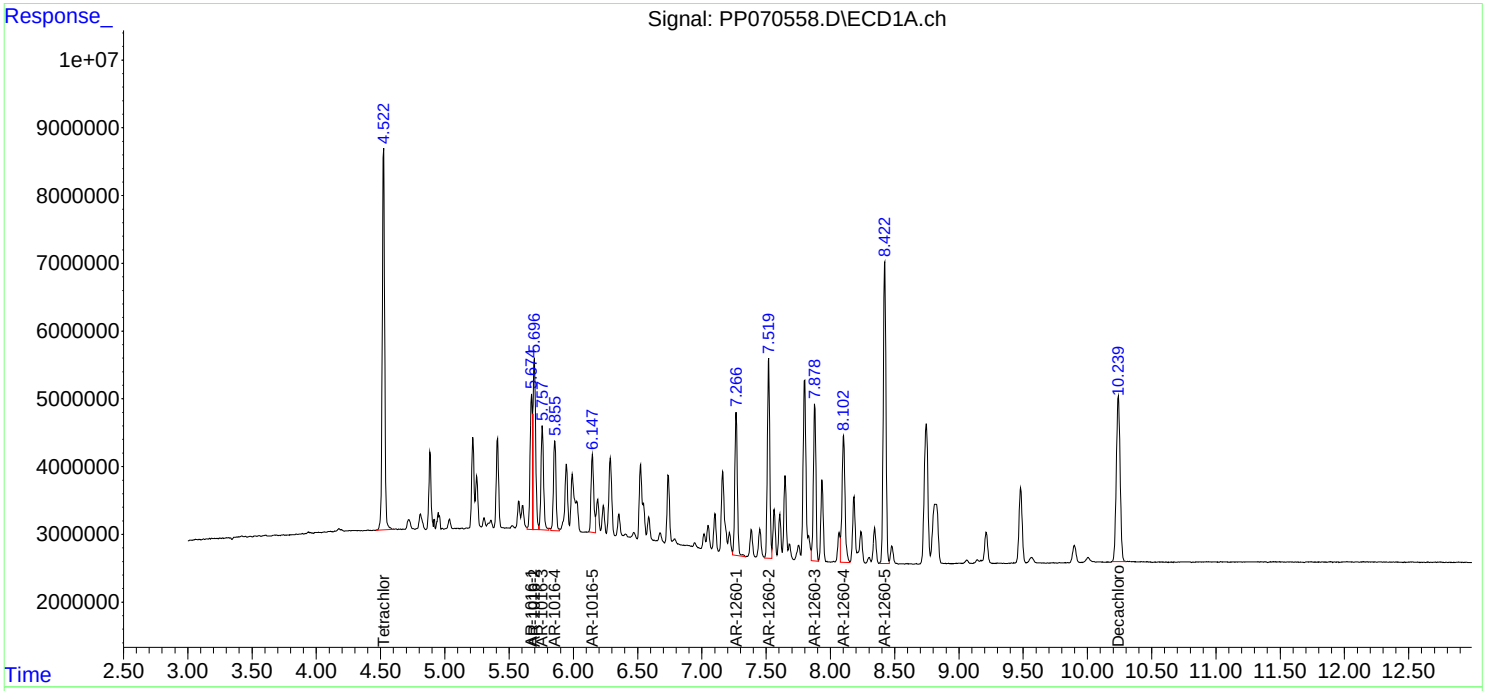
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

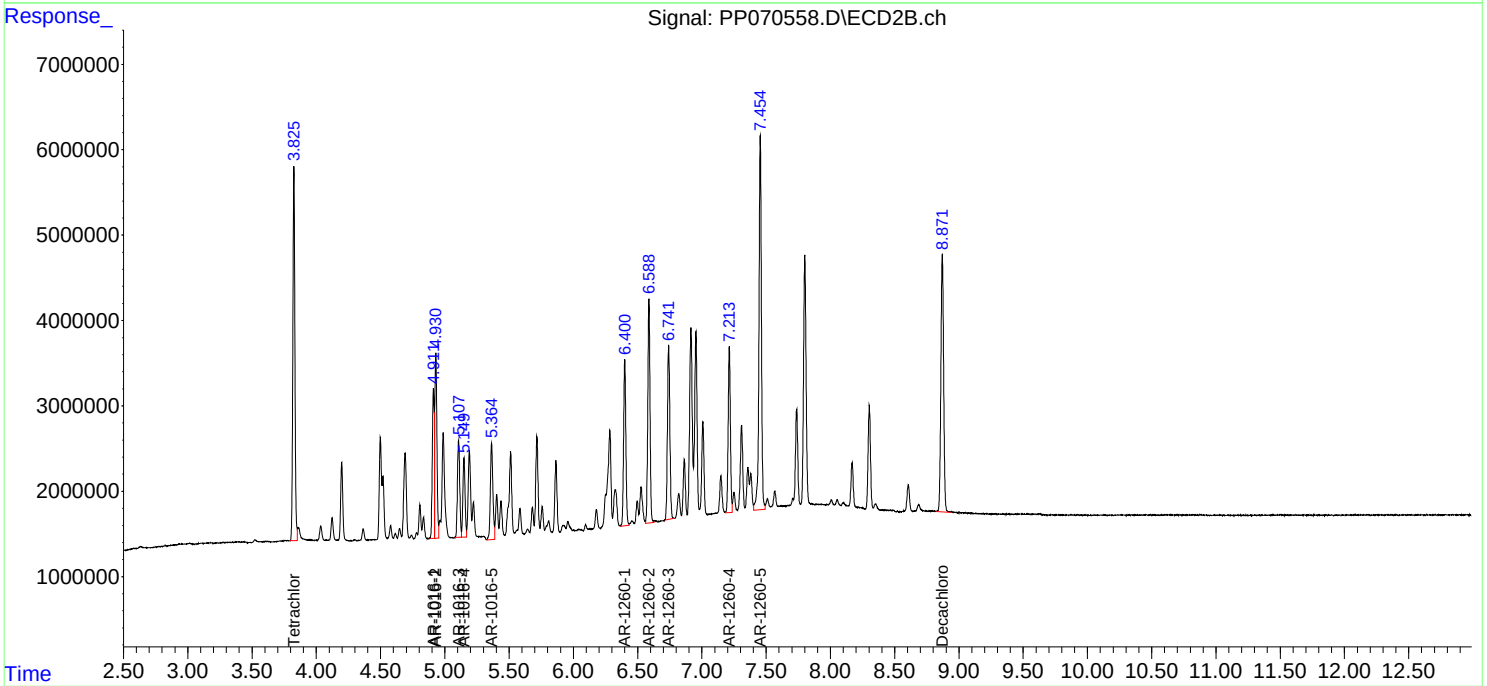
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 01:51
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

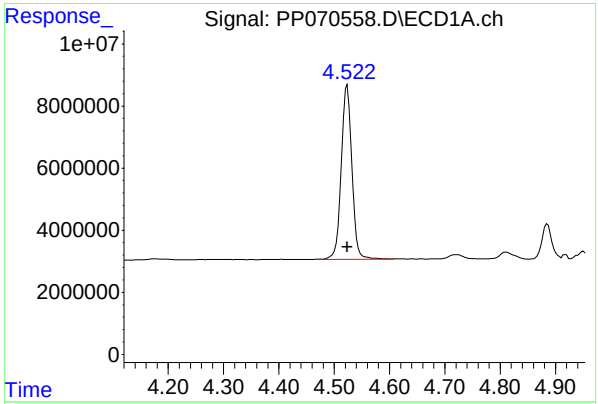
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 02:31:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



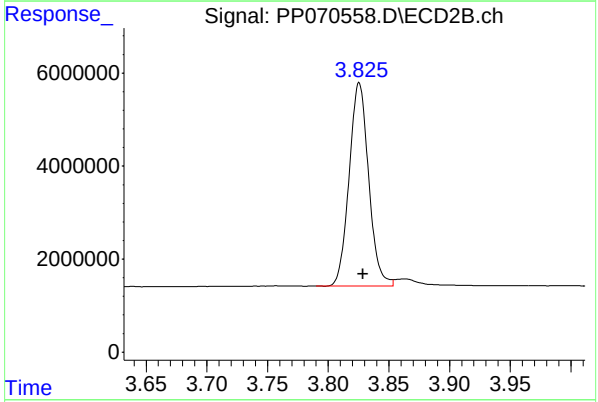




#1 Tetrachloro-m-xylene

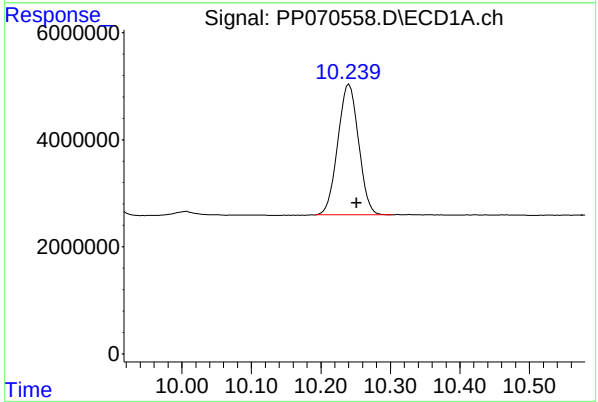
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 74756241
Conc: 48.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



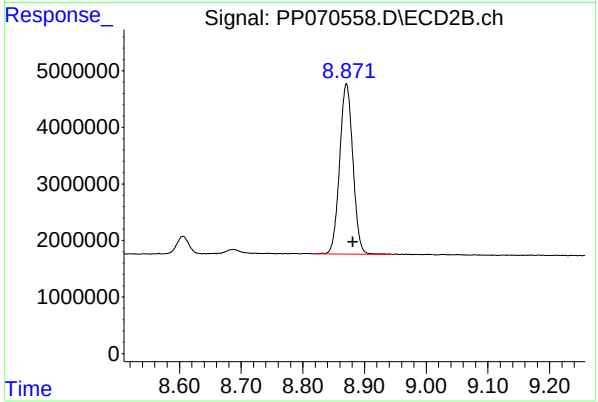
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 48883903
Conc: 48.77 ng/ml



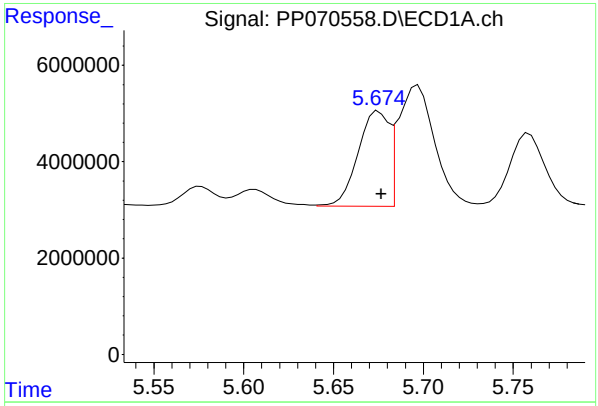
#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 50596537
Conc: 47.63 ng/ml



#2 Decachlorobiphenyl

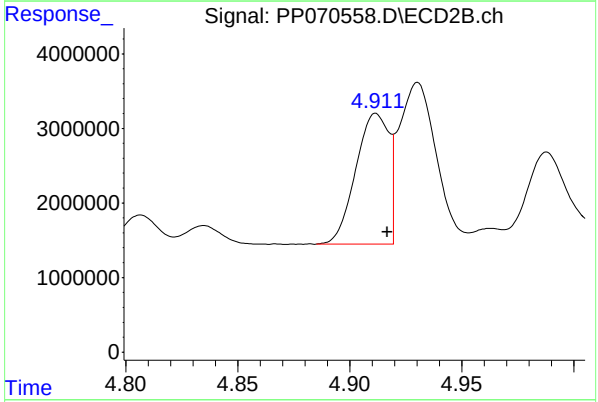
R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 45061865
Conc: 46.06 ng/ml



#3 AR-1016-1

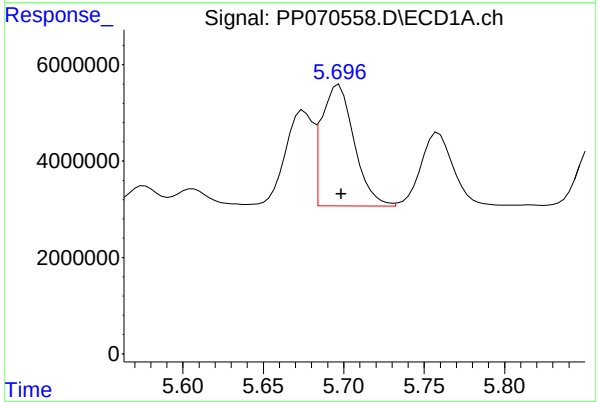
R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 23703888
Conc: 457.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



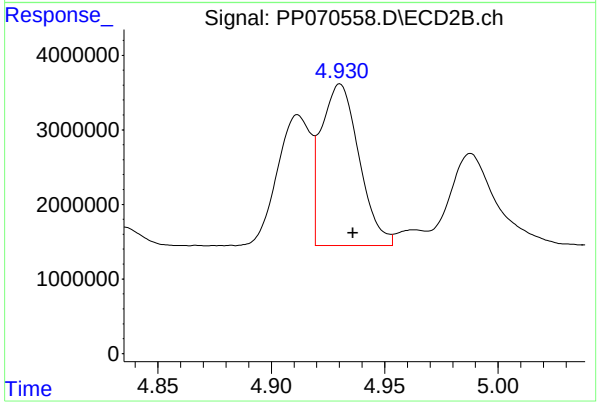
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18004636
Conc: 500.79 ng/ml



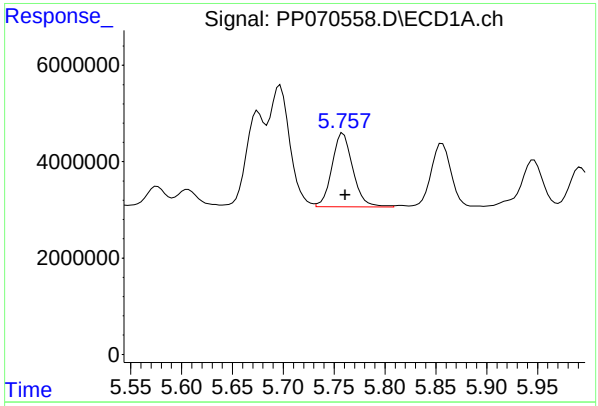
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 35429053
Conc: 495.20 ng/ml



#4 AR-1016-2

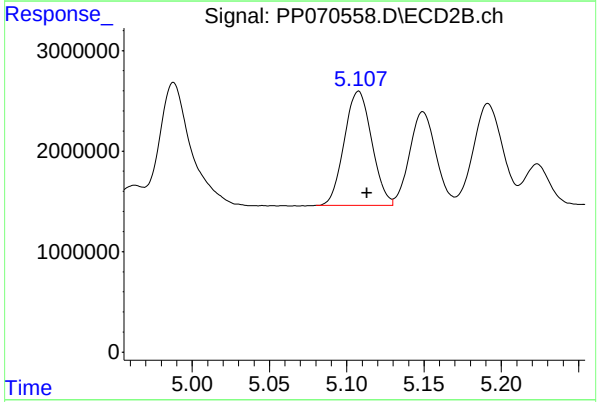
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 25169506
Conc: 484.34 ng/ml



#5 AR-1016-3

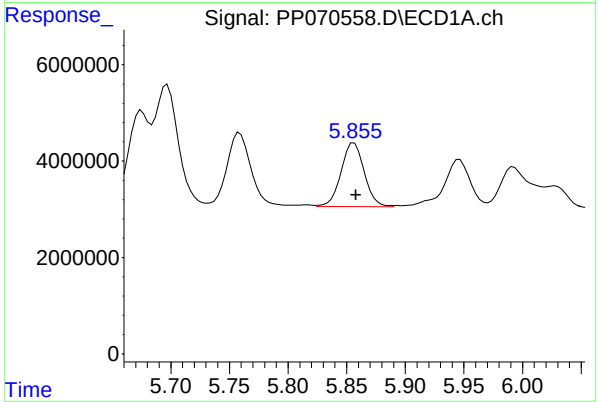
R.T.: 5.759 min
Delta R.T.: -0.002 min
Response: 21771400
Conc: 478.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



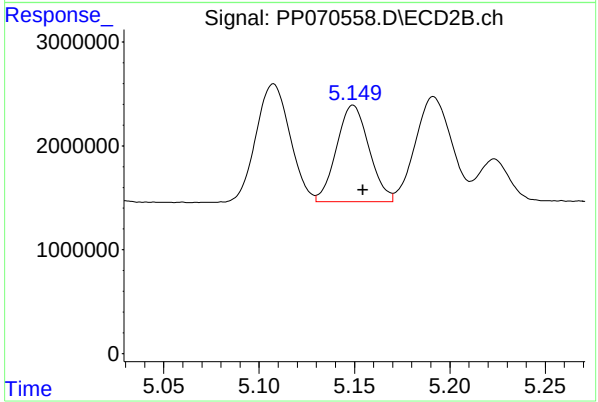
#5 AR-1016-3

R.T.: 5.108 min
Delta R.T.: -0.005 min
Response: 14027474
Conc: 493.00 ng/ml



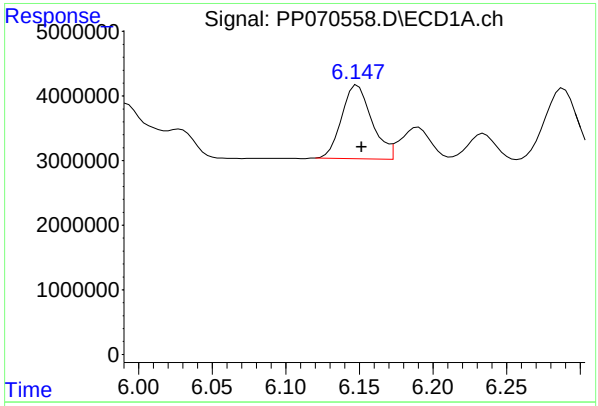
#6 AR-1016-4

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 18272721
Conc: 468.08 ng/ml



#6 AR-1016-4

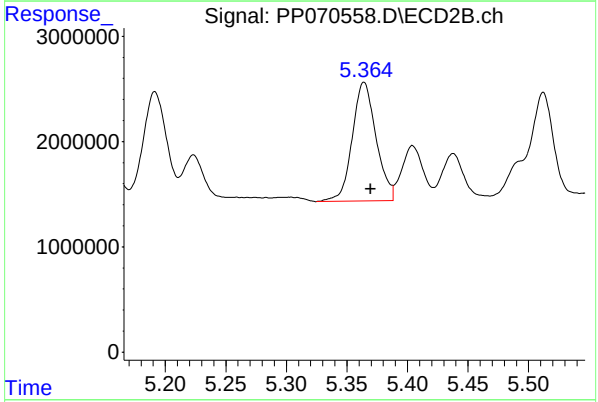
R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 11064426
Conc: 494.17 ng/ml



#7 AR-1016-5

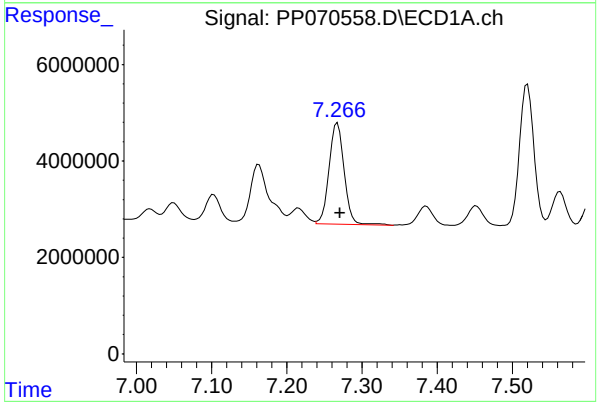
R.T.: 6.149 min
Delta R.T.: -0.003 min
Response: 16258237
Conc: 469.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



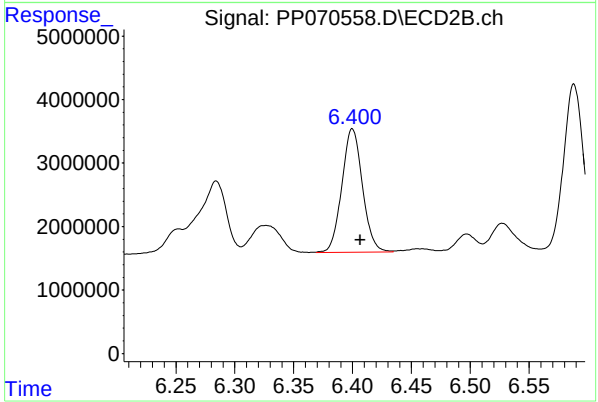
#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.005 min
Response: 15485105
Conc: 521.05 ng/ml



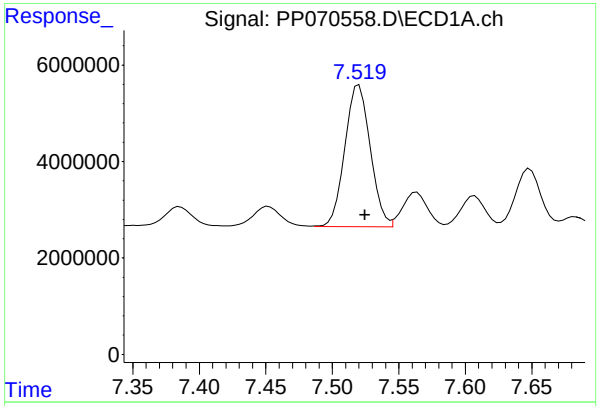
#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 29274222
Conc: 498.38 ng/ml



#31 AR-1260-1

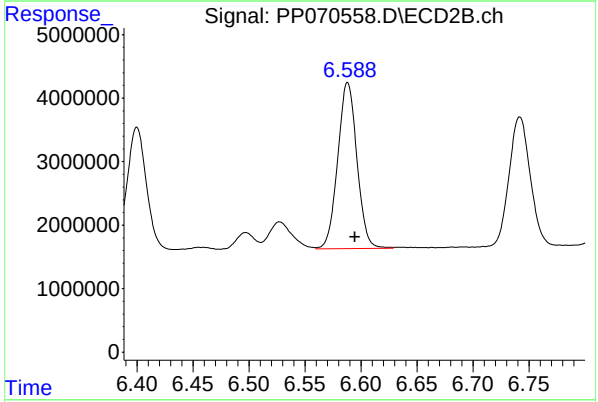
R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 23755351
Conc: 477.16 ng/ml



#32 AR-1260-2

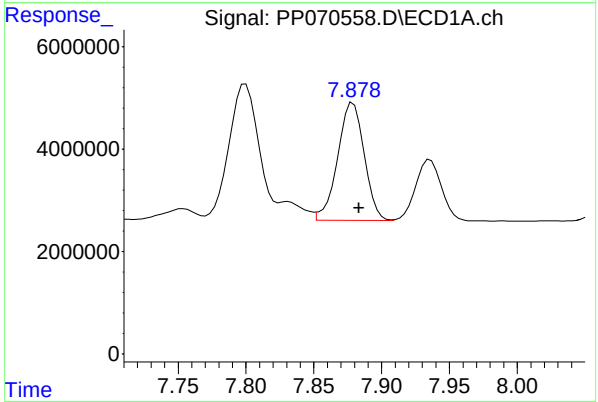
R.T.: 7.520 min
Delta R.T.: -0.005 min
Response: 39202114
Conc: 477.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



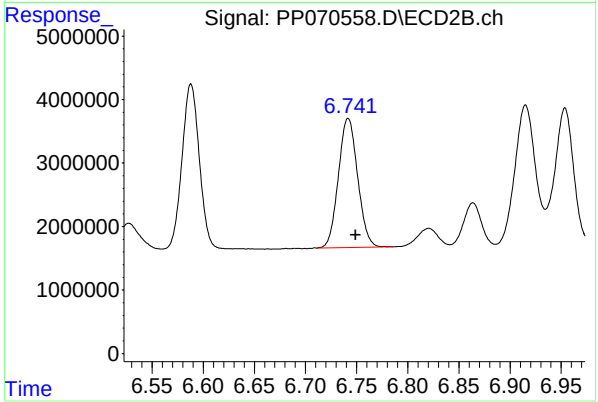
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 31259651
Conc: 473.00 ng/ml



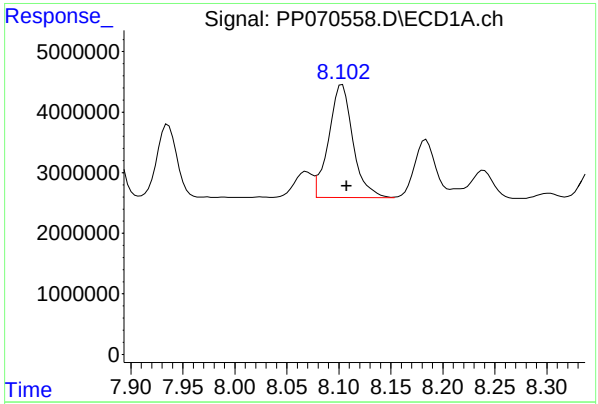
#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 31318736
Conc: 476.27 ng/ml



#33 AR-1260-3

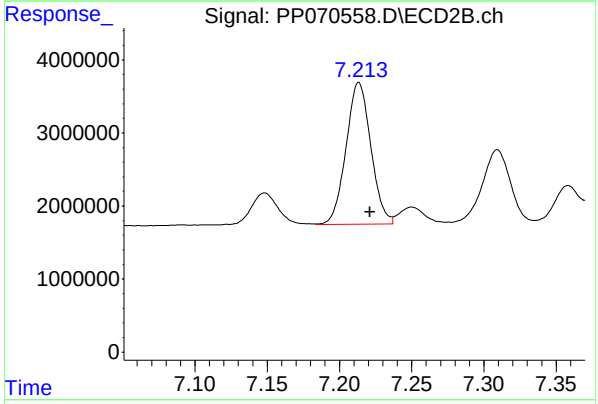
R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 26603333
Conc: 465.11 ng/ml



#34 AR-1260-4

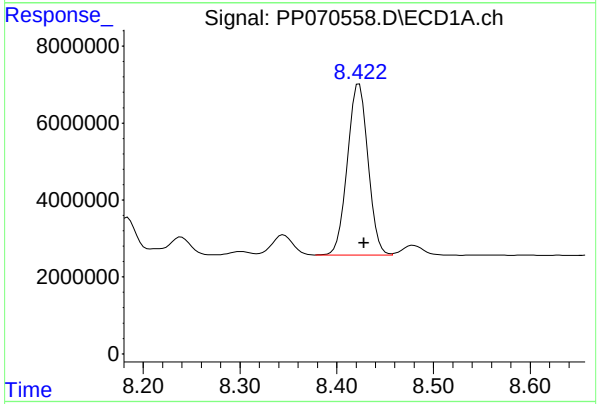
R.T.: 8.103 min
Delta R.T.: -0.005 min
Response: 30358624
Conc: 464.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



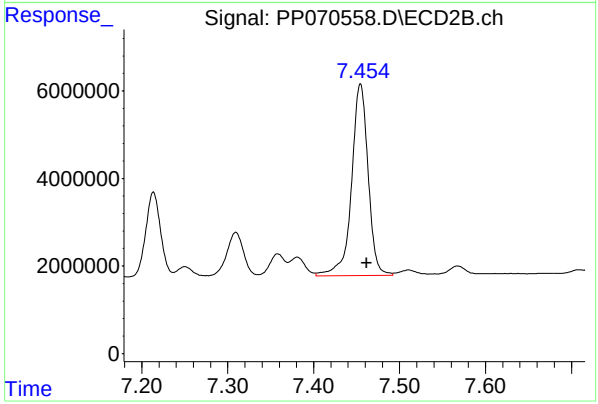
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 23211275
Conc: 453.67 ng/ml



#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 min
Response: 65565497
Conc: 479.71 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.007 min
Response: 58621260
Conc: 455.19 ng/ml

Raw Data: **PP070568.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 05:06 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

Raw Data: **PP070568.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 05:06 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL09 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070568.D **Time Analyzed:** 05:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.673	5.577	5.777	464.850	500.000	-7.0
Aroclor-1016-2	5.695	5.599	5.799	501.140	500.000	0.2
Aroclor-1016-3	5.757	5.661	5.861	487.390	500.000	-2.5
Aroclor-1016-4	5.855	5.758	5.958	483.220	500.000	-3.4
Aroclor-1016-5	6.147	6.051	6.251	479.270	500.000	-4.1
Aroclor-1260-1	7.266	7.171	7.371	508.310	500.000	1.7
Aroclor-1260-2	7.519	7.425	7.625	490.450	500.000	-1.9
Aroclor-1260-3	7.878	7.783	7.983	488.320	500.000	-2.3
Aroclor-1260-4	8.102	8.008	8.208	471.720	500.000	-5.7
Aroclor-1260-5	8.422	8.328	8.528	487.240	500.000	-2.6
Decachlorobiphenyl	10.239	10.152	10.352	48.570	50.000	-2.9
Tetrachloro-m-xylene	4.522	4.424	4.624	48.550	50.000	-2.9

Raw Data: **PP070568.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL09 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070568.D **Time Analyzed:** 05:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	511.620	500.000	2.3
Aroclor-1016-2	4.930	4.836	5.036	488.190	500.000	-2.4
Aroclor-1016-3	5.107	5.013	5.213	502.650	500.000	0.5
Aroclor-1016-4	5.149	5.054	5.254	495.770	500.000	-0.8
Aroclor-1016-5	5.364	5.270	5.470	540.650	500.000	8.1
Aroclor-1260-1	6.400	6.307	6.507	493.180	500.000	-1.4
Aroclor-1260-2	6.587	6.495	6.695	483.690	500.000	-3.3
Aroclor-1260-3	6.741	6.649	6.849	471.010	500.000	-5.8
Aroclor-1260-4	7.213	7.121	7.321	458.170	500.000	-8.4
Aroclor-1260-5	7.454	7.362	7.562	453.230	500.000	-9.4
Decachlorobiphenyl	8.869	8.781	8.981	46.240	50.000	-7.5
Tetrachloro-m-xylene	3.826	3.729	3.929	49.820	50.000	-0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 05:06
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 05:29:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.522	3.826	75517285	49932854	48.552	49.819
2)	SA Decachlor...	10.239	8.869	51602626	45241438	48.574	46.242
	Target Compounds						
3)	L1 AR-1016-1	5.673	4.912	24102790	18394063	464.845	511.621
4)	L1 AR-1016-2	5.695	4.930	35853798	25369861	501.137	488.195
5)	L1 AR-1016-3	5.757	5.107	22194655	14301994	487.388	502.646
6)	L1 AR-1016-4	5.855	5.149	18863726	11100213	483.217	495.769
7)	L1 AR-1016-5	6.147	5.364	16593299	16067422	479.270	540.647
31)	L7 AR-1260-1	7.266	6.400	29857150	24552460	508.309	493.176
32)	L7 AR-1260-2	7.519	6.587	40237821	31965538	490.448	483.685
33)	L7 AR-1260-3	7.878	6.741	32110960	26940329	488.323	471.007
34)	L7 AR-1260-4	8.102	7.213	30823185	23441586	471.715	458.170
35)	L7 AR-1260-5	8.422	7.454	66595335	58369121	487.244	453.228

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

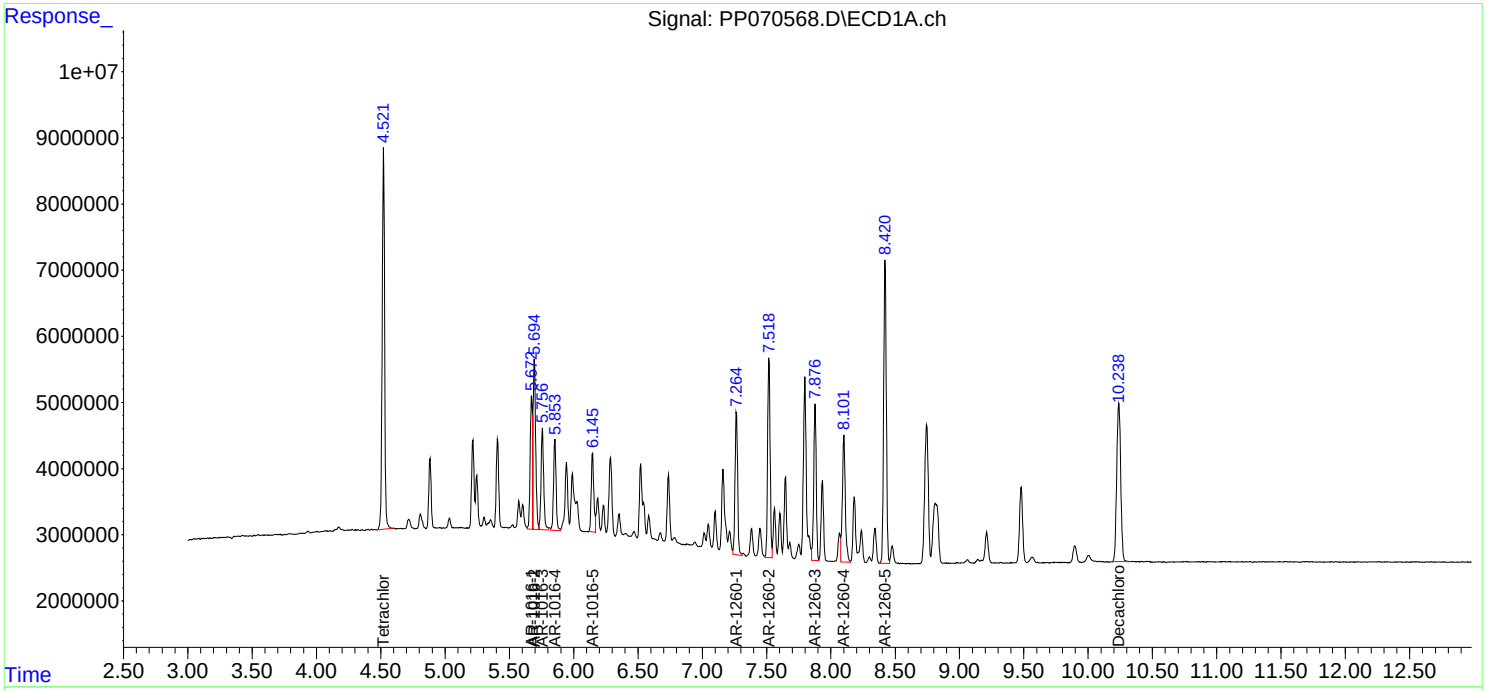
Sample Results: **PP070568.D**

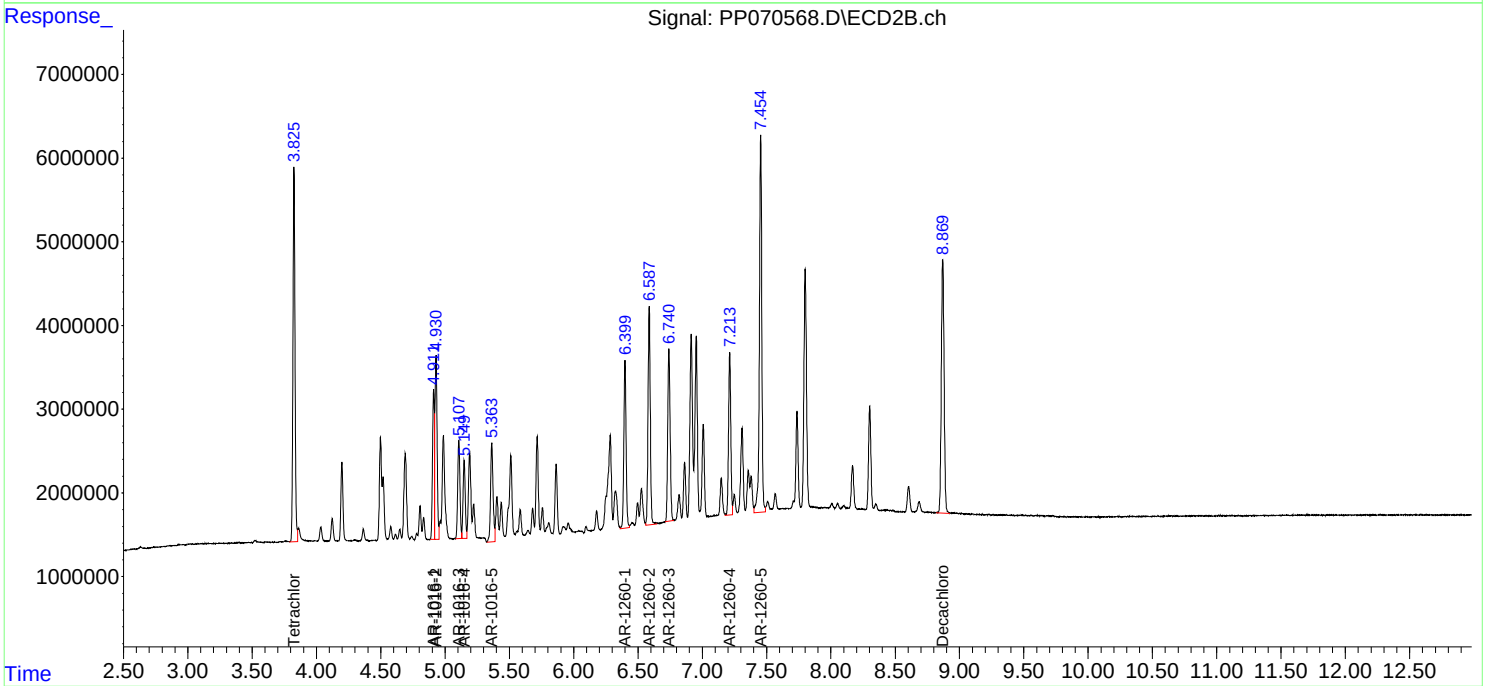
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 05:06
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

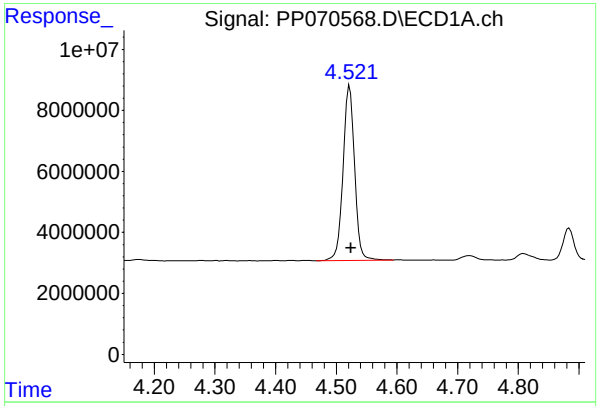
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 05:29:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



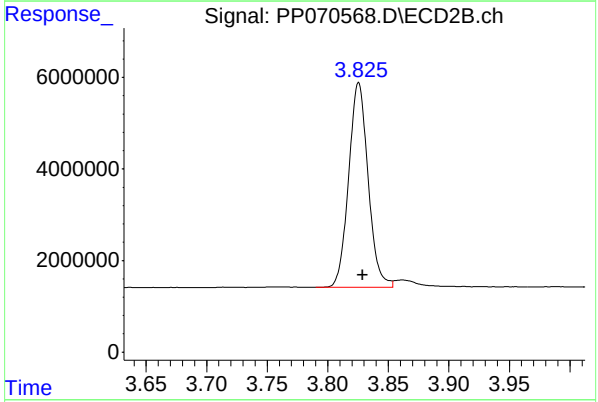




#1 Tetrachloro-m-xylene

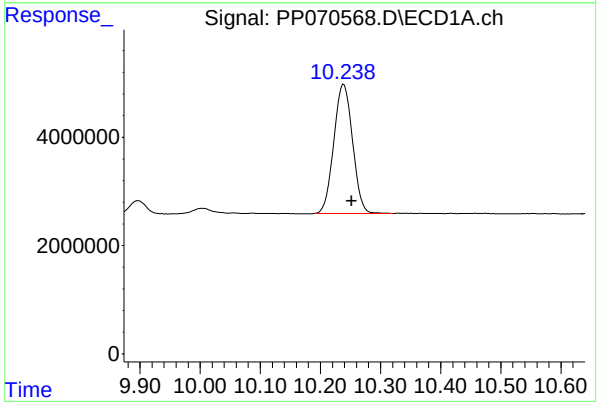
R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 75517285
Conc: 48.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



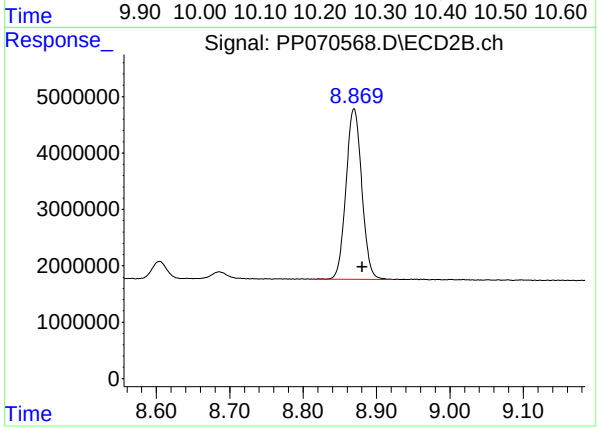
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 49932854
Conc: 49.82 ng/ml



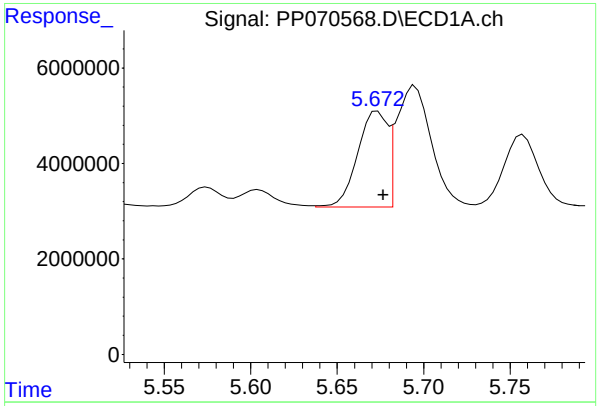
#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 51602626
Conc: 48.57 ng/ml



#2 Decachlorobiphenyl

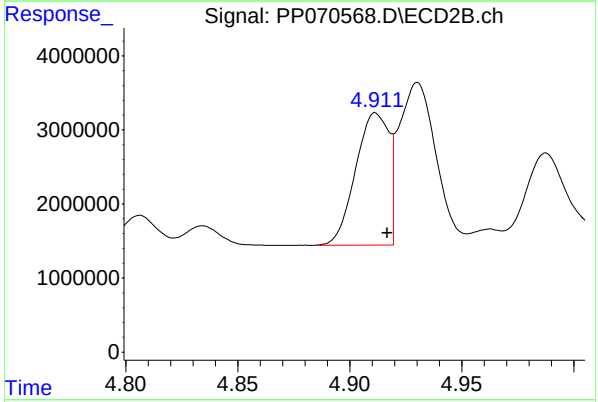
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 45241438
Conc: 46.24 ng/ml



#3 AR-1016-1

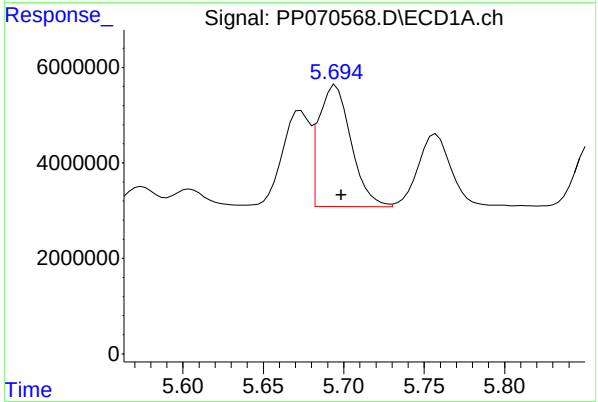
R.T.: 5.673 min
Delta R.T.: -0.003 min
Response: 24102790
Conc: 464.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



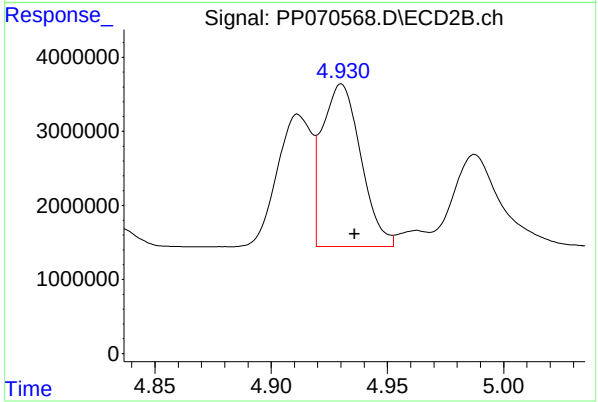
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18394063
Conc: 511.62 ng/ml



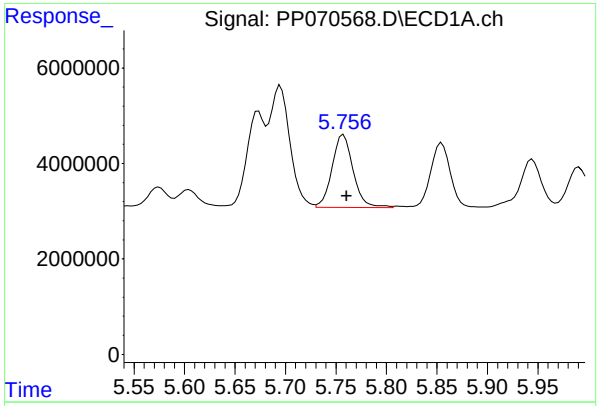
#4 AR-1016-2

R.T.: 5.695 min
Delta R.T.: -0.004 min
Response: 35853798
Conc: 501.14 ng/ml



#4 AR-1016-2

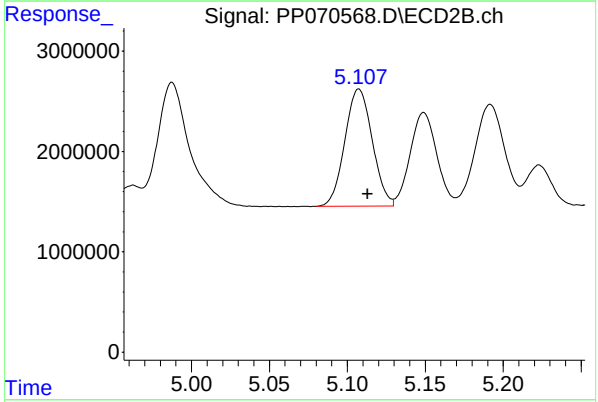
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 25369861
Conc: 488.19 ng/ml



#5 AR-1016-3

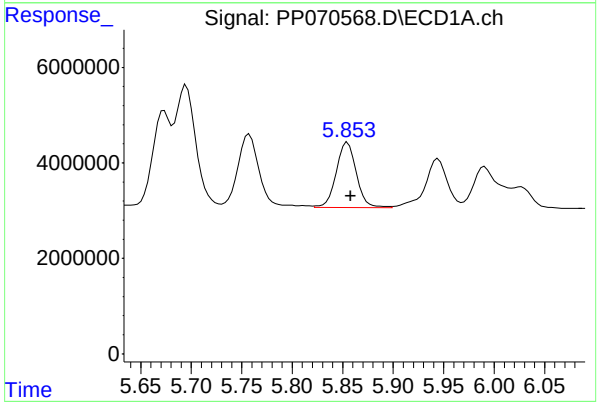
R.T.: 5.757 min
Delta R.T.: -0.003 min
Response: 22194655
Conc: 487.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



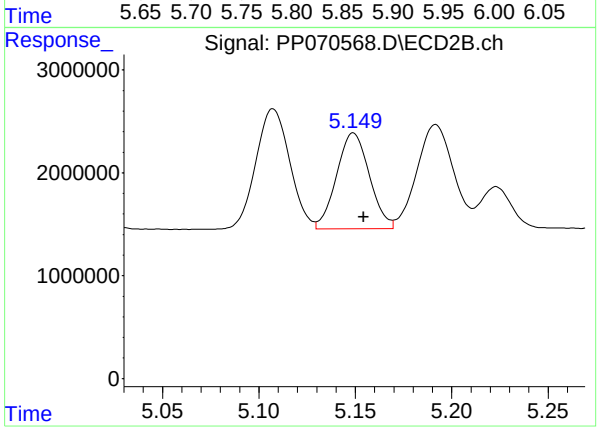
#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14301994
Conc: 502.65 ng/ml



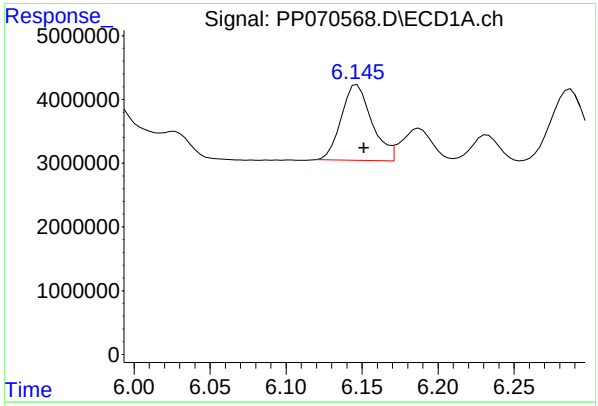
#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 18863726
Conc: 483.22 ng/ml



#6 AR-1016-4

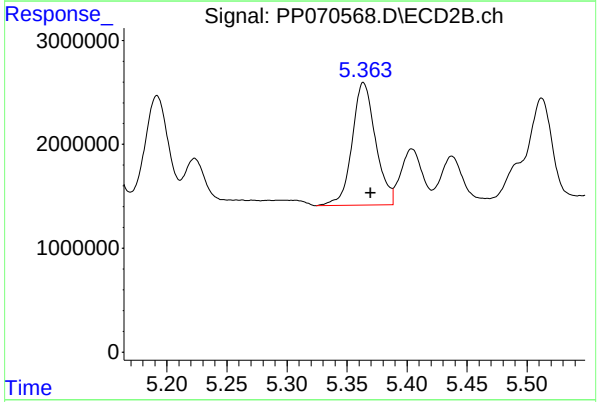
R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 11100213
Conc: 495.77 ng/ml



#7 AR-1016-5

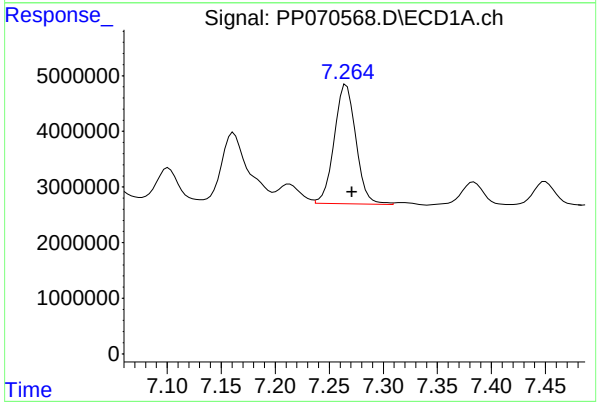
R.T.: 6.147 min
Delta R.T.: -0.005 min
Response: 16593299
Conc: 479.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



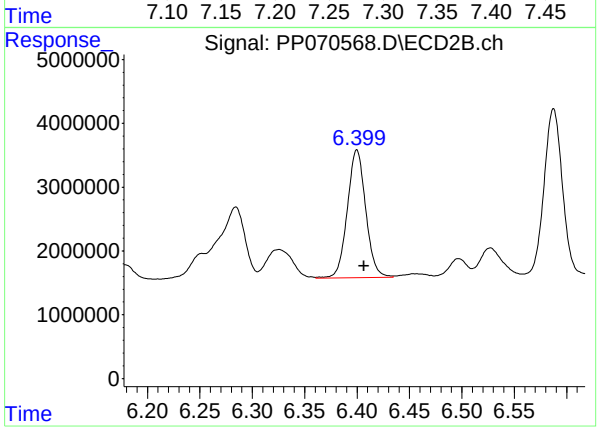
#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 16067422
Conc: 540.65 ng/ml



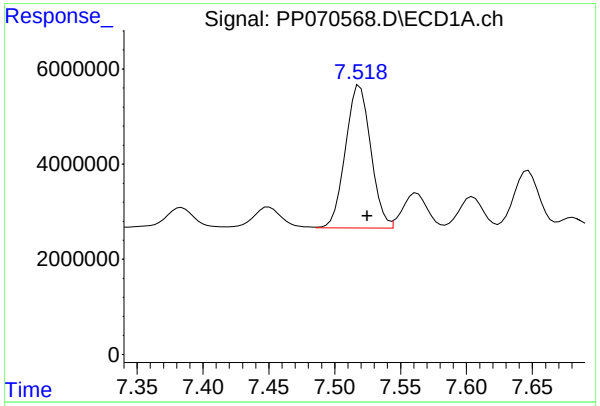
#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 29857150
Conc: 508.31 ng/ml



#31 AR-1260-1

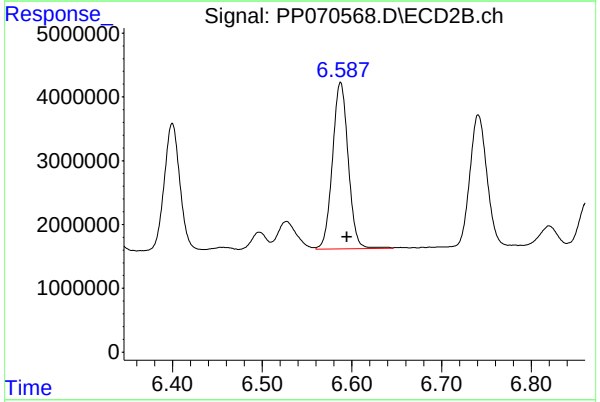
R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 24552460
Conc: 493.18 ng/ml



#32 AR-1260-2

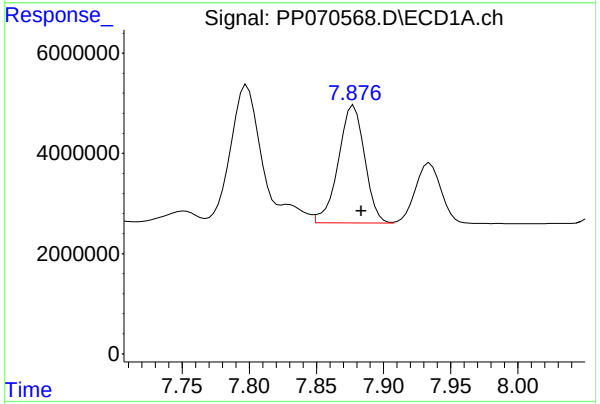
R.T.: 7.519 min
Delta R.T.: -0.006 mi
Response: 40237821
Conc: 490.45 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



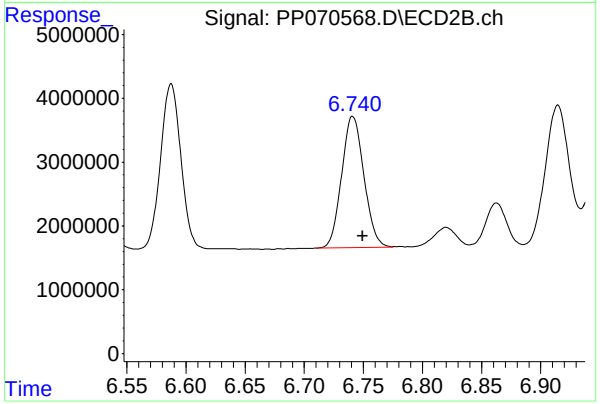
#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.007 min
Response: 31965538
Conc: 483.69 ng/ml



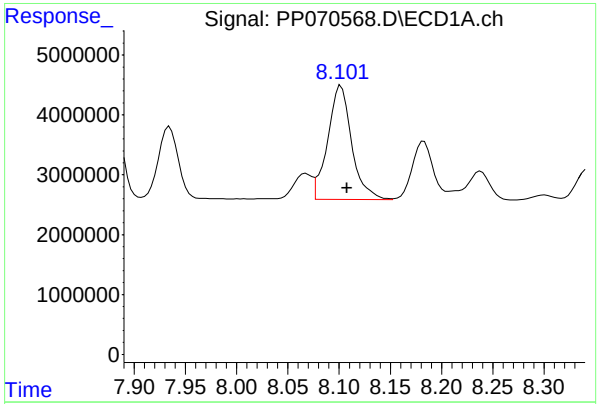
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 32110960
Conc: 488.32 ng/ml



#33 AR-1260-3

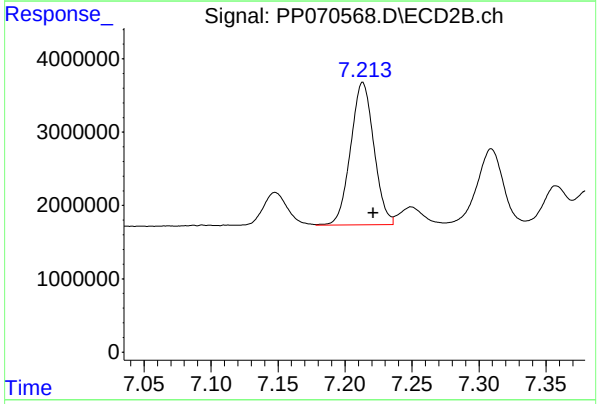
R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 26940329
Conc: 471.01 ng/ml



#34 AR-1260-4

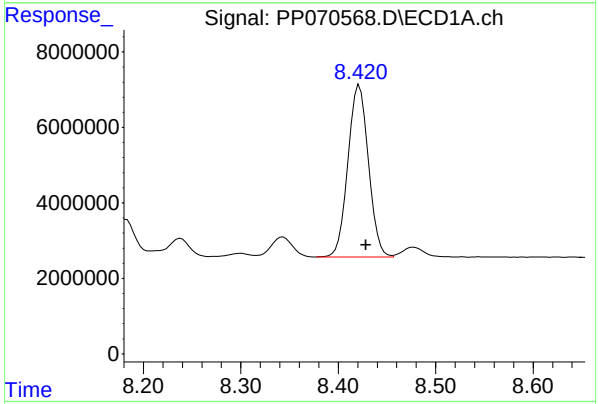
R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 30823185
Conc: 471.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



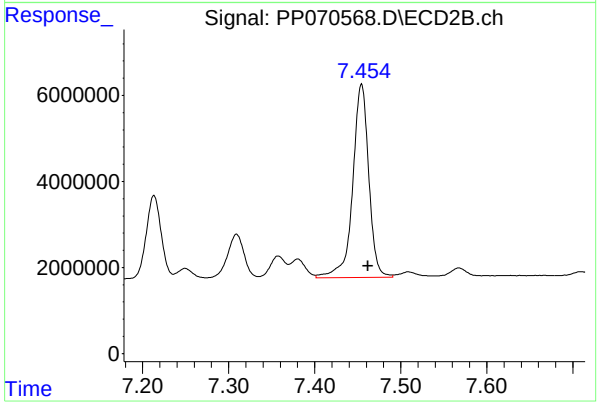
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 23441586
Conc: 458.17 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.007 min
Response: 66595335
Conc: 487.24 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.007 min
Response: 58369121
Conc: 453.23 ng/ml

Raw Data: **PP070574.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

Raw Data: **PP070574.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL10 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070574.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.577	5.777	467.050	500.000	-6.6
Aroclor-1016-2	5.697	5.599	5.799	503.160	500.000	0.6
Aroclor-1016-3	5.759	5.661	5.861	487.760	500.000	-2.4
Aroclor-1016-4	5.857	5.758	5.958	471.550	500.000	-5.7
Aroclor-1016-5	6.150	6.051	6.251	491.600	500.000	-1.7
Aroclor-1260-1	7.268	7.171	7.371	499.390	500.000	-0.1
Aroclor-1260-2	7.522	7.425	7.625	498.690	500.000	-0.3
Aroclor-1260-3	7.881	7.783	7.983	504.590	500.000	0.9
Aroclor-1260-4	8.105	8.008	8.208	489.180	500.000	-2.2
Aroclor-1260-5	8.425	8.328	8.528	502.500	500.000	0.5
Decachlorobiphenyl	10.245	10.152	10.352	50.640	50.000	1.3
Tetrachloro-m-xylene	4.524	4.424	4.624	49.130	50.000	-1.7

Raw Data: **PP070574.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL10 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070574.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.913	4.817	5.017	511.980	500.000	2.4
Aroclor-1016-2	4.932	4.836	5.036	496.640	500.000	-0.7
Aroclor-1016-3	5.109	5.013	5.213	504.730	500.000	0.9
Aroclor-1016-4	5.150	5.054	5.254	515.160	500.000	3.0
Aroclor-1016-5	5.365	5.270	5.470	500.200	500.000	0.0
Aroclor-1260-1	6.402	6.307	6.507	495.840	500.000	-0.8
Aroclor-1260-2	6.590	6.495	6.695	490.030	500.000	-2.0
Aroclor-1260-3	6.744	6.649	6.849	484.360	500.000	-3.1
Aroclor-1260-4	7.216	7.121	7.321	470.310	500.000	-5.9
Aroclor-1260-5	7.457	7.362	7.562	472.850	500.000	-5.4
Decachlorobiphenyl	8.873	8.781	8.981	46.620	50.000	-6.8
Tetrachloro-m-xylene	3.826	3.729	3.929	51.220	50.000	2.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 09:08
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:31:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.826	76408805	51332725	49.125	51.216
2)	SA Decachlor...	10.245	8.873	53798578	45607267	50.641	46.616
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.913	24217189	18407071	467.052	511.983
4)	L1 AR-1016-2	5.697	4.932	35998316	25808506	503.157	496.636
5)	L1 AR-1016-3	5.759	5.109	22211634	14361343	487.761	504.732
6)	L1 AR-1016-4	5.857	5.150	18408223	11534470	471.549	515.164
7)	L1 AR-1016-5	6.150	5.365	17020118	14865467	491.598	500.203
31)	L7 AR-1260-1	7.268	6.402	29333189	24685109	499.389	495.840
32)	L7 AR-1260-2	7.522	6.590	40913637	32384554	498.685	490.026
33)	L7 AR-1260-3	7.881	6.744	33180938	27703916	504.594	484.357
34)	L7 AR-1260-4	8.105	7.216	31964375	24062799	489.180	470.312
35)	L7 AR-1260-5	8.425	7.457	68680139	60896678	502.497	472.854

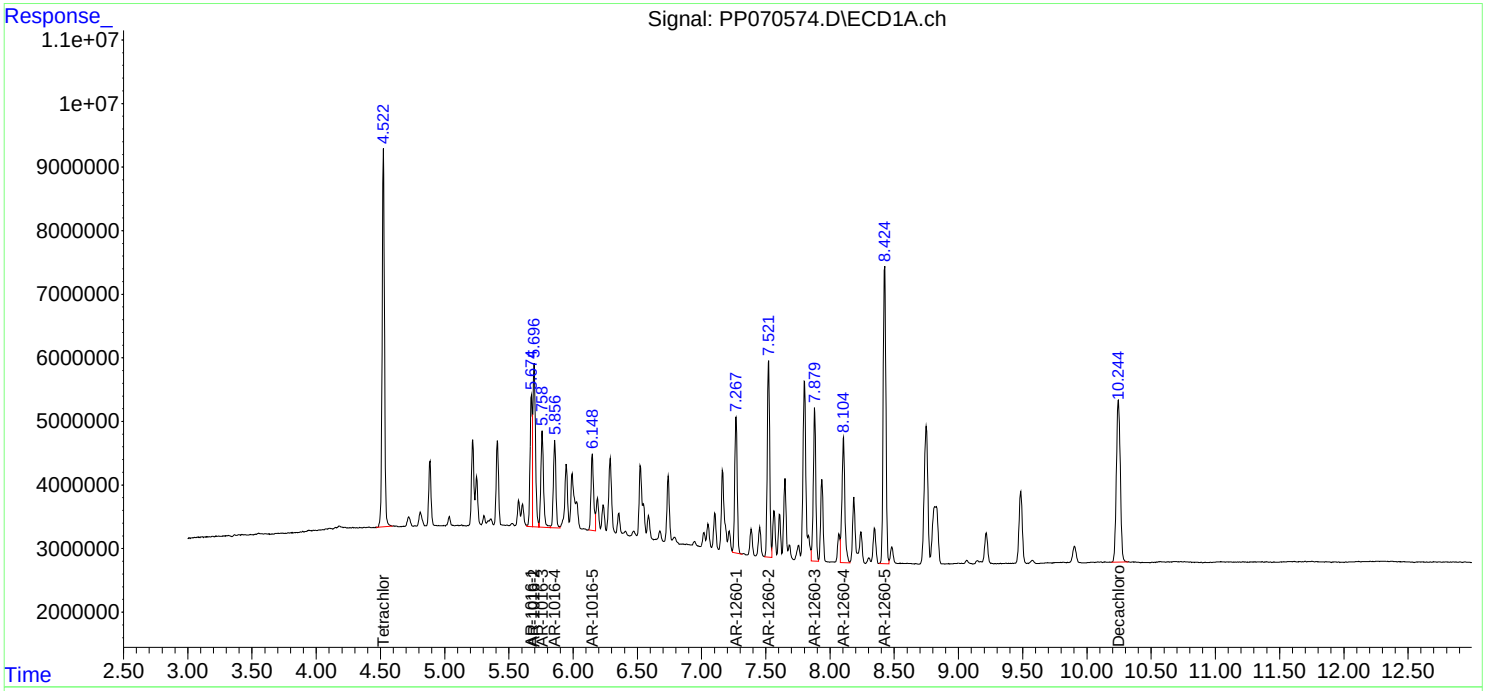
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

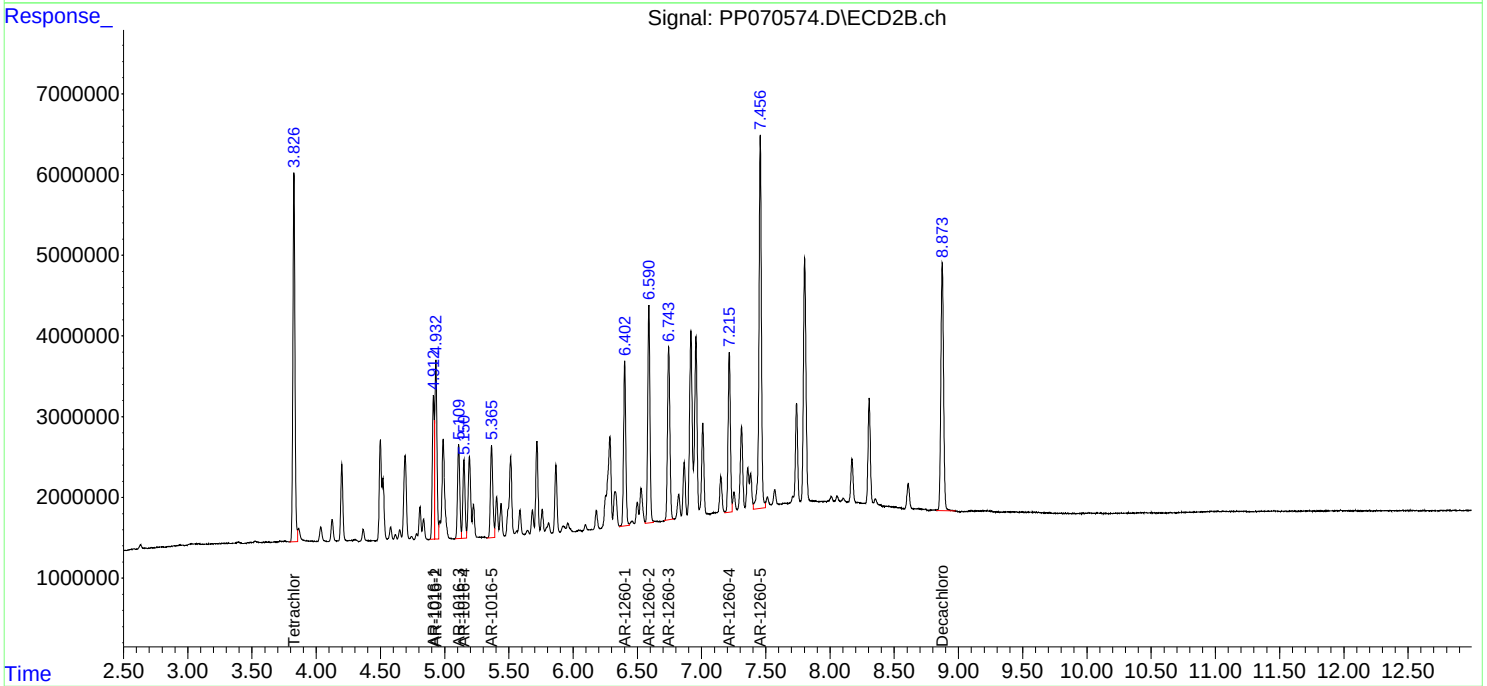
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 09:08
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

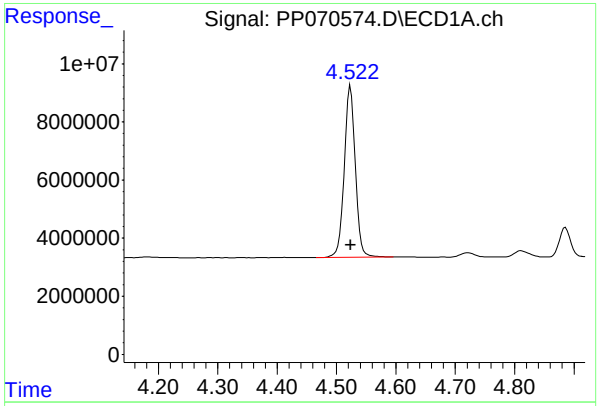
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:31:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



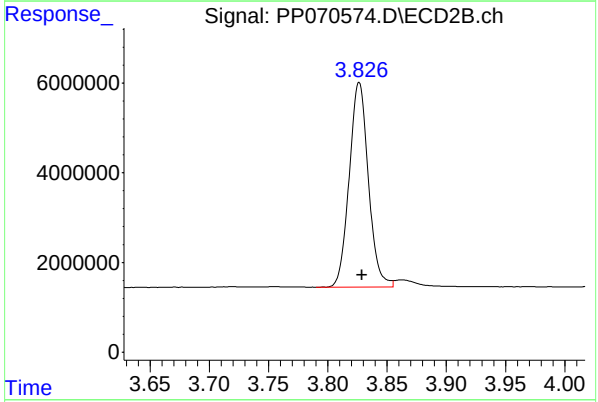




#1 Tetrachloro-m-xylene

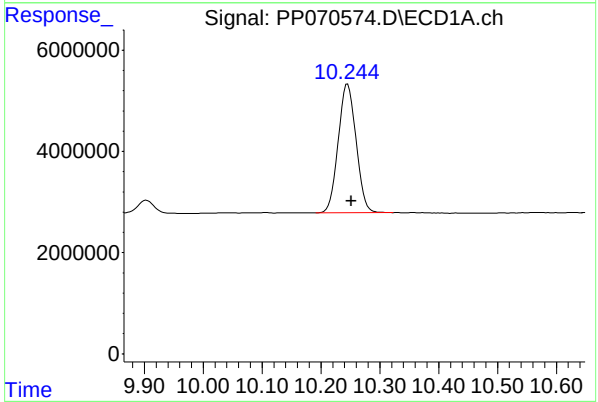
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 76408805
Conc: 49.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



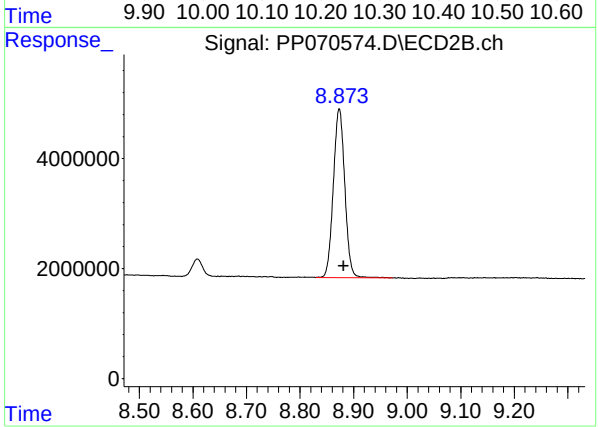
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 51332725
Conc: 51.22 ng/ml



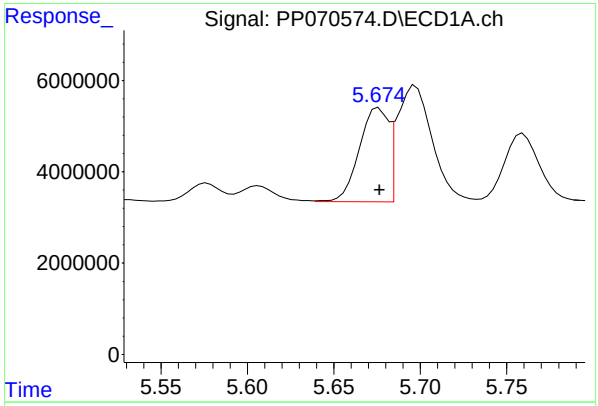
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 53798578
Conc: 50.64 ng/ml



#2 Decachlorobiphenyl

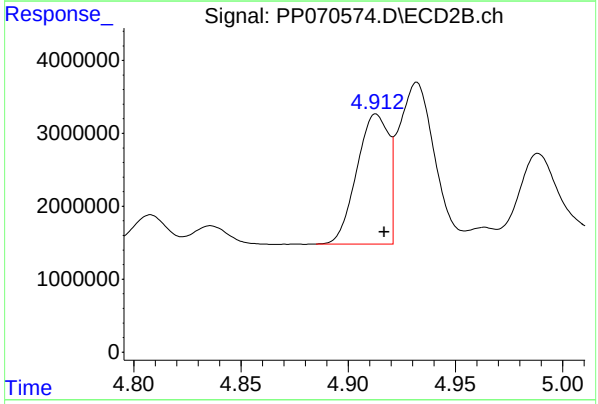
R.T.: 8.873 min
Delta R.T.: -0.008 min
Response: 45607267
Conc: 46.62 ng/ml



#3 AR-1016-1

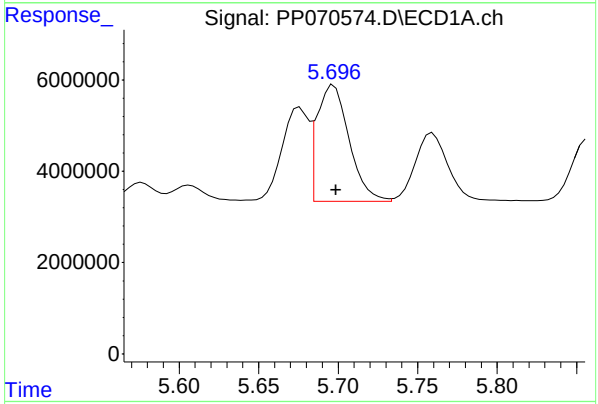
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 24217189
Conc: 467.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



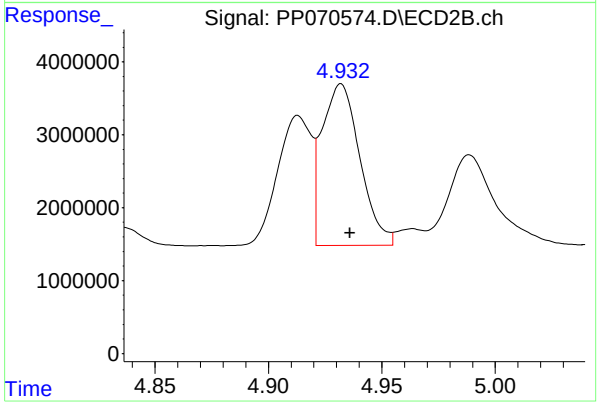
#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 18407071
Conc: 511.98 ng/ml



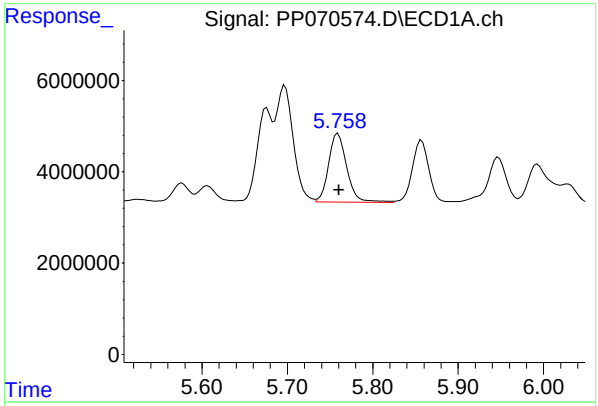
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 35998316
Conc: 503.16 ng/ml



#4 AR-1016-2

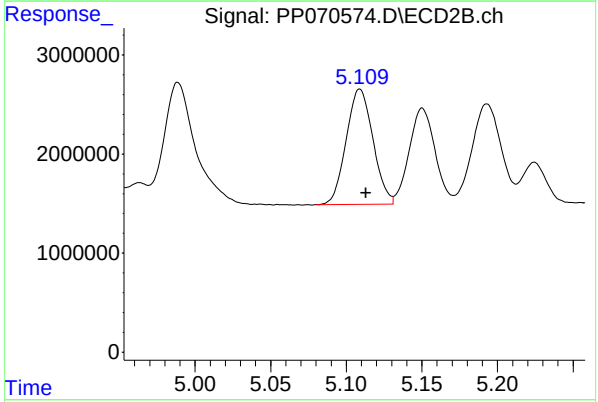
R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 25808506
Conc: 496.64 ng/ml



#5 AR-1016-3

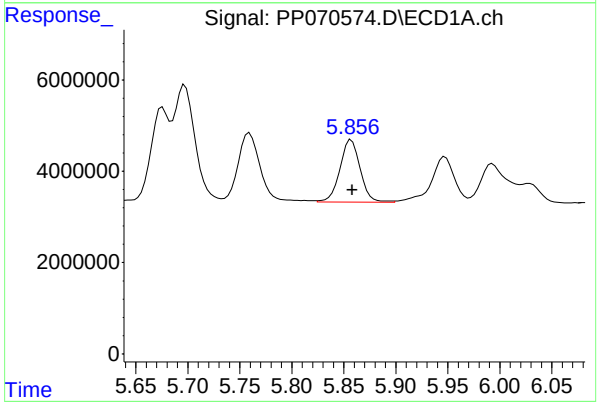
R.T.: 5.759 min
Delta R.T.: -0.001 min
Response: 22211634
Conc: 487.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



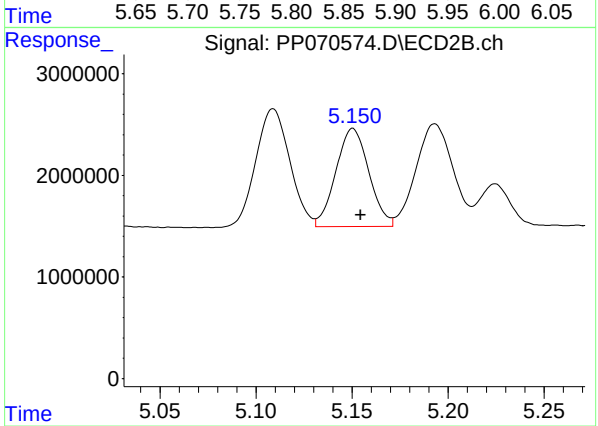
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 14361343
Conc: 504.73 ng/ml



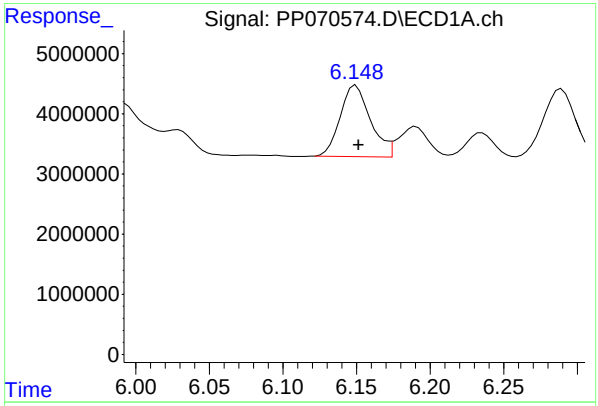
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 18408223
Conc: 471.55 ng/ml



#6 AR-1016-4

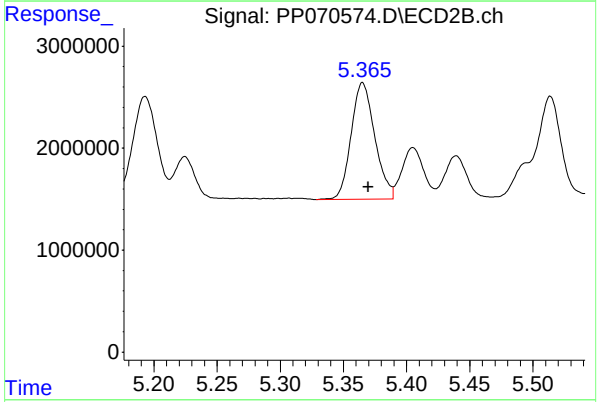
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 11534470
Conc: 515.16 ng/ml



#7 AR-1016-5

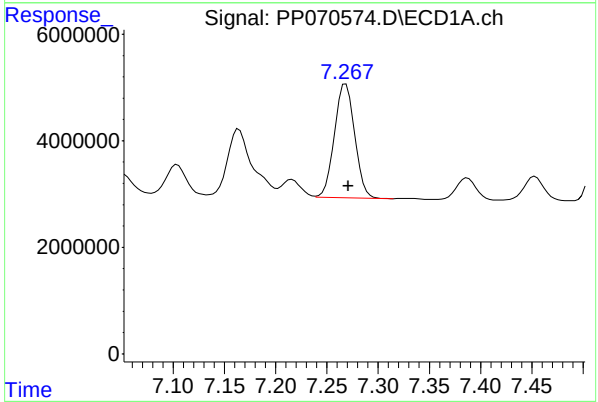
R.T.: 6.150 min
Delta R.T.: -0.002 min
Response: 17020118
Conc: 491.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



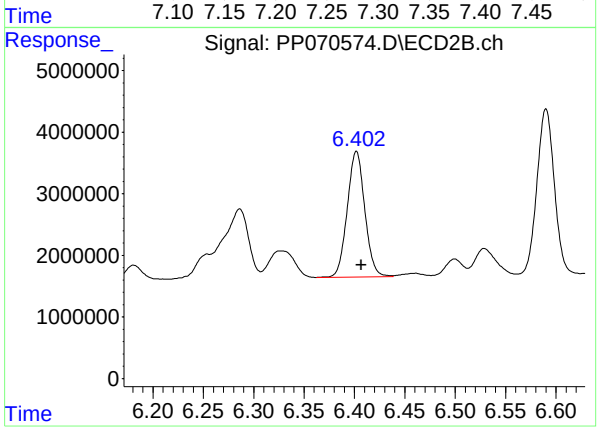
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.004 min
Response: 14865467
Conc: 500.20 ng/ml



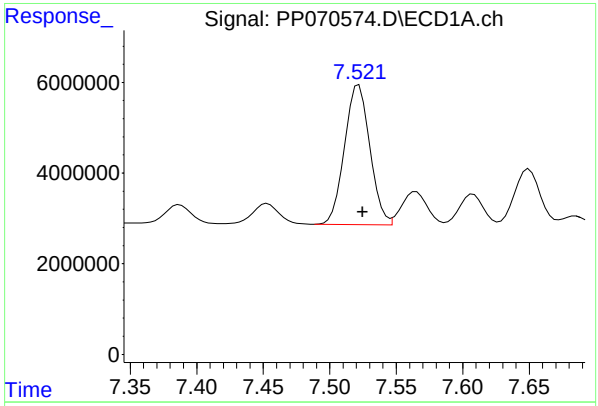
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.002 min
Response: 29333189
Conc: 499.39 ng/ml



#31 AR-1260-1

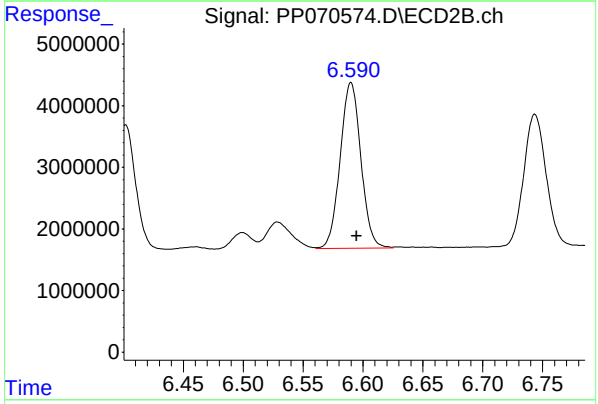
R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 24685109
Conc: 495.84 ng/ml



#32 AR-1260-2

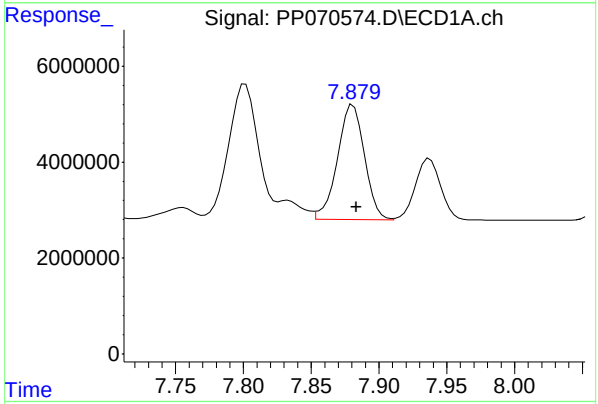
R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 40913637
Conc: 498.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



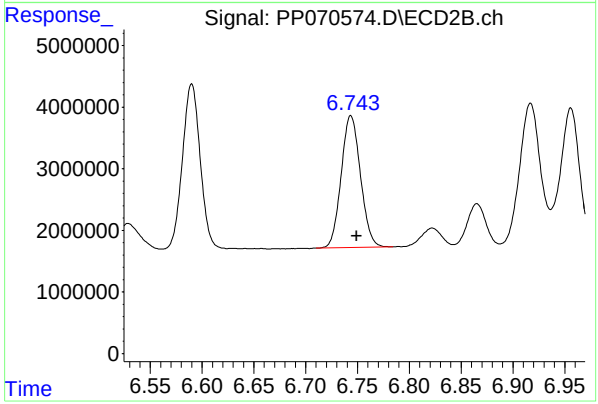
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 32384554
Conc: 490.03 ng/ml



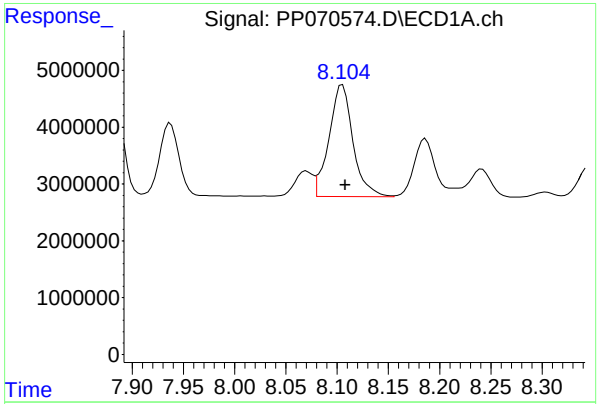
#33 AR-1260-3

R.T.: 7.881 min
Delta R.T.: -0.002 min
Response: 33180938
Conc: 504.59 ng/ml



#33 AR-1260-3

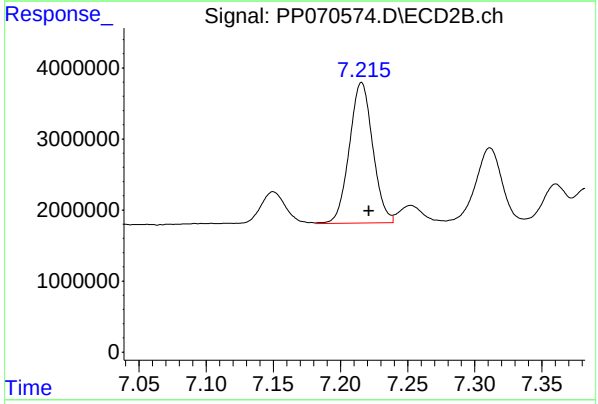
R.T.: 6.744 min
Delta R.T.: -0.006 min
Response: 27703916
Conc: 484.36 ng/ml



#34 AR-1260-4

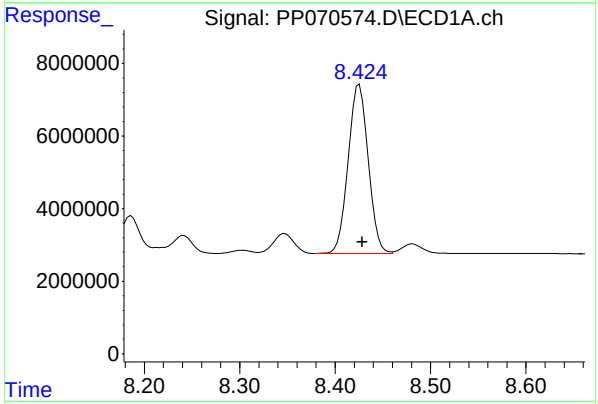
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 31964375
Conc: 489.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



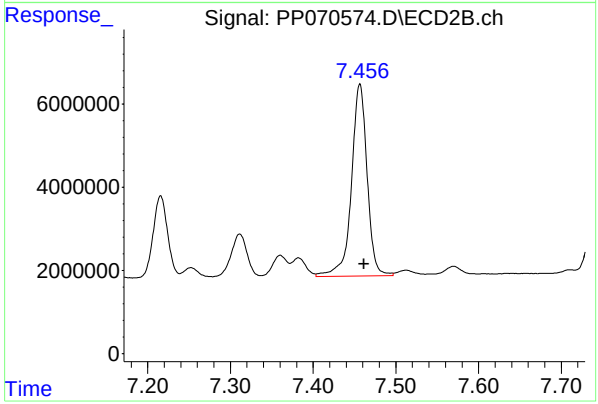
#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 24062799
Conc: 470.31 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.003 min
Response: 68680139
Conc: 502.50 ng/ml



#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 60896678
Conc: 472.85 ng/ml

Raw Data: **PP070589.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 14:00 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

Raw Data: **PP070589.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 14:00 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL11 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070589.D **Time Analyzed:** 14:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.674	5.577	5.777	464.700	500.000	-7.1
Aroclor-1016-2	5.696	5.599	5.799	510.500	500.000	2.1
Aroclor-1016-3	5.759	5.661	5.861	489.260	500.000	-2.1
Aroclor-1016-4	5.856	5.758	5.958	488.460	500.000	-2.3
Aroclor-1016-5	6.149	6.051	6.251	489.200	500.000	-2.2
Aroclor-1260-1	7.268	7.171	7.371	520.980	500.000	4.2
Aroclor-1260-2	7.521	7.425	7.625	510.080	500.000	2.0
Aroclor-1260-3	7.880	7.783	7.983	512.770	500.000	2.6
Aroclor-1260-4	8.104	8.008	8.208	494.890	500.000	-1.0
Aroclor-1260-5	8.424	8.328	8.528	504.270	500.000	0.9
Decachlorobiphenyl	10.245	10.152	10.352	50.120	50.000	0.2
Tetrachloro-m-xylene	4.523	4.424	4.624	48.210	50.000	-3.6

Raw Data: **PP070589.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL11 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070589.D **Time Analyzed:** 14:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.913	4.817	5.017	513.500	500.000	2.7
Aroclor-1016-2	4.932	4.836	5.036	494.410	500.000	-1.1
Aroclor-1016-3	5.109	5.013	5.213	506.870	500.000	1.4
Aroclor-1016-4	5.150	5.054	5.254	516.010	500.000	3.2
Aroclor-1016-5	5.365	5.270	5.470	506.660	500.000	1.3
Aroclor-1260-1	6.402	6.307	6.507	504.610	500.000	0.9
Aroclor-1260-2	6.590	6.495	6.695	495.670	500.000	-0.9
Aroclor-1260-3	6.744	6.649	6.849	493.220	500.000	-1.4
Aroclor-1260-4	7.215	7.121	7.321	472.030	500.000	-5.6
Aroclor-1260-5	7.456	7.362	7.562	467.540	500.000	-6.5
Decachlorobiphenyl	8.874	8.781	8.981	46.020	50.000	-8.0
Tetrachloro-m-xylene	3.826	3.729	3.929	51.360	50.000	2.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 14:00
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	74983034	51473099	48.209	51.356
2)	SA Decachlor...	10.245	8.874	53242264	45022317	50.118	46.018
	Target Compounds						
3)	L1 AR-1016-1	5.674	4.913	24095295	18461721	464.701	513.503
4)	L1 AR-1016-2	5.696	4.932	36523489	25692761	510.498	494.408
5)	L1 AR-1016-3	5.759	5.109	22280060	14422233	489.264	506.872
6)	L1 AR-1016-4	5.856	5.150	19068242	11553330	488.456	516.006
7)	L1 AR-1016-5	6.149	5.365	16937091	15057475	489.200	506.664
31)	L7 AR-1260-1	7.268	6.402	30601597	25121600	520.983	504.608
32)	L7 AR-1260-2	7.521	6.590	41848207	32757904	510.076	495.675
33)	L7 AR-1260-3	7.880	6.744	33718797	28211056	512.774	493.223
34)	L7 AR-1260-4	8.104	7.215	32337322	24150825	494.888	472.032
35)	L7 AR-1260-5	8.424	7.456	68921769	60212728	504.265	467.544

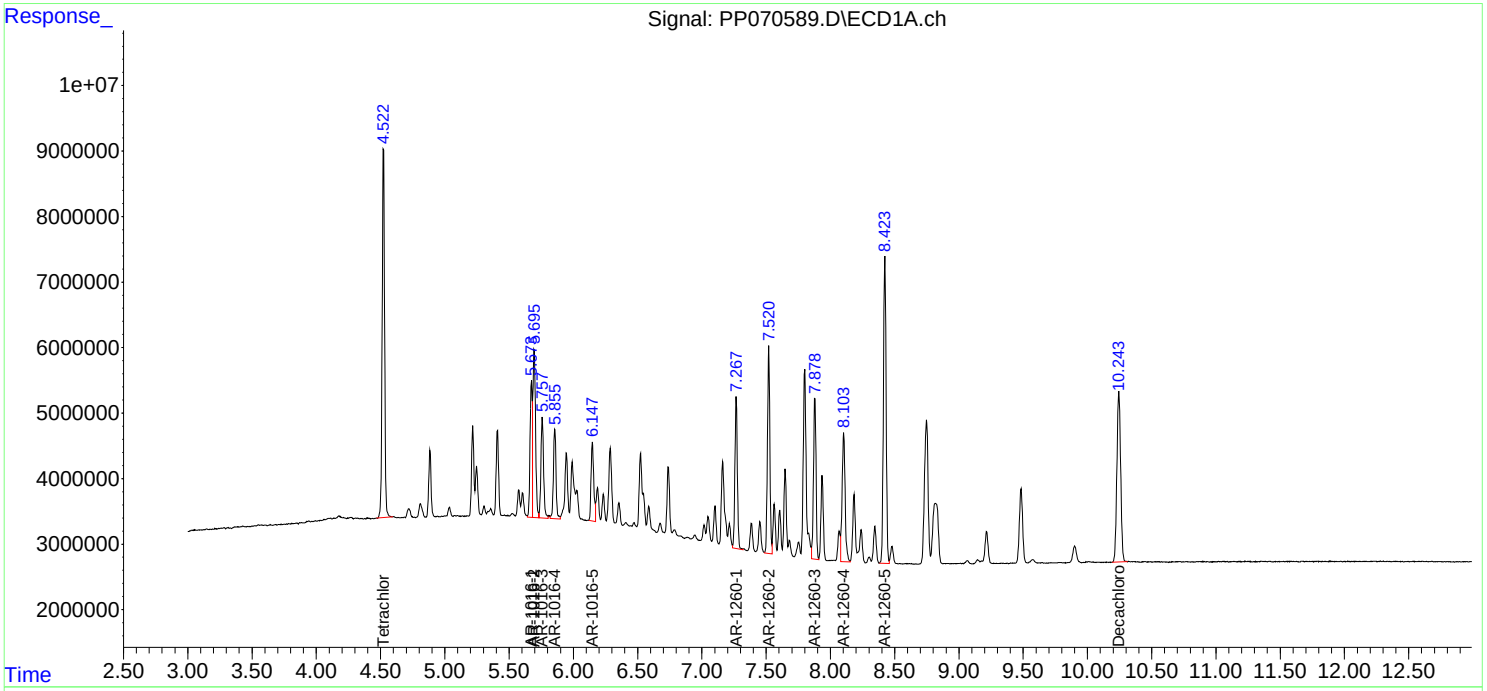
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

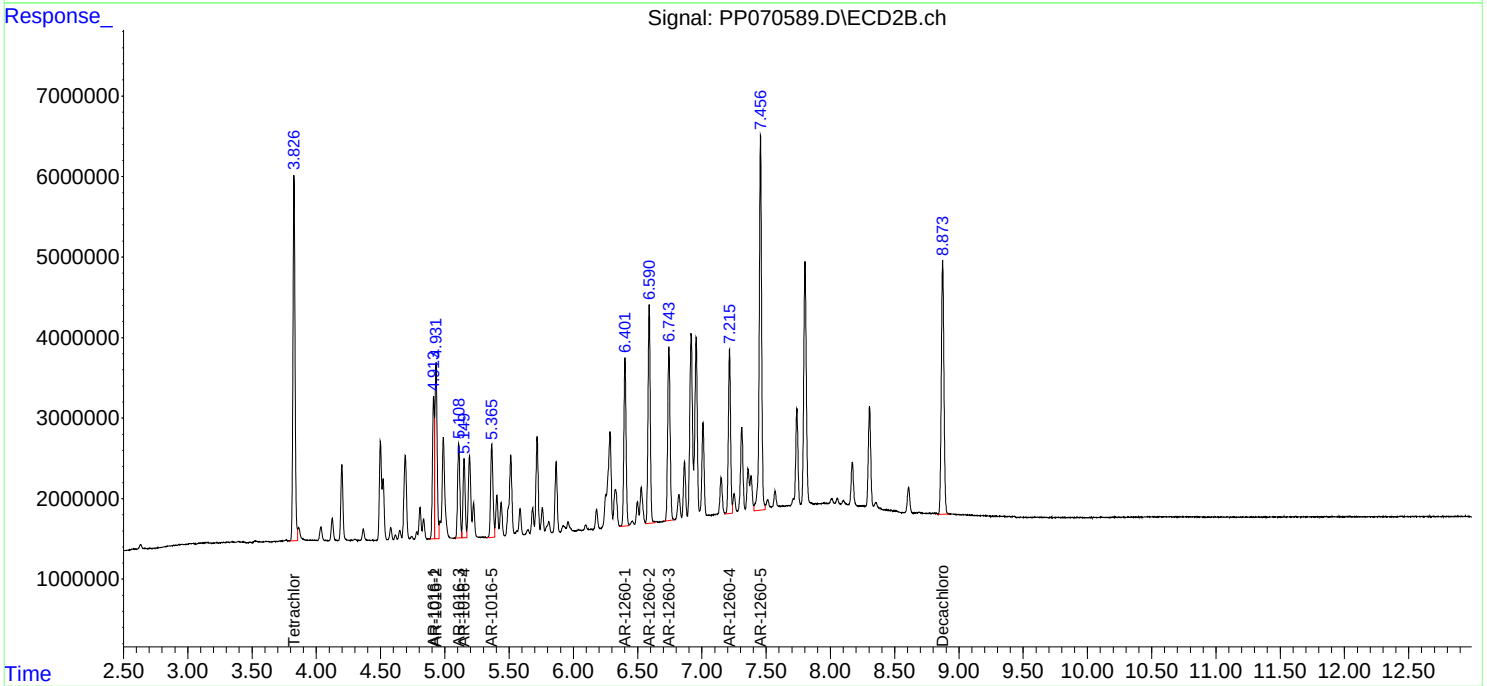
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 14:00
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

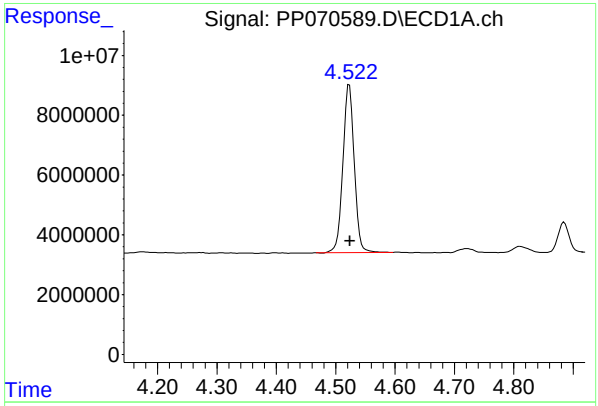
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



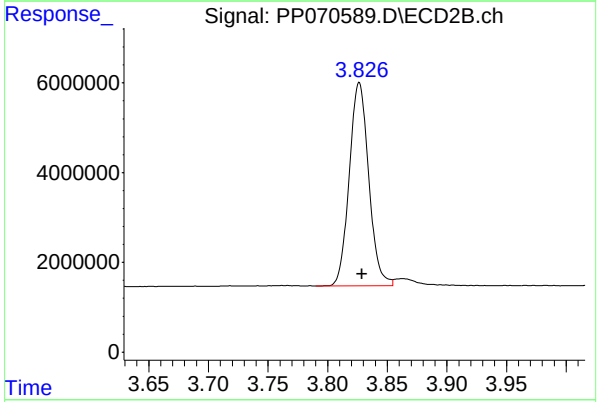




#1 Tetrachloro-m-xylene

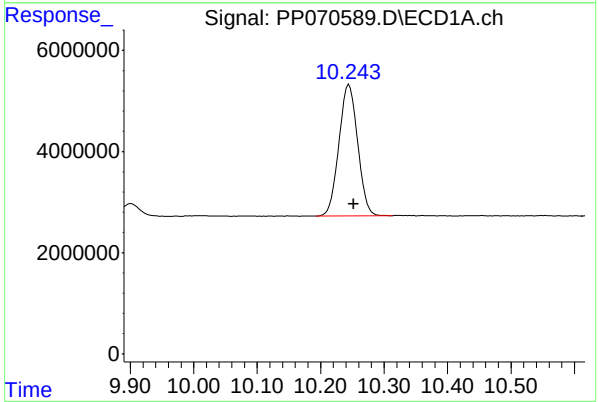
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 74983034
Conc: 48.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



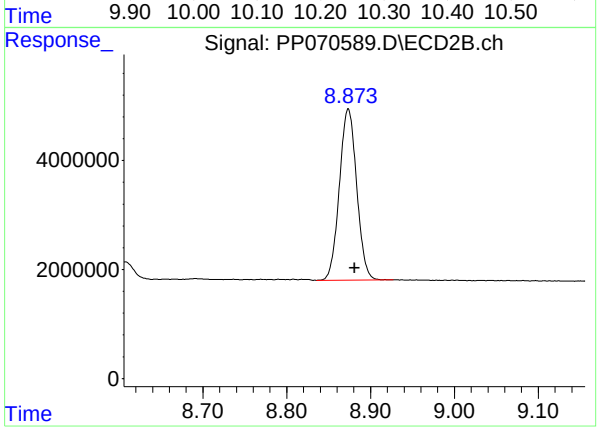
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 51473099
Conc: 51.36 ng/ml



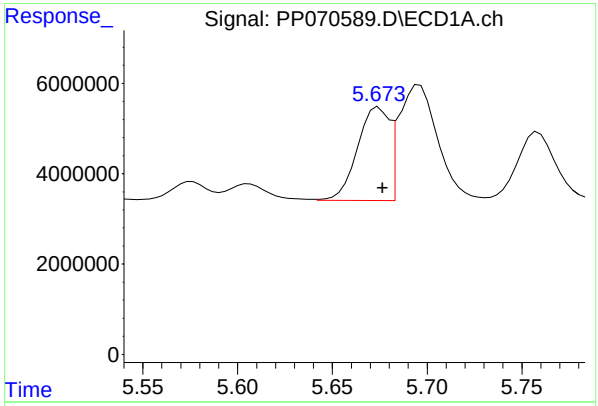
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 53242264
Conc: 50.12 ng/ml



#2 Decachlorobiphenyl

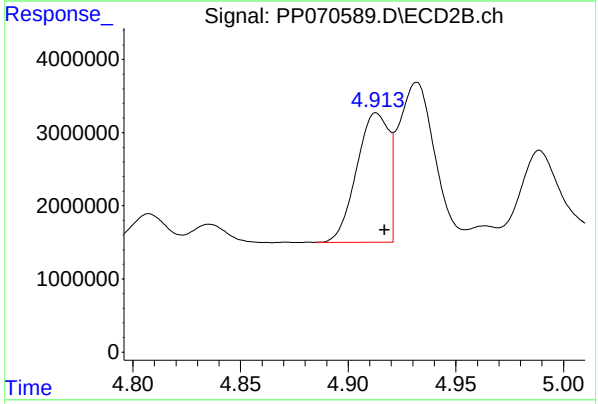
R.T.: 8.874 min
Delta R.T.: -0.008 min
Response: 45022317
Conc: 46.02 ng/ml



#3 AR-1016-1

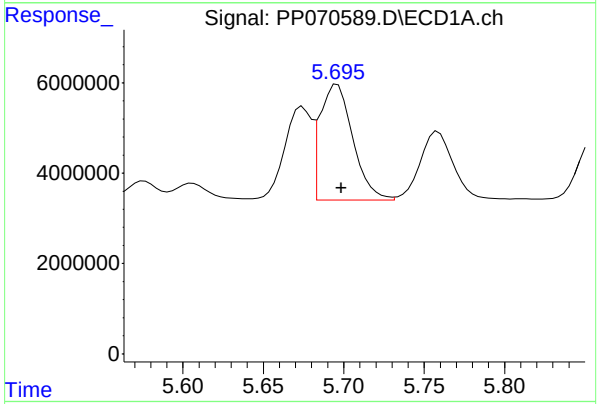
R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 24095295
Conc: 464.70 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



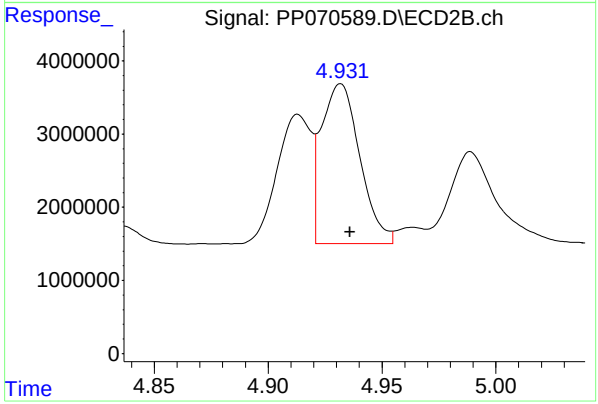
#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 18461721
Conc: 513.50 ng/ml



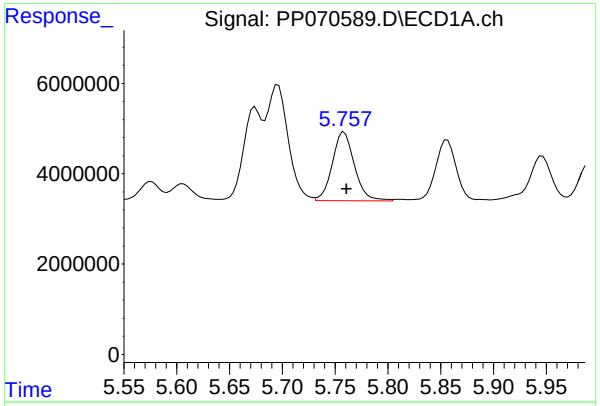
#4 AR-1016-2

R.T.: 5.696 min
Delta R.T.: -0.003 min
Response: 36523489
Conc: 510.50 ng/ml



#4 AR-1016-2

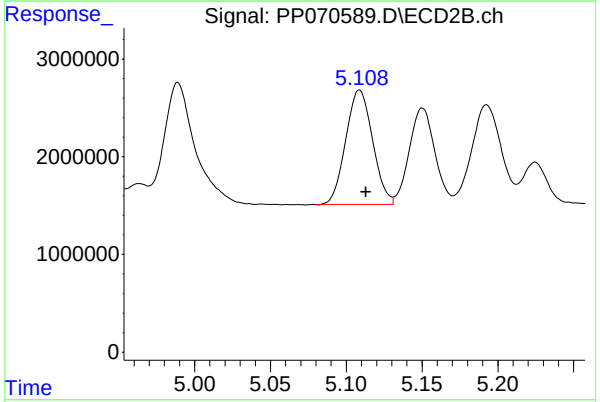
R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 25692761
Conc: 494.41 ng/ml



#5 AR-1016-3

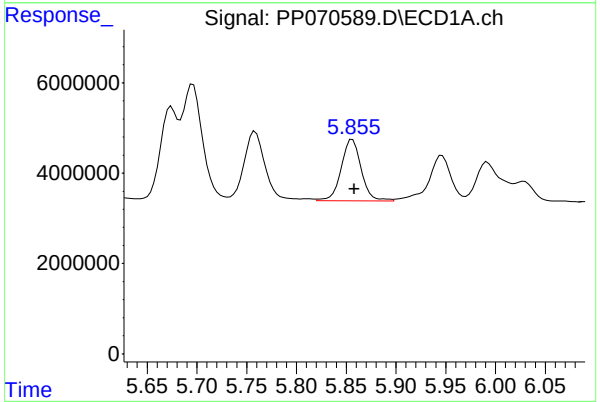
R.T.: 5.759 min
Delta R.T.: -0.002 min
Response: 22280060
Conc: 489.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



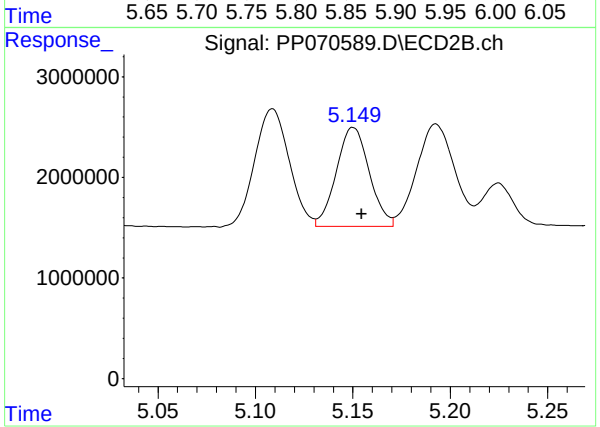
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 14422233
Conc: 506.87 ng/ml



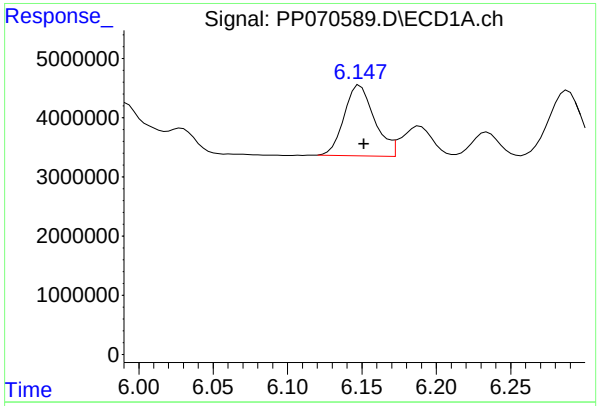
#6 AR-1016-4

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 19068242
Conc: 488.46 ng/ml



#6 AR-1016-4

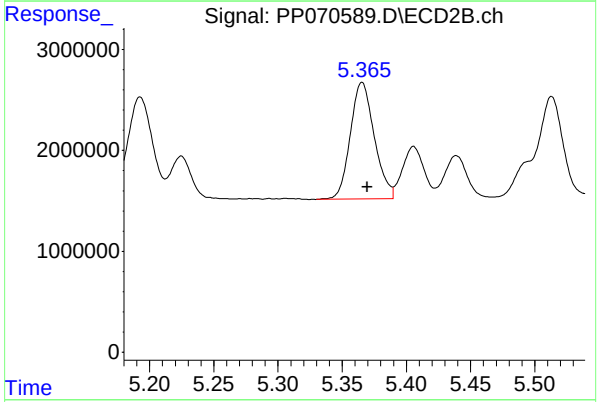
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 11553330
Conc: 516.01 ng/ml



#7 AR-1016-5

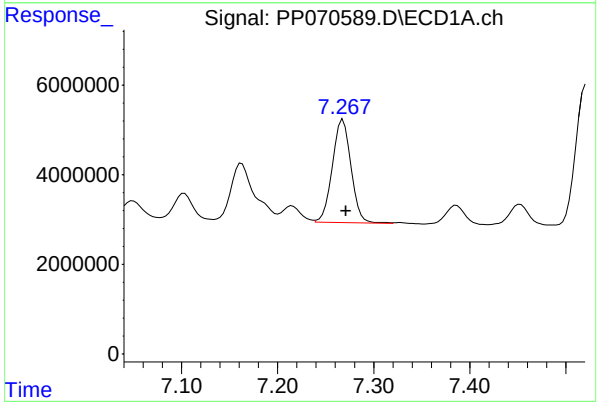
R.T.: 6.149 min
Delta R.T.: -0.003 min
Response: 16937091
Conc: 489.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



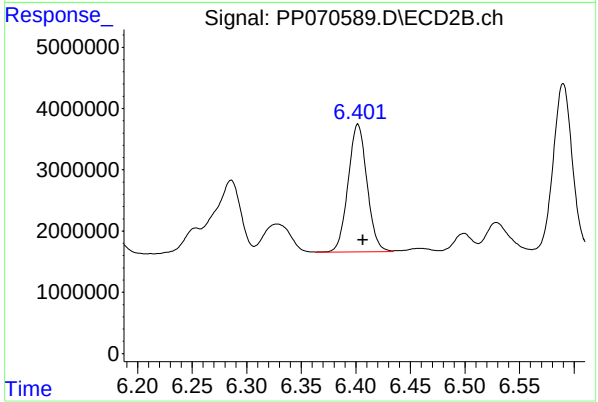
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.004 min
Response: 15057475
Conc: 506.66 ng/ml



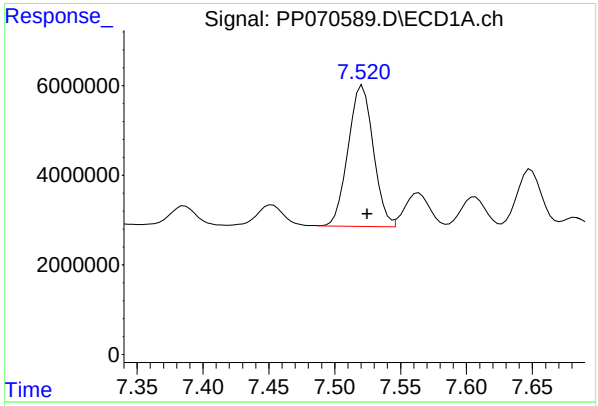
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 30601597
Conc: 520.98 ng/ml



#31 AR-1260-1

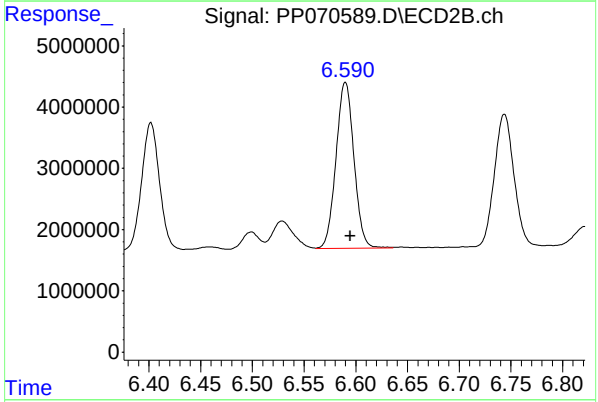
R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 25121600
Conc: 504.61 ng/ml



#32 AR-1260-2

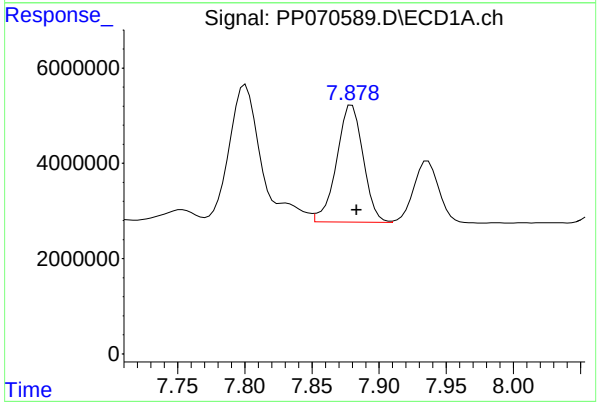
R.T.: 7.521 min
Delta R.T.: -0.004 min
Response: 41848207
Conc: 510.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



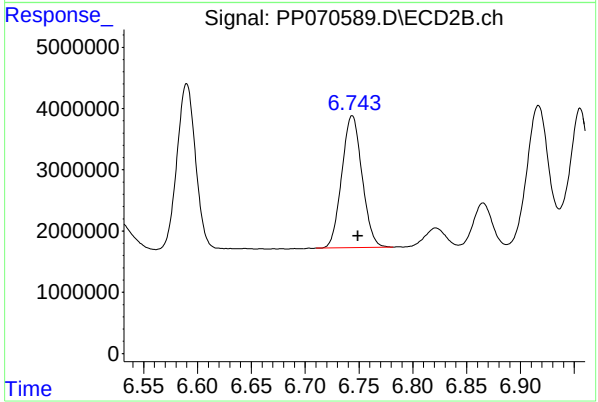
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 32757904
Conc: 495.67 ng/ml



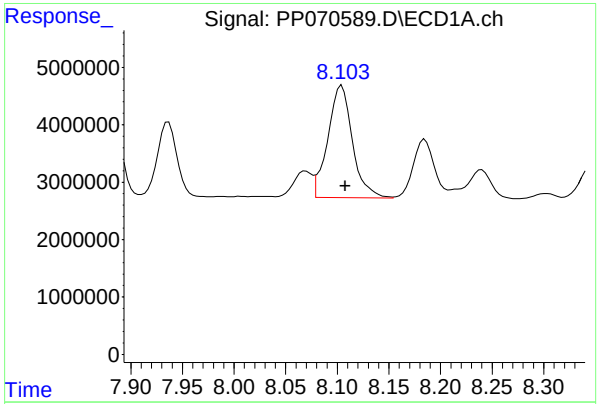
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 33718797
Conc: 512.77 ng/ml



#33 AR-1260-3

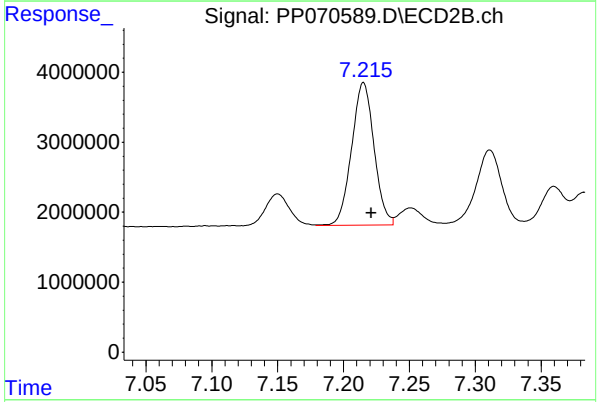
R.T.: 6.744 min
Delta R.T.: -0.005 min
Response: 28211056
Conc: 493.22 ng/ml



#34 AR-1260-4

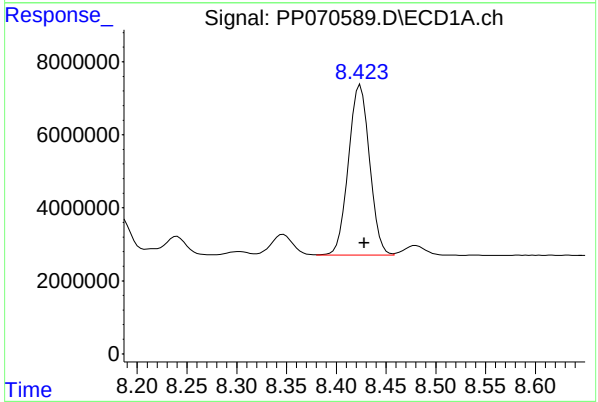
R.T.: 8.104 min
Delta R.T.: -0.003 min
Response: 32337322
Conc: 494.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



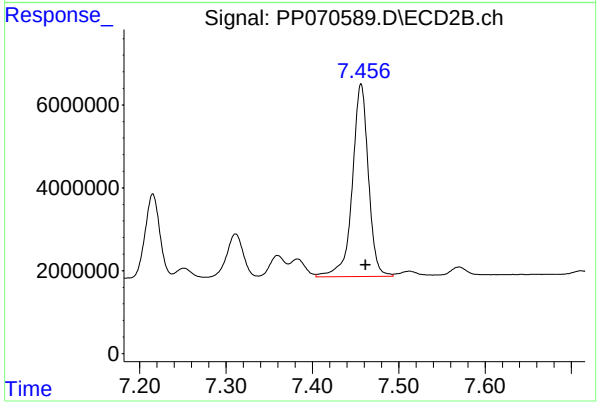
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 24150825
Conc: 472.03 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 min
Response: 68921769
Conc: 504.27 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.005 min
Response: 60212728
Conc: 467.54 ng/ml

Raw Data: **PP070604.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 18:37 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

Raw Data: **PP070604.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 18:37 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL12 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070604.D **Time Analyzed:** 18:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.675	5.577	5.777	469.500	500.000	-6.1
Aroclor-1016-2	5.697	5.599	5.799	514.170	500.000	2.8
Aroclor-1016-3	5.760	5.661	5.861	487.100	500.000	-2.6
Aroclor-1016-4	5.857	5.758	5.958	482.110	500.000	-3.6
Aroclor-1016-5	6.150	6.051	6.251	481.210	500.000	-3.8
Aroclor-1260-1	7.268	7.171	7.371	506.790	500.000	1.4
Aroclor-1260-2	7.522	7.425	7.625	510.190	500.000	2.0
Aroclor-1260-3	7.880	7.783	7.983	511.570	500.000	2.3
Aroclor-1260-4	8.105	8.008	8.208	492.860	500.000	-1.4
Aroclor-1260-5	8.425	8.328	8.528	503.040	500.000	0.6
Decachlorobiphenyl	10.243	10.152	10.352	49.810	50.000	-0.4
Tetrachloro-m-xylene	4.524	4.424	4.624	49.030	50.000	-1.9

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL12 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070604.D **Time Analyzed:** 18:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.911	4.817	5.017	510.710	500.000	2.1
Aroclor-1016-2	4.930	4.836	5.036	494.880	500.000	-1.0
Aroclor-1016-3	5.107	5.013	5.213	500.540	500.000	0.1
Aroclor-1016-4	5.149	5.054	5.254	510.540	500.000	2.1
Aroclor-1016-5	5.364	5.270	5.470	504.900	500.000	1.0
Aroclor-1260-1	6.400	6.307	6.507	489.900	500.000	-2.0
Aroclor-1260-2	6.588	6.495	6.695	481.780	500.000	-3.6
Aroclor-1260-3	6.742	6.649	6.849	478.610	500.000	-4.3
Aroclor-1260-4	7.214	7.121	7.321	459.970	500.000	-8.0
Aroclor-1260-5	7.455	7.362	7.562	464.860	500.000	-7.0
Decachlorobiphenyl	8.871	8.781	8.981	44.050	50.000	-11.9
Tetrachloro-m-xylene	3.824	3.729	3.929	49.130	50.000	-1.7

Quantitation Report (QT Reviewed)

Sample Results: **PP070604.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 18:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.824	76258811	49244994	49.029	49.133
2)	SA Decachlor...	10.243	8.871	52919666	43098503	49.814	44.052
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.911	24343910	18361448	469.496	510.714
4)	L1 AR-1016-2	5.697	4.930	36785899	25717136	514.166	494.878
5)	L1 AR-1016-3	5.760	5.107	22181610	14242067	487.102	500.540
6)	L1 AR-1016-4	5.857	5.149	18820671	11430831	482.114	510.535
7)	L1 AR-1016-5	6.150	5.364	16660399	15004914	481.208	504.895
31)	L7 AR-1260-1	7.268	6.400	29767974	24389180	506.791	489.896
32)	L7 AR-1260-2	7.522	6.588	41857489	31839717	510.190	481.781
33)	L7 AR-1260-3	7.880	6.742	33639499	27375384	511.568	478.613
34)	L7 AR-1260-4	8.105	7.214	32204834	23533676	492.860	459.970
35)	L7 AR-1260-5	8.425	7.455	68754168	59867104	503.039	464.860

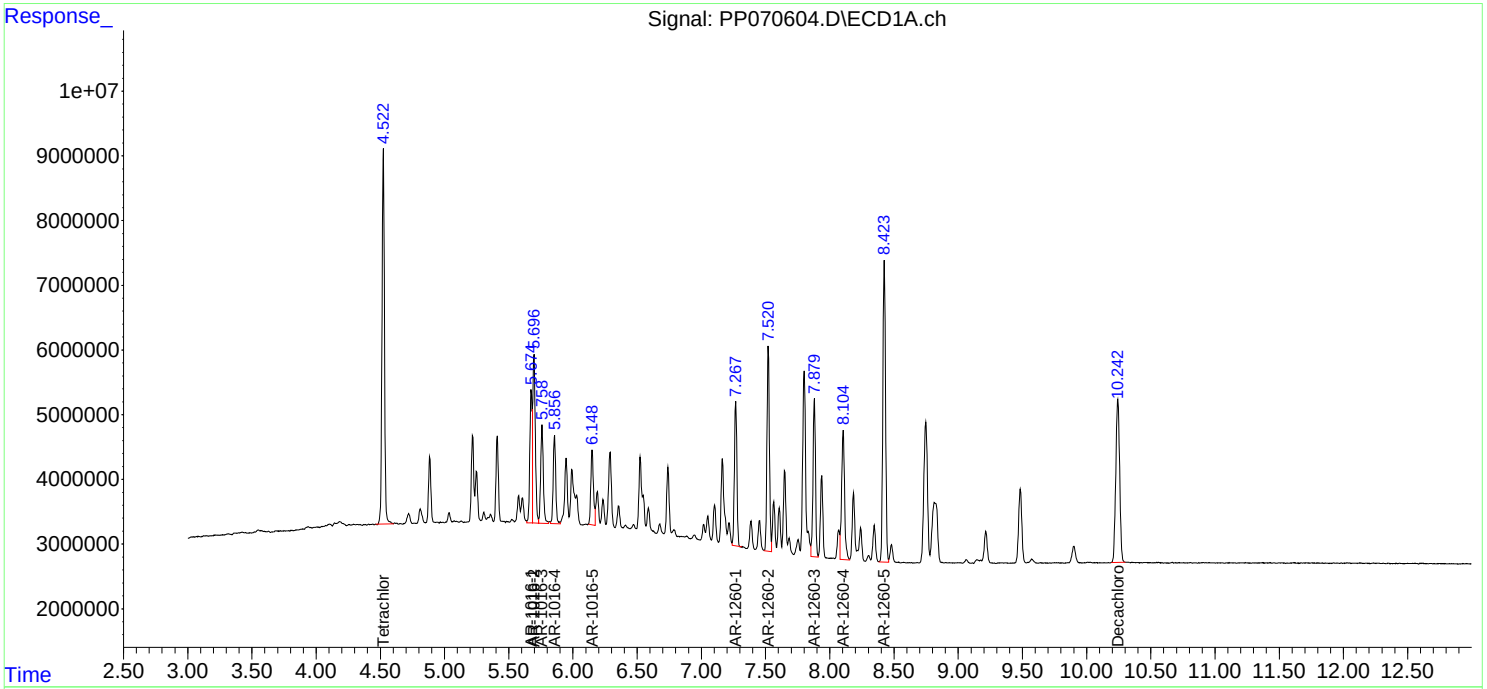
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

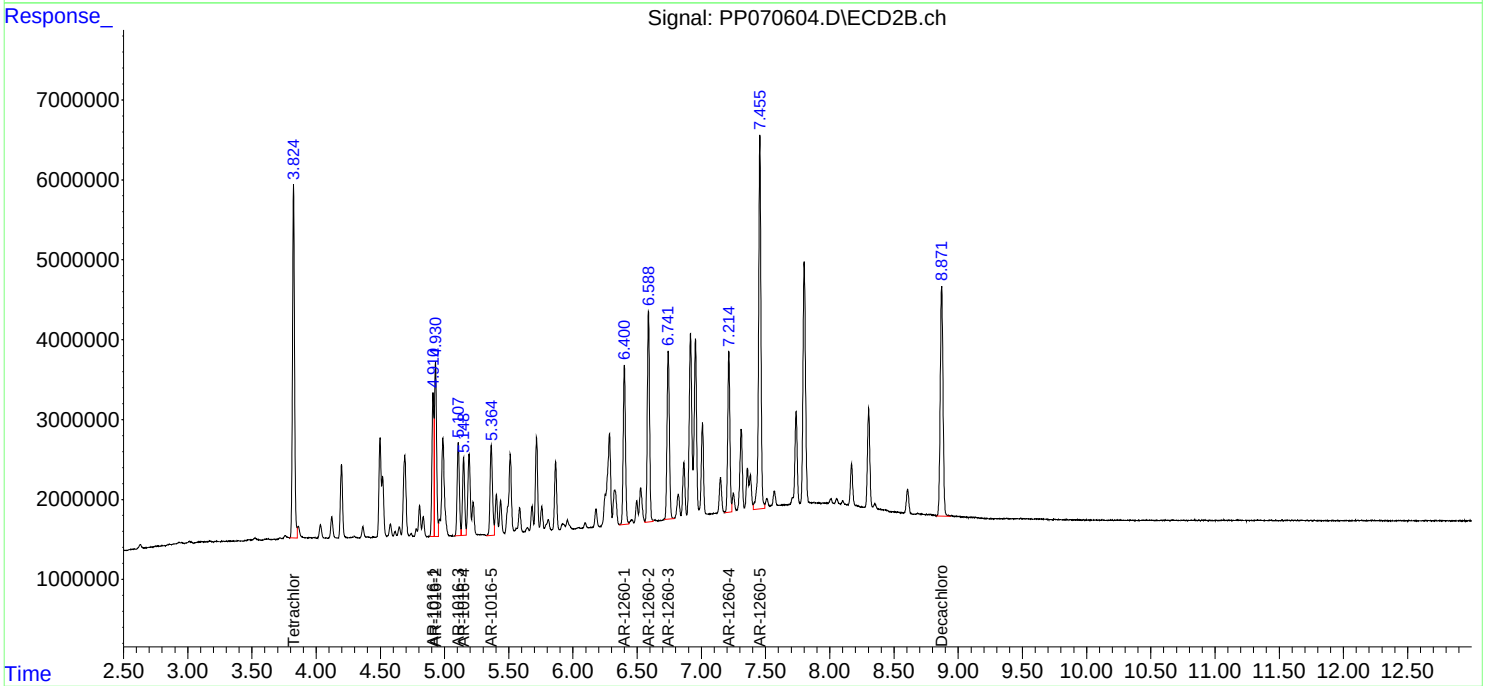
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 18:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

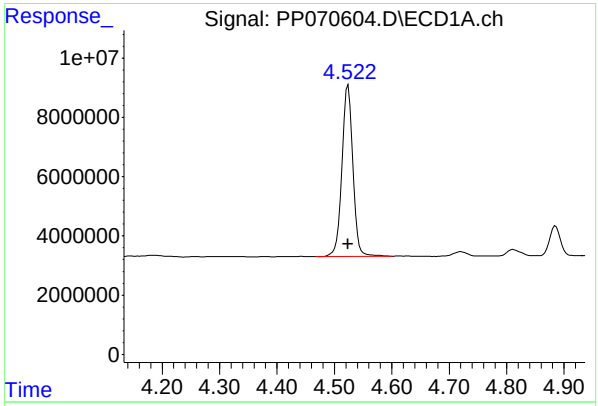
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



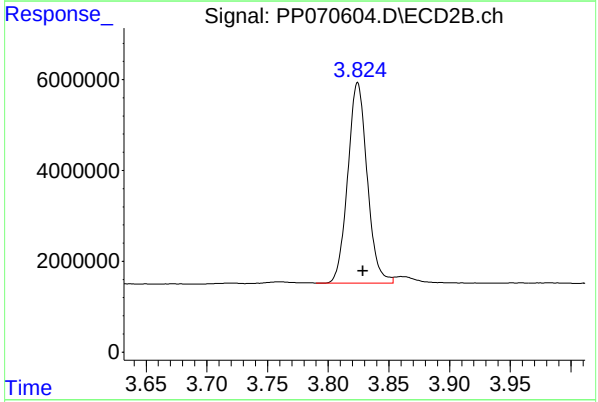




#1 Tetrachloro-m-xylene

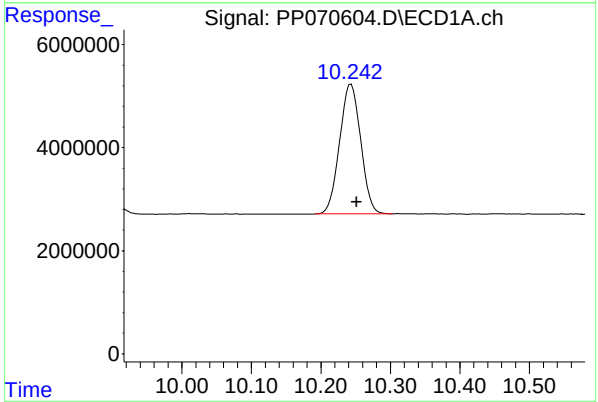
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 76258811
Conc: 49.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



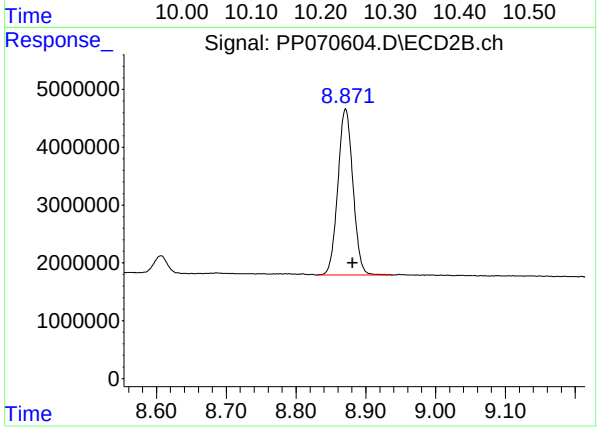
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 49244994
Conc: 49.13 ng/ml



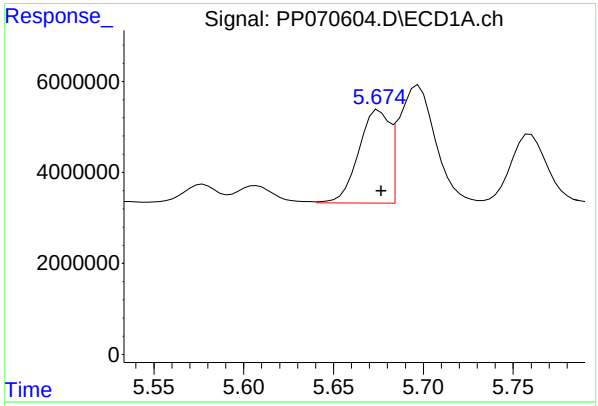
#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.008 min
Response: 52919666
Conc: 49.81 ng/ml



#2 Decachlorobiphenyl

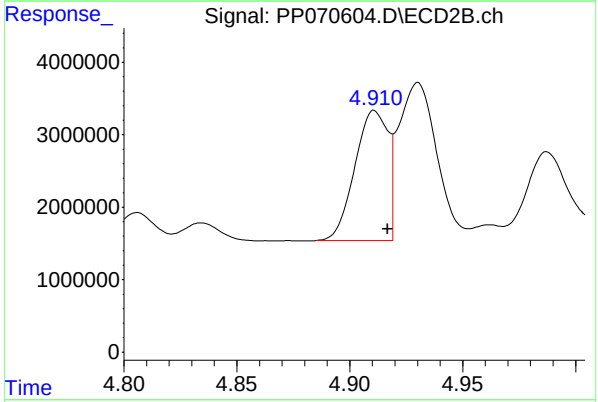
R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 43098503
Conc: 44.05 ng/ml



#3 AR-1016-1

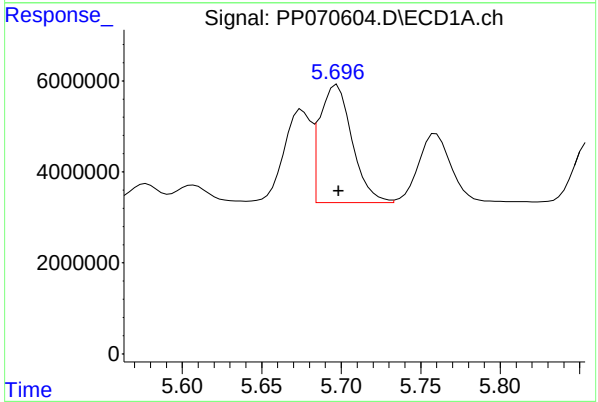
R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 24343910
Conc: 469.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



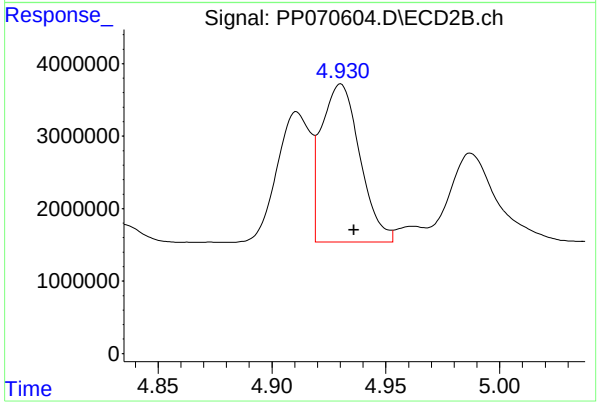
#3 AR-1016-1

R.T.: 4.911 min
Delta R.T.: -0.006 min
Response: 18361448
Conc: 510.71 ng/ml



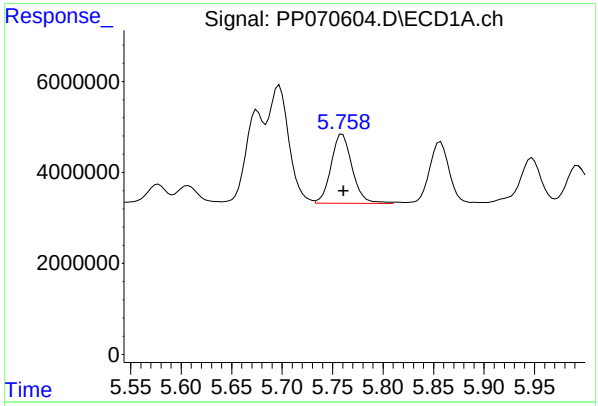
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 36785899
Conc: 514.17 ng/ml



#4 AR-1016-2

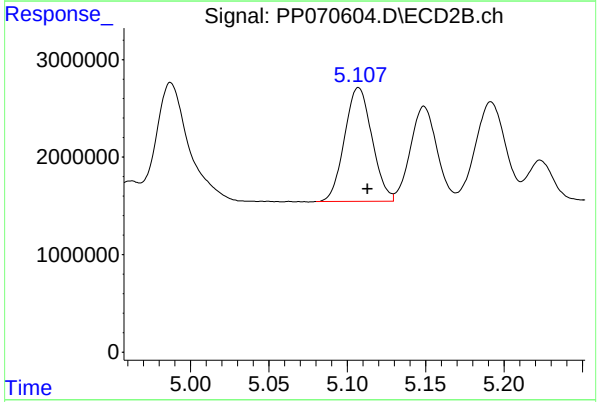
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 25717136
Conc: 494.88 ng/ml



#5 AR-1016-3

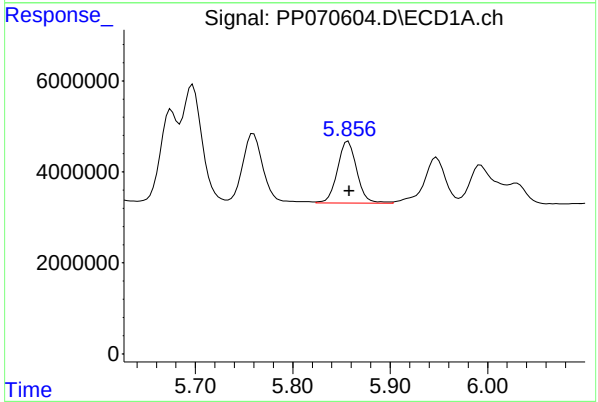
R.T.: 5.760 min
Delta R.T.: -0.001 min
Response: 22181610
Conc: 487.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



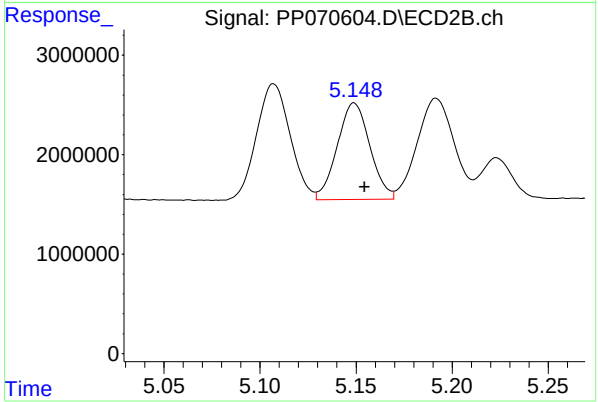
#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14242067
Conc: 500.54 ng/ml



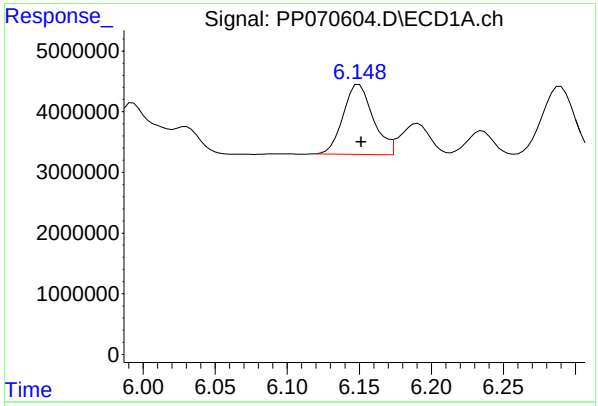
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 18820671
Conc: 482.11 ng/ml



#6 AR-1016-4

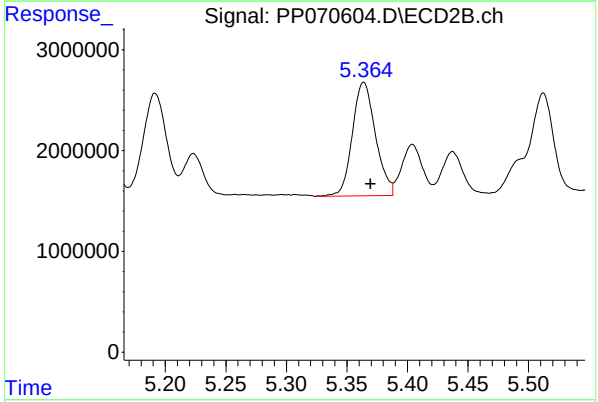
R.T.: 5.149 min
Delta R.T.: -0.006 min
Response: 11430831
Conc: 510.54 ng/ml



#7 AR-1016-5

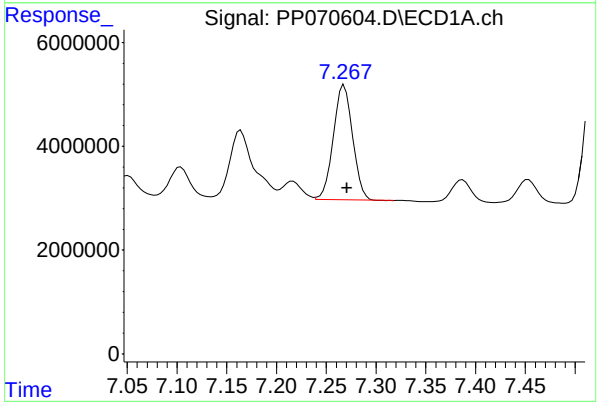
R.T.: 6.150 min
Delta R.T.: -0.002 min
Response: 16660399
Conc: 481.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



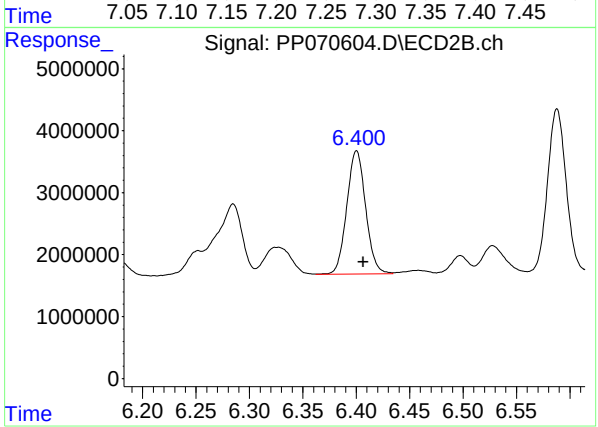
#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 15004914
Conc: 504.90 ng/ml



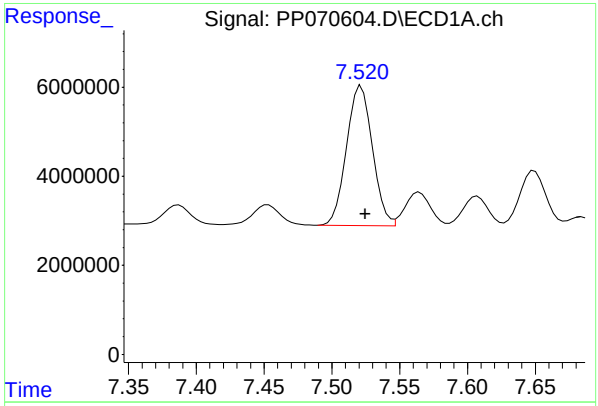
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 29767974
Conc: 506.79 ng/ml



#31 AR-1260-1

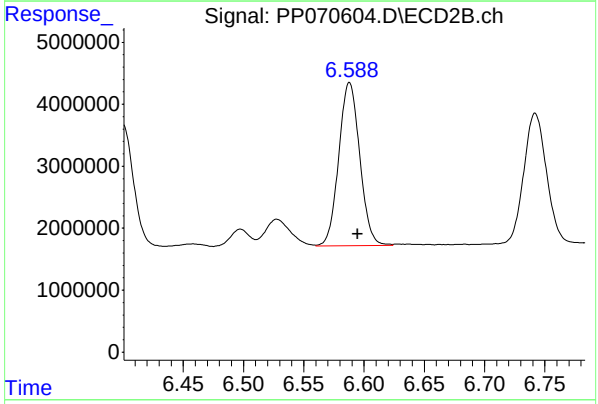
R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 24389180
Conc: 489.90 ng/ml



#32 AR-1260-2

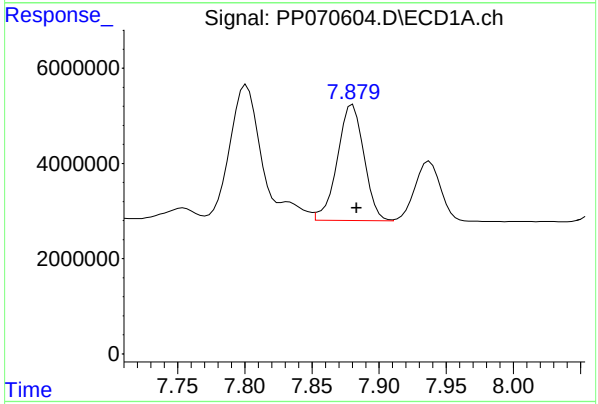
R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 41857489
Conc: 510.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



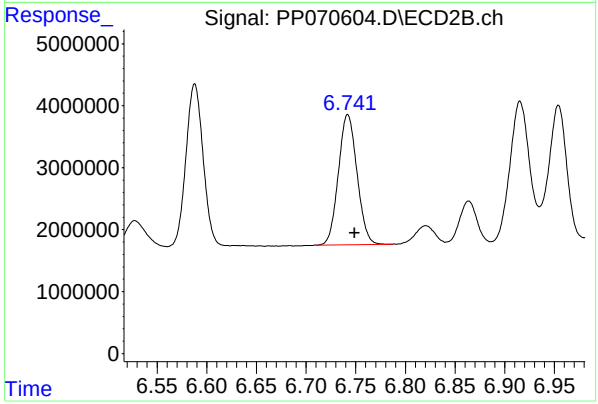
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 31839717
Conc: 481.78 ng/ml



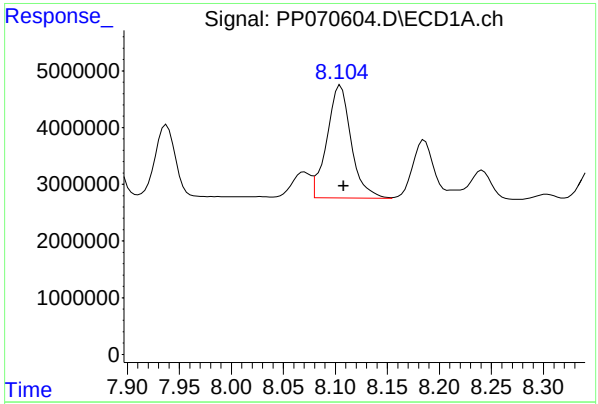
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 33639499
Conc: 511.57 ng/ml



#33 AR-1260-3

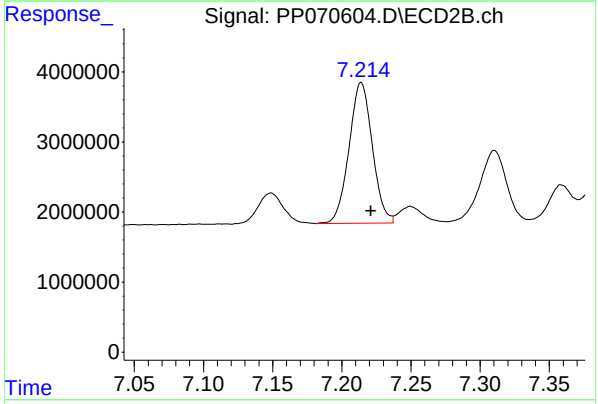
R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 27375384
Conc: 478.61 ng/ml



#34 AR-1260-4

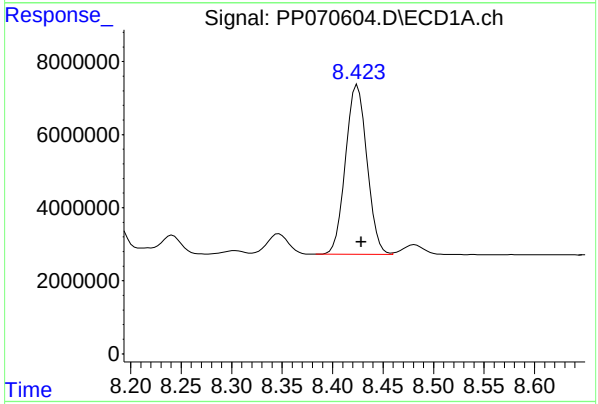
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 32204834
Conc: 492.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



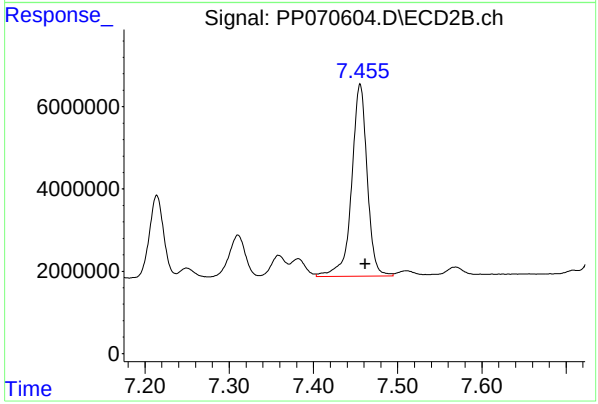
#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 23533676
Conc: 459.97 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 68754168
Conc: 503.04 ng/ml



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 59867104
Conc: 464.86 ng/ml

Raw Data: **PP070638.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 08:04 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

Raw Data: **PP070638.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 08:04 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Raw Data: **PP070638.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL13 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070638.D **Time Analyzed:** 08:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.577	5.777	491.070	500.000	-1.8
Aroclor-1016-2	5.697	5.599	5.799	526.430	500.000	5.3
Aroclor-1016-3	5.759	5.661	5.861	500.210	500.000	0.0
Aroclor-1016-4	5.857	5.758	5.958	501.550	500.000	0.3
Aroclor-1016-5	6.149	6.051	6.251	507.300	500.000	1.5
Aroclor-1260-1	7.268	7.171	7.371	540.250	500.000	8.1
Aroclor-1260-2	7.521	7.425	7.625	544.090	500.000	8.8
Aroclor-1260-3	7.880	7.783	7.983	538.320	500.000	7.7
Aroclor-1260-4	8.104	8.008	8.208	509.930	500.000	2.0
Aroclor-1260-5	8.425	8.328	8.528	516.460	500.000	3.3
Decachlorobiphenyl	10.245	10.152	10.352	52.050	50.000	4.1
Tetrachloro-m-xylene	4.523	4.424	4.624	51.150	50.000	2.3

Raw Data: **PP070638.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL13 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070638.D **Time Analyzed:** 08:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	517.050	500.000	3.4
Aroclor-1016-2	4.930	4.836	5.036	504.670	500.000	0.9
Aroclor-1016-3	5.107	5.013	5.213	516.450	500.000	3.3
Aroclor-1016-4	5.149	5.054	5.254	505.300	500.000	1.1
Aroclor-1016-5	5.364	5.270	5.470	587.100	500.000	17.4
Aroclor-1260-1	6.399	6.307	6.507	504.340	500.000	0.9
Aroclor-1260-2	6.588	6.495	6.695	502.900	500.000	0.6
Aroclor-1260-3	6.741	6.649	6.849	478.330	500.000	-4.3
Aroclor-1260-4	7.213	7.121	7.321	474.490	500.000	-5.1
Aroclor-1260-5	7.454	7.362	7.562	490.680	500.000	-1.9
Decachlorobiphenyl	8.870	8.781	8.981	49.050	50.000	-1.9
Tetrachloro-m-xylene	3.825	3.729	3.929	49.410	50.000	-1.2

Quantitation Report (QT Reviewed)

Sample Results: **PP070638.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:15:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.825	79561834	49525997	51.153	49.413
2)	SA Decachlor...	10.245	8.870	55293010	47993160	52.048	49.055
	Target Compounds						
3)	L1 AR-1016-1	5.676	4.912	25462595	18589142	491.071	517.047
4)	L1 AR-1016-2	5.697	4.930	37663393	26225875	526.431	504.667
5)	L1 AR-1016-3	5.759	5.107	22778454	14694812	500.208	516.452
6)	L1 AR-1016-4	5.857	5.149	19579219	11313578	501.545	505.298
7)	L1 AR-1016-5	6.149	5.364	17563643	17447844	507.297	587.096
31)	L7 AR-1260-1	7.268	6.399	31733107	25108122	540.246	504.337
32)	L7 AR-1260-2	7.521	6.588	44638455	33235119	544.086	502.896
33)	L7 AR-1260-3	7.880	6.741	35398772	27359384	538.322	478.333
34)	L7 AR-1260-4	8.104	7.213	33320397	24276736	509.932	474.493
35)	L7 AR-1260-5	8.425	7.454	70587971	63192606	516.456	490.682

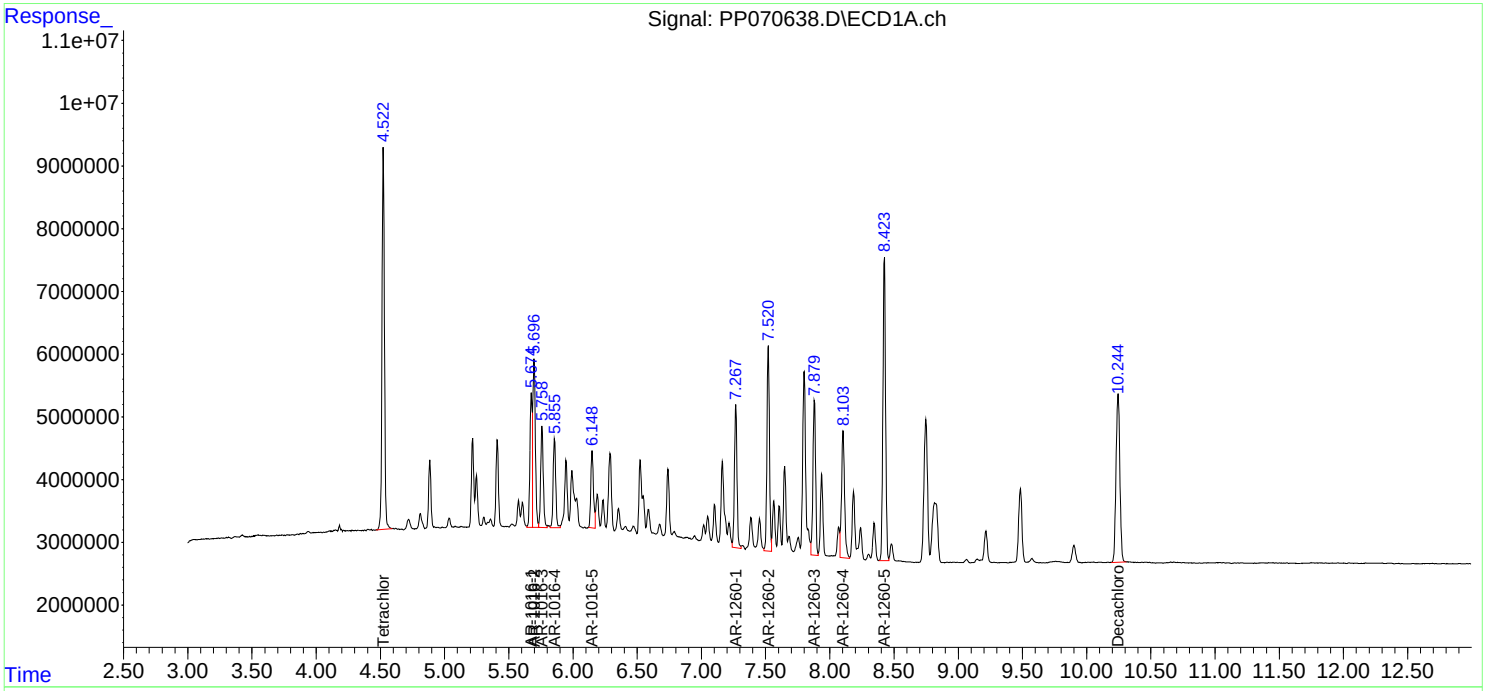
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

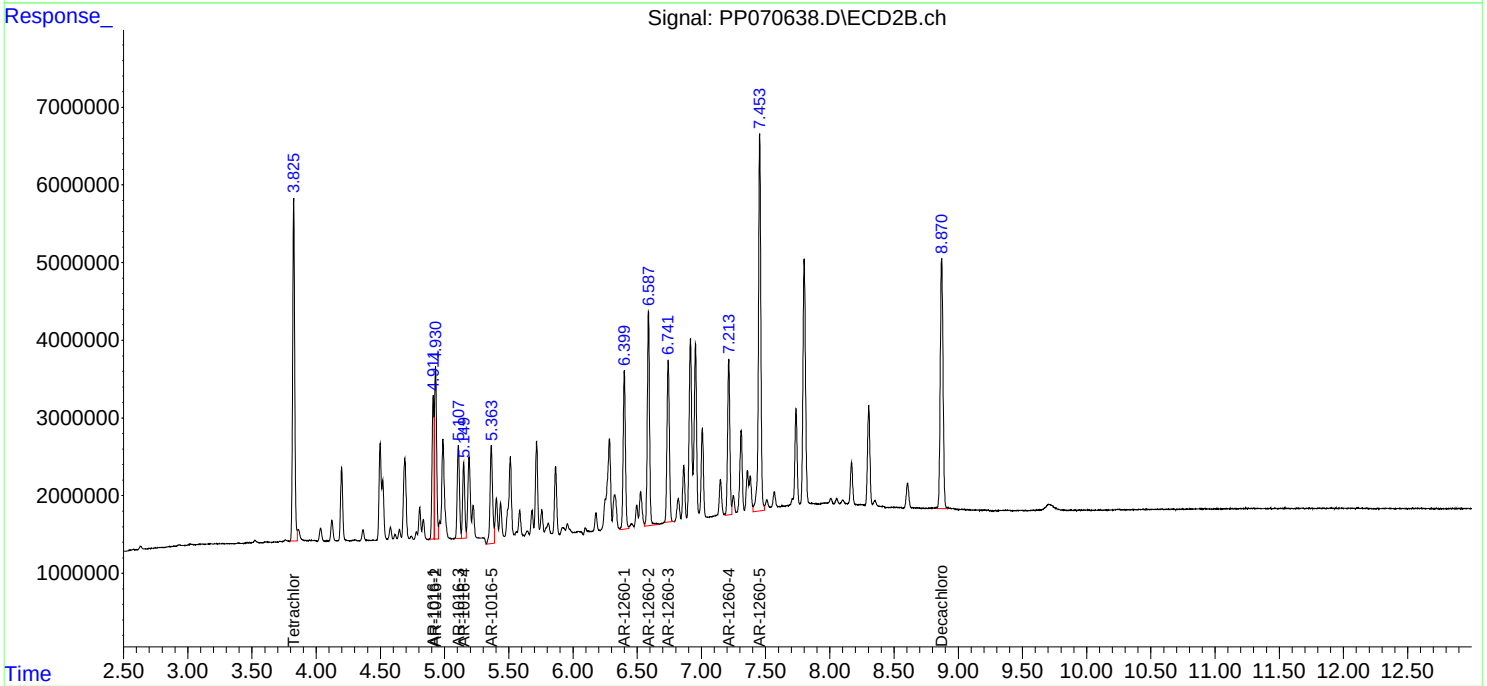
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

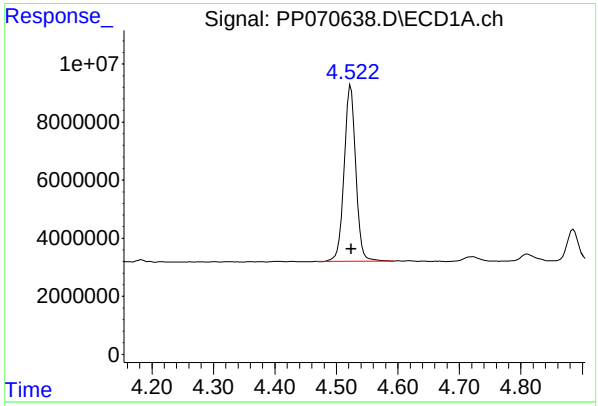
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:15:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



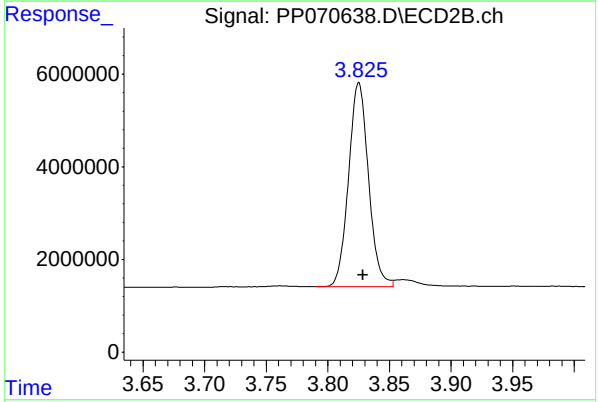




#1 Tetrachloro-m-xylene

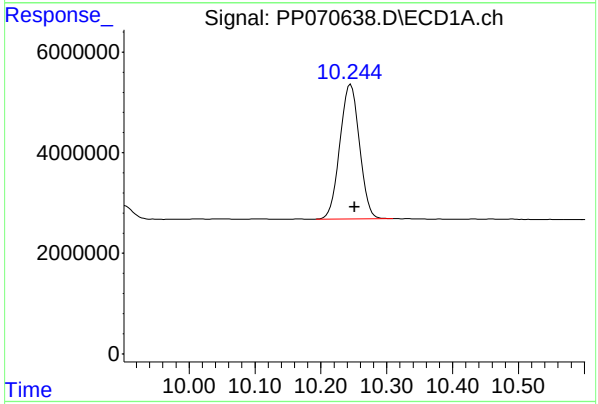
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 79561834
Conc: 51.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



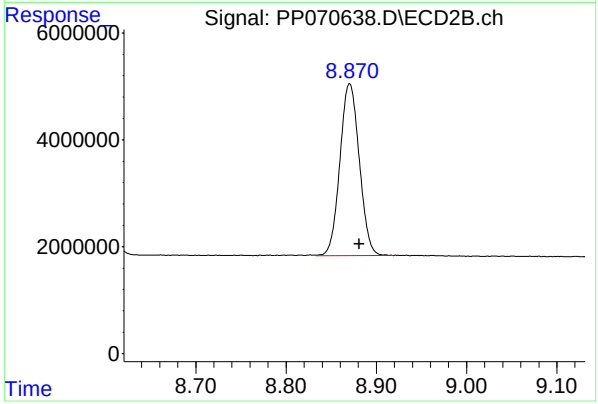
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 49525997
Conc: 49.41 ng/ml



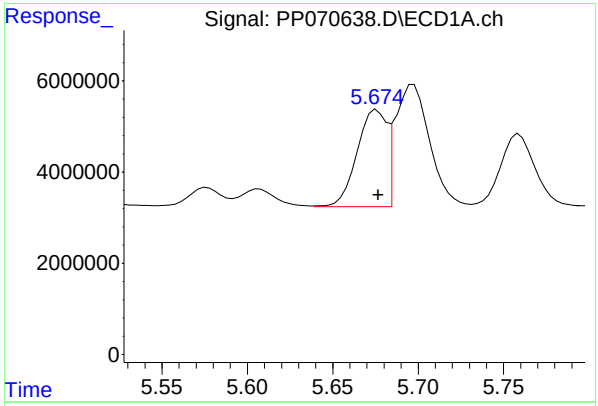
#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 55293010
Conc: 52.05 ng/ml



#2 Decachlorobiphenyl

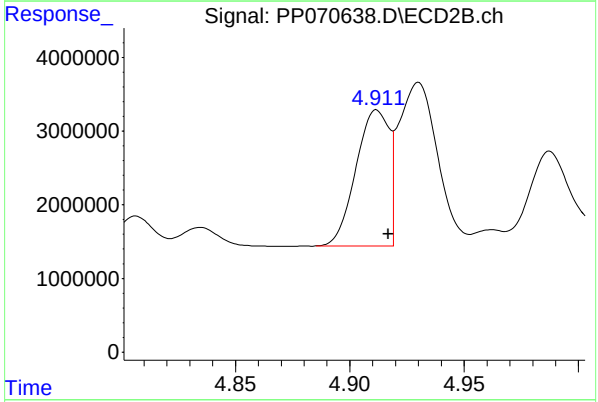
R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 47993160
Conc: 49.05 ng/ml



#3 AR-1016-1

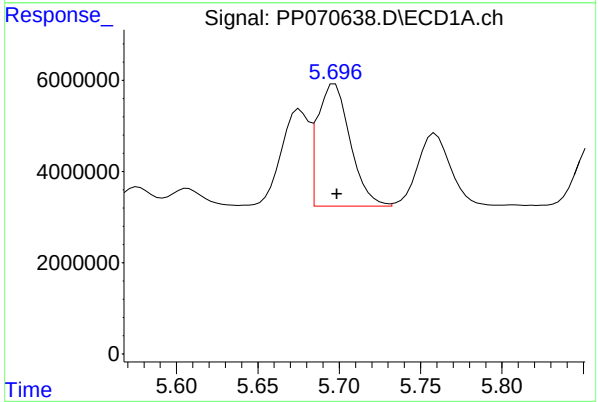
R.T.: 5.676 min
Delta R.T.: 0.000 mi
Response: 25462595
Conc: 491.07 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



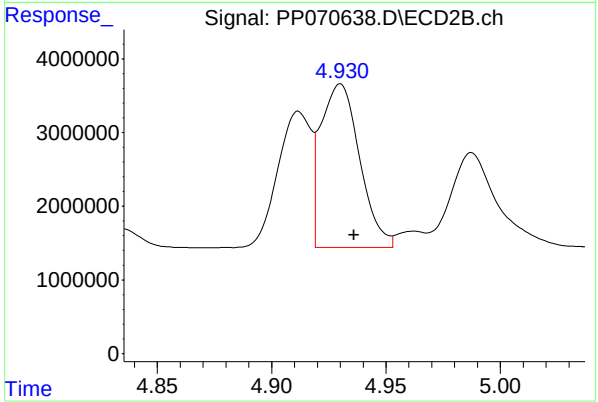
#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18589142
Conc: 517.05 ng/ml



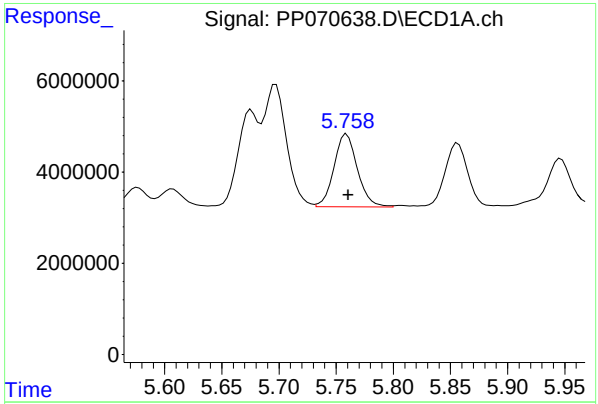
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 37663393
Conc: 526.43 ng/ml



#4 AR-1016-2

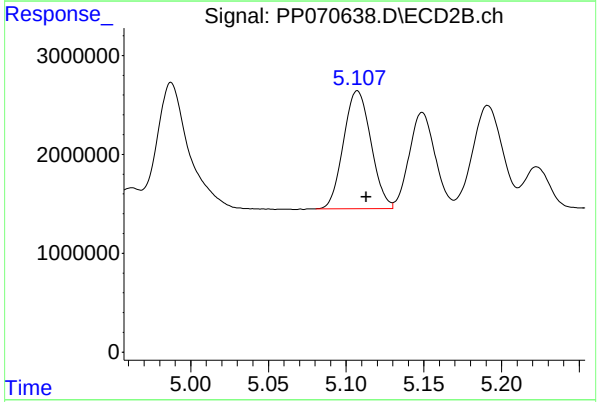
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 26225875
Conc: 504.67 ng/ml



#5 AR-1016-3

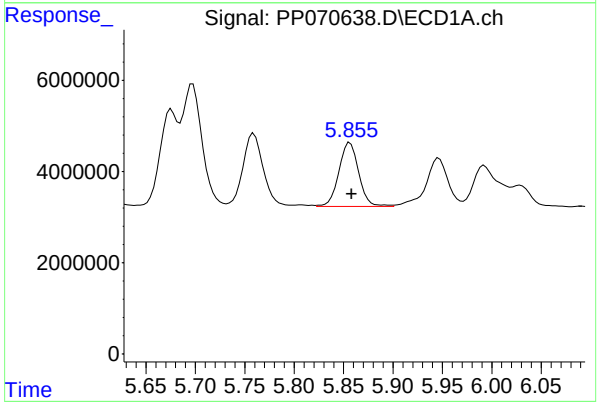
R.T.: 5.759 min
Delta R.T.: -0.002 mi
Response: 22778454
Conc: 500.21 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



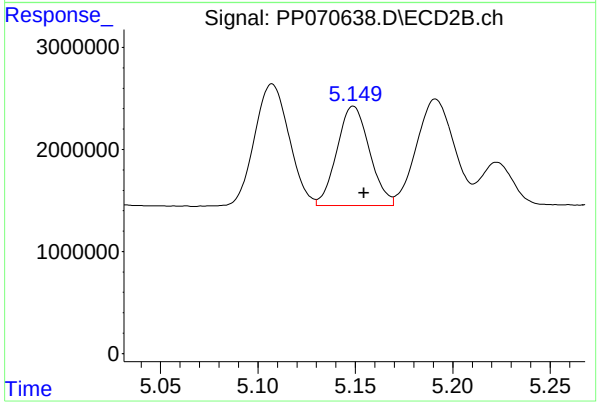
#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14694812
Conc: 516.45 ng/ml



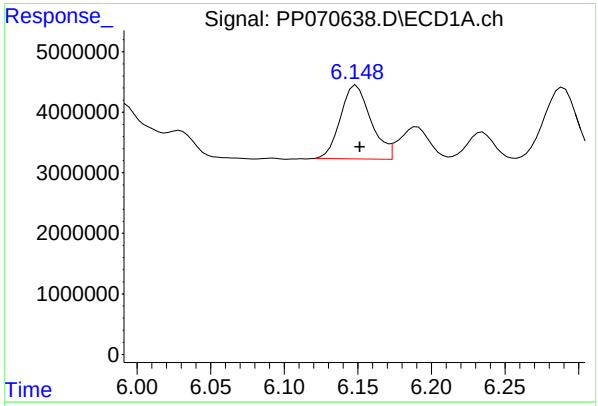
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 19579219
Conc: 501.55 ng/ml



#6 AR-1016-4

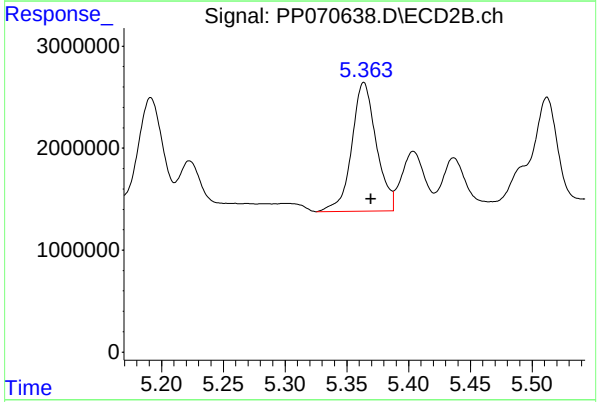
R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 11313578
Conc: 505.30 ng/ml



#7 AR-1016-5

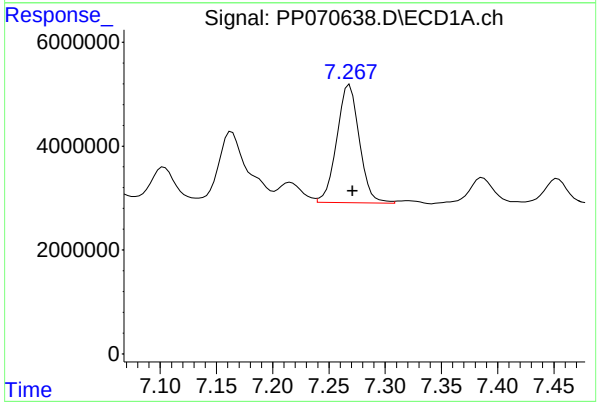
R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 17563643
Conc: 507.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



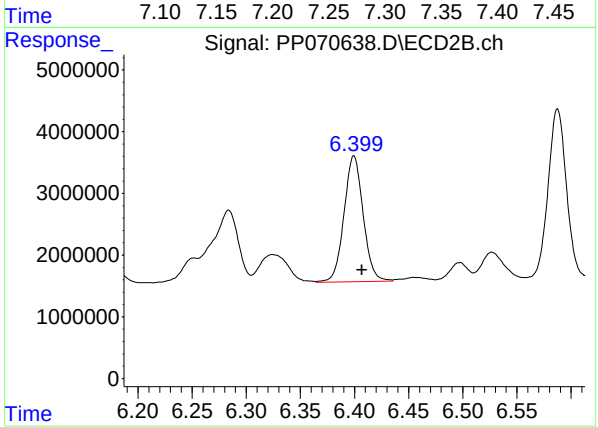
#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 17447844
Conc: 587.10 ng/ml



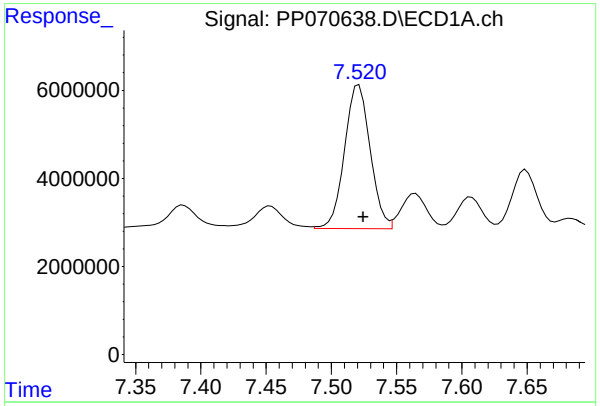
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 31733107
Conc: 540.25 ng/ml



#31 AR-1260-1

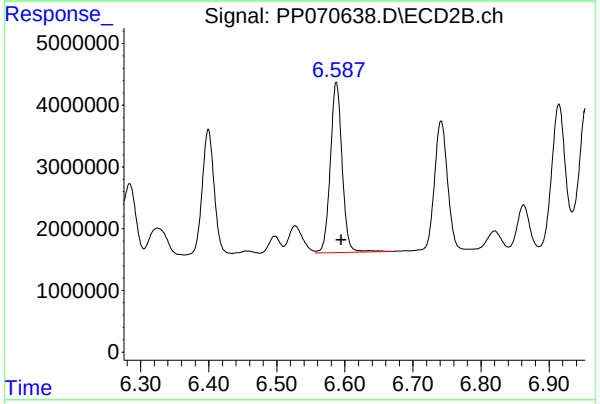
R.T.: 6.399 min
Delta R.T.: -0.007 min
Response: 25108122
Conc: 504.34 ng/ml



#32 AR-1260-2

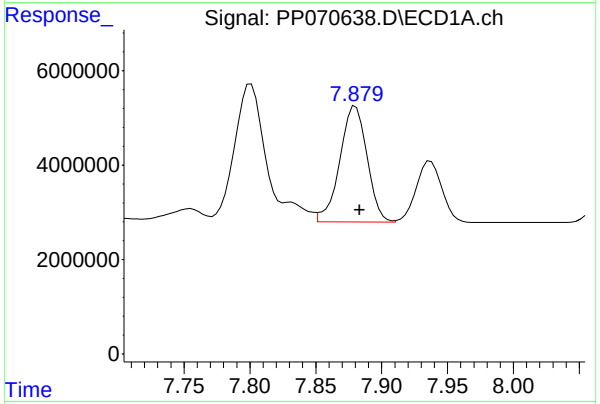
R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 44638455
Conc: 544.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



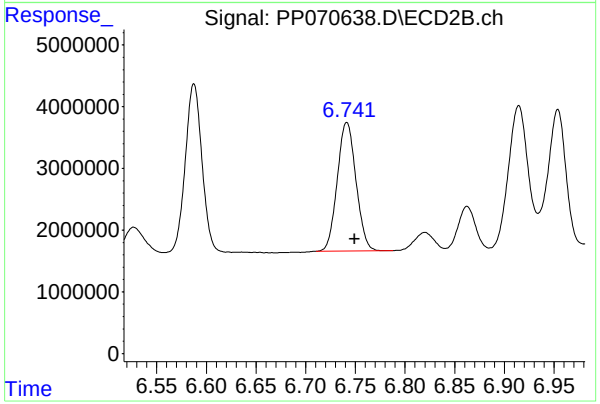
#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 33235119
Conc: 502.90 ng/ml



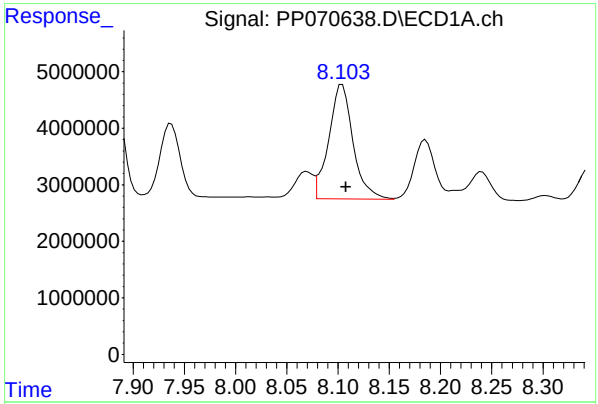
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 35398772
Conc: 538.32 ng/ml



#33 AR-1260-3

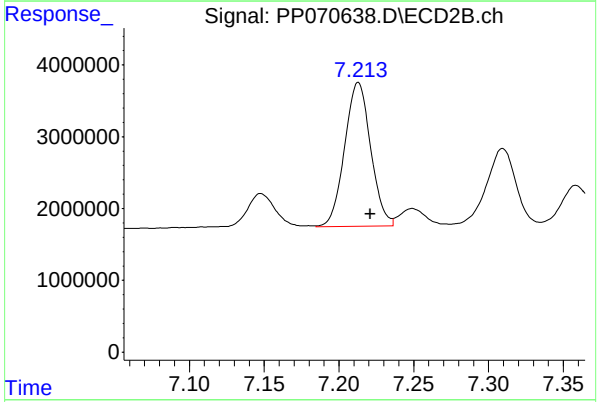
R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 27359384
Conc: 478.33 ng/ml



#34 AR-1260-4

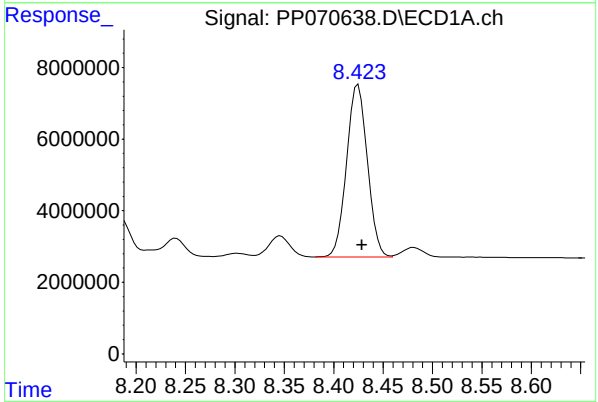
R.T.: 8.104 min
Delta R.T.: -0.004 min
Response: 33320397
Conc: 509.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



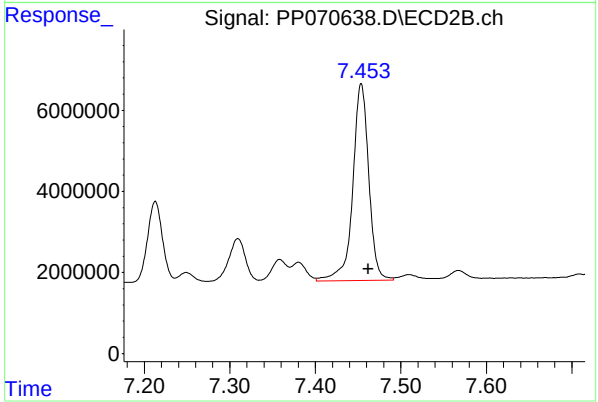
#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 24276736
Conc: 474.49 ng/ml



#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 70587971
Conc: 516.46 ng/ml



#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 63192606
Conc: 490.68 ng/ml

Raw Data: **PP070647.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 11:19 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

Raw Data: **PP070647.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

Continuing Calib Date: 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 11:19 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL14 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070647.D **Time Analyzed:** 11:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.672	5.577	5.777	475.020	500.000	-5.0
Aroclor-1016-2	5.694	5.599	5.799	517.610	500.000	3.5
Aroclor-1016-3	5.756	5.661	5.861	490.300	500.000	-1.9
Aroclor-1016-4	5.853	5.758	5.958	476.340	500.000	-4.7
Aroclor-1016-5	6.146	6.051	6.251	499.370	500.000	-0.1
Aroclor-1260-1	7.264	7.171	7.371	569.940	500.000	14.0
Aroclor-1260-2	7.518	7.425	7.625	541.090	500.000	8.2
Aroclor-1260-3	7.876	7.783	7.983	533.210	500.000	6.6
Aroclor-1260-4	8.101	8.008	8.208	506.300	500.000	1.3
Aroclor-1260-5	8.421	8.328	8.528	514.580	500.000	2.9
Decachlorobiphenyl	10.238	10.152	10.352	50.900	50.000	1.8
Tetrachloro-m-xylene	4.521	4.424	4.624	49.830	50.000	-0.3

Raw Data: **PP070647.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1572 **SAS No.:** Q1572 **SDG NO.:** Q1572

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL14 **Date Analyzed:** 03/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070647.D **Time Analyzed:** 11:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.909	4.817	5.017	493.750	500.000	-1.3
Aroclor-1016-2	4.928	4.836	5.036	487.120	500.000	-2.6
Aroclor-1016-3	5.105	5.013	5.213	490.310	500.000	-1.9
Aroclor-1016-4	5.147	5.054	5.254	481.210	500.000	-3.8
Aroclor-1016-5	5.361	5.270	5.470	508.140	500.000	1.6
Aroclor-1260-1	6.398	6.307	6.507	511.740	500.000	2.3
Aroclor-1260-2	6.585	6.495	6.695	490.830	500.000	-1.8
Aroclor-1260-3	6.739	6.649	6.849	476.910	500.000	-4.6
Aroclor-1260-4	7.211	7.121	7.321	466.460	500.000	-6.7
Aroclor-1260-5	7.452	7.362	7.562	462.540	500.000	-7.5
Decachlorobiphenyl	8.868	8.781	8.981	47.240	50.000	-5.5
Tetrachloro-m-xylene	3.823	3.729	3.929	50.280	50.000	0.6

Sample Results: **PP070647.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.823	77505097	50397214	49.830	50.283
2)	SA Decachlor...	10.238	8.868	54070749	46219599	50.898	47.242
	Target Compounds						
3)	L1 AR-1016-1	5.672	4.909	24630575	17751419	475.024	493.746
4)	L1 AR-1016-2	5.694	4.928	37032597	25314090	517.614	487.122
5)	L1 AR-1016-3	5.756	5.105	22327366	13951100	490.303	490.314
6)	L1 AR-1016-4	5.853	5.147	18595371	10774180	476.343	481.207
7)	L1 AR-1016-5	6.146	5.361	17289083	15101211	499.367	508.135m
31)	L7 AR-1260-1	7.264	6.398	33477094	25476571	569.937	511.738
32)	L7 AR-1260-2	7.518	6.585	44392277	32437993	541.085	490.834
33)	L7 AR-1260-3	7.876	6.739	35062904	27278204	533.214	476.914
34)	L7 AR-1260-4	8.101	7.211	33083330	23865946	506.304	466.464
35)	L7 AR-1260-5	8.421	7.452	70331248	59568206	514.578	462.539

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PP070647.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

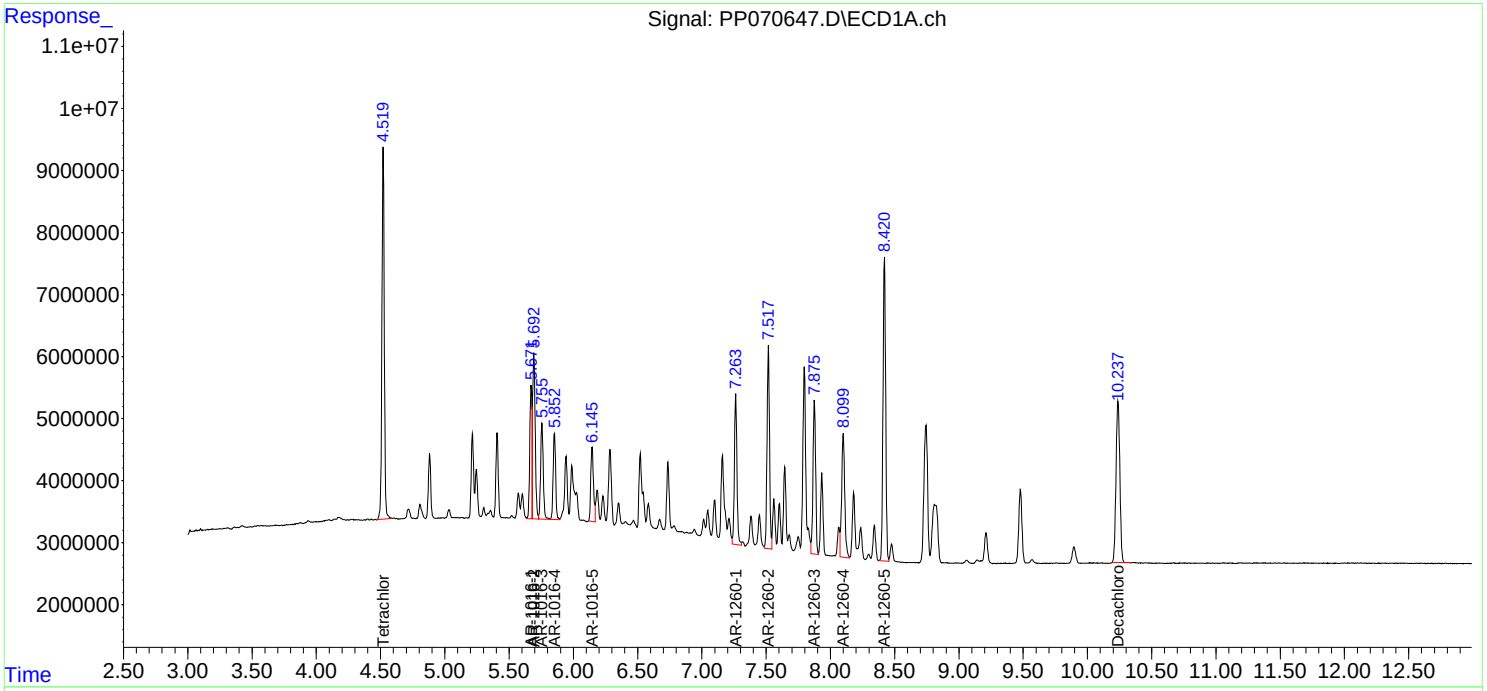
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

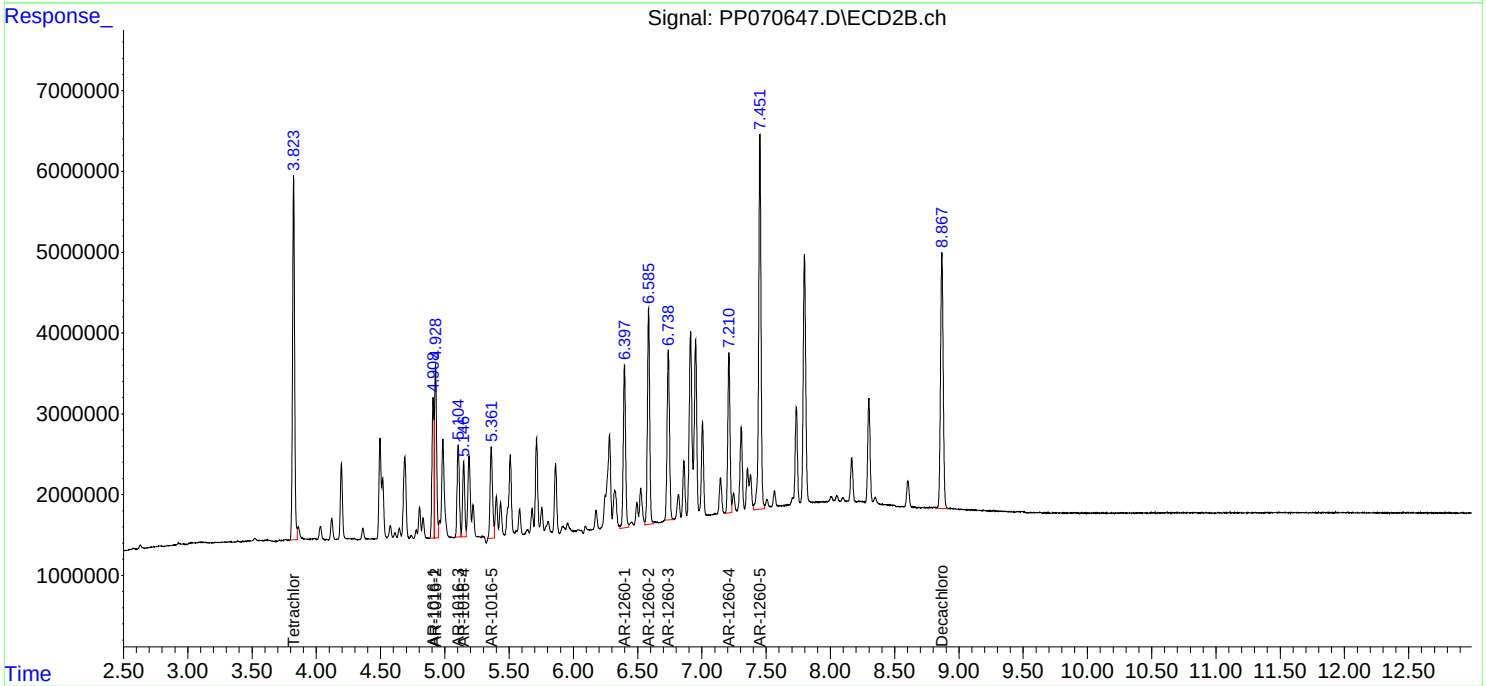
Manual Integrations APPROVED

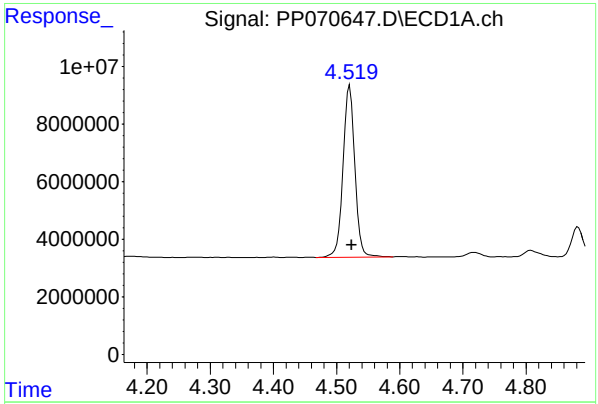
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







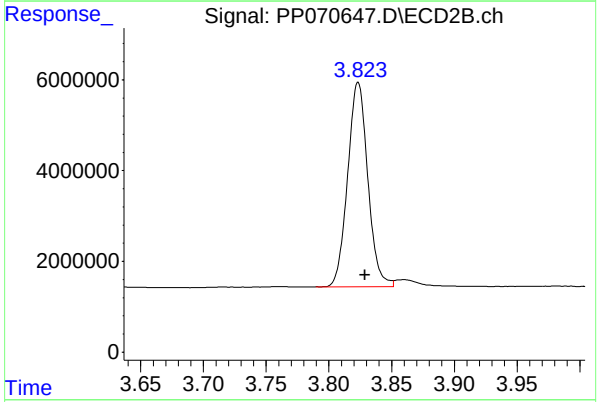
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 77505097
Conc: 49.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

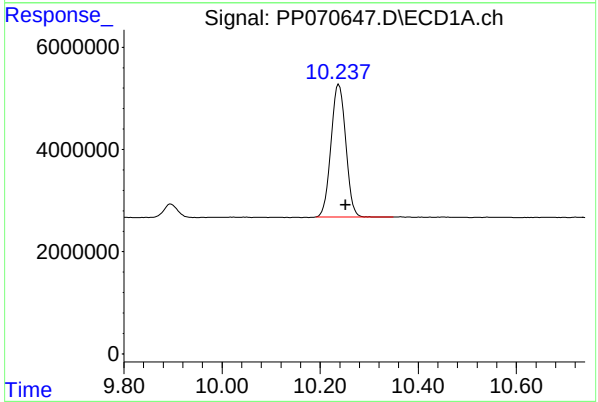
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



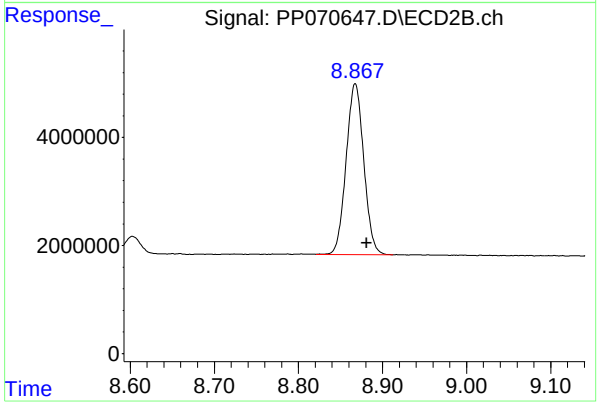
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 50397214
Conc: 50.28 ng/ml



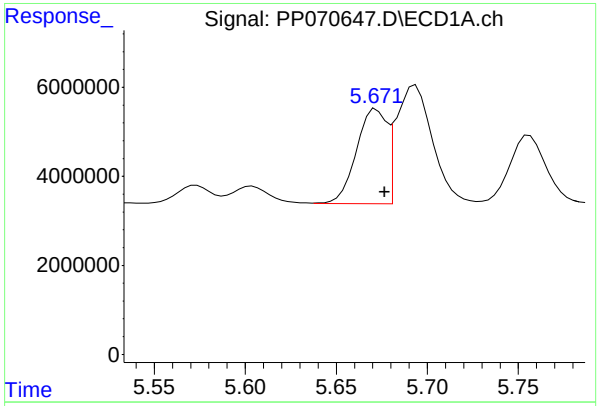
#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 54070749
Conc: 50.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 46219599
Conc: 47.24 ng/ml



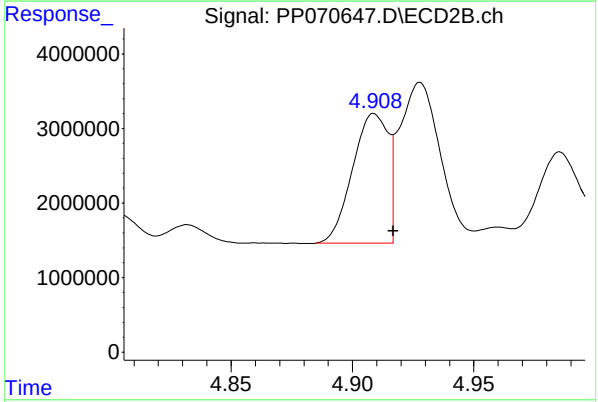
#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 24630575
Conc: 475.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

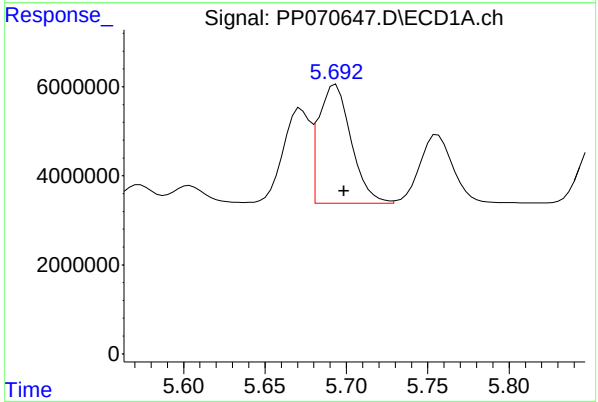
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



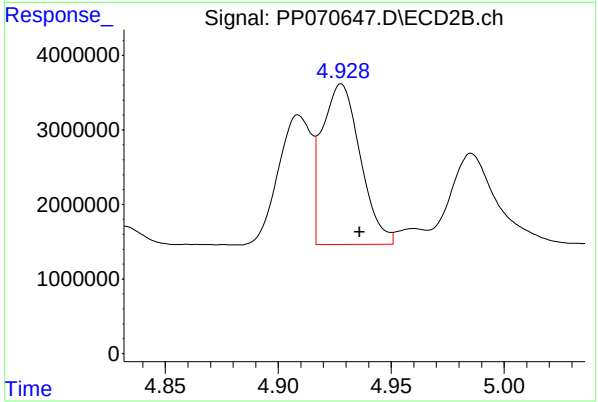
#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.008 min
Response: 17751419
Conc: 493.75 ng/ml



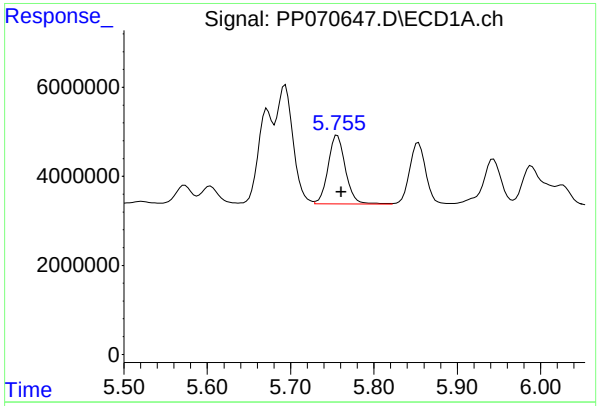
#4 AR-1016-2

R.T.: 5.694 min
Delta R.T.: -0.005 min
Response: 37032597
Conc: 517.61 ng/ml



#4 AR-1016-2

R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 25314090
Conc: 487.12 ng/ml



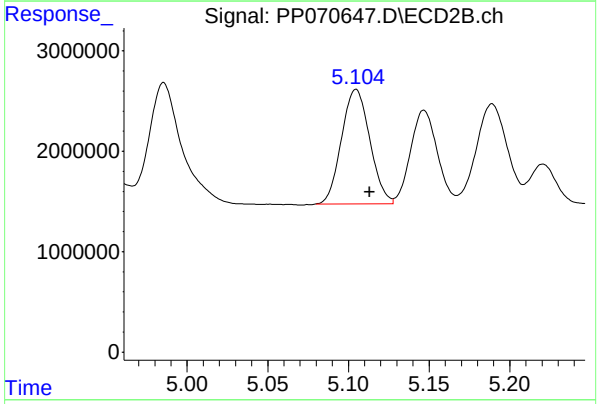
#5 AR-1016-3

R.T.: 5.756 min
Delta R.T.: -0.005 min
Response: 22327366
Conc: 490.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

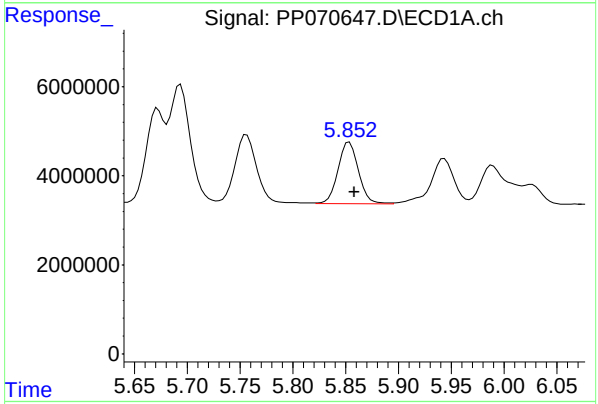
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



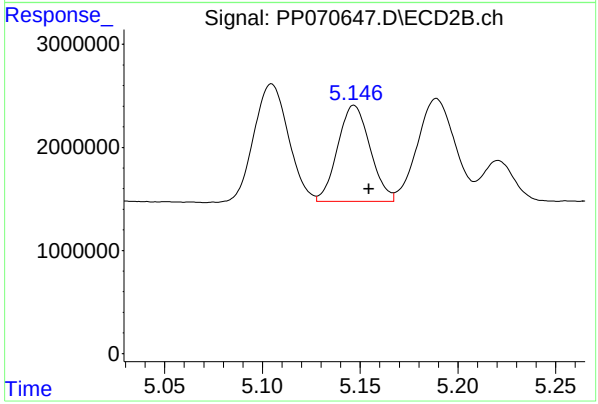
#5 AR-1016-3

R.T.: 5.105 min
Delta R.T.: -0.008 min
Response: 13951100
Conc: 490.31 ng/ml



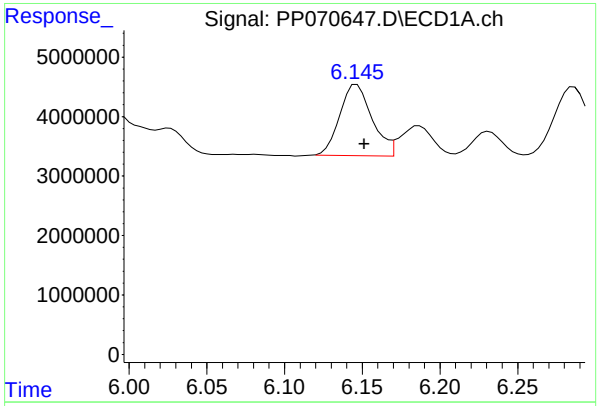
#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 18595371
Conc: 476.34 ng/ml



#6 AR-1016-4

R.T.: 5.147 min
Delta R.T.: -0.008 min
Response: 10774180
Conc: 481.21 ng/ml



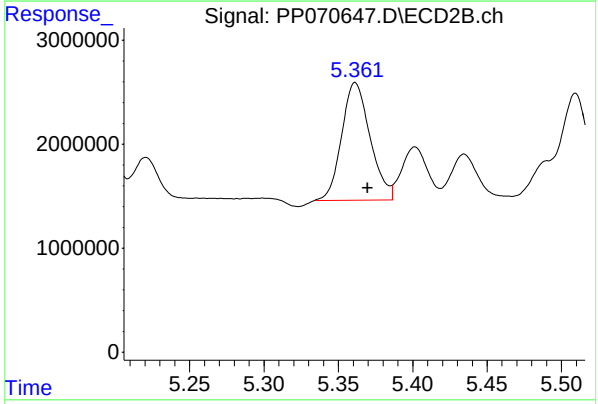
#7 AR-1016-5

R.T.: 6.146 min
Delta R.T.: -0.005 mi
Response: 17289083
Conc: 499.37 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

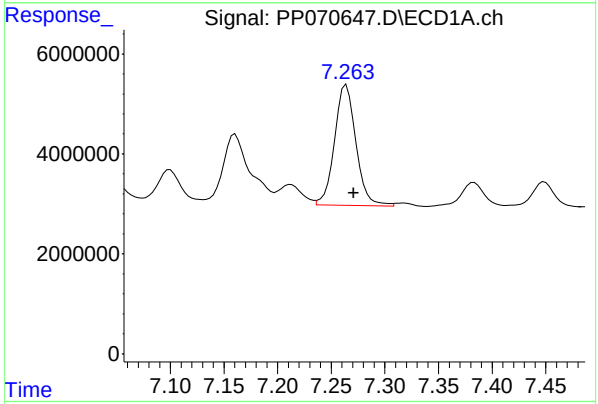
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



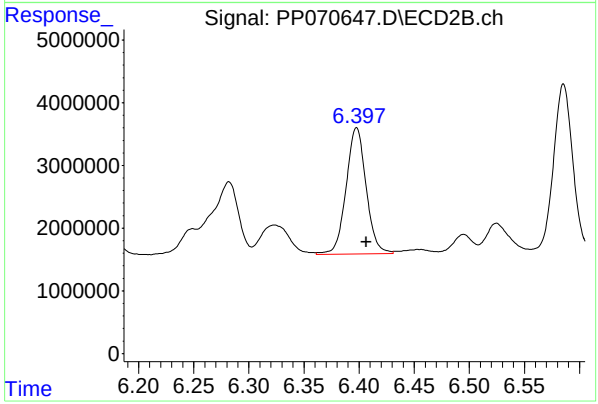
#7 AR-1016-5

R.T.: 5.361 min
Delta R.T.: -0.009 min
Response: 15101211
Conc: 508.14 ng/ml m



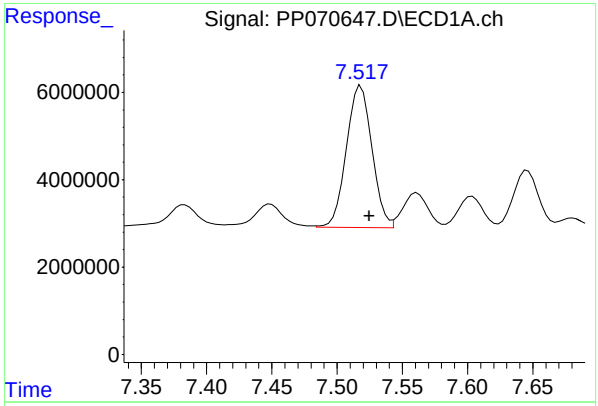
#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 33477094
Conc: 569.94 ng/ml



#31 AR-1260-1

R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 25476571
Conc: 511.74 ng/ml



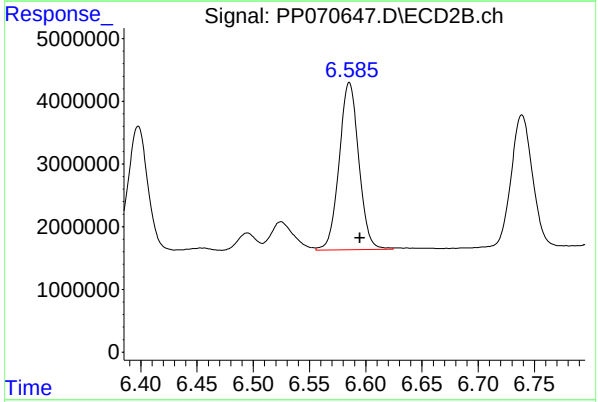
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.006 mi
Response: 44392277
Conc: 541.09 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

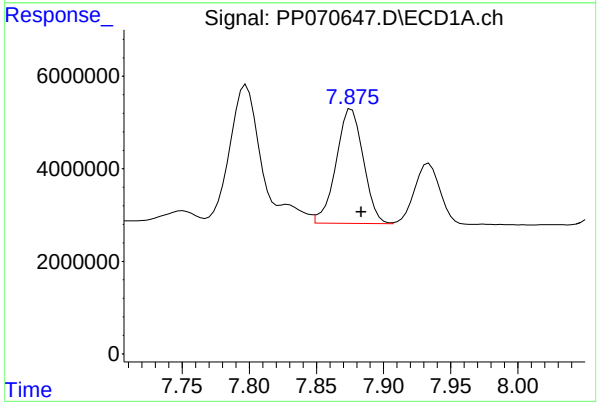
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



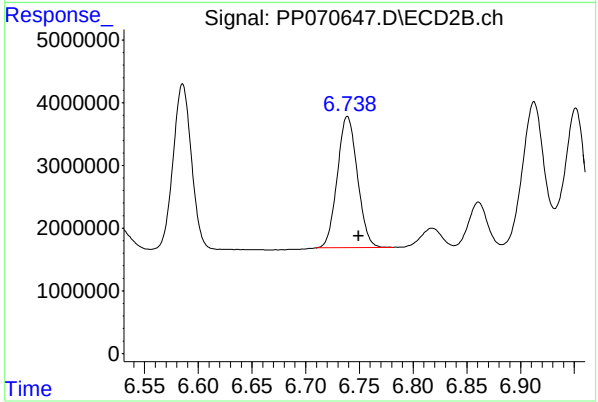
#32 AR-1260-2

R.T.: 6.585 min
Delta R.T.: -0.009 min
Response: 32437993
Conc: 490.83 ng/ml



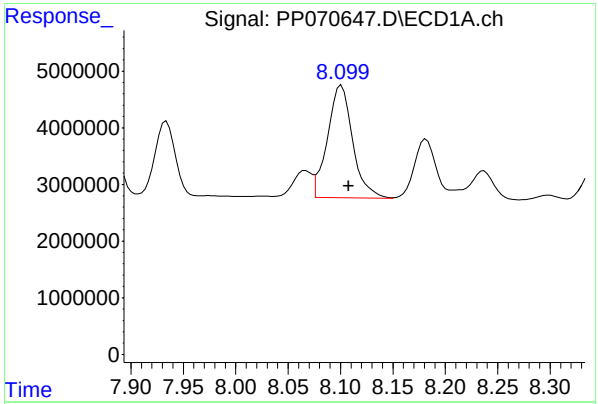
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 35062904
Conc: 533.21 ng/ml



#33 AR-1260-3

R.T.: 6.739 min
Delta R.T.: -0.010 min
Response: 27278204
Conc: 476.91 ng/ml



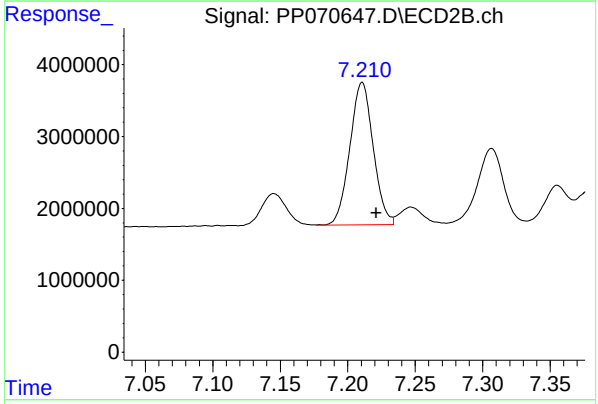
#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 33083330
Conc: 506.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

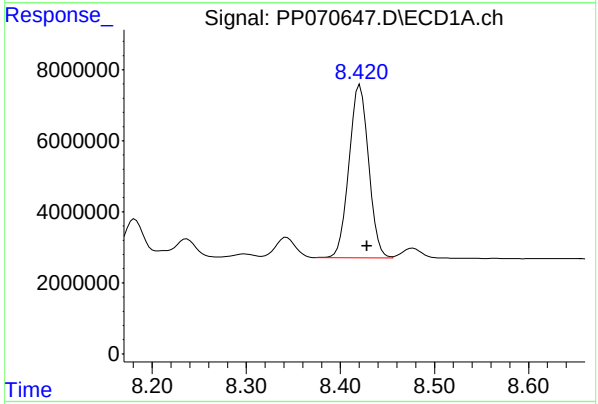
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



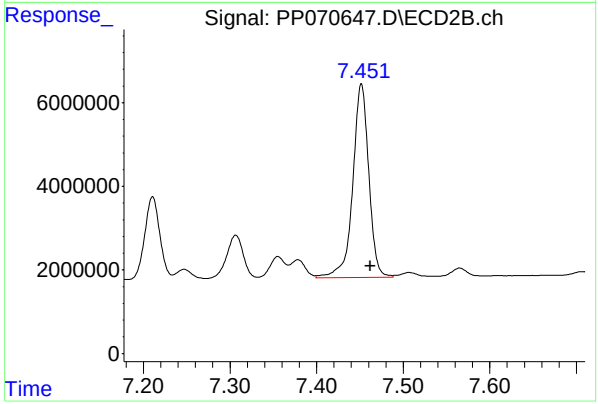
#34 AR-1260-4

R.T.: 7.211 min
Delta R.T.: -0.010 min
Response: 23865946
Conc: 466.46 ng/ml



#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.007 min
Response: 70331248
Conc: 514.58 ng/ml



#35 AR-1260-5

R.T.: 7.452 min
Delta R.T.: -0.010 min
Response: 59568206
Conc: 462.54 ng/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** Q1572

Project: R36884 - PCB **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

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	02/20/2025	16:28	PO109425.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.76	3.70
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.76	3.70
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.76	3.70
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.76	3.70
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.76	3.70
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.76	3.70
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.76	3.70
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.76	3.70
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.76	3.70
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.76	3.70
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.76	3.70
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.76	3.70
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.76	3.70
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.76	3.70
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.75	3.70
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.75	3.70
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.76	3.70
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.76	3.70
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.76	3.70
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.76	3.70
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.75	3.70
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.76	3.70
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.76	3.70
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.75	3.70
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.76	3.70
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/14/2025	14:49	PO109890.D	8.74	3.69
I.BLK	I.BLK	03/14/2025	16:25	PO109894.D	8.74	3.69
C0O22	Q1572-10	03/14/2025	17:02	PO109896.D	8.77	3.69
C0O23	Q1572-11	03/14/2025	17:21	PO109897.D	8.74	3.69
C0O24	Q1572-12	03/14/2025	17:39	PO109898.D	8.76	3.69
C0O25	Q1572-13	03/14/2025	17:57	PO109899.D	8.74	3.69
C0O26	Q1572-14	03/14/2025	18:16	PO109900.D	8.74	3.69
C0O27	Q1572-15	03/14/2025	18:34	PO109901.D	8.74	3.69
C0O28	Q1572-16	03/14/2025	18:52	PO109902.D	8.74	3.69
AR1660CCC500	AR1660CCC500	03/14/2025	21:22	PO109904.D	8.74	3.69
I.BLK	I.BLK	03/14/2025	23:12	PO109908.D	8.74	3.69
AR1660CCC500	AR1660CCC500	03/17/2025	09:13	PO109923.D	8.75	3.69
I.BLK	I.BLK	03/17/2025	10:26	PO109927.D	8.75	3.69

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

C0O22DL	Q1572-10DL	03/17/2025	13:08	PO109931.D	0.00	0.00
C0O23DL	Q1572-11DL	03/17/2025	13:27	PO109932.D	8.75	3.69
C0O24DL	Q1572-12DL	03/17/2025	13:45	PO109933.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/17/2025	16:28	PO109935.D	8.75	3.69
I.BLK	I.BLK	03/17/2025	17:42	PO109939.D	8.75	3.69
AR1660CCC500	AR1660CCC500	03/18/2025	08:06	PO109963.D	8.75	3.69
I.BLK	I.BLK	03/18/2025	09:00	PO109965.D	8.74	3.69
C0O24DL2	Q1572-12DL2	03/18/2025	09:19	PO109966.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/18/2025	09:55	PO109967.D	8.75	3.69
I.BLK	I.BLK	03/18/2025	10:32	PO109969.D	8.74	3.69
I.BLK	I.BLK	03/11/2025	14:57	PP070418.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	10.25	4.53
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	10.25	4.52
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	10.25	4.52
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	10.26	4.53
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	10.25	4.53
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	10.25	4.53
AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	10.25	4.53
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	10.25	4.53
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	10.25	4.53
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	10.25	4.53
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	10.25	4.53
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	10.25	4.53
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	10.25	4.53
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	10.25	4.52
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	10.25	4.53
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	10.25	4.53
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	10.25	4.52
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	10.25	4.52
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	10.25	4.52
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	10.25	4.53
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	10.25	4.52
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	10.25	4.53
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	10.25	4.52
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	10.25	4.53
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	10.25	4.52
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	10.25	4.53
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	10.25	4.53
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	10.25	4.52
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	10.25	4.52
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	10.25	4.53
AR1660CCC500	AR1660CCC500	03/14/2025	21:15	PP070543.D	10.24	4.53
I.BLK	I.BLK	03/14/2025	22:20	PP070547.D	10.24	4.52
PB167143BL	PB167143BL	03/14/2025	22:36	PP070548.D	10.24	4.52
PB167143BS	PB167143BS	03/14/2025	22:52	PP070549.D	10.24	4.52
C0AC9	Q1572-01	03/14/2025	23:41	PP070552.D	10.24	4.52
C0O14	Q1572-02	03/14/2025	23:57	PP070553.D	10.24	4.52
C0O15	Q1572-03	03/15/2025	00:14	PP070554.D	10.24	4.52
C0O16	Q1572-04	03/15/2025	00:30	PP070555.D	10.24	4.52
C0O17	Q1572-05	03/15/2025	00:46	PP070556.D	10.24	4.52

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

C0O19	Q1572-07	03/15/2025	01:02	PP070557.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/15/2025	01:51	PP070558.D	10.24	4.52
I.BLK	I.BLK	03/15/2025	02:56	PP070562.D	10.24	4.52
C0O18	Q1572-06	03/15/2025	03:12	PP070563.D	10.24	4.52
C0O18MS	Q1572-06MS	03/15/2025	03:29	PP070564.D	10.24	4.52
C0O18MSD	Q1572-06MSD	03/15/2025	03:45	PP070565.D	10.24	4.52
C0O20	Q1572-08	03/15/2025	04:01	PP070566.D	10.24	4.52
C0O21	Q1572-09	03/15/2025	04:17	PP070567.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/15/2025	05:06	PP070568.D	10.24	4.52
I.BLK	I.BLK	03/15/2025	06:11	PP070572.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/17/2025	09:08	PP070574.D	10.25	4.52
I.BLK	I.BLK	03/17/2025	10:13	PP070578.D	10.25	4.52
C0AC9DL	Q1572-01DL	03/17/2025	10:30	PP070579.D	10.25	4.52
C0AC9DL2	Q1572-01DL2	03/17/2025	10:46	PP070580.D	0.00	0.00
C0O14DL	Q1572-02DL	03/17/2025	11:02	PP070581.D	10.24	4.52
C0O14DL2	Q1572-02DL2	03/17/2025	11:18	PP070582.D	0.00	0.00
C0O15DL	Q1572-03DL	03/17/2025	11:35	PP070583.D	10.25	4.52
C0O15DL2	Q1572-03DL2	03/17/2025	11:51	PP070584.D	10.24	4.53
C0O16DL	Q1572-04DL	03/17/2025	12:07	PP070585.D	10.25	4.53
C0O16DL2	Q1572-04DL2	03/17/2025	12:23	PP070586.D	0.00	0.00
C0O17DL	Q1572-05DL	03/17/2025	12:40	PP070587.D	10.25	4.53
C0O17DL2	Q1572-05DL2	03/17/2025	12:56	PP070588.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/17/2025	14:00	PP070589.D	10.25	4.52
I.BLK	I.BLK	03/17/2025	15:05	PP070593.D	10.24	4.52
C0O19DL	Q1572-07DL	03/17/2025	15:54	PP070596.D	10.25	4.52
C0O18DL	Q1572-06DL	03/17/2025	16:10	PP070597.D	10.24	4.52
C0O20DL	Q1572-08DL	03/17/2025	16:43	PP070599.D	10.24	4.52
C0O21DL	Q1572-09DL	03/17/2025	16:59	PP070600.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/17/2025	18:37	PP070604.D	10.24	4.52
I.BLK	I.BLK	03/17/2025	19:42	PP070608.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/18/2025	08:04	PP070638.D	10.25	4.52
I.BLK	I.BLK	03/18/2025	09:10	PP070642.D	10.24	4.52
C0O18DL2	Q1572-06DL2	03/18/2025	10:31	PP070646.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/18/2025	11:19	PP070647.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	12:24	PP070651.D	10.24	4.52

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** Q1572

Project: R36884 - PCB **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

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	02/20/2025	16:28	PO109425.D	8.71	3.69
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.71	3.69
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.71	3.69
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.71	3.69
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.71	3.69
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.71	3.69
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.71	3.69
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.71	3.69
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.71	3.69
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.71	3.69
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.71	3.69
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.71	3.69
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.71	3.69
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.71	3.69
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.71	3.69
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.71	3.69
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.71	3.69
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.71	3.69
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.71	3.69
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.71	3.69
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.71	3.69
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.71	3.69
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.71	3.69
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.71	3.69
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.71	3.69
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.71	3.69
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.71	3.69
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.71	3.69
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/14/2025	14:49	PO109890.D	8.70	3.69
I.BLK	I.BLK	03/14/2025	16:25	PO109894.D	8.70	3.69
C0O22	Q1572-10	03/14/2025	17:02	PO109896.D	8.72	3.69
C0O23	Q1572-11	03/14/2025	17:21	PO109897.D	8.70	3.69
C0O24	Q1572-12	03/14/2025	17:39	PO109898.D	8.71	3.69
C0O25	Q1572-13	03/14/2025	17:57	PO109899.D	8.70	3.69
C0O26	Q1572-14	03/14/2025	18:16	PO109900.D	8.70	3.69
C0O27	Q1572-15	03/14/2025	18:34	PO109901.D	8.70	3.69
C0O28	Q1572-16	03/14/2025	18:52	PO109902.D	8.69	3.69
AR1660CCC500	AR1660CCC500	03/14/2025	21:22	PO109904.D	8.70	3.69
I.BLK	I.BLK	03/14/2025	23:12	PO109908.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/17/2025	09:13	PO109923.D	8.70	3.69
I.BLK	I.BLK	03/17/2025	10:26	PO109927.D	8.70	3.69

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

C0O22DL	Q1572-10DL	03/17/2025	13:08	PO109931.D	0.00	0.00
C0O23DL	Q1572-11DL	03/17/2025	13:27	PO109932.D	8.70	3.69
C0O24DL	Q1572-12DL	03/17/2025	13:45	PO109933.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/17/2025	16:28	PO109935.D	8.70	3.69
I.BLK	I.BLK	03/17/2025	17:42	PO109939.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/18/2025	08:06	PO109963.D	8.70	3.69
I.BLK	I.BLK	03/18/2025	09:00	PO109965.D	8.69	3.69
C0O24DL2	Q1572-12DL2	03/18/2025	09:19	PO109966.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/18/2025	09:55	PO109967.D	8.70	3.69
I.BLK	I.BLK	03/18/2025	10:32	PO109969.D	8.70	3.69
I.BLK	I.BLK	03/11/2025	14:57	PP070418.D	8.88	3.83
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	8.88	3.83
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	8.88	3.83
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	8.88	3.83
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	8.88	3.83
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	8.88	3.83
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	8.88	3.83
AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	8.88	3.83
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	8.88	3.83
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	8.88	3.83
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	8.88	3.83
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	8.88	3.83
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	8.88	3.83
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	8.88	3.83
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	8.88	3.83
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	8.88	3.83
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	8.88	3.83
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	8.88	3.83
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	8.88	3.83
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	8.88	3.83
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	8.88	3.83
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	8.88	3.83
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	8.88	3.83
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	8.88	3.83
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	8.88	3.83
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	8.88	3.83
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	8.88	3.83
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	8.88	3.83
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	8.88	3.83
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	8.88	3.83
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	8.88	3.83
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	8.88	3.83
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/14/2025	21:15	PP070543.D	8.87	3.83
I.BLK	I.BLK	03/14/2025	22:20	PP070547.D	8.87	3.83
PB167143BL	PB167143BL	03/14/2025	22:36	PP070548.D	8.87	3.83
PB167143BS	PB167143BS	03/14/2025	22:52	PP070549.D	8.87	3.83
C0AC9	Q1572-01	03/14/2025	23:41	PP070552.D	8.86	3.83
C0O14	Q1572-02	03/14/2025	23:57	PP070553.D	8.87	3.83
C0O15	Q1572-03	03/15/2025	00:14	PP070554.D	8.87	3.83
C0O16	Q1572-04	03/15/2025	00:30	PP070555.D	8.86	3.83
C0O17	Q1572-05	03/15/2025	00:46	PP070556.D	8.86	3.83

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

C0O19	Q1572-07	03/15/2025	01:02	PP070557.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/15/2025	01:51	PP070558.D	8.87	3.83
I.BLK	I.BLK	03/15/2025	02:56	PP070562.D	8.87	3.83
C0O18	Q1572-06	03/15/2025	03:12	PP070563.D	8.87	3.83
C0O18MS	Q1572-06MS	03/15/2025	03:29	PP070564.D	8.87	3.83
C0O18MSD	Q1572-06MSD	03/15/2025	03:45	PP070565.D	8.87	3.83
C0O20	Q1572-08	03/15/2025	04:01	PP070566.D	8.87	3.83
C0O21	Q1572-09	03/15/2025	04:17	PP070567.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/15/2025	05:06	PP070568.D	8.87	3.83
I.BLK	I.BLK	03/15/2025	06:11	PP070572.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/17/2025	09:08	PP070574.D	8.87	3.83
I.BLK	I.BLK	03/17/2025	10:13	PP070578.D	8.88	3.83
C0AC9DL	Q1572-01DL	03/17/2025	10:30	PP070579.D	8.87	3.83
C0AC9DL2	Q1572-01DL2	03/17/2025	10:46	PP070580.D	0.00	0.00
C0O14DL	Q1572-02DL	03/17/2025	11:02	PP070581.D	8.87	3.83
C0O14DL2	Q1572-02DL2	03/17/2025	11:18	PP070582.D	0.00	0.00
C0O15DL	Q1572-03DL	03/17/2025	11:35	PP070583.D	8.87	3.83
C0O15DL2	Q1572-03DL2	03/17/2025	11:51	PP070584.D	8.87	3.83
C0O16DL	Q1572-04DL	03/17/2025	12:07	PP070585.D	8.87	3.83
C0O16DL2	Q1572-04DL2	03/17/2025	12:23	PP070586.D	0.00	0.00
C0O17DL	Q1572-05DL	03/17/2025	12:40	PP070587.D	8.87	3.83
C0O17DL2	Q1572-05DL2	03/17/2025	12:56	PP070588.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/17/2025	14:00	PP070589.D	8.87	3.83
I.BLK	I.BLK	03/17/2025	15:05	PP070593.D	8.87	3.83
C0O19DL	Q1572-07DL	03/17/2025	15:54	PP070596.D	8.87	3.83
C0O18DL	Q1572-06DL	03/17/2025	16:10	PP070597.D	8.87	3.83
C0O20DL	Q1572-08DL	03/17/2025	16:43	PP070599.D	8.87	3.83
C0O21DL	Q1572-09DL	03/17/2025	16:59	PP070600.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/17/2025	18:37	PP070604.D	8.87	3.82
I.BLK	I.BLK	03/17/2025	19:42	PP070608.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/18/2025	08:04	PP070638.D	8.87	3.83
I.BLK	I.BLK	03/18/2025	09:10	PP070642.D	8.87	3.82
C0O18DL2	Q1572-06DL2	03/18/2025	10:31	PP070646.D	0.00	0.00
AR1660CCC500	AR1660CCC500	03/18/2025	11:19	PP070647.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	12:24	PP070651.D	8.87	3.82

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O22

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-10 Date(s) Analyzed: 03/14/2025 03/14/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109896.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.786	4.736	4.836	28300		
	2	5.025	4.975	5.075	19200		
	3	5.241	5.191	5.291	18400		
COLUMN 1	4	5.592	5.542	5.642	16200		
	5	5.633	5.583	5.683	22000	21000	
	1	4.774	4.724	4.824	32400		
	2	5.01	4.96	5.06	20600		
	3	5.052	5.002	5.102	23200		
	4	5.223	5.173	5.273	22800		
COLUMN 2	5	5.615	5.565	5.665	27600	25000	17.39

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O23

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-11 Date(s) Analyzed: 03/14/2025 03/14/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109897.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.785	4.735	4.835	1490		
	2	5.024	4.974	5.074	1380		
	3	5.239	5.189	5.289	1240		
COLUMN 1	4	5.593	5.543	5.643	1710		
	5	5.635	5.585	5.685	2070	1600	
	1	4.773	4.723	4.823	1560		
	2	5.009	4.959	5.059	1440		
	3	5.051	5.001	5.101	1420		
	4	5.222	5.172	5.272	1330		
COLUMN 2	5	5.614	5.564	5.664	2220	1600	0

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O24

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-12 Date(s) Analyzed: 03/14/2025 03/14/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109898.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.803	4.753	4.853	75800		
	2	5.023	4.973	5.073	49600		
	3	5.235	5.185	5.285	35400		
COLUMN 1	4	5.593	5.543	5.643	26300		
	5	5.633	5.583	5.683	35400	45000	
	1	4.793	4.743	4.843	123000		
	2	5.01	4.96	5.06	49500		
	3	5.052	5.002	5.102	51700		
	4	5.223	5.173	5.273	54900		
COLUMN 2	5	5.615	5.565	5.665	63100	69000	42.11
Aroclor-1260	1	6.292	6.242	6.342	11800		
	2	6.469	6.419	6.519	3560		
	3	6.835	6.785	6.885	2400		
COLUMN 1	4	7.098	7.048	7.148	2930		
	5	7.338	7.288	7.388	2550	4700	
	1	6.267	6.217	6.317	13500		
	2	6.442	6.392	6.492	3560		
	3	6.594	6.544	6.644	4670		
	4	7.066	7.016	7.116	2980		
COLUMN 2	5	7.306	7.256	7.356	2560	5400	13.86

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O28

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-16 Date(s) Analyzed: 03/14/2025 03/14/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109902.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.787	4.737	4.837	47.8		
	2	5.024	4.974	5.074	49.7		
	3	5.238	5.188	5.288	46.4		
COLUMN 1	4	5.593	5.543	5.643	88.2		
	5	5.634	5.584	5.684	125	71.4	
	1	4.773	4.723	4.823	57.1		
	2	5.008	4.958	5.058	52.7		
	3	5.05	5	5.1	56.8		
	4	5.221	5.171	5.271	51.2		
COLUMN 2	5	5.614	5.564	5.664	135	70.5	1.27
Aroclor-1260	1	6.28	6.23	6.33	43.6		
	2	6.469	6.419	6.519	27.3		
	3	6.835	6.785	6.885	18.3		
COLUMN 1	4	7.095	7.045	7.145	24.4		
	5	7.338	7.288	7.388	14.1	25.5	
	1	6.254	6.204	6.304	44.4		
	2	6.441	6.391	6.491	27.5		
	3	6.594	6.544	6.644	23.9		
	4	7.065	7.015	7.115	23.2		
COLUMN 2	5	7.306	7.256	7.356	15.4	26.9	5.34

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O22DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-10DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109931.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.787	4.737	4.837	49900		
	2	5.025	4.975	5.075	32900		
	3	5.24	5.19	5.29	35700		
COLUMN 1	4	5.594	5.544	5.644	31500		
	5	5.636	5.586	5.686	38200	38000	
	1	4.773	4.723	4.823	52000		
	2	5.009	4.959	5.059	34300		
	3	5.052	5.002	5.102	39000		
	4	5.223	5.173	5.273	37900		
COLUMN 2	5	5.615	5.565	5.665	41600	41000	7.59

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O23DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-11DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109932.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.786	4.736	4.836	1840		
	2	5.025	4.975	5.075	1740		
	3	5.24	5.19	5.29	1580		
COLUMN 1	4	5.594	5.544	5.644	2030		
	5	5.636	5.586	5.686	2460	1900	
	1	4.773	4.723	4.823	1930		
	2	5.009	4.959	5.059	1820		
	3	5.051	5.001	5.101	1800		
	4	5.223	5.173	5.273	1670		
COLUMN 2	5	5.615	5.565	5.665	2650	2000	5.13

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O24DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-12DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109933.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.806	4.756	4.856	207000		
	2	5.025	4.975	5.075	88300		
	3	5.24	5.19	5.29	97400		
COLUMN 1	4	5.594	5.544	5.644	76200		
	5	5.636	5.586	5.686	106000	120000	
	1	4.792	4.742	4.842	221000		
	2	5.009	4.959	5.059	91300		
	3	5.051	5.001	5.101	96000		
	4	5.223	5.173	5.273	102000		
COLUMN 2	5	5.615	5.565	5.665	112000	120000	0
Aroclor-1260	1	6.292	6.242	6.342	19100		
	2	6.469	6.419	6.519	6170		
	3	6.837	6.787	6.887	4420		
COLUMN 1	4	7.098	7.048	7.148	5060		
	5	7.339	7.289	7.389	3760	7700	
	1	6.267	6.217	6.317	19400		
	2	6.442	6.392	6.492	5910		
	3	6.594	6.544	6.644	7550		
	4	7.067	7.017	7.117	4810		
COLUMN 2	5	7.306	7.256	7.356	3830	8300	7.5

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O24DL2

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-12DL2 Date(s) Analyzed: 03/18/2025 03/18/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109966.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	4.804	4.754	4.854	261000		
	2	5.023	4.973	5.073	113000		
	3	5.238	5.188	5.288	131000		
COLUMN 1	4	5.593	5.543	5.643	98900		
	5	5.634	5.584	5.684	136000	150000	
	1	4.808	4.758	4.858	271000		
	2	5.025	4.975	5.075	116000		
	3	5.066	5.016	5.116	125000		
	4	5.238	5.188	5.288	135000		
COLUMN 2	5	5.63	5.58	5.68	140000	160000	6.45
Aroclor-1260	1	6.291	6.241	6.341	26700		
	2	6.468	6.418	6.518	9900		
	3	6.835	6.785	6.885	6070		
COLUMN 1	4	7.095	7.045	7.145	6690		
	5	7.337	7.287	7.387	5220	11000	
	1	6.281	6.231	6.331	27000		
	2	6.457	6.407	6.507	8870		
	3	6.609	6.559	6.659	10600		
	4	7.082	7.032	7.132	6920		
COLUMN 2	5	7.321	7.271	7.371	6450	12000	8.7

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167143BS

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: PB167143BS Date(s) Analyzed: 03/14/2025 03/14/2025

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 PP070549.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	146		
	2	5.697	5.647	5.747	157		
	3	5.759	5.709	5.809	146		
COLUMN 1	4	5.856	5.806	5.906	141		
	5	6.149	6.099	6.199	142	146	
	1	4.913	4.863	4.963	156		
	2	4.932	4.882	4.982	149		
	3	5.109	5.059	5.159	153		
	4	5.15	5.1	5.2	152		
COLUMN 2	5	5.366	5.316	5.416	150	152	4.03
Aroclor-1260	1	7.268	7.218	7.318	161		
	2	7.522	7.472	7.572	156		
	3	7.88	7.83	7.93	133		
COLUMN 1	4	8.102	8.052	8.152	138		
	5	8.424	8.374	8.474	138	145	
	1	6.402	6.352	6.452	155		
	2	6.59	6.54	6.64	152		
	3	6.743	6.693	6.793	153		
	4	7.215	7.165	7.265	129		
COLUMN 2	5	7.456	7.406	7.506	130	144	0.69

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0AC9

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-01 Date(s) Analyzed: 03/14/2025 03/14/2025

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 PP070552.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.674	5.624	5.724	5180		
	2	5.946	5.896	5.996	9720		
	3	6.147	6.097	6.197	10000		
COLUMN 1	4	6.547	6.497	6.597	9400		
	5	6.586	6.536	6.636	9400	8700	
	1	4.913	4.863	4.963	5170		
	2	5.15	5.1	5.2	8450		
	3	5.192	5.142	5.242	8300		
	4	5.365	5.315	5.415	8430		
COLUMN 2	5	5.759	5.709	5.809	8680	7800	10.91
Aroclor-1260	1	7.267	7.217	7.317	1280		
	2	7.519	7.469	7.569	1780		
	3	7.878	7.828	7.928	786		
COLUMN 1	4	8.101	8.051	8.151	1020		
	5	8.423	8.373	8.473	791	1100	
	1	6.412	6.362	6.462	2440		
	2	6.589	6.539	6.639	820		
	3	6.742	6.692	6.792	970		
	4	7.215	7.165	7.265	719		
COLUMN 2	5	7.455	7.405	7.505	742	1100	0

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O14

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-02 Date(s) Analyzed: 03/14/2025 03/14/2025

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 PP070553.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.673	5.623	5.723	5030		
	2	5.944	5.894	5.994	8240		
	3	6.145	6.095	6.195	8810		
COLUMN 1	4	6.545	6.495	6.595	9190		
	5	6.584	6.534	6.634	9600	8200	
	1	4.912	4.862	4.962	5070		
	2	5.149	5.099	5.199	7250		
	3	5.192	5.142	5.242	7650		
	4	5.365	5.315	5.415	7600		
COLUMN 2	5	5.758	5.708	5.808	8950	7300	11.61
Aroclor-1260	1	7.266	7.216	7.316	1190		
	2	7.517	7.467	7.567	1510		
	3	7.877	7.827	7.927	817		
COLUMN 1	4	8.099	8.049	8.149	1040		
	5	8.422	8.372	8.472	801	1100	
	1	6.412	6.362	6.462	1460		
	2	6.589	6.539	6.639	829		
	3	6.742	6.692	6.792	972		
	4	7.214	7.164	7.264	697		
COLUMN 2	5	7.455	7.405	7.505	772	946	15.05

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O15

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-03 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070554.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.674	5.624	5.724	3220		
	2	5.946	5.896	5.996	6100		
	3	6.147	6.097	6.197	6280		
COLUMN 1	4	6.547	6.497	6.597	6170		
	5	6.586	6.536	6.636	6140	5600	
	1	4.913	4.863	4.963	3310		
	2	5.15	5.1	5.2	5470		
	3	5.192	5.142	5.242	5360		
	4	5.365	5.315	5.415	5540		
COLUMN 2	5	5.758	5.708	5.808	5880	5100	9.35
Aroclor-1260	1	7.267	7.217	7.317	1080		
	2	7.516	7.466	7.566	1960		
	3	7.879	7.829	7.929	779		
COLUMN 1	4	8.102	8.052	8.152	892		
	5	8.424	8.374	8.474	775	1100	
	1	6.402	6.352	6.452	1860		
	2	6.589	6.539	6.639	777		
	3	6.742	6.692	6.792	874		
	4	7.215	7.165	7.265	727		
COLUMN 2	5	7.455	7.405	7.505	759	1000	9.52

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O16

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-04 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070555.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.676	5.626	5.726	5710		
	2	5.947	5.897	5.997	9970		
	3	6.148	6.098	6.198	10300		
COLUMN 1	4	6.548	6.498	6.598	9480		
	5	6.587	6.537	6.637	9550	9000	
	1	4.913	4.863	4.963	5680		
	2	5.15	5.1	5.2	8670		
	3	5.192	5.142	5.242	8520		
	4	5.365	5.315	5.415	8730		
COLUMN 2	5	5.759	5.709	5.809	8820	8100	10.53
Aroclor-1260	1	7.268	7.218	7.318	1300		
	2	7.52	7.47	7.57	1840		
	3	7.88	7.83	7.93	815		
COLUMN 1	4	8.102	8.052	8.152	1050		
	5	8.424	8.374	8.474	806	1200	
	1	6.412	6.362	6.462	2510		
	2	6.59	6.54	6.64	846		
	3	6.742	6.692	6.792	1010		
	4	7.215	7.165	7.265	756		
COLUMN 2	5	7.455	7.405	7.505	753	1200	0

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O17

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-05 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070556.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.675	5.625	5.725	12900		
	2	5.946	5.896	5.996	15400		
	3	6.149	6.099	6.199	16800		
COLUMN 1	4	6.547	6.497	6.597	15400		
	5	6.586	6.536	6.636	17200	16000	
	1	4.913	4.863	4.963	13200		
	2	5.151	5.101	5.201	13800		
	3	5.192	5.142	5.242	15100		
	4	5.365	5.315	5.415	15200		
COLUMN 2	5	5.759	5.709	5.809	16100	15000	6.45
Aroclor-1260	1	7.268	7.218	7.318	1420		
	2	7.52	7.47	7.57	1650		
	3	7.878	7.828	7.928	746		
COLUMN 1	4	8.092	8.042	8.142	1040		
	5	8.422	8.372	8.472	601	1100	
	1	6.413	6.363	6.463	3070		
	2	6.589	6.539	6.639	818		
	3	6.742	6.692	6.792	1070		
	4	7.215	7.165	7.265	602		
COLUMN 2	5	7.455	7.405	7.505	521	1200	8.7

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O19

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-07 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070557.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.674	5.624	5.724	1350		
	2	5.945	5.895	5.995	3310		
	3	6.147	6.097	6.197	2960		
COLUMN 1	4	6.546	6.496	6.596	2760		
	5	6.585	6.535	6.635	2870	2600	
	1	4.913	4.863	4.963	1770		
	2	5.15	5.1	5.2	2950		
	3	5.192	5.142	5.242	3010		
	4	5.365	5.315	5.415	2630		
COLUMN 2	5	5.758	5.708	5.808	2770	2600	0
Aroclor-1260	1	7.267	7.217	7.317	392		
	2	7.519	7.469	7.569	534		
	3	7.877	7.827	7.927	195		
COLUMN 1	4	8.097	8.047	8.147	257		
	5	8.422	8.372	8.472	163	308	
	1	6.413	6.363	6.463	718		
	2	6.589	6.539	6.639	225		
	3	6.742	6.692	6.792	262		
	4	7.216	7.166	7.266	167		
COLUMN 2	5	7.455	7.405	7.505	163	307	0.33

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O18

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-06 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070563.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.673	5.623	5.723	15400		
	2	5.945	5.895	5.995	12700		
	3	6.146	6.096	6.196	14500		
COLUMN 1	4	6.546	6.496	6.596	13100		
	5	6.584	6.534	6.634	13800	14000	
	1	4.913	4.863	4.963	15000		
	2	5.15	5.1	5.2	10900		
	3	5.192	5.142	5.242	12100		
	4	5.365	5.315	5.415	12500		
COLUMN 2	5	5.759	5.709	5.809	12800	13000	7.41
Aroclor-1260	1	7.266	7.216	7.316	1020		
	2	7.518	7.468	7.568	1300		
	3	7.876	7.826	7.926	626		
COLUMN 1	4	8.091	8.041	8.141	760		
	5	8.421	8.371	8.471	456	833	
	1	6.414	6.364	6.464	2490		
	2	6.589	6.539	6.639	597		
	3	6.742	6.692	6.792	777		
	4	7.215	7.165	7.265	417		
COLUMN 2	5	7.455	7.405	7.505	367	930	11

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O18MS

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-06MS Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070564.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	13000		
	2	5.697	5.647	5.747	17500		
	3	5.762	5.712	5.812	2750		
COLUMN 1	4	5.855	5.805	5.905	14100		
	5	6.147	6.097	6.197	24900	14000	
	1	4.913	4.863	4.963	12500		
	2	4.932	4.882	4.982	15300		
	3	5.109	5.059	5.159	13200		
	4	5.15	5.1	5.2	19500		
COLUMN 2	5	5.365	5.315	5.415	20900	16000	13.33
Aroclor-1248	1	5.675	5.625	5.725	19800		
	2	5.946	5.896	5.996	16400		
	3	6.147	6.097	6.197	18700		
COLUMN 1	4	6.547	6.497	6.597	16700		
	5	6.586	6.536	6.636	17900	18000	
	1	4.913	4.863	4.963	19100		
	2	5.15	5.1	5.2	14000		
	3	5.192	5.142	5.242	15400		
	4	5.365	5.315	5.415	16000		
COLUMN 2	5	5.759	5.709	5.809	16400	16000	11.76

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.268	7.218	7.318	1470		
	2	7.52	7.47	7.57	1830		
	3	7.878	7.828	7.928	932		
COLUMN 1	4	8.099	8.049	8.149	1170		
	5	8.424	8.374	8.474	745	1200	
	1	6.413	6.363	6.463	3280		
	2	6.589	6.539	6.639	896		
	3	6.742	6.692	6.792	1140		
	4	7.215	7.165	7.265	651		
COLUMN 2	5	7.455	7.405	7.505	753	1300	8

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O18MSD

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-06MSD Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070565.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	13600		
	2	5.696	5.646	5.746	18500		
	3	5.763	5.713	5.813	2910		
COLUMN 1	4	5.856	5.806	5.906	14900		
	5	6.147	6.097	6.197	26000	15000	
	1	4.913	4.863	4.963	13100		
	2	4.931	4.881	4.981	16200		
	3	5.109	5.059	5.159	14200		
	4	5.15	5.1	5.2	20600		
COLUMN 2	5	5.365	5.315	5.415	22000	17000	12.5
Aroclor-1248	1	5.675	5.625	5.725	20600		
	2	5.946	5.896	5.996	17000		
	3	6.147	6.097	6.197	19700		
COLUMN 1	4	6.548	6.498	6.598	17400		
	5	6.586	6.536	6.636	18500	19000	
	1	4.913	4.863	4.963	20000		
	2	5.15	5.1	5.2	14700		
	3	5.192	5.142	5.242	16200		
	4	5.365	5.315	5.415	16800		
COLUMN 2	5	5.758	5.708	5.808	17100	17000	11.11

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.268	7.218	7.318	1520		
	2	7.519	7.469	7.569	1920		
	3	7.878	7.828	7.928	964		
COLUMN 1	4	8.098	8.048	8.148	1200		
	5	8.424	8.374	8.474	760	1300	
	1	6.413	6.363	6.463	3420		
	2	6.588	6.538	6.638	933		
	3	6.741	6.691	6.791	1190		
	4	7.214	7.164	7.264	671		
COLUMN 2	5	7.455	7.405	7.505	768	1400	7.41

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O20

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-08 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070566.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.676	5.626	5.726	2140		
	2	5.947	5.897	5.997	2800		
	3	6.148	6.098	6.198	2800		
COLUMN 1	4	6.547	6.497	6.597	2790		
	5	6.586	6.536	6.636	2800	2700	
	1	4.913	4.863	4.963	2230		
	2	5.15	5.1	5.2	2460		
	3	5.192	5.142	5.242	2660		
	4	5.365	5.315	5.415	2470		
COLUMN 2	5	5.758	5.708	5.808	2690	2500	7.69

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O21

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-09 Date(s) Analyzed: 03/15/2025 03/15/2025

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 PP070567.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.673	5.623	5.723	10500		
	2	5.943	5.893	5.993	8710		
	3	6.144	6.094	6.194	9900		
COLUMN 1	4	6.544	6.494	6.594	8820		
	5	6.583	6.533	6.633	9760	9500	
	1	4.912	4.862	4.962	10600		
	2	5.15	5.1	5.2	7480		
	3	5.192	5.142	5.242	9030		
	4	5.364	5.314	5.414	8310		
COLUMN 2	5	5.758	5.708	5.808	9180	8900	6.52

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0AC9DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-01DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070579.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.677	5.627	5.727	7300		
	2	5.948	5.898	5.998	13900		
	3	6.15	6.1	6.2	13600		
COLUMN 1	4	6.55	6.5	6.6	12800		
	5	6.589	6.539	6.639	12900	12000	
	1	4.914	4.864	4.964	7990		
	2	5.151	5.101	5.201	12900		
	3	5.193	5.143	5.243	12600		
	4	5.366	5.316	5.416	12700		
COLUMN 2	5	5.761	5.711	5.811	12800	12000	0
Aroclor-1260	1	7.27	7.22	7.32	1840		
	2	7.522	7.472	7.572	2460		
	3	7.882	7.832	7.932	1100		
COLUMN 1	4	8.105	8.055	8.155	1450		
	5	8.428	8.378	8.478	1100	1600	
	1	6.413	6.363	6.463	3950		
	2	6.59	6.54	6.64	1320		
	3	6.743	6.693	6.793	1550		
	4	7.217	7.167	7.267	1110		
COLUMN 2	5	7.456	7.406	7.506	1090	1800	11.76

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC9DL2

Contract: TETR16
Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572
Lab Sample ID: Q1572-01DL2 Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070580.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.677	5.627	5.727	9090		
	2	5.948	5.898	5.998	17100		
	3	6.151	6.101	6.201	16700		
COLUMN 1	4	6.55	6.5	6.6	15700		
	5	6.589	6.539	6.639	16100	15000	
	1	4.913	4.863	4.963	10800		
	2	5.15	5.1	5.2	17500		
	3	5.193	5.143	5.243	17000		
	4	5.366	5.316	5.416	16900		
COLUMN 2	5	5.759	5.709	5.809	16500	16000	6.45
Aroclor-1260	1	7.27	7.22	7.32	2040		
	2	7.523	7.473	7.573	2820		
	3	7.882	7.832	7.932	1170		
COLUMN 1	4	8.106	8.056	8.156	1630		
	5	8.427	8.377	8.477	1200	1800	
	1	6.412	6.362	6.462	4910		
	2	6.589	6.539	6.639	1640		
	3	6.743	6.693	6.793	2010		
	4	7.216	7.166	7.266	1450		
COLUMN 2	5	7.456	7.406	7.506	1410	2300	24.39

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O14DL

Contract: TETR16
Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572
Lab Sample ID: Q1572-02DL Date(s) Analyzed: 03/17/2025 03/17/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070581.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248							
	1	5.674	5.624	5.724	7300		
	2	5.945	5.895	5.995	11900		
	3	6.148	6.098	6.198	12200		
COLUMN 1	4	6.546	6.496	6.596	12800		
	5	6.586	6.536	6.636	13400	12000	
	1	4.914	4.864	4.964	7890		
	2	5.151	5.101	5.201	11300		
	3	5.194	5.144	5.244	11700		
	4	5.366	5.316	5.416	11500		
COLUMN 2	5	5.76	5.71	5.81	13200	11000	8.7
Aroclor-1260							
	1	7.267	7.217	7.317	1700		
	2	7.519	7.469	7.569	2130		
	3	7.879	7.829	7.929	1140		
COLUMN 1	4	8.102	8.052	8.152	1500		
	5	8.423	8.373	8.473	1140	1500	
	1	6.412	6.362	6.462	3940		
	2	6.591	6.541	6.641	1320		
	3	6.744	6.694	6.794	1530		
	4	7.216	7.166	7.266	1080		
COLUMN 2	5	7.457	7.407	7.507	1110	1800	18.18

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O14DL2

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-02DL2 Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070582.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.678	5.628	5.728	9640		
	2	5.949	5.899	5.999	15700		
	3	6.152	6.102	6.202	16000		
COLUMN 1	4	6.551	6.501	6.601	16700		
	5	6.589	6.539	6.639	17600	15000	
	1	4.914	4.864	4.964	11200		
	2	5.151	5.101	5.201	15800		
	3	5.193	5.143	5.243	16300		
	4	5.366	5.316	5.416	15800		
COLUMN 2	5	5.76	5.71	5.81	17900	15000	0
Aroclor-1260	1	7.271	7.221	7.321	2130		
	2	7.523	7.473	7.573	2660		
	3	7.882	7.832	7.932	1300		
COLUMN 1	4	8.104	8.054	8.154	1750		
	5	8.427	8.377	8.477	1260	1800	
	1	6.412	6.362	6.462	5450		
	2	6.59	6.54	6.64	1790		
	3	6.743	6.693	6.793	2130		
	4	7.215	7.165	7.265	1420		
COLUMN 2	5	7.456	7.406	7.506	1520	2500	32.56

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O15DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-03DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070583.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248							
	1	5.676	5.626	5.726	3940		
	2	5.947	5.897	5.997	7220		
	3	6.15	6.1	6.2	7220		
COLUMN 1	4	6.548	6.498	6.598	7070		
	5	6.587	6.537	6.637	7070	6500	
	1	4.914	4.864	4.964	4230		
	2	5.151	5.101	5.201	6950		
	3	5.194	5.144	5.244	6780		
	4	5.367	5.317	5.417	6940		
COLUMN 2	5	5.76	5.71	5.81	7130	6400	1.55
Aroclor-1260							
	1	7.268	7.218	7.318	1290		
	2	7.518	7.468	7.568	2250		
	3	7.88	7.83	7.93	906		
COLUMN 1	4	8.104	8.054	8.154	1140		
	5	8.426	8.376	8.476	909	1300	
	1	6.405	6.355	6.455	2390		
	2	6.591	6.541	6.641	987		
	3	6.744	6.694	6.794	1110		
	4	7.216	7.166	7.266	890		
COLUMN 2	5	7.457	7.407	7.507	860	1200	8

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O15DL2

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-03DL2 Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070584.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.677	5.627	5.727	5370		
	2	5.947	5.897	5.997	10300		
	3	6.15	6.1	6.2	10000		
COLUMN 1	4	6.549	6.499	6.599	10000		
	5	6.588	6.538	6.638	9980	9100	
	1	4.914	4.864	4.964	6180		
	2	5.151	5.101	5.201	10200		
	3	5.193	5.143	5.243	9910		
	4	5.366	5.316	5.416	9900		
COLUMN 2	5	5.759	5.709	5.809	10100	9300	2.17
Aroclor-1260	1	7.269	7.219	7.319	1750		
	2	7.519	7.469	7.569	3020		
	3	7.882	7.832	7.932	1180		
COLUMN 1	4	8.105	8.055	8.155	1490		
	5	8.427	8.377	8.477	1200	1700	
	1	6.403	6.353	6.453	3460		
	2	6.59	6.54	6.64	1420		
	3	6.743	6.693	6.793	1610		
	4	7.215	7.165	7.265	1280		
COLUMN 2	5	7.456	7.406	7.506	1230	1800	5.71

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O16DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-04DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070585.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248							
	1	5.677	5.627	5.727	6970		
	2	5.948	5.898	5.998	12100		
	3	6.15	6.1	6.2	12100		
COLUMN 1	4	6.549	6.499	6.599	11100		
	5	6.589	6.539	6.639	11300	11000	
	1	4.913	4.863	4.963	7550		
	2	5.15	5.1	5.2	11400		
	3	5.193	5.143	5.243	11200		
	4	5.366	5.316	5.416	11400		
COLUMN 2	5	5.76	5.71	5.81	11200	11000	0
Aroclor-1260							
	1	7.27	7.22	7.32	1610		
	2	7.521	7.471	7.571	2240		
	3	7.882	7.832	7.932	993		
COLUMN 1	4	8.105	8.055	8.155	1310		
	5	8.427	8.377	8.477	973	1400	
	1	6.412	6.362	6.462	3340		
	2	6.59	6.54	6.64	1120		
	3	6.743	6.693	6.793	1340		
	4	7.216	7.166	7.266	991		
COLUMN 2	5	7.456	7.406	7.506	952	1500	6.9

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O16DL2

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-04DL2 Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070586.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.674	5.624	5.724	5380		
	2	5.945	5.895	5.995	9490		
	3	6.148	6.098	6.198	8970		
COLUMN 1	4	6.547	6.497	6.597	8520		
	5	6.586	6.536	6.636	8750	8200	
	1	4.913	4.863	4.963	6350		
	2	5.151	5.101	5.201	9160		
	3	5.193	5.143	5.243	8850		
	4	5.366	5.316	5.416	8810		
COLUMN 2	5	5.76	5.71	5.81	8730	8400	2.41
Aroclor-1260	1	7.267	7.217	7.317	1160		
	2	7.519	7.469	7.569	1570		
	3	7.879	7.829	7.929	656		
COLUMN 1	4	8.102	8.052	8.152	888		
	5	8.424	8.374	8.474	669	987	
	1	6.409	6.359	6.459	2680		
	2	6.591	6.541	6.641	914		
	3	6.744	6.694	6.794	1060		
	4	7.216	7.166	7.266	831		
COLUMN 2	5	7.457	7.407	7.507	792	1300	27.37

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O17DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-05DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070587.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248							
	1	5.678	5.628	5.728	17800		
	2	5.949	5.899	5.999	21800		
	3	6.152	6.102	6.202	24000		
COLUMN 1	4	6.551	6.501	6.601	21100		
	5	6.59	6.54	6.64	23900	22000	
	1	4.914	4.864	4.964	18500		
	2	5.15	5.1	5.2	20400		
	3	5.193	5.143	5.243	21900		
	4	5.366	5.316	5.416	22100		
COLUMN 2	5	5.76	5.71	5.81	23200	21000	4.65
Aroclor-1260							
	1	7.272	7.222	7.322	2130		
	2	7.524	7.474	7.574	2380		
	3	7.882	7.832	7.932	1020		
COLUMN 1	4	8.098	8.048	8.148	1470		
	5	8.428	8.378	8.478	859	1600	
	1	6.414	6.364	6.464	4730		
	2	6.59	6.54	6.64	1310		
	3	6.743	6.693	6.793	1710		
	4	7.217	7.167	7.267	964		
COLUMN 2	5	7.457	7.407	7.507	753	1900	17.14

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O17DL2

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-05DL2 Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070588.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.673	5.623	5.723	22900		
	2	5.945	5.895	5.995	28600		
	3	6.148	6.098	6.198	30100		
COLUMN 1	4	6.546	6.496	6.596	27400		
	5	6.585	6.535	6.635	31700	28000	
	1	4.914	4.864	4.964	25100		
	2	5.152	5.102	5.202	27600		
	3	5.193	5.143	5.243	29300		
	4	5.366	5.316	5.416	29300		
COLUMN 2	5	5.76	5.71	5.81	30100	28000	0
Aroclor-1260	1	7.268	7.218	7.318	2530		
	2	7.52	7.47	7.57	2890		
	3	7.878	7.828	7.928	1070		
COLUMN 1	4	8.095	8.045	8.145	1740		
	5	8.423	8.373	8.473	936	1800	
	1	6.414	6.364	6.464	6050		
	2	6.59	6.54	6.64	1750		
	3	6.744	6.694	6.794	2320		
	4	7.217	7.167	7.267	1450		
COLUMN 2	5	7.457	7.407	7.507	1010	2500	32.56

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O19DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-07DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070596.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.674	5.624	5.724	2320		
	2	5.947	5.897	5.997	4430		
	3	6.149	6.099	6.199	3700		
COLUMN 1	4	6.548	6.498	6.598	3630		
	5	6.587	6.537	6.637	3770	3600	
	1	4.913	4.863	4.963	2260		
	2	5.15	5.1	5.2	4380		
	3	5.192	5.142	5.242	4400		
	4	5.365	5.315	5.415	3820		
COLUMN 2	5	5.759	5.709	5.809	3760	3700	2.74
Aroclor-1260	1	7.269	7.219	7.319	470		
	2	7.522	7.472	7.572	638		
	3	7.88	7.83	7.93	211		
COLUMN 1	4	8.1	8.05	8.15	319		
	5	8.425	8.375	8.475	197	367	
	1	6.412	6.362	6.462	1190		
	2	6.589	6.539	6.639	329		
	3	6.742	6.692	6.792	391		
	4	7.215	7.165	7.265	255		
COLUMN 2	5	7.456	7.406	7.506	245	482	27.09

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: C0O18DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-06DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070597.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.672	5.622	5.722	18300		
	2	5.943	5.893	5.993	15800		
	3	6.145	6.095	6.195	18000		
COLUMN 1	4	6.545	6.495	6.595	15900		
	5	6.584	6.534	6.634	17000	17000	
	1	4.913	4.863	4.963	19000		
	2	5.15	5.1	5.2	14000		
	3	5.192	5.142	5.242	15400		
	4	5.365	5.315	5.415	16000		
COLUMN 2	5	5.759	5.709	5.809	16100	16000	6.06
Aroclor-1260	1	7.265	7.215	7.315	1340		
	2	7.517	7.467	7.567	1680		
	3	7.876	7.826	7.926	815		
COLUMN 1	4	8.095	8.045	8.145	964		
	5	8.422	8.372	8.472	581	1100	
	1	6.414	6.364	6.464	2970		
	2	6.589	6.539	6.639	802		
	3	6.742	6.692	6.792	1050		
	4	7.215	7.165	7.265	552		
COLUMN 2	5	7.456	7.406	7.506	505	1200	8.7

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O20DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-08DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070599.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.675	5.625	5.725	2990		
	2	5.946	5.896	5.996	3900		
	3	6.149	6.099	6.199	3670		
COLUMN 1	4	6.548	6.498	6.598	3720		
	5	6.587	6.537	6.637	3800	3600	
	1	4.912	4.862	4.962	3260		
	2	5.149	5.099	5.199	3760		
	3	5.191	5.141	5.241	3970		
	4	5.364	5.314	5.414	3580		
COLUMN 2	5	5.758	5.708	5.808	3790	3700	2.74

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O21DL

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-09DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070600.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.677	5.627	5.727	9230		
	2	5.947	5.897	5.997	7840		
	3	6.15	6.1	6.2	8040		
COLUMN 1	4	6.549	6.499	6.599	7690		
	5	6.588	6.538	6.638	8630	8300	
	1	4.913	4.863	4.963	9740		
	2	5.149	5.099	5.199	7330		
	3	5.192	5.142	5.242	8560		
	4	5.364	5.314	5.414	7670		
COLUMN 2	5	5.758	5.708	5.808	8170	8300	0

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O18DL2

Contract: TETR16

Lab Code: CHEM Case No.: Q1572 SAS No.: Q1572 SDG NO.: Q1572

Lab Sample ID: Q1572-06DL2 Date(s) Analyzed: 03/18/2025 03/18/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070646.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248	1	5.676	5.626	5.726	13800		
	2	5.947	5.897	5.997	12200		
	3	6.149	6.099	6.199	13200		
COLUMN 1	4	6.548	6.498	6.598	12100		
	5	6.587	6.537	6.637	13400	13000	
	1	4.91	4.86	4.96	15600		
	2	5.148	5.098	5.198	11900		
	3	5.19	5.14	5.24	12900		
	4	5.362	5.312	5.412	13100		
COLUMN 2	5	5.756	5.706	5.806	13000	13000	0
Aroclor-1260	1	7.268	7.218	7.318	1170		
	2	7.521	7.471	7.571	1150		
	3	7.879	7.829	7.929	401		
COLUMN 1	4	8.102	8.052	8.152	598		
	5	8.425	8.375	8.475	317	727	
	1	6.411	6.361	6.461	2570		
	2	6.586	6.536	6.636	649		
	3	6.74	6.69	6.79	893		
	4	7.213	7.163	7.263	385		
COLUMN 2	5	7.453	7.403	7.503	393	978	29.44

QC SAMPLE DATA

Raw Data: **PP070548.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167143BL	SDG No.:	Q1572
Lab Sample ID:	PB167143BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070548.D	1	03/14/25 12:25	03/14/25 22:36	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	17.0	U	5.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		32 - 175	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070548.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:36
Operator : YP\AJ
Sample : PB167143BL
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167143BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	31678309	21499894	20.367	21.451
2)	SA Decachlor...	10.241	8.871	22520411	20574512	21.199	21.030
	Target Compounds						

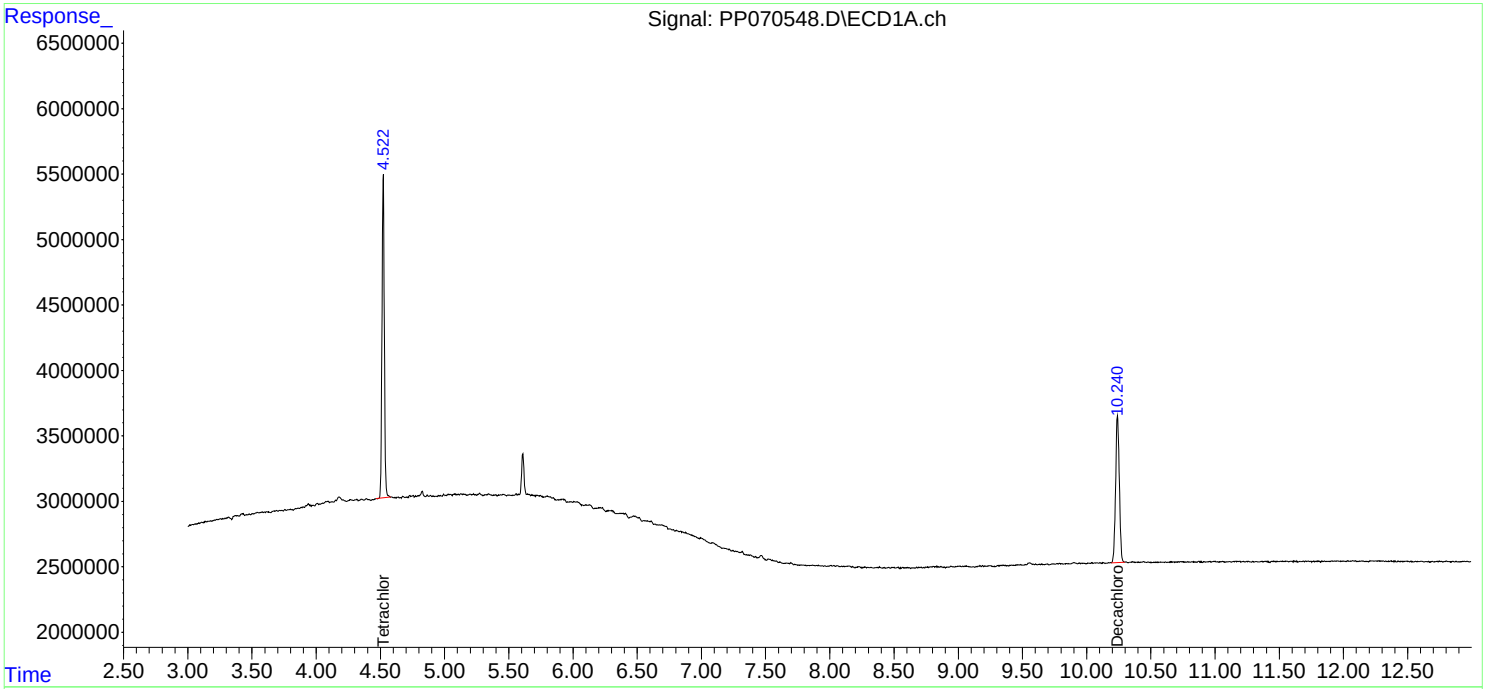
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

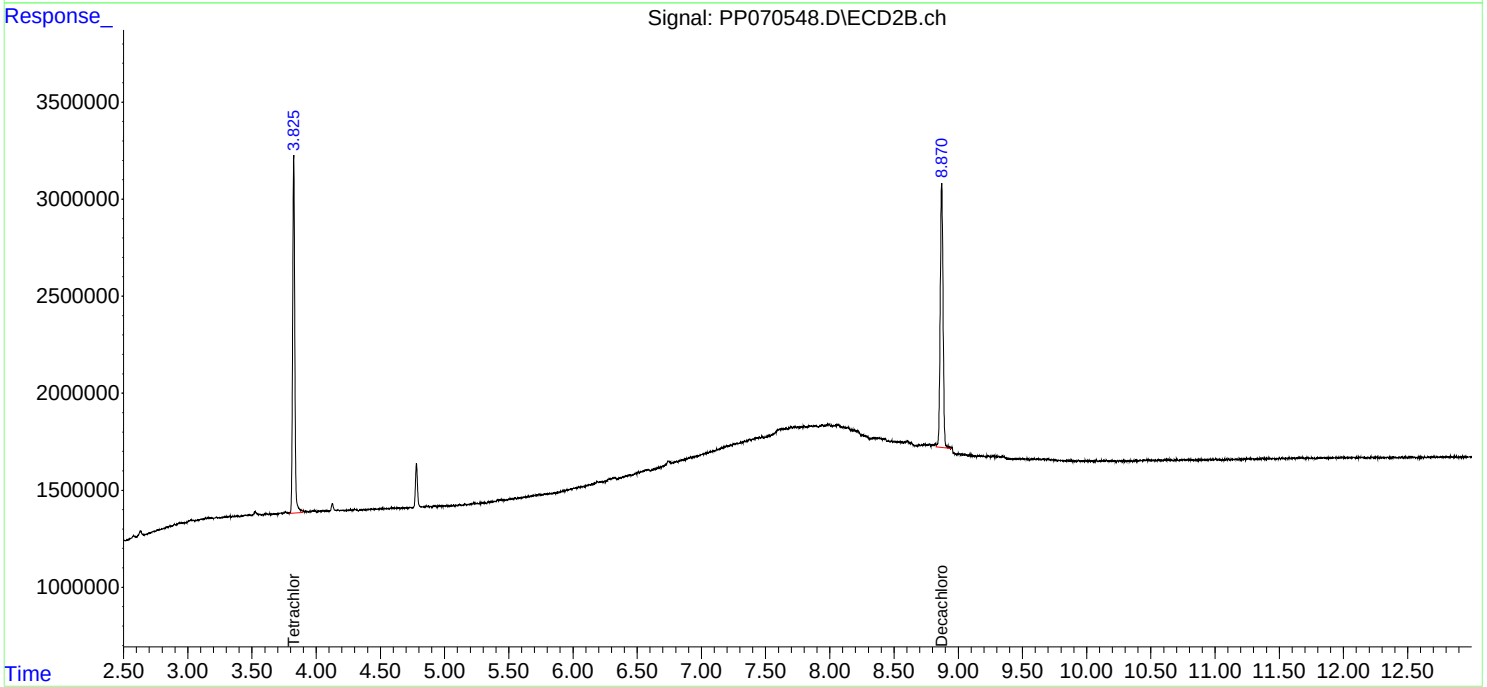
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:36
Operator : YP\AJ
Sample : PB167143BL
Misc :
ALS Vial : 35 Sample Multiplier: 1

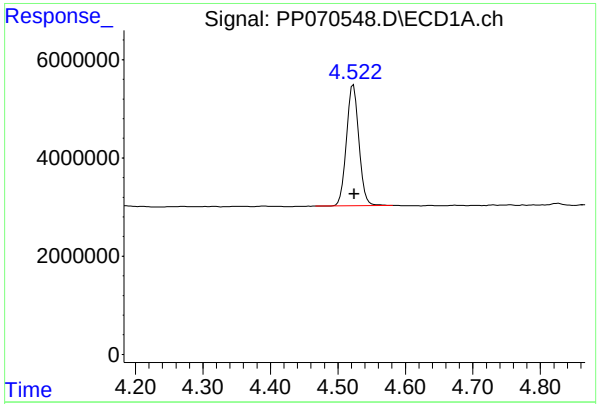
Instrument :
ECD_P
ClientSampleId :
PB167143BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



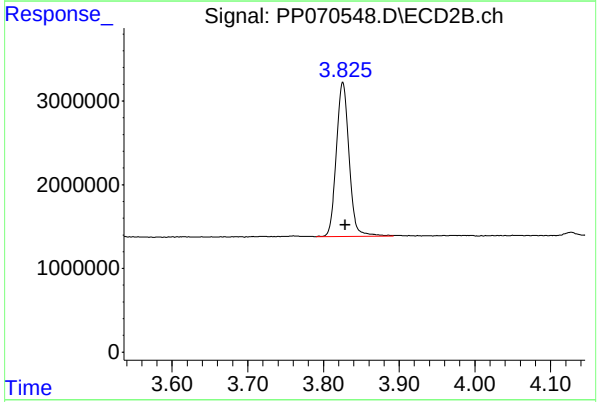




#1 Tetrachloro-m-xylene

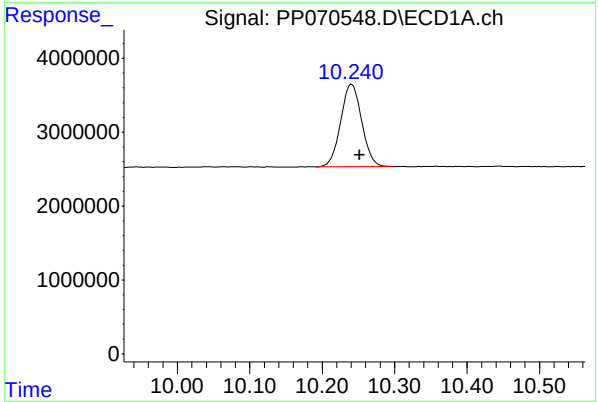
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 31678309
Conc: 20.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167143BL



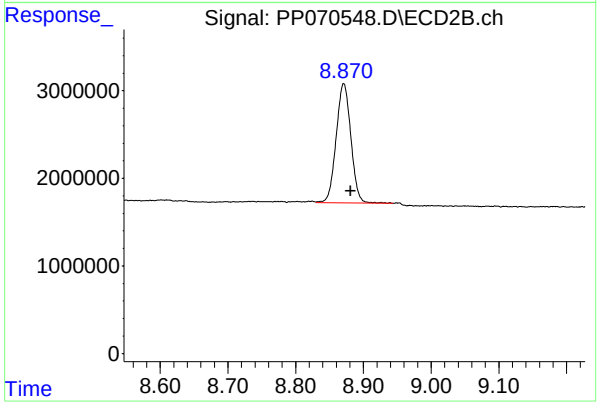
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 21499894
Conc: 21.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 22520411
Conc: 21.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 20574512
Conc: 21.03 ng/ml

Raw Data: **PO109425.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	02/20/25
Project:	R36884 - PCB	Date Received:	02/20/25
Client Sample ID:	PIBLK-PO109425.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109425.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109425.D	1		02/20/25	PO022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		60 - 140	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.3		60 - 140	126%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO109425.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:28
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:42:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	239.0E6	126.2E6	25.246	24.105
2)	SA Decachlor...	8.755	8.707	217.3E6	81112838	25.266	25.473
	Target Compounds						

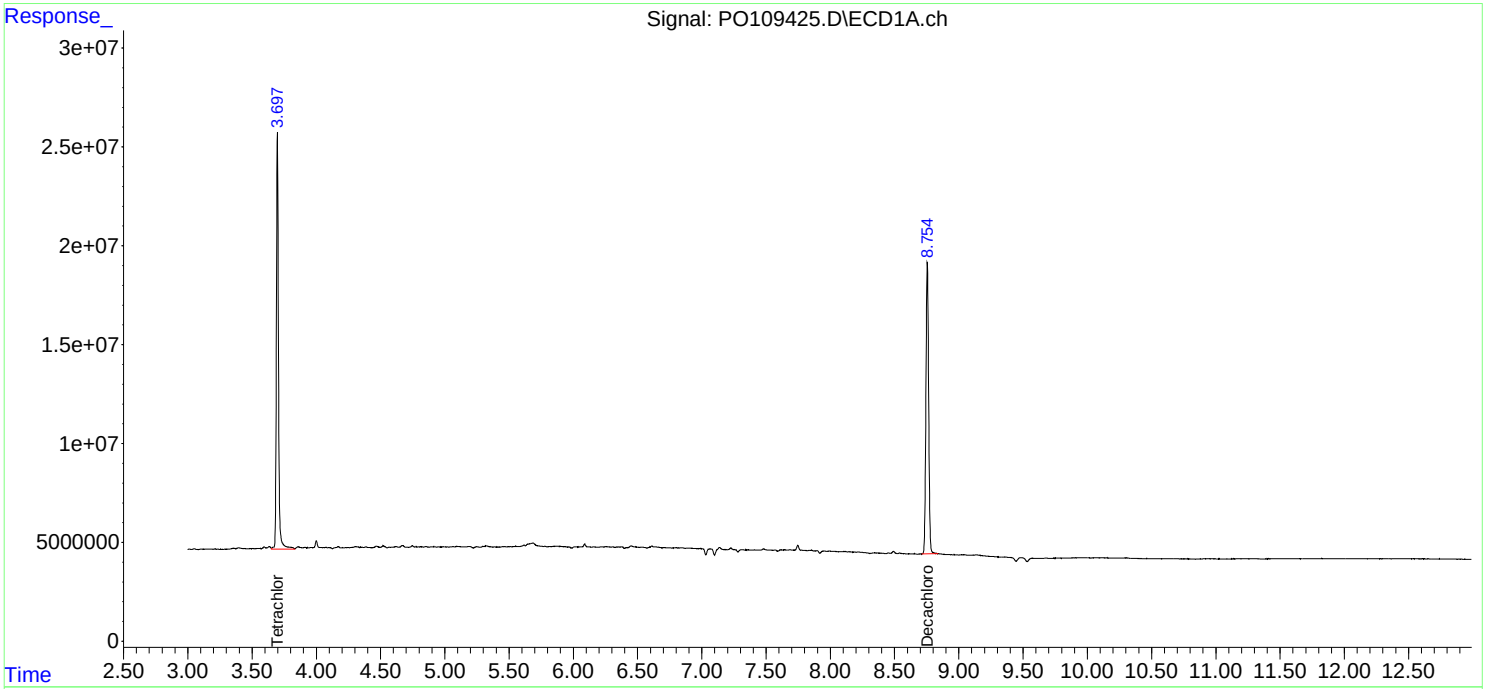
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

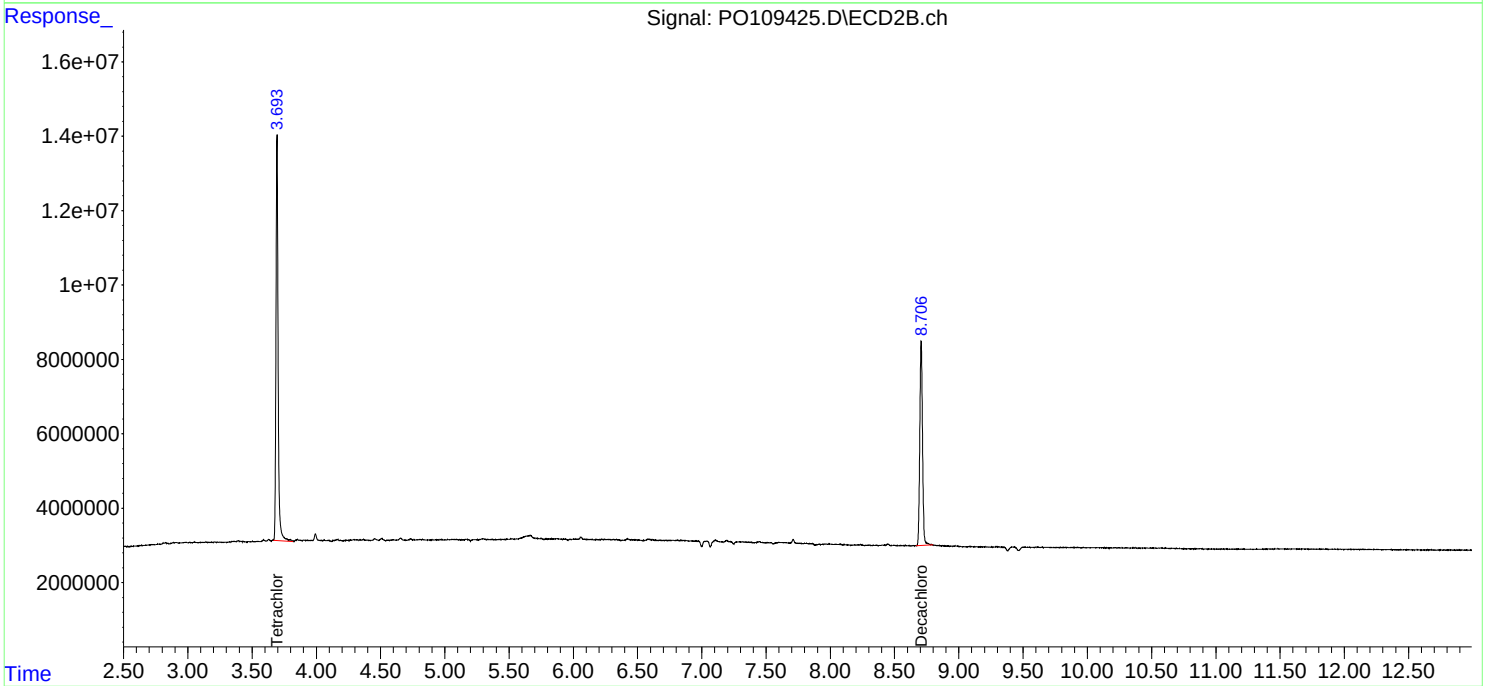
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022025\
Data File : PO109425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:28
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

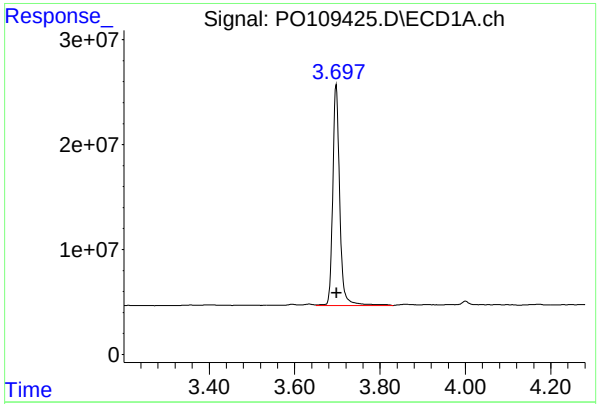
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 04:42:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



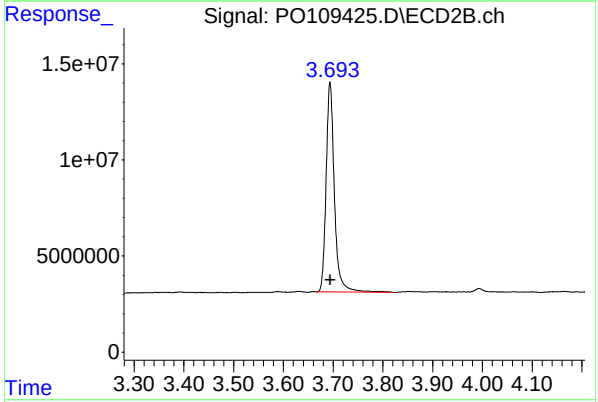




#1 Tetrachloro-m-xylene

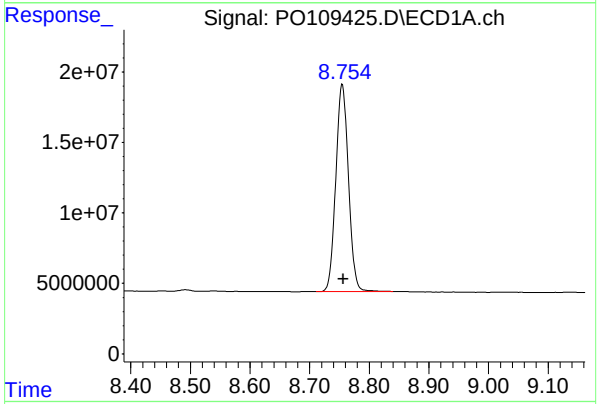
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 238952889
Conc: 25.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



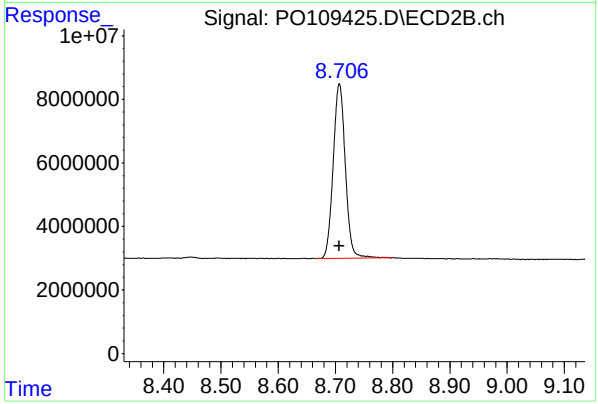
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 126170966
Conc: 24.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: -0.002 min
Response: 217333363
Conc: 25.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 81112838
Conc: 25.47 ng/ml

Raw Data: **PO109894.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/14/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	PIBLK-PO109894.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109894.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109894.D	1		03/14/25	po031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		60 - 140	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	93%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PO109894.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 16:25
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	195.8E6	110.0E6	20.688	21.024
2)	SA Decachlor...	8.743	8.696	160.1E6	59294261	18.618	18.621
	Target Compounds						

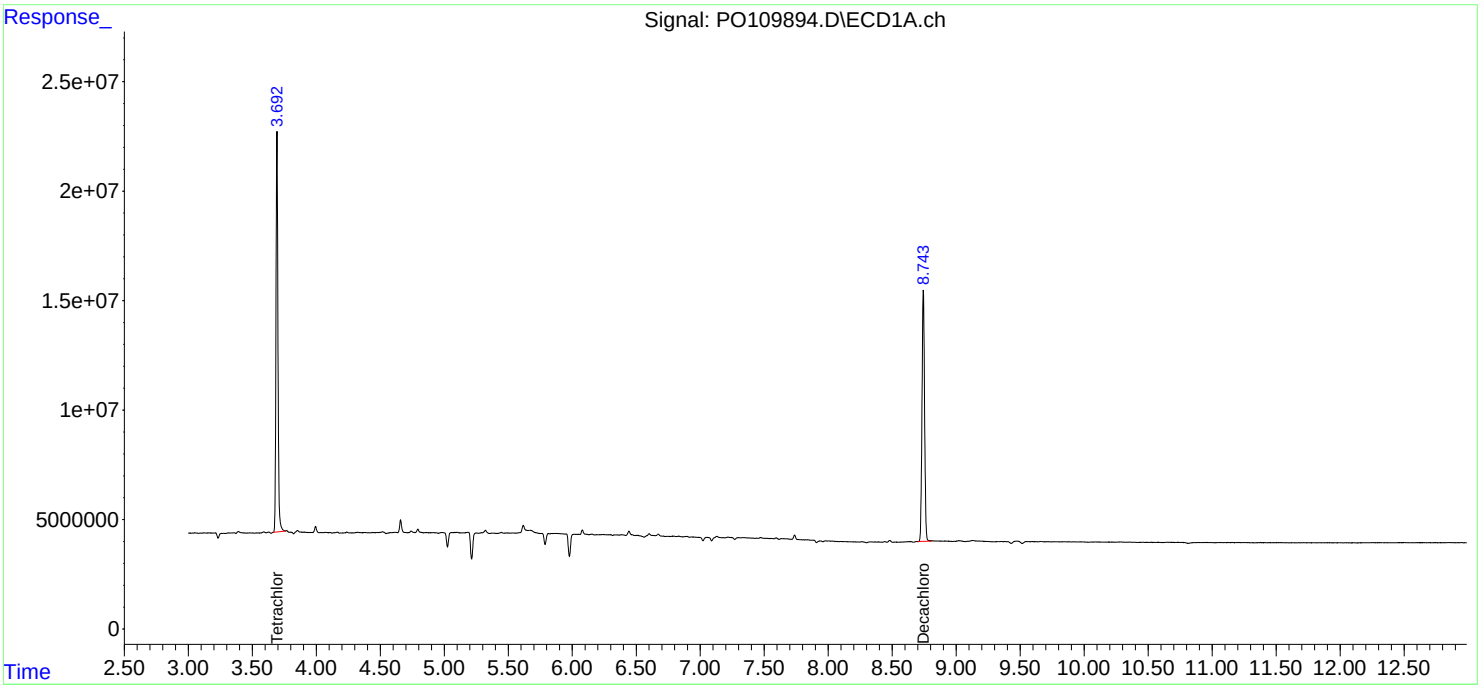
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

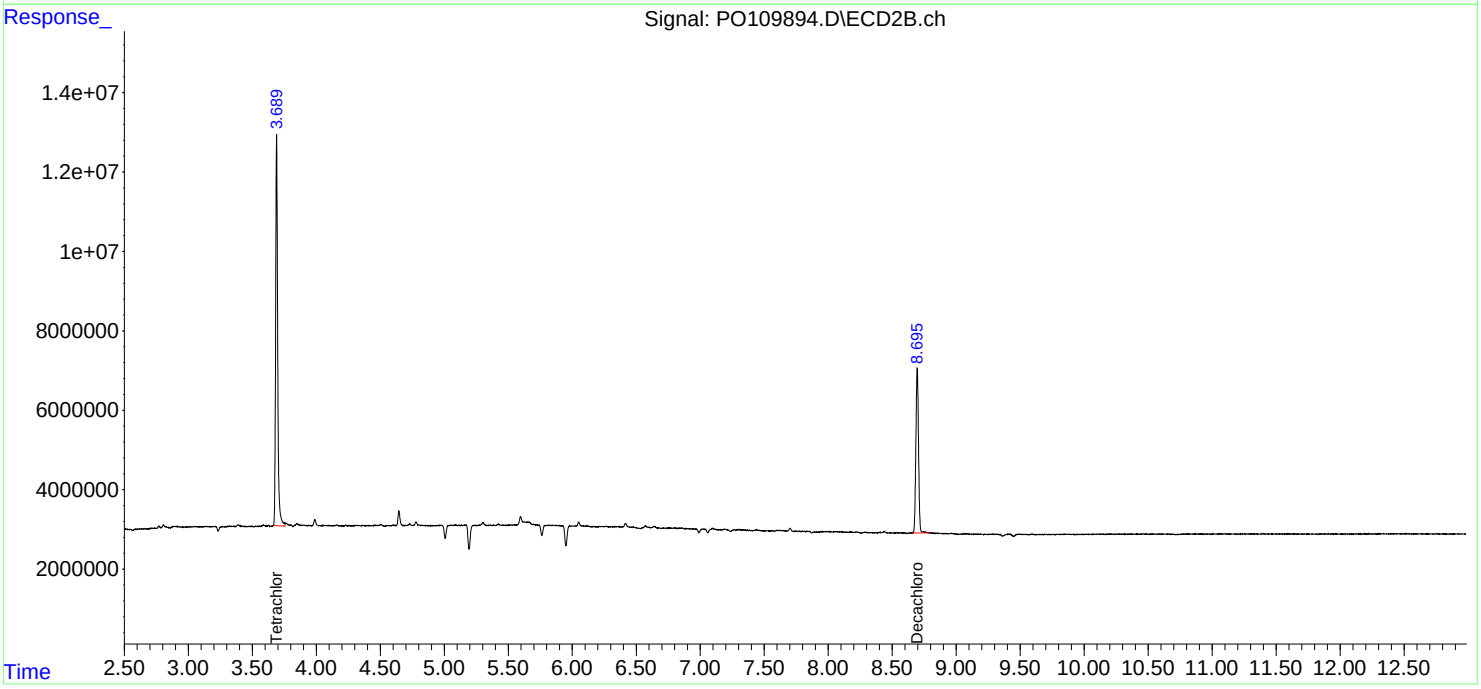
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 16:25
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

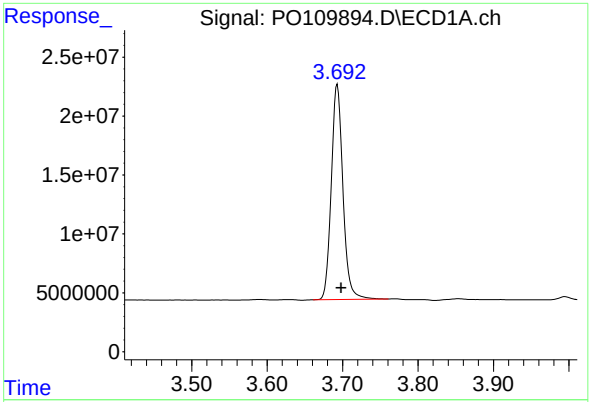
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



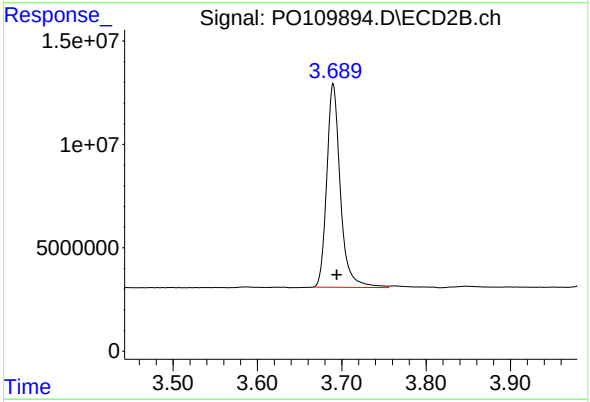




#1 Tetrachloro-m-xylene

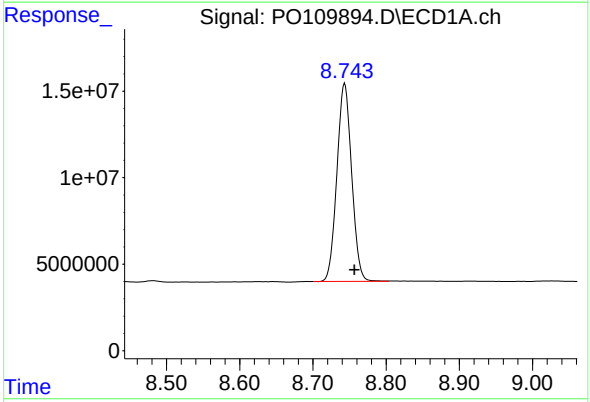
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 195811458
Conc: 20.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



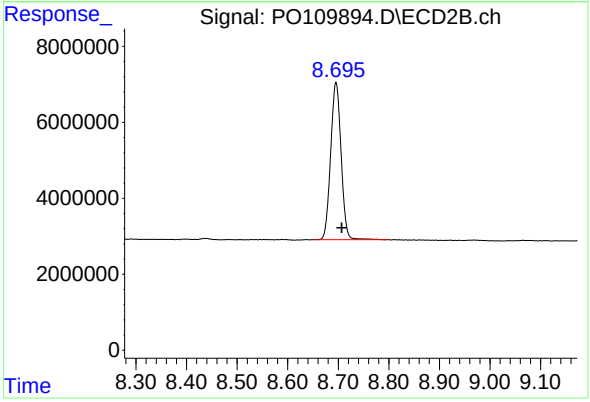
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 110046351
Conc: 21.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.013 min
Response: 160149280
Conc: 18.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: -0.011 min
Response: 59294261
Conc: 18.62 ng/ml

Raw Data: **PO109908.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/14/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	PIBLK-PO109908.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109908.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109908.D	1		03/14/25	po031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		60 - 140	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		60 - 140	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 23:12
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:08:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	196.6E6	110.5E6	20.774	21.120
2)	SA Decachlor...	8.744	8.695	157.5E6	59796627	18.307	18.779
	Target Compounds						

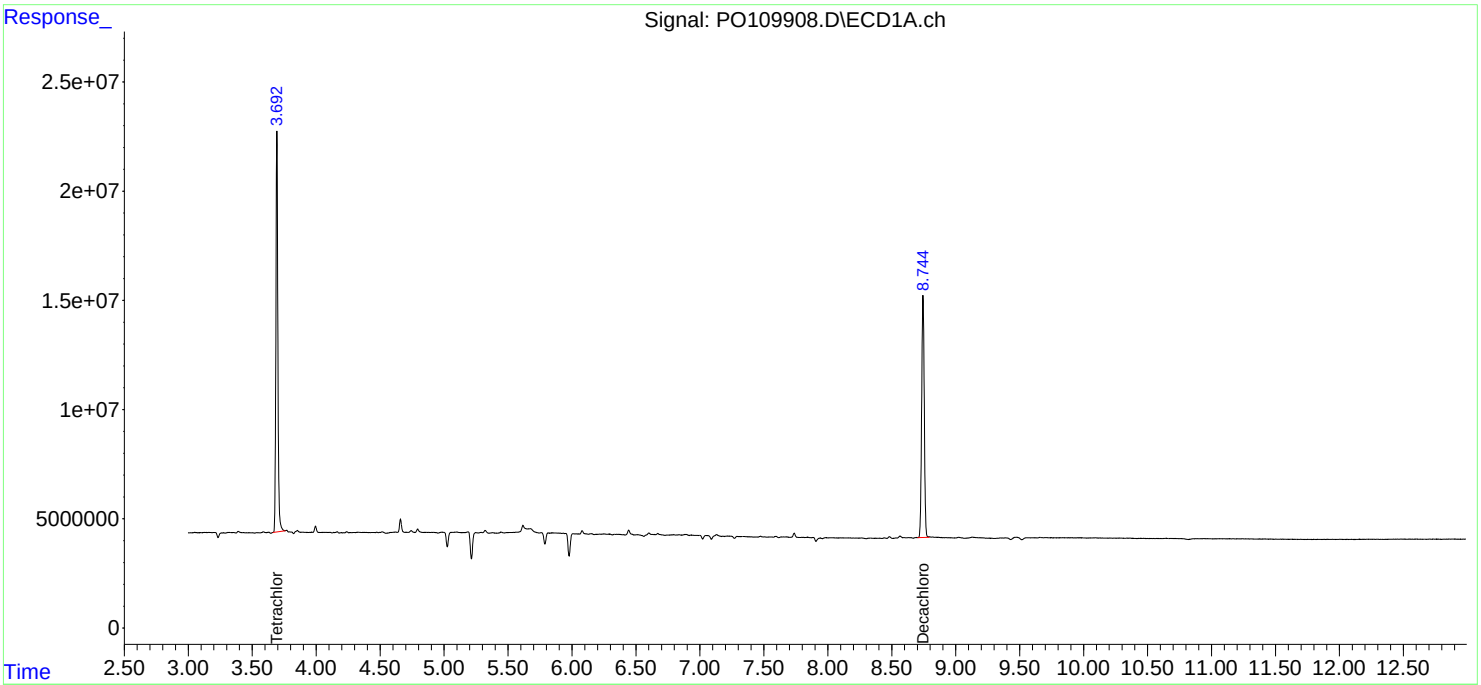
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

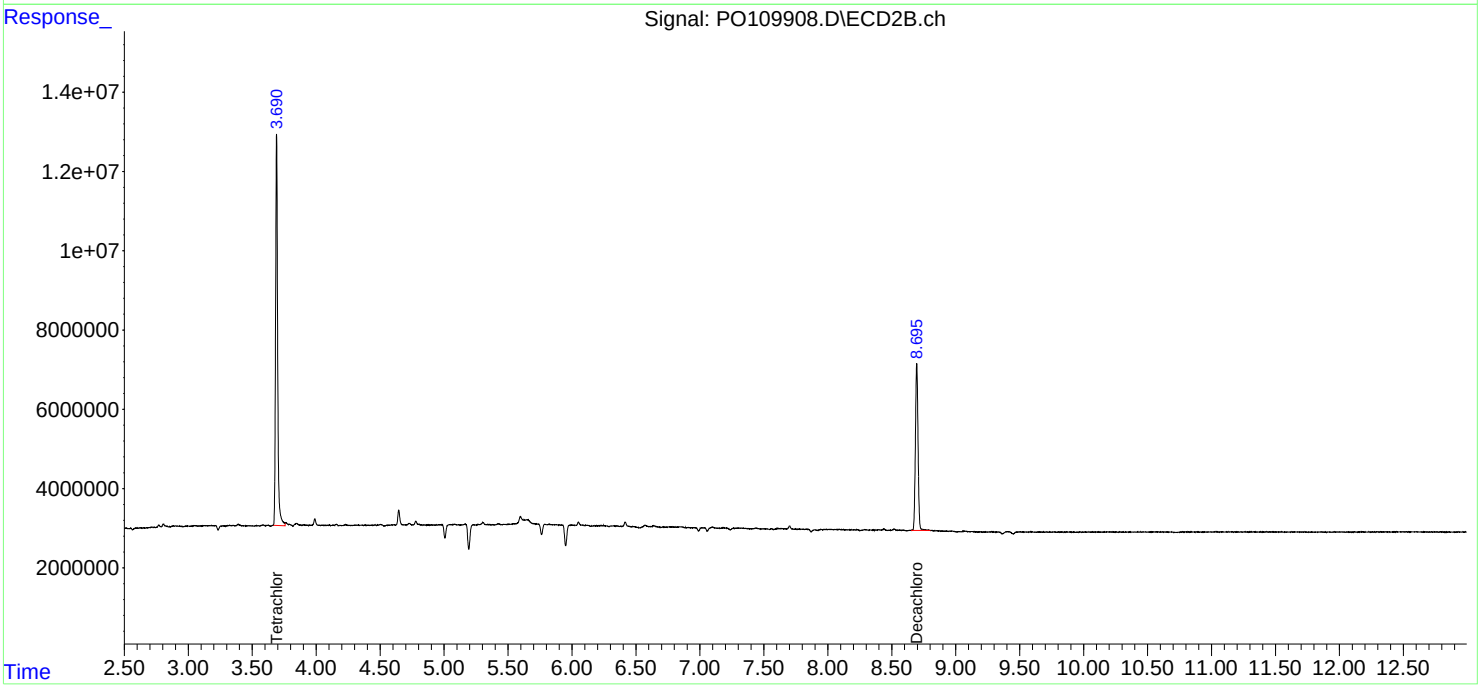
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031425\
Data File : PO109908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 23:12
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

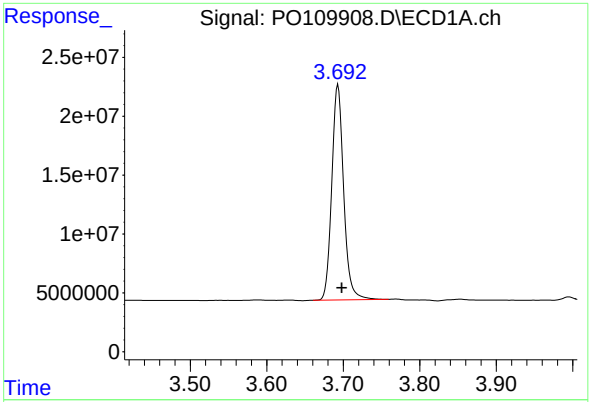
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 00:08:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



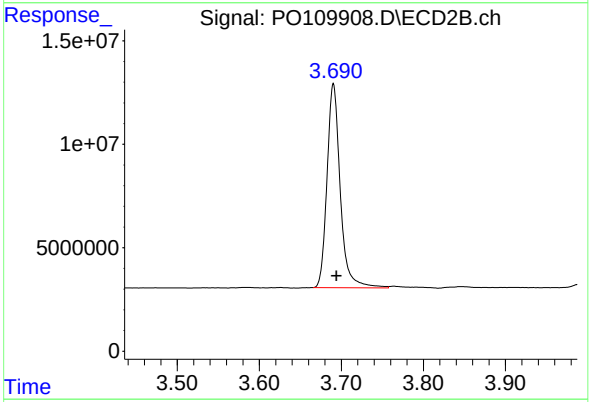




#1 Tetrachloro-m-xylene

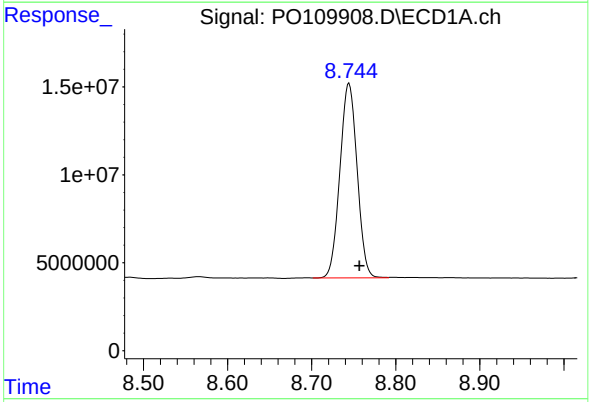
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 196627860
Conc: 20.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



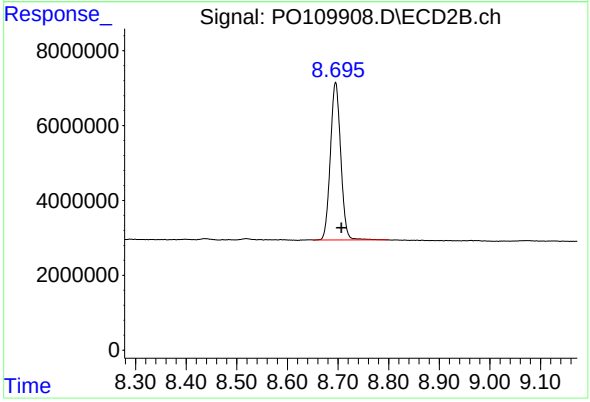
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.003 min
Response: 110546345
Conc: 21.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.012 min
Response: 157477841
Conc: 18.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.012 min
Response: 59796627
Conc: 18.78 ng/ml

Raw Data: **PO109927.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PO109927.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109927.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109927.D	1		03/17/25	PO031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140	86%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO109927.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:26
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.691	189.2E6	106.6E6	19.986	20.362
2)	SA Decachlor...	8.745	8.697	147.6E6	55579193	17.153	17.454
	Target Compounds						

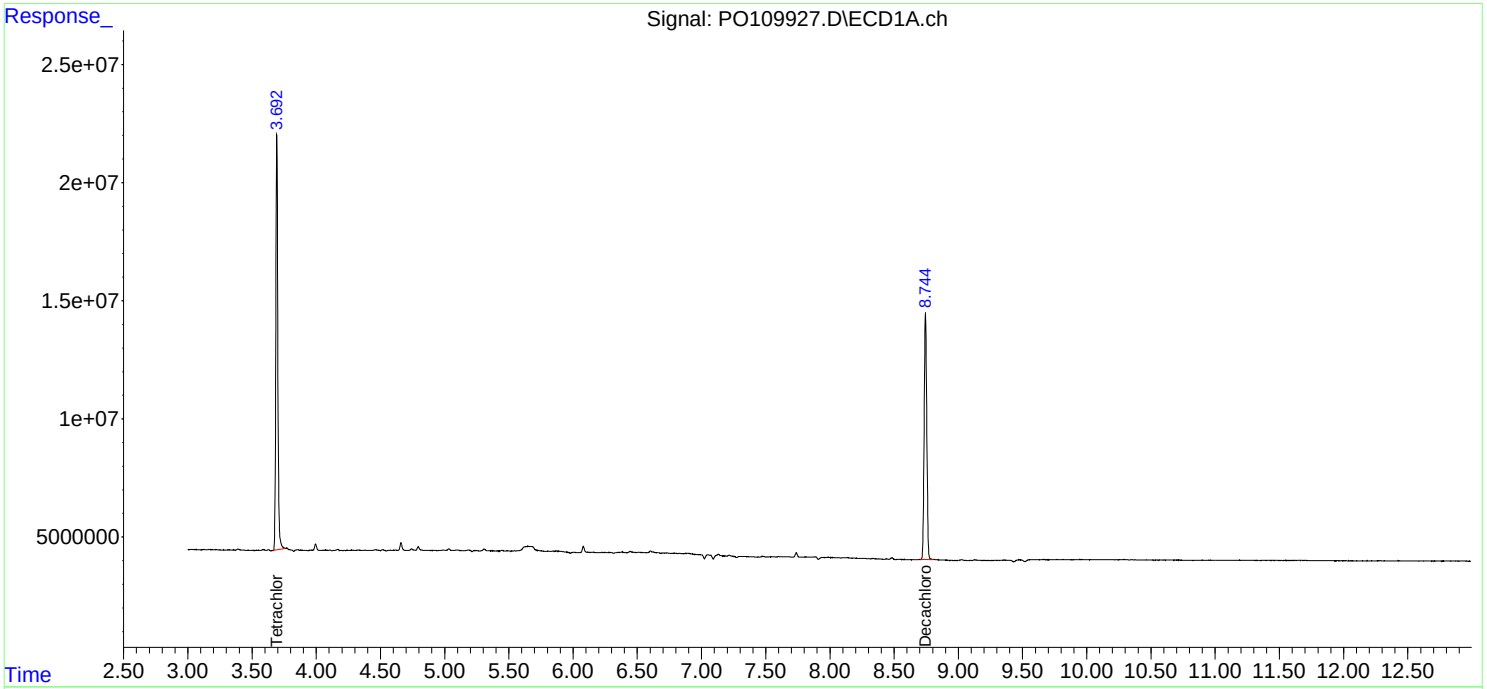
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

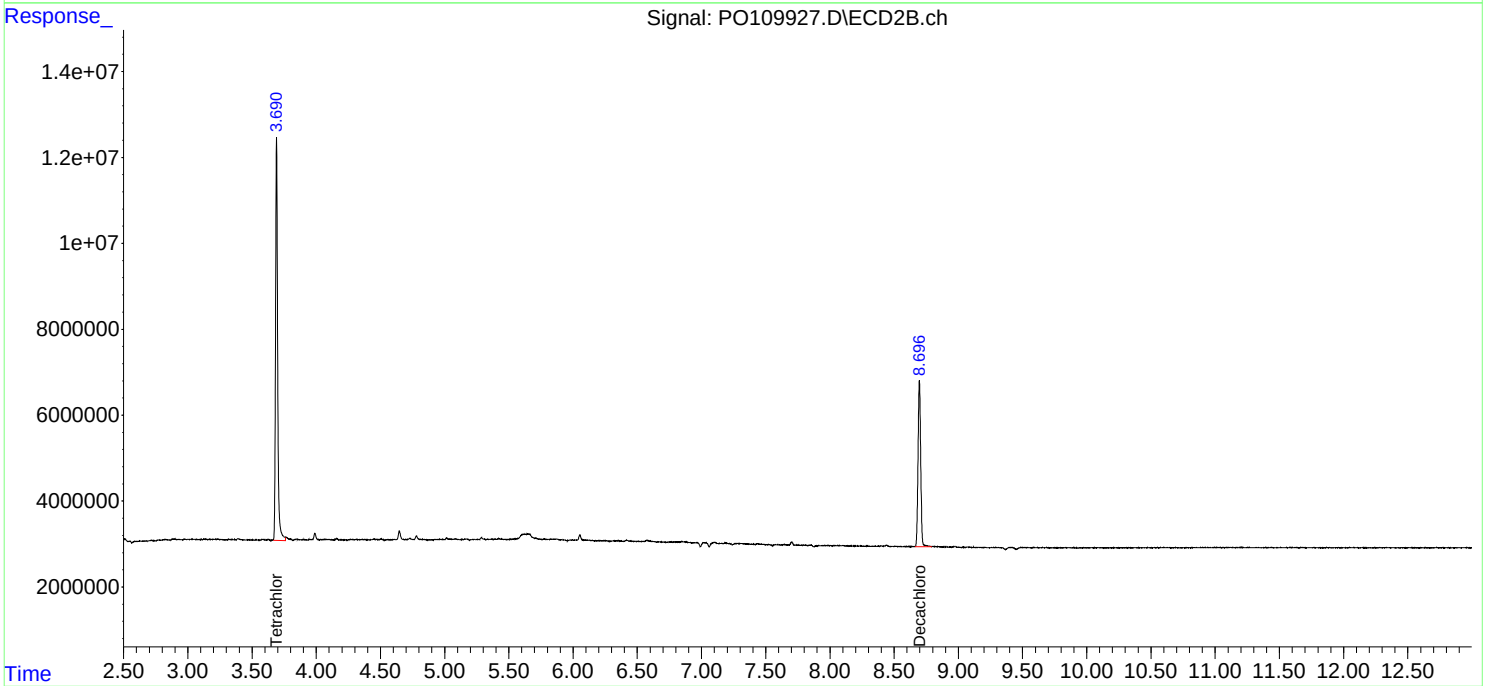
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:26
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

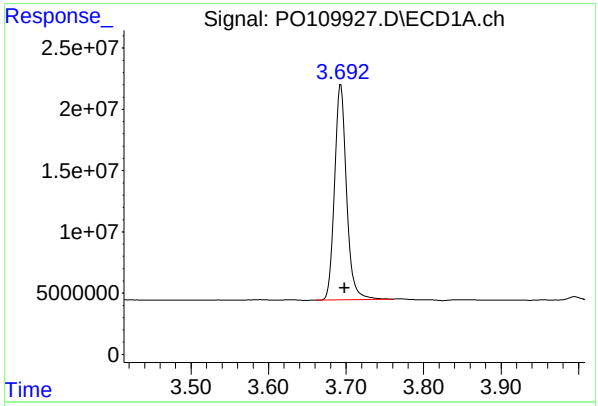
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



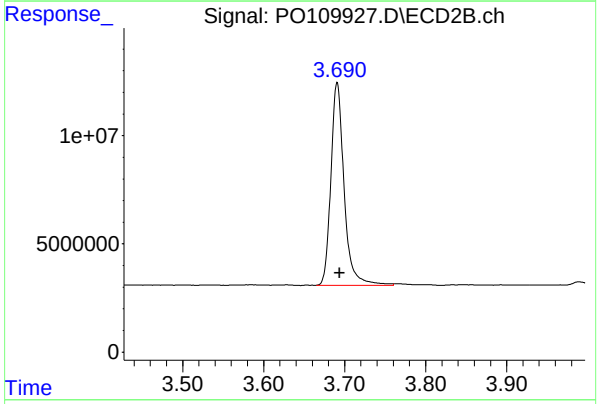




#1 Tetrachloro-m-xylene

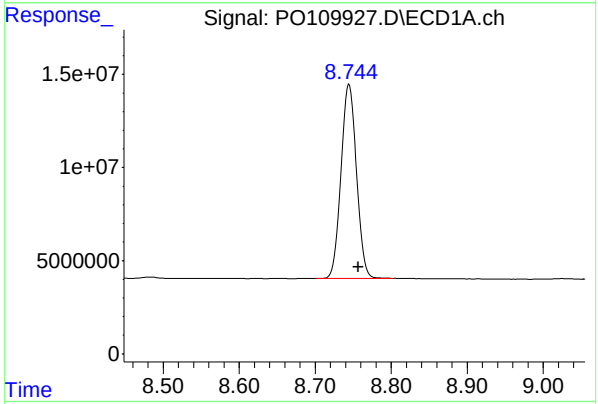
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 189173180
Conc: 19.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



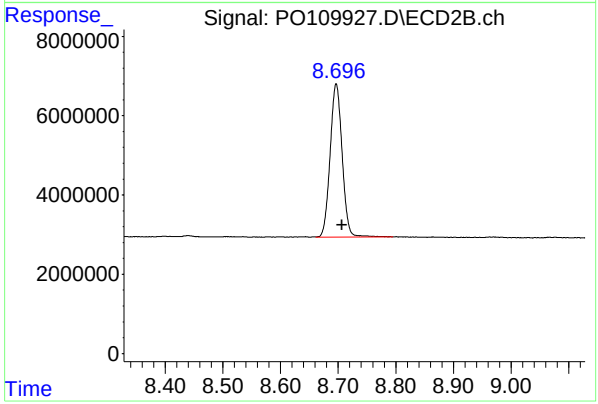
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.003 min
Response: 106579604
Conc: 20.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: -0.012 min
Response: 147551020
Conc: 17.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.697 min
Delta R.T.: -0.010 min
Response: 55579193
Conc: 17.45 ng/ml

Raw Data: **PO109939.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PO109939.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109939.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109939.D	1		03/17/25	PO031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		60 - 140	83%	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: **PO109939.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:42
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	192.7E6	107.3E6	20.359	20.501
2)	SA Decachlor...	8.746	8.696	151.0E6	52543071	17.560	16.501
	Target Compounds						

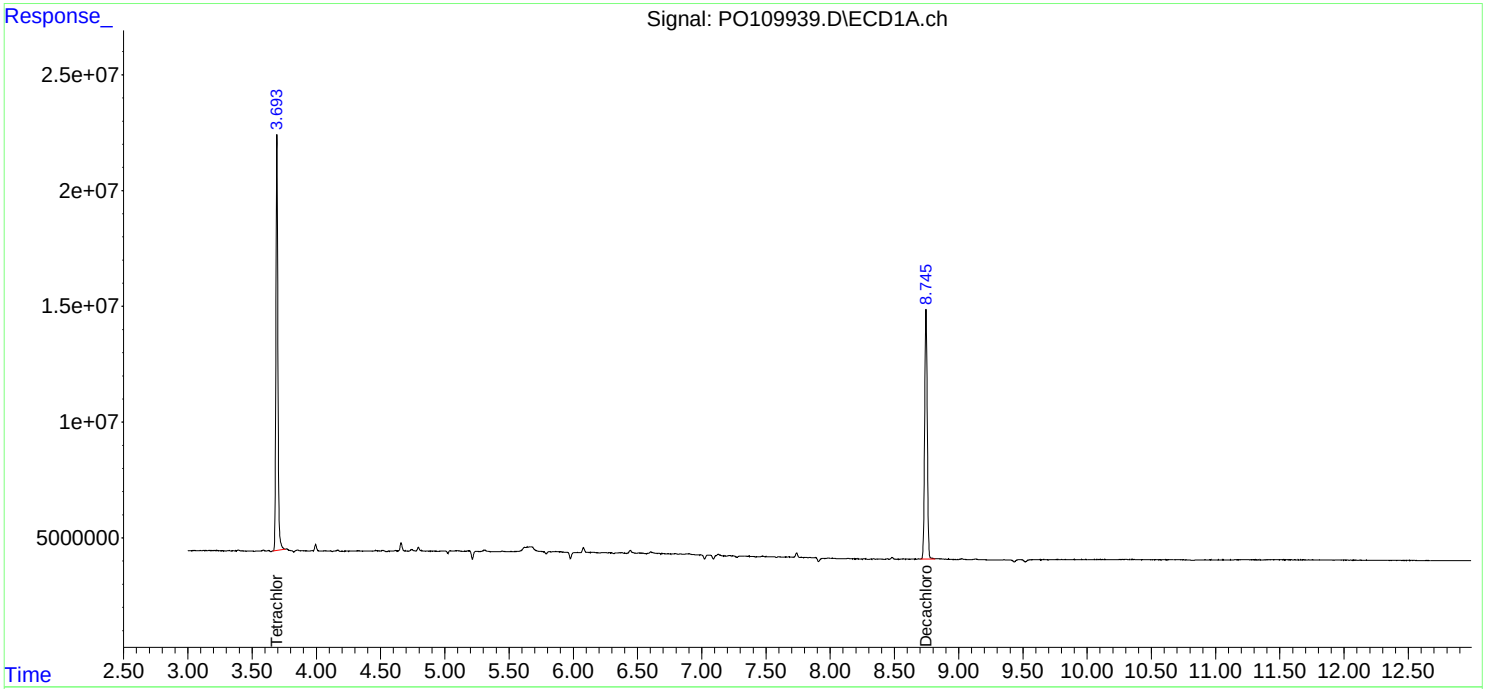
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

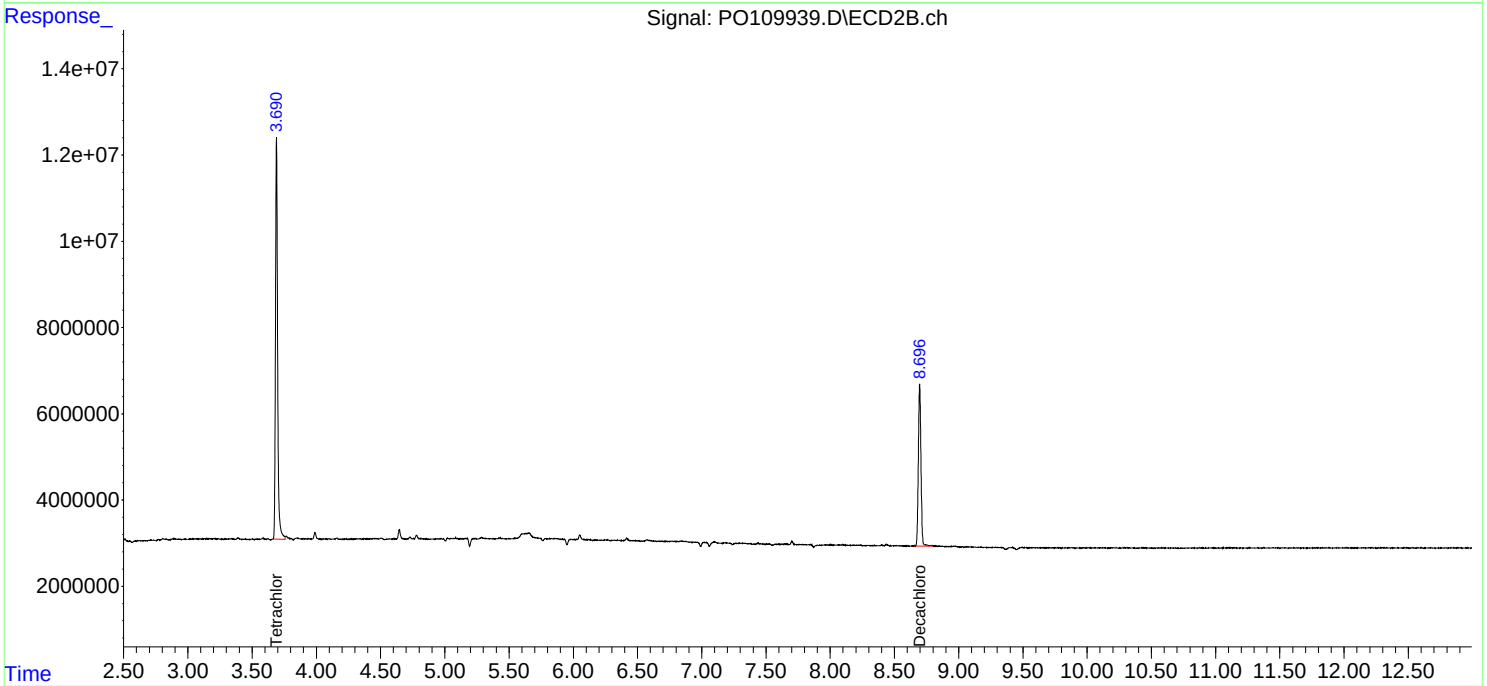
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:42
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

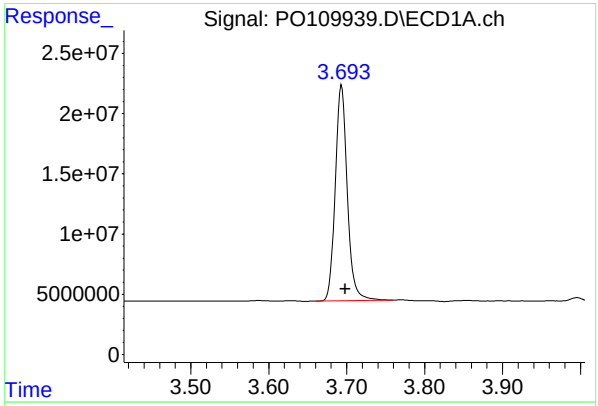
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



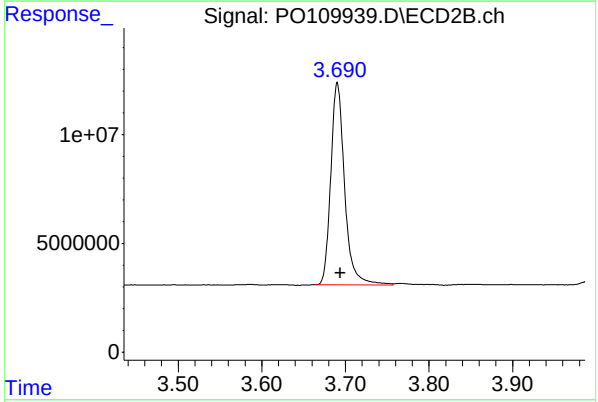




#1 Tetrachloro-m-xylene

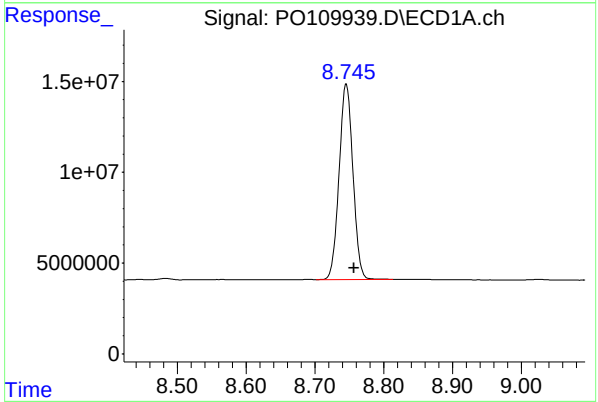
R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 192701731
Conc: 20.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
I,BLK



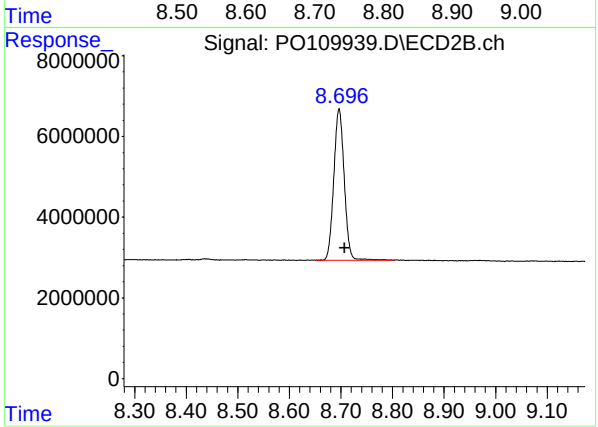
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 107306369
Conc: 20.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.746 min
Delta R.T.: -0.011 min
Response: 151045676
Conc: 17.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: -0.010 min
Response: 52543071
Conc: 16.50 ng/ml

Raw Data: **PO109965.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PO109965.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109965.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109965.D	1		03/18/25	po031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
Total PCBs	Total PCBs	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		16 - 158	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		10 - 173	90%	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: **PO109965.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109965.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:00
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	197.4E6	107.7E6	20.860	20.584
2)	SA Decachlor...	8.743	8.694	154.2E6	49276671	17.928	15.475
	Target Compounds						

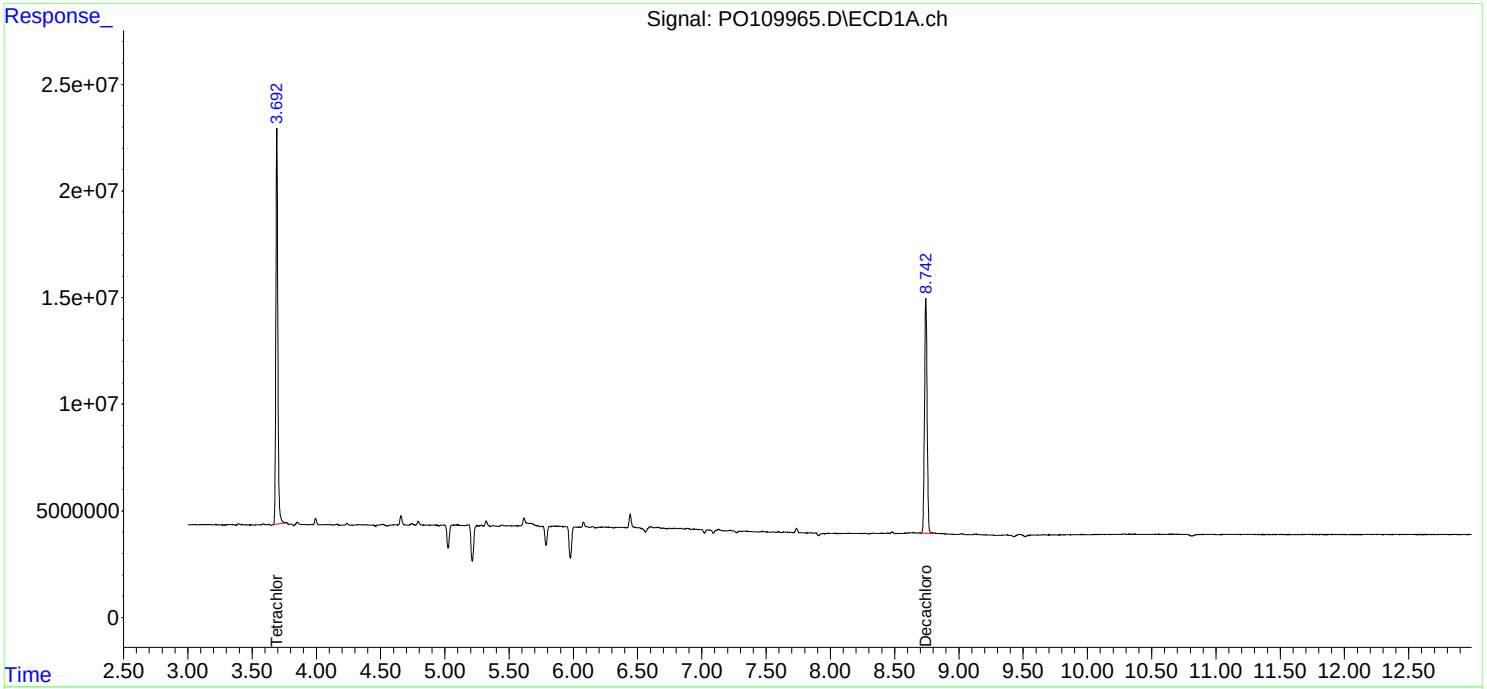
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

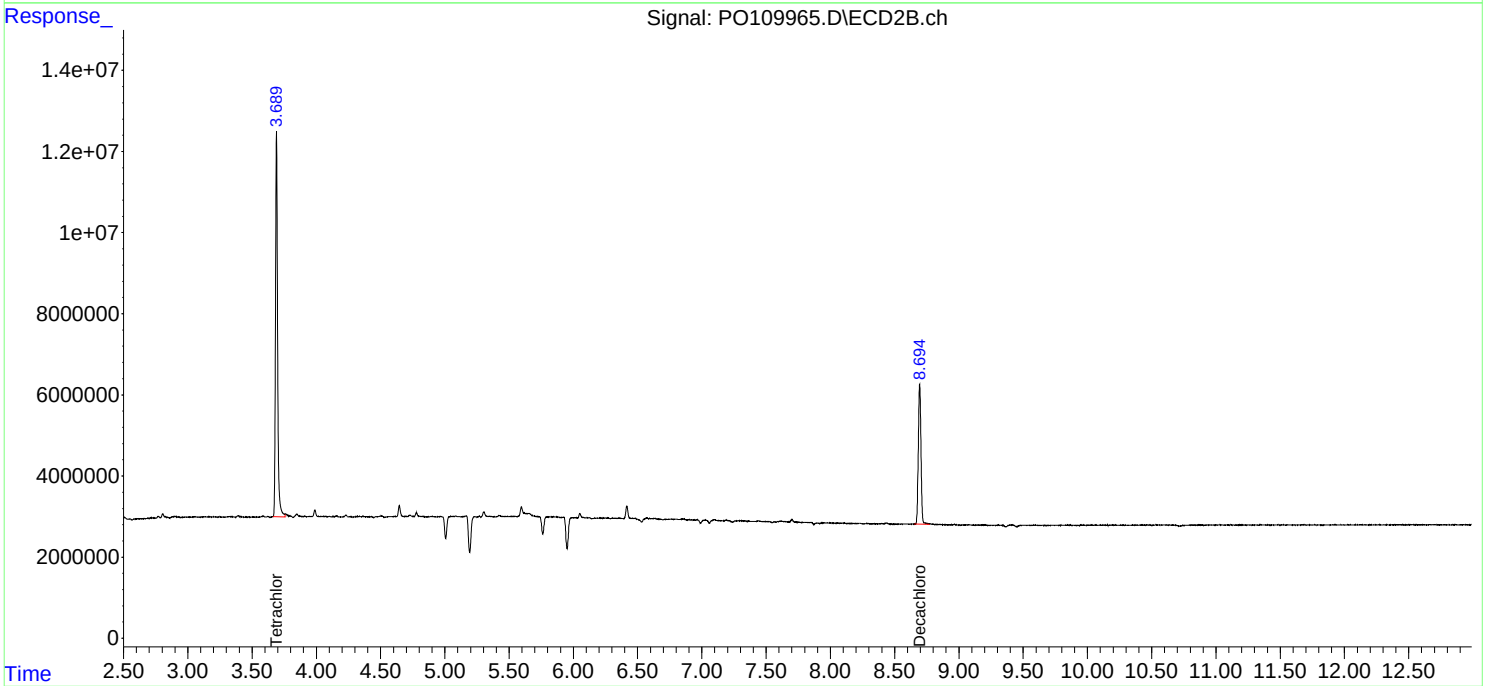
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109965.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:00
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

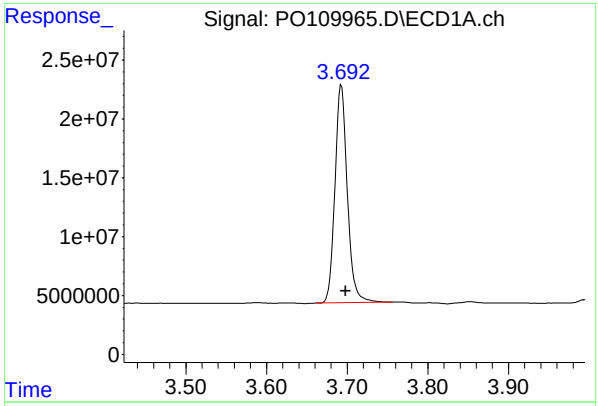
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



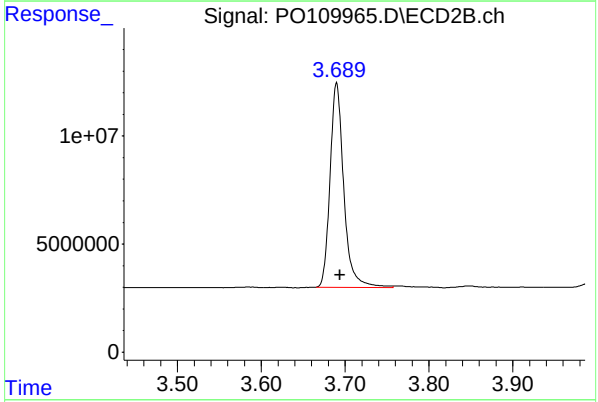




#1 Tetrachloro-m-xylene

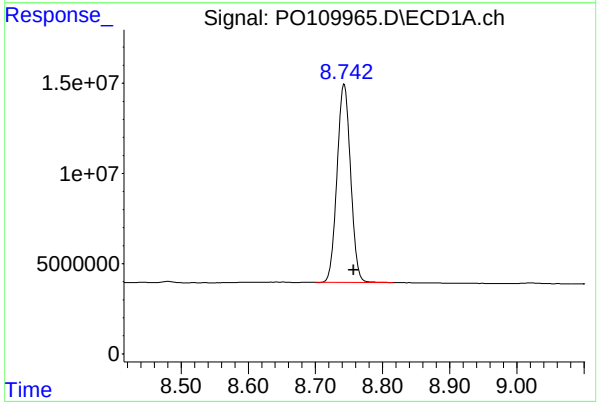
R.T.: 3.693 min
Delta R.T.: -0.005 mi
Response: 197445316
Conc: 20.86 ng/m

Instrument :
ECD_O
ClientSampleId :
I.BLK



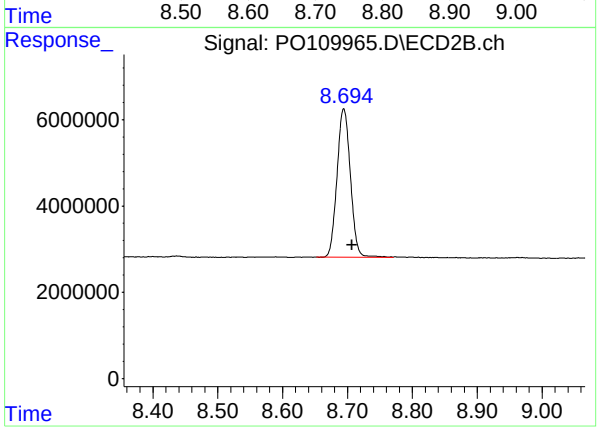
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 107743590
Conc: 20.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.014 min
Response: 154213990
Conc: 17.93 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.013 min
Response: 49276671
Conc: 15.48 ng/ml

Raw Data: **PO109969.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PO109969.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PO109969.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109969.D	1		03/18/25	po031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
Total PCBs	Total PCBs	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		16 - 158	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		10 - 173	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO109969.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109969.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:32
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	191.8E6	105.1E6	20.263	20.072
2)	SA Decachlor...	8.744	8.695	151.5E6	52417526	17.613	16.461
	Target Compounds						

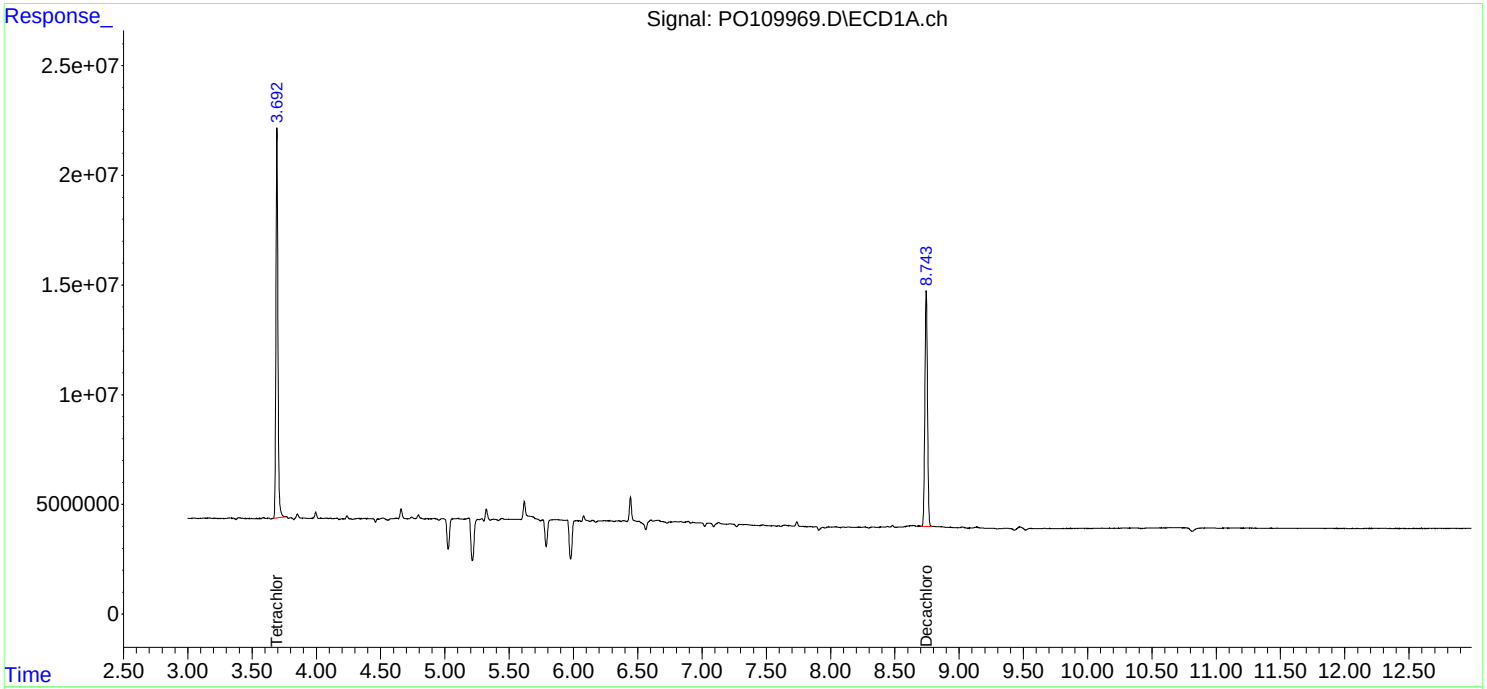
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

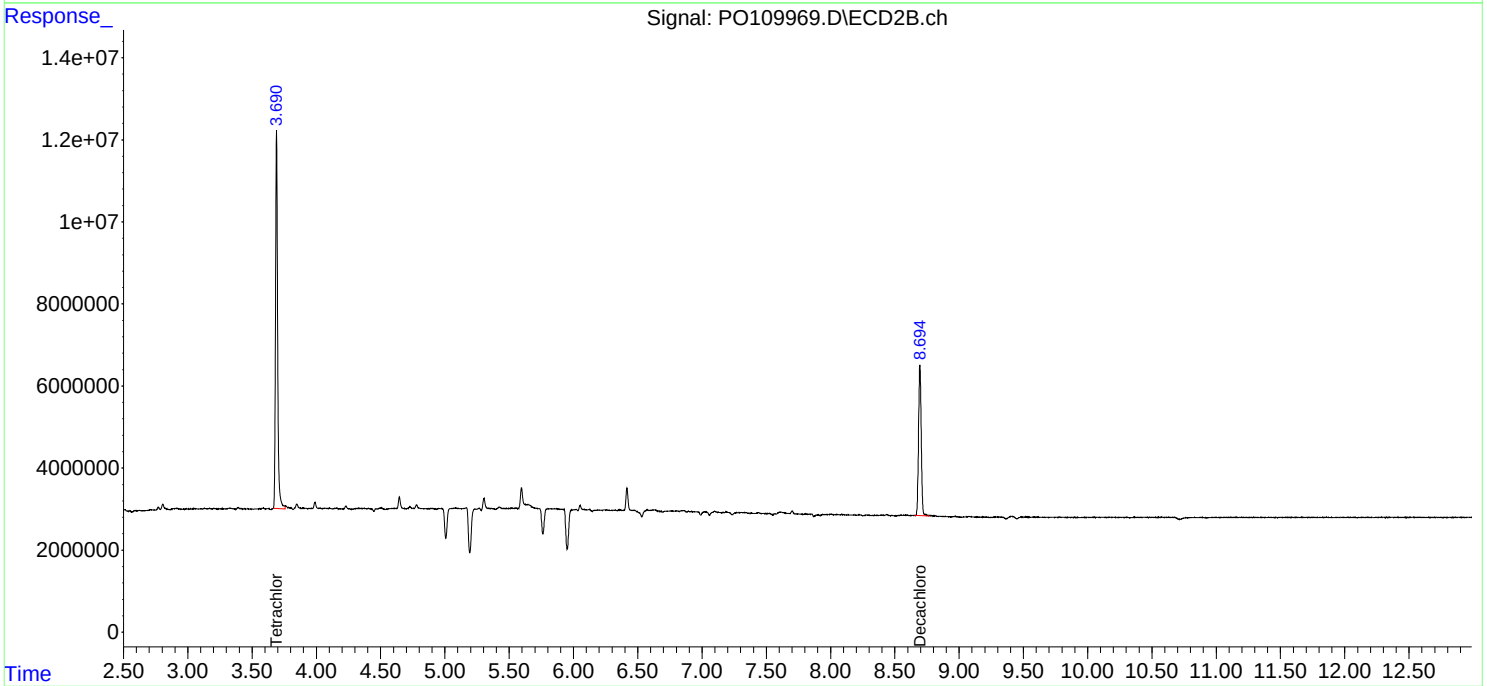
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031825\
Data File : PO109969.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:32
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

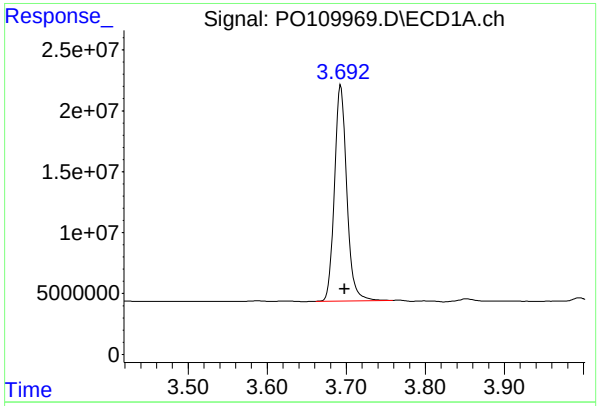
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



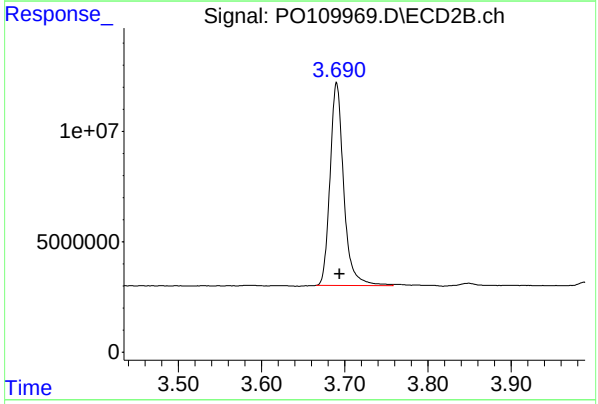




#1 Tetrachloro-m-xylene

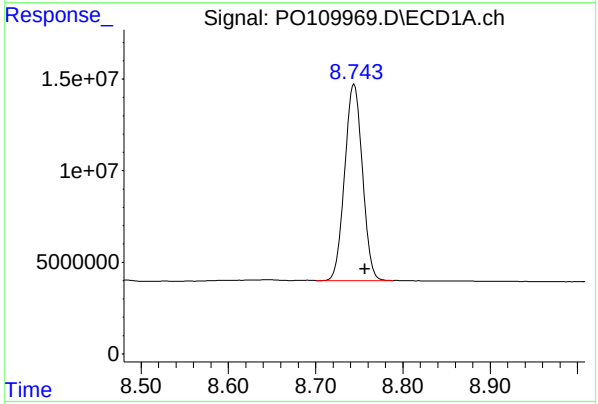
R.T.: 3.693 min
Delta R.T.: -0.005 mi
Response: 191789825
Conc: 20.26 ng/m

Instrument :
ECD_O
ClientSampleId :
I.BLK



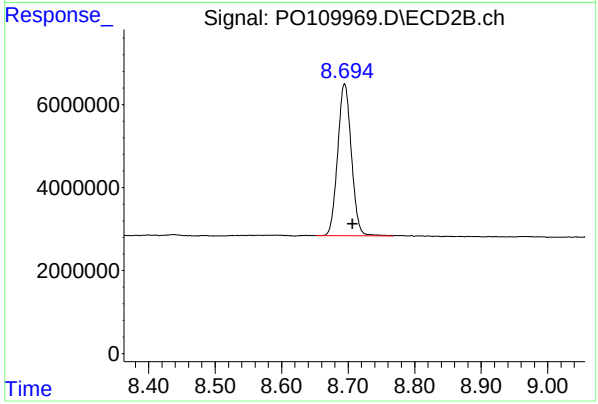
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 105058974
Conc: 20.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.013 min
Response: 151503004
Conc: 17.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.012 min
Response: 52417526
Conc: 16.46 ng/ml

Raw Data: **PP070418.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/11/25
Project:	R36884 - PCB	Date Received:	03/11/25
Client Sample ID:	PIBLK-PP070418.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070418.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070418.D	1		03/11/25	pp031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		60 - 140	116%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:57
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.828	34285116	23007566	22.043	22.955
2)	SA Decachlor...	10.252	8.880	24539341	22949882	23.099	23.457
	Target Compounds						

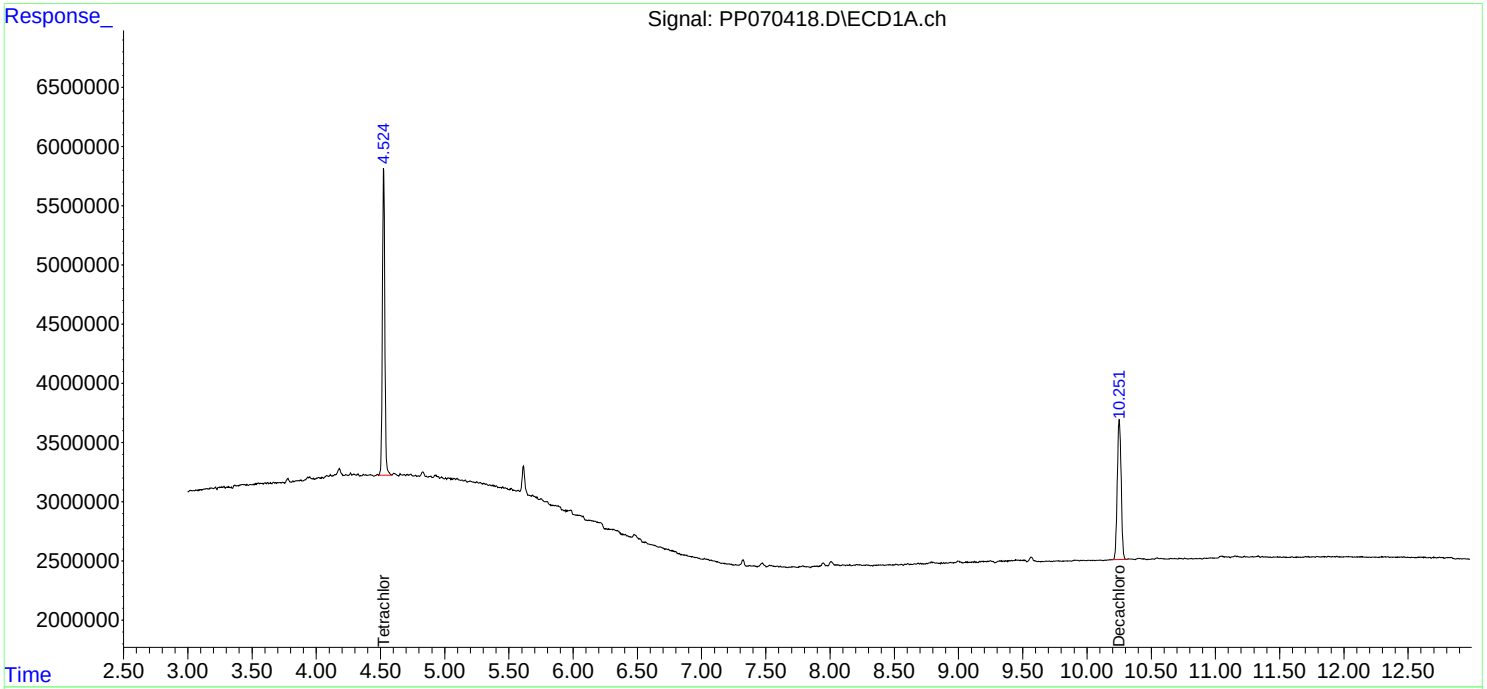
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

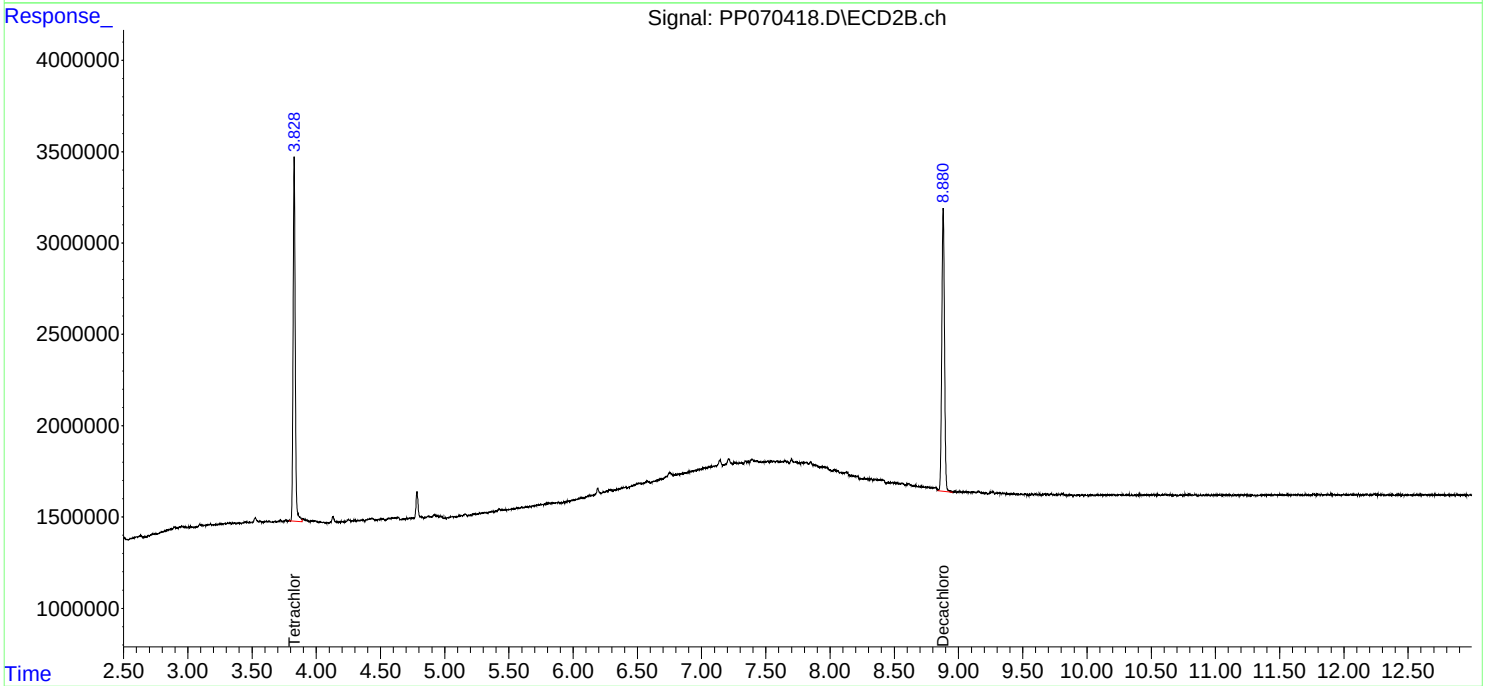
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:57
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

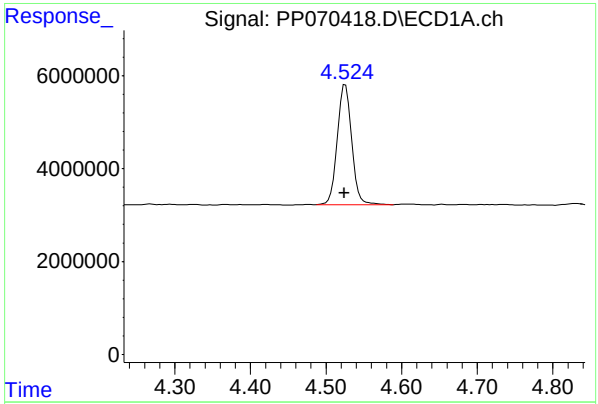
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



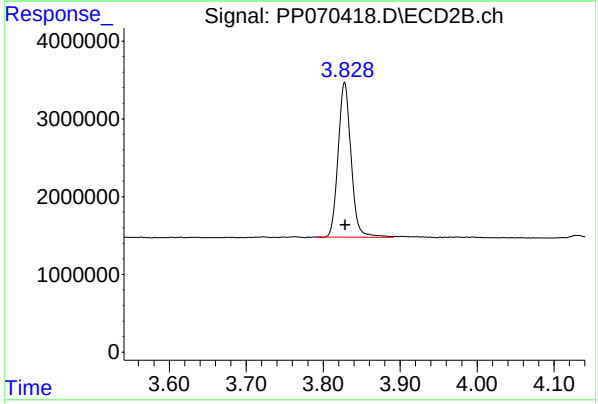




#1 Tetrachloro-m-xylene

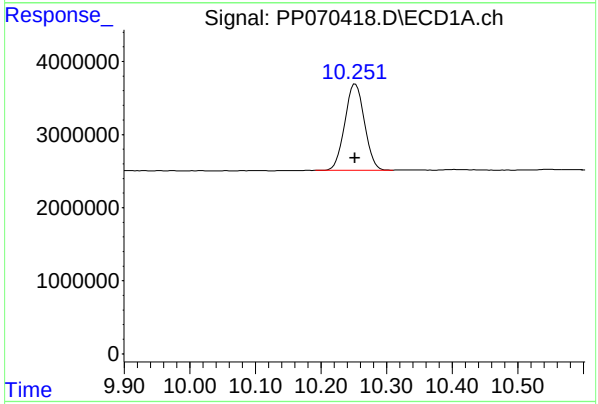
R.T.: 4.526 min
Delta R.T.: 0.002 mi
Response: 34285116
Conc: 22.04 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



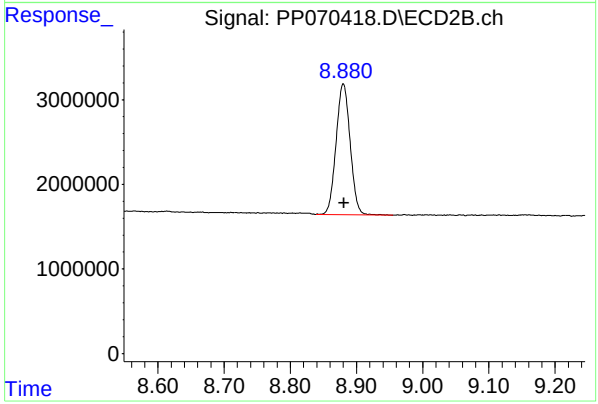
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 23007566
Conc: 22.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 24539341
Conc: 23.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: -0.001 min
Response: 22949882
Conc: 23.46 ng/ml

Raw Data: **PP070547.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/14/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	PIBLK-PP070547.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070547.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070547.D	1		03/14/25	pp031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		60 - 140	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070547.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:20
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 23:48:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.825	30287647	20508990	19.473	20.462
2)	SA Decachlor...	10.241	8.871	21532021	19995397	20.268	20.438
	Target Compounds						

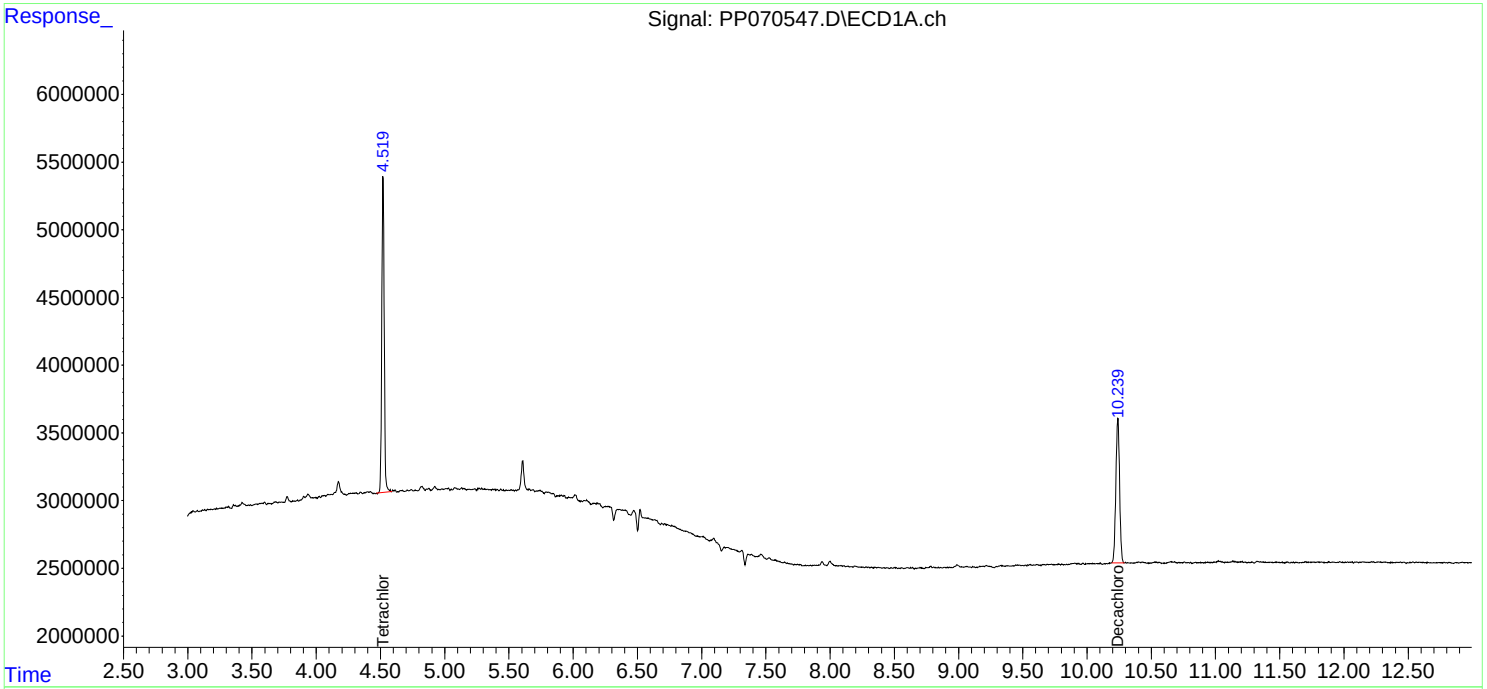
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

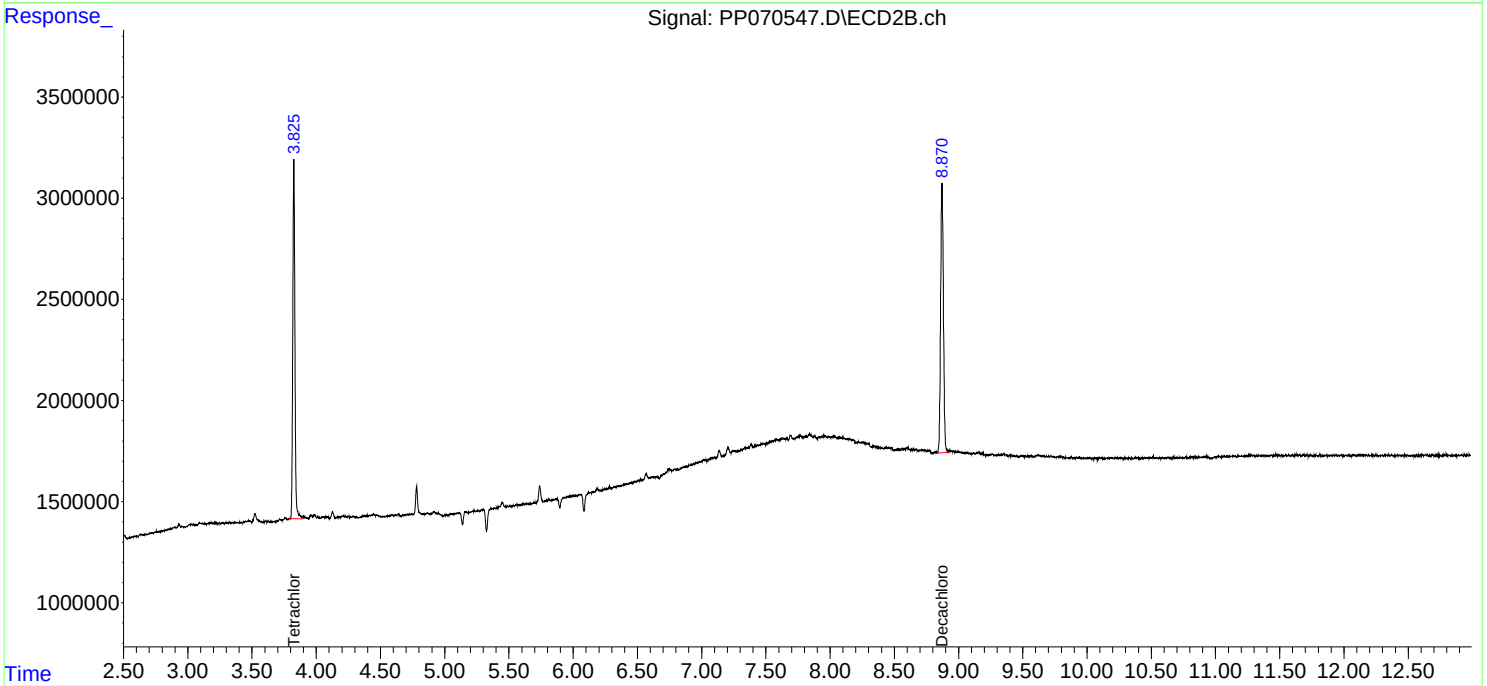
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:20
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

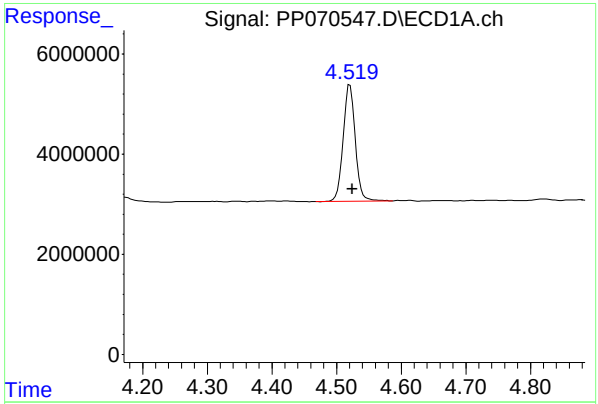
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 23:48:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



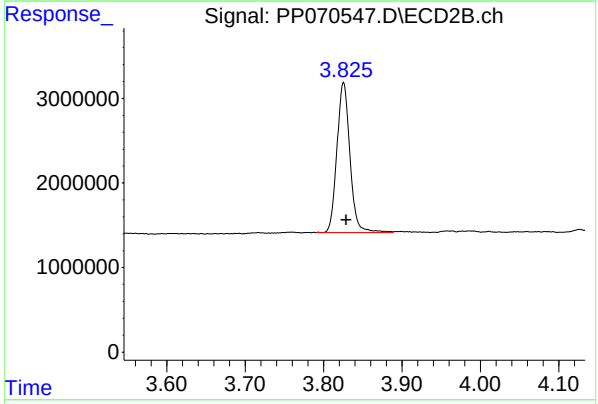




#1 Tetrachloro-m-xylene

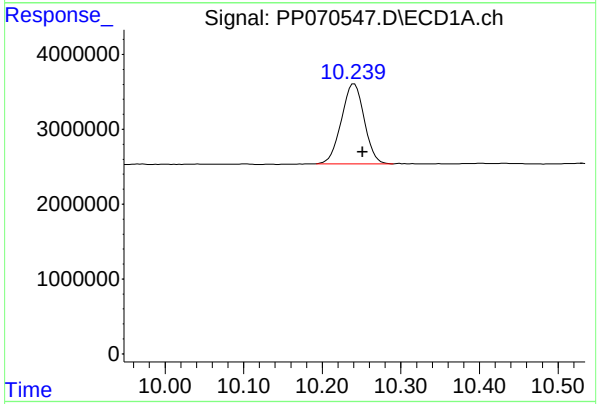
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30287647
Conc: 19.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



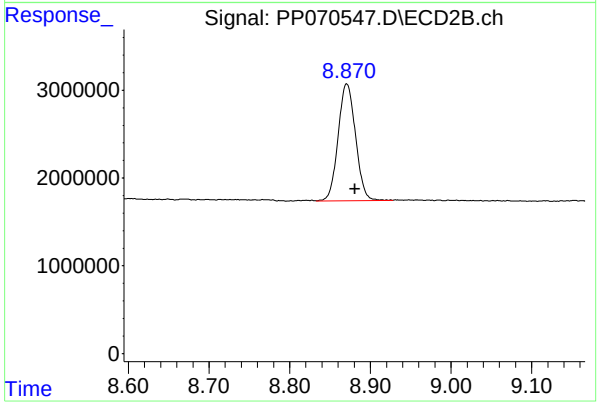
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 20508990
Conc: 20.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 21532021
Conc: 20.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 19995397
Conc: 20.44 ng/ml

Raw Data: **PP070562.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/15/25
Project:	R36884 - PCB	Date Received:	03/15/25
Client Sample ID:	PIBLK-PP070562.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070562.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070562.D	1		03/15/25	pp031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 02:56
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 03:17:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.825	31206170	21223856	20.063	21.176
2)	SA Decachlor...	10.242	8.871	22186192	19770553	20.884	20.208
	Target Compounds						

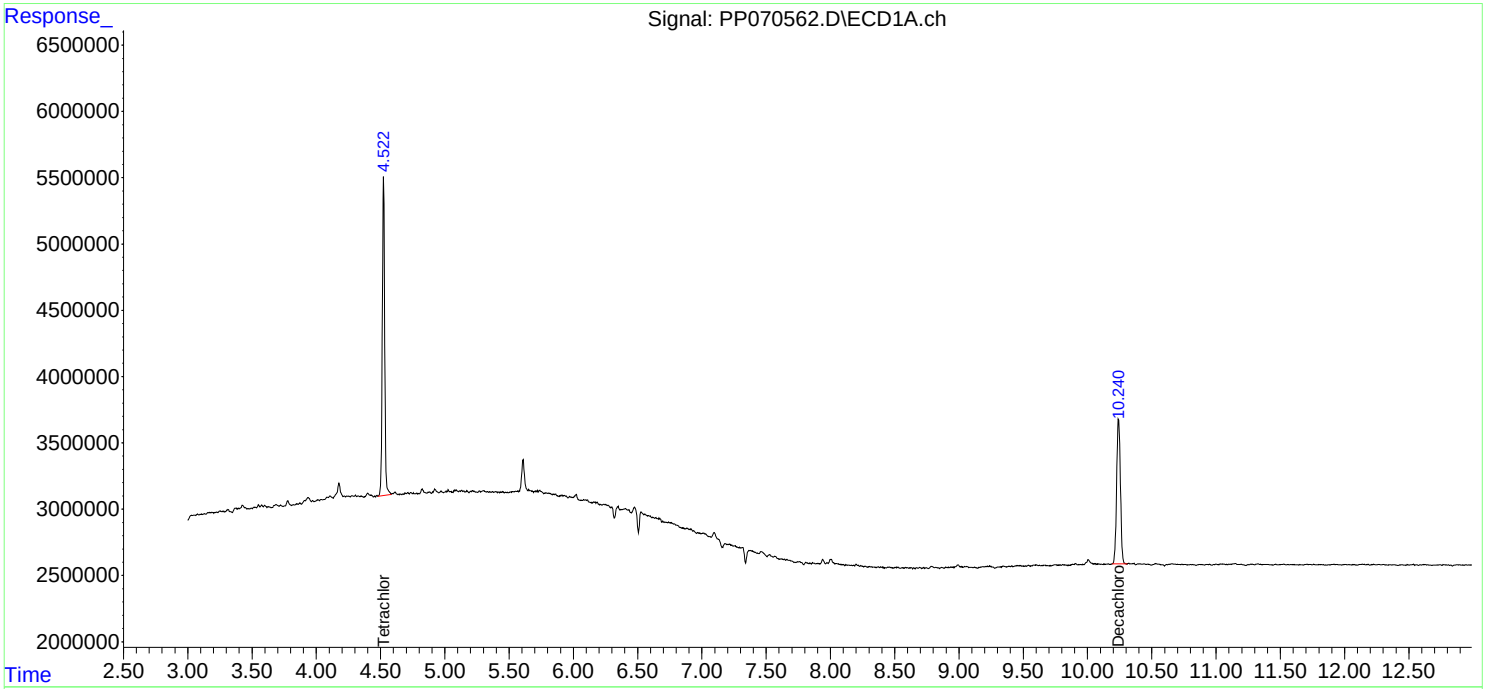
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

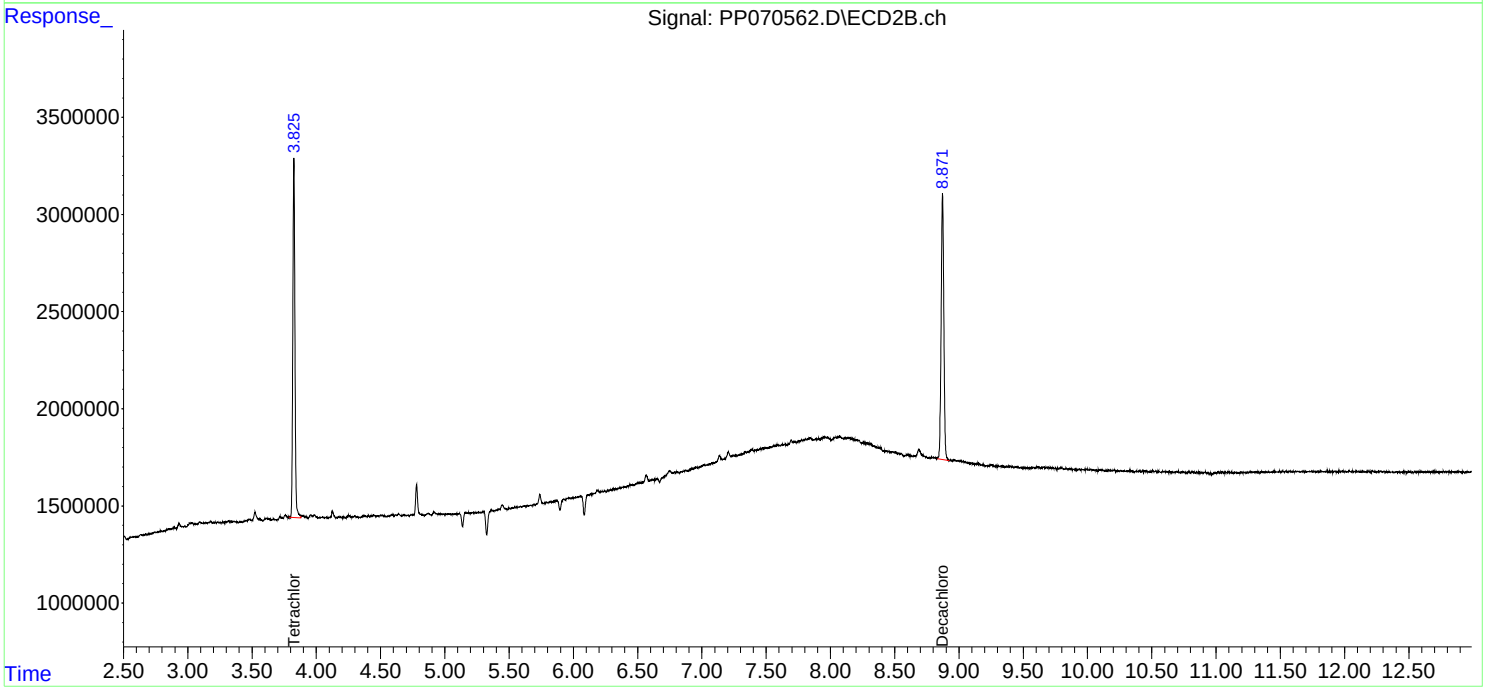
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 02:56
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

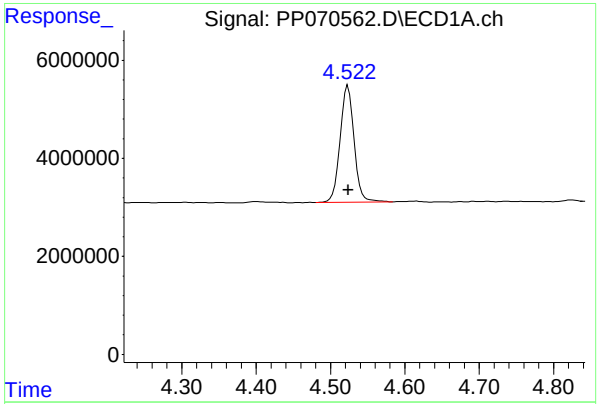
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 03:17:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



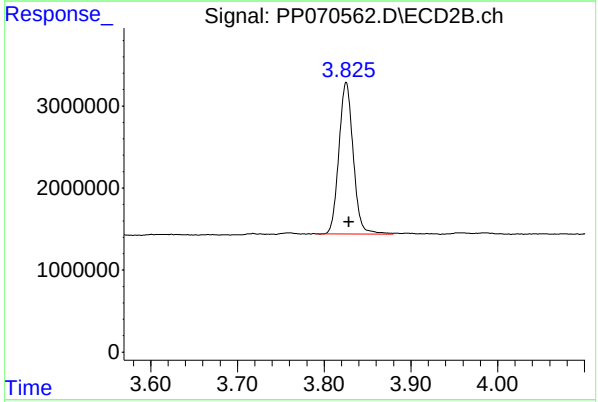




#1 Tetrachloro-m-xylene

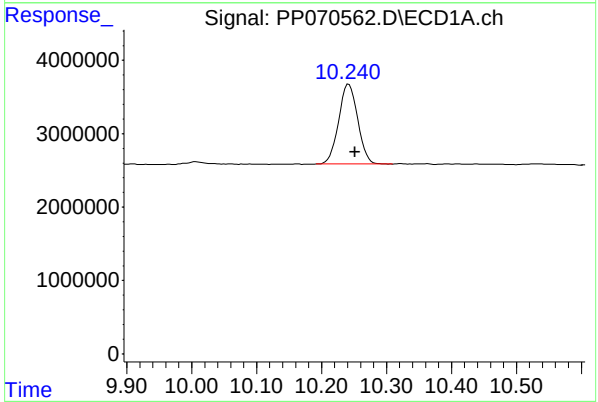
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 31206170
Conc: 20.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



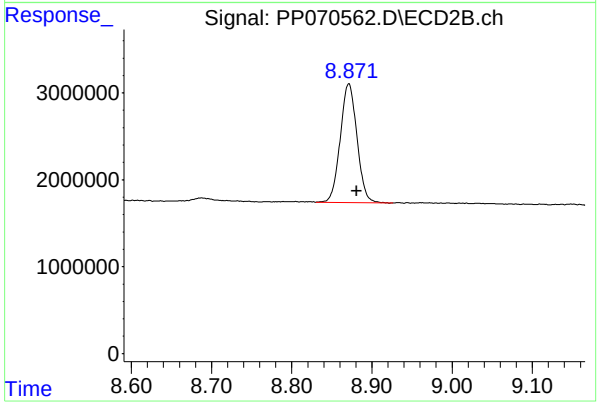
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 21223856
Conc: 21.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 22186192
Conc: 20.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 19770553
Conc: 20.21 ng/ml

Raw Data: **PP070572.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/15/25
Project:	R36884 - PCB	Date Received:	03/15/25
Client Sample ID:	PIBLK-PP070572.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070572.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070572.D	1		03/15/25	pp031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		60 - 140	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		60 - 140	102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070572.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 06:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 07:22:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	31459905	21126630	20.226	21.079
2)	SA Decachlor...	10.243	8.871	22297781	20019177	20.989	20.462
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

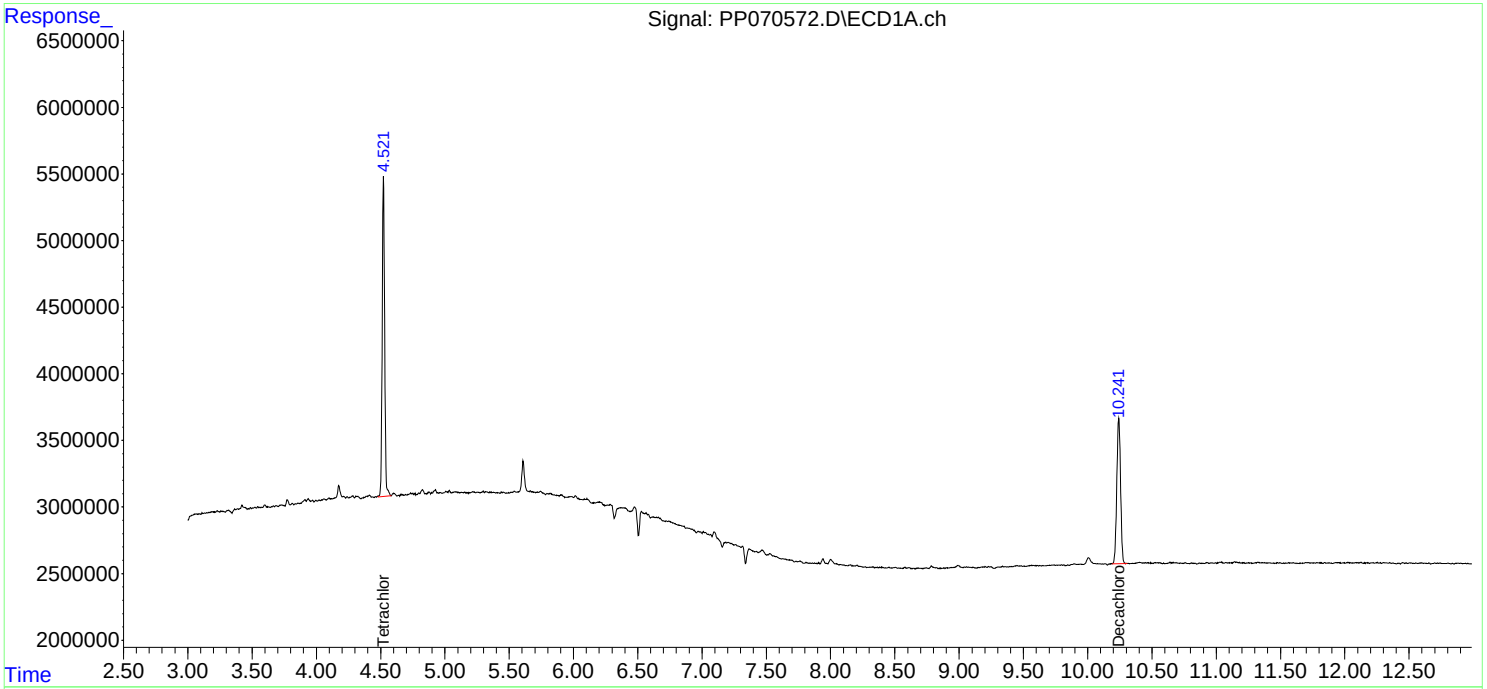
Sample Results: **PP070572.D**

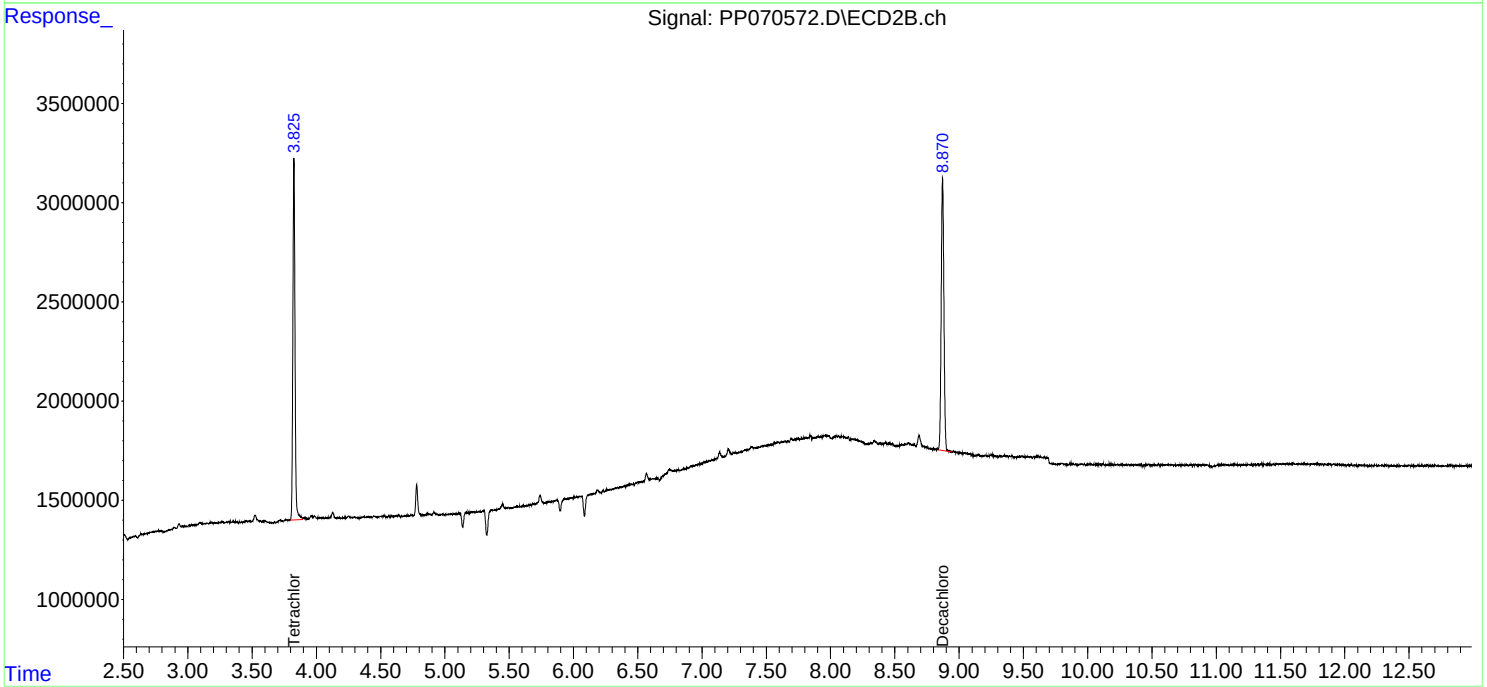
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 06:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

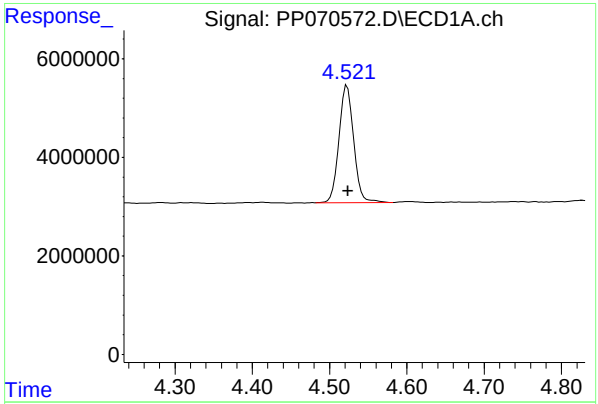
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 07:22:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



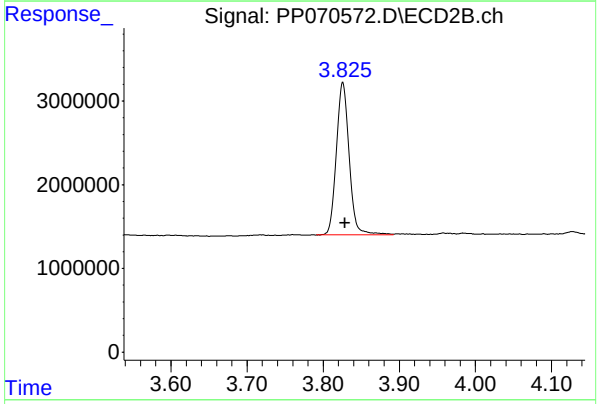




#1 Tetrachloro-m-xylene

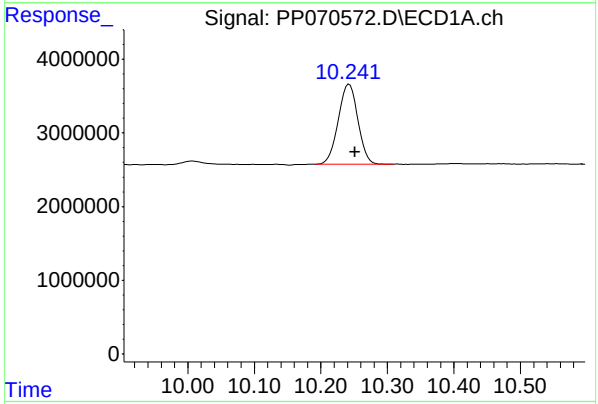
R.T.: 4.523 min
Delta R.T.: -0.001 min
Response: 31459905
Conc: 20.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



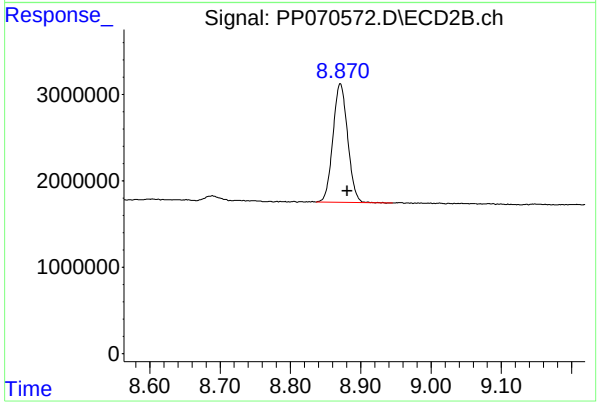
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 21126630
Conc: 21.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 22297781
Conc: 20.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 20019177
Conc: 20.46 ng/ml

Raw Data: **PP070578.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PP070578.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070578.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070578.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140	102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070578.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:33:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.827	30363592	21610312	19.522	21.561
2)	SA Decachlor...	10.245	8.875	22594118	19986391	21.268	20.428
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

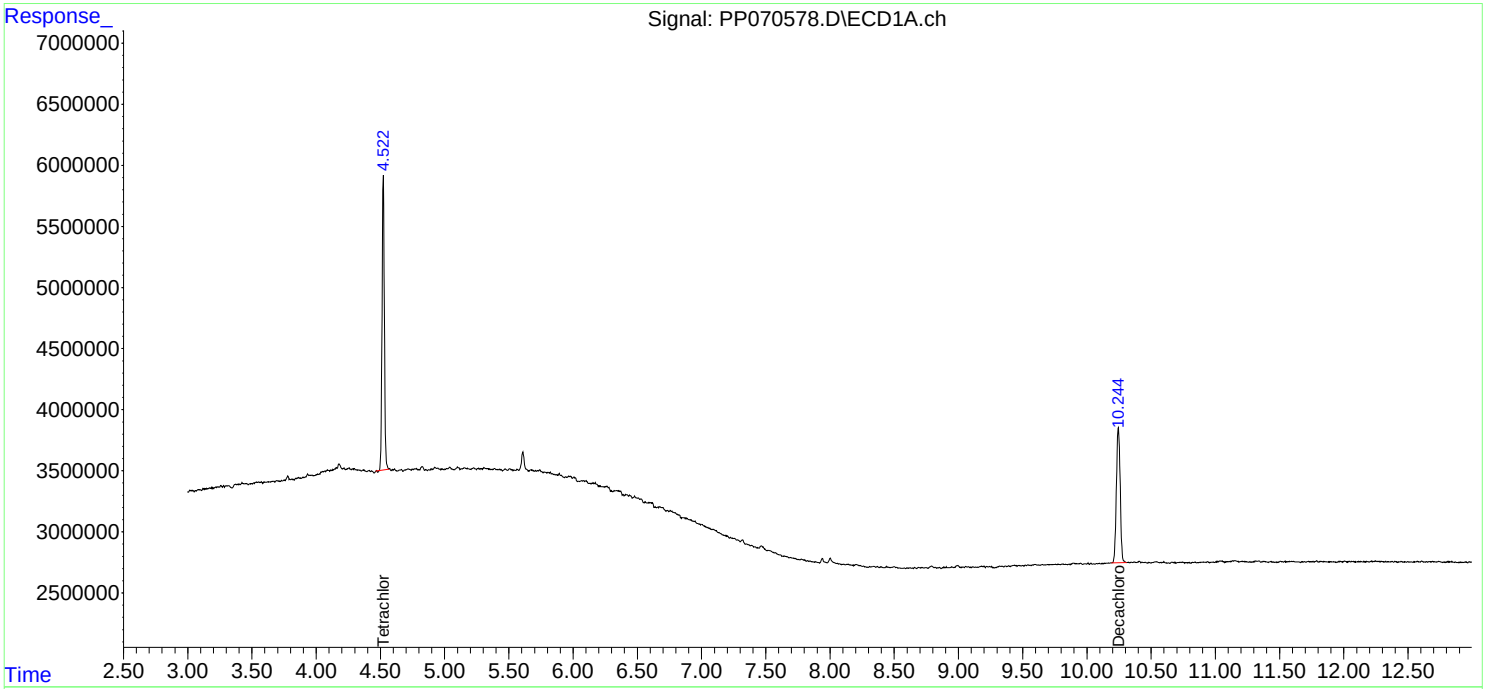
Sample Results: **PP070578.D**

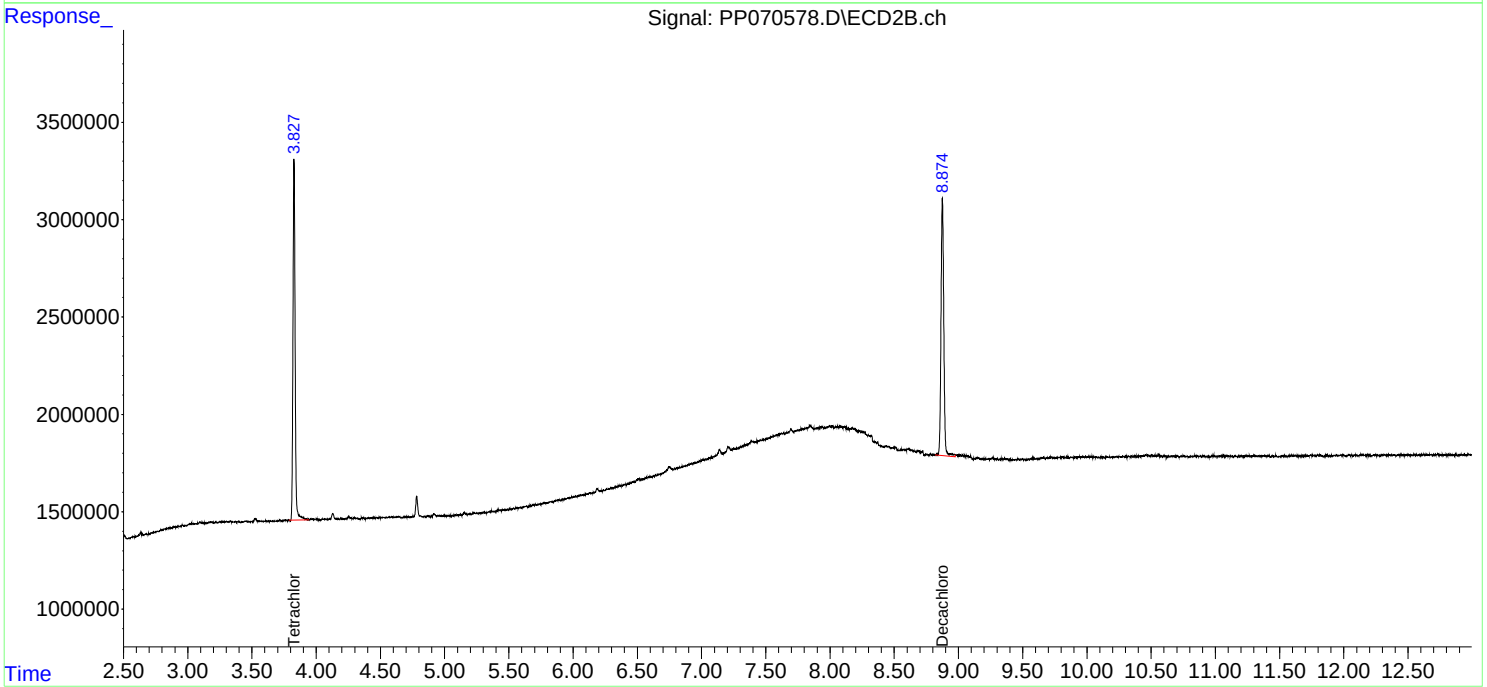
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 10:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

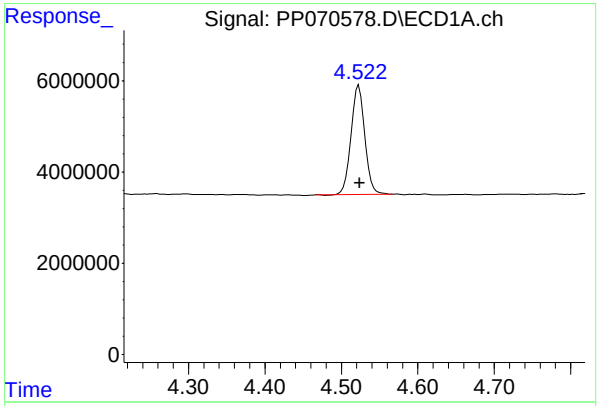
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:33:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



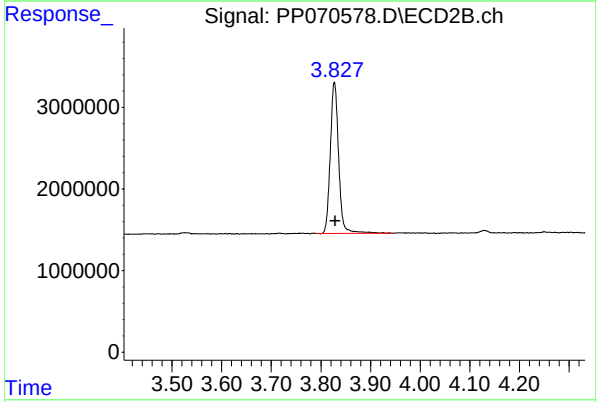




#1 Tetrachloro-m-xylene

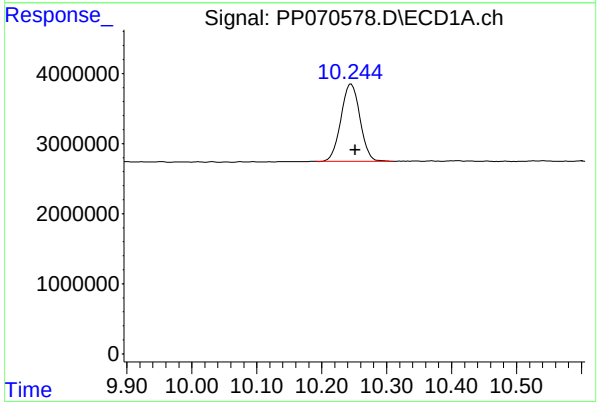
R.T.: 4.523 min
Delta R.T.: -0.001 min
Response: 30363592
Conc: 19.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



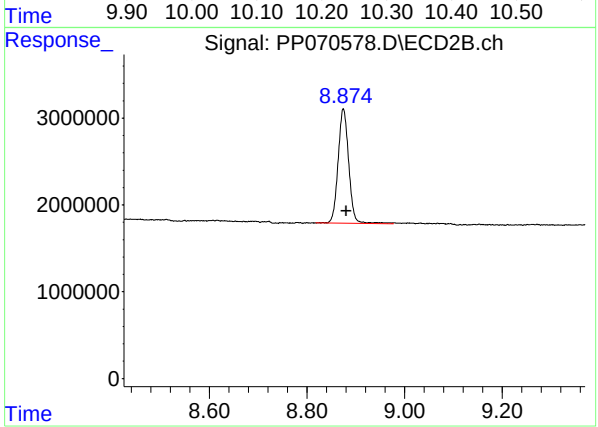
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.001 min
Response: 21610312
Conc: 21.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.006 min
Response: 22594118
Conc: 21.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.875 min
Delta R.T.: -0.007 min
Response: 19986391
Conc: 20.43 ng/ml

Raw Data: **PP070593.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PP070593.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070593.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070593.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 140	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070593.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.827	30401287	21450306	19.546	21.401
2)	SA Decachlor...	10.242	8.874	22426495	19395663	21.110	19.825
	Target Compounds						

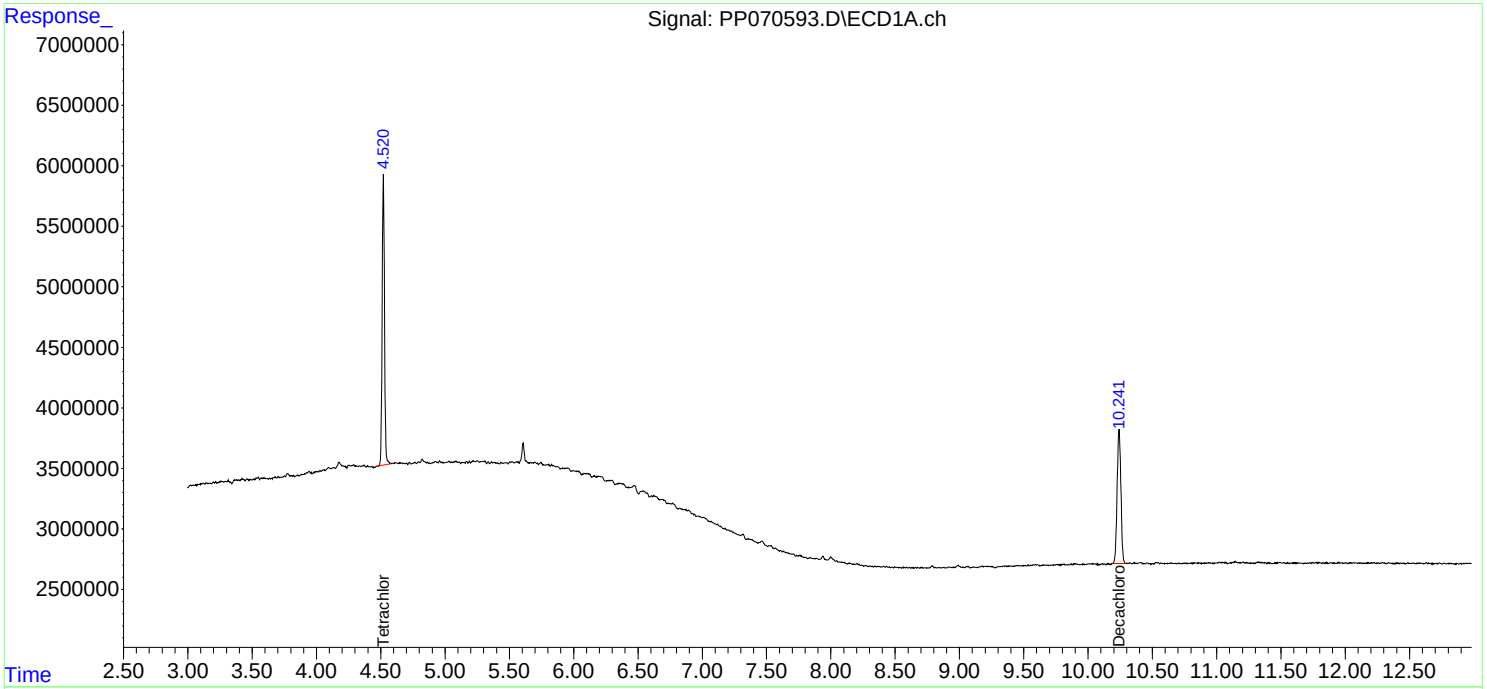
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

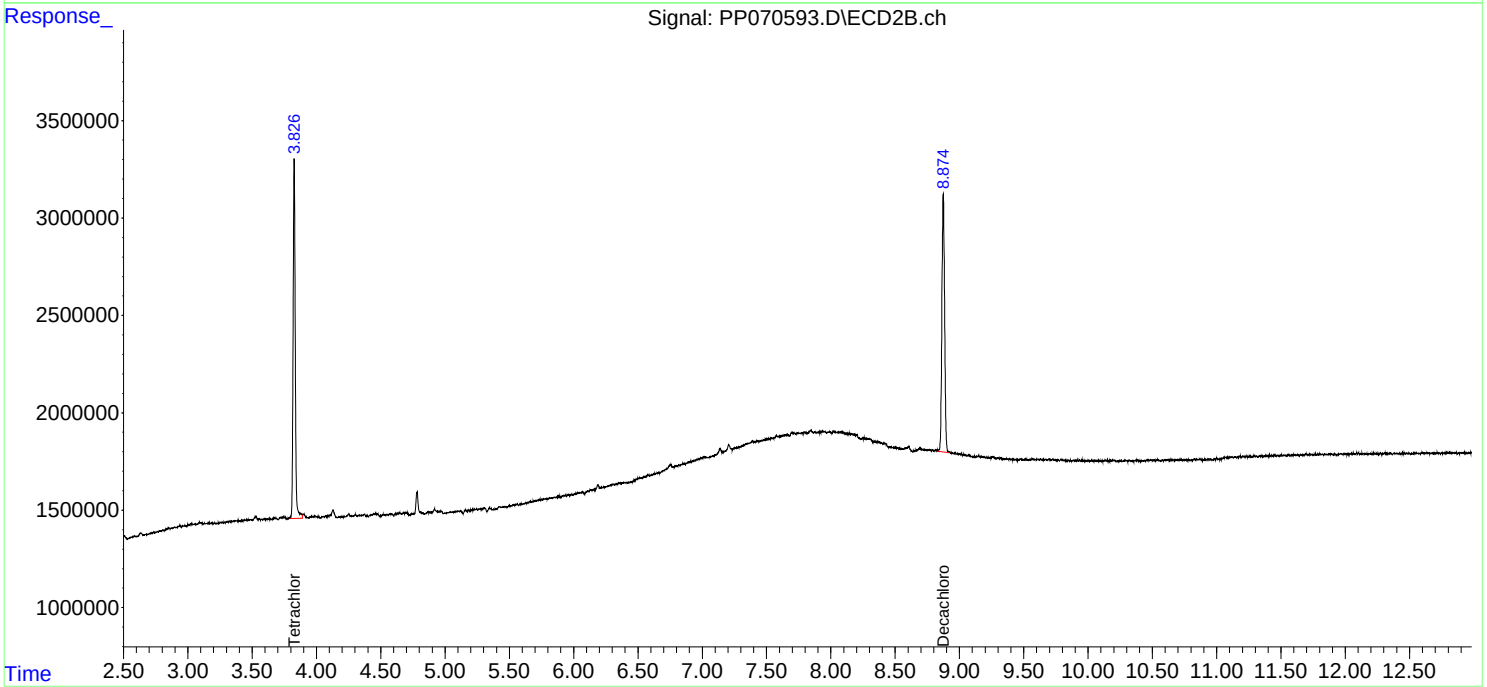
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

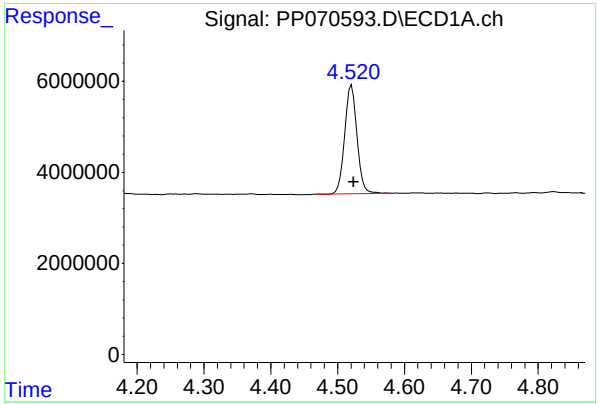
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



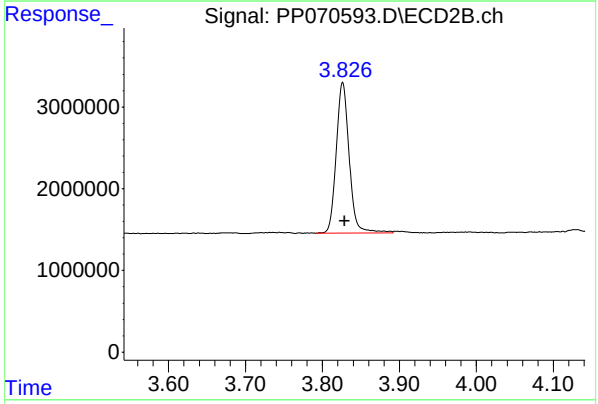




#1 Tetrachloro-m-xylene

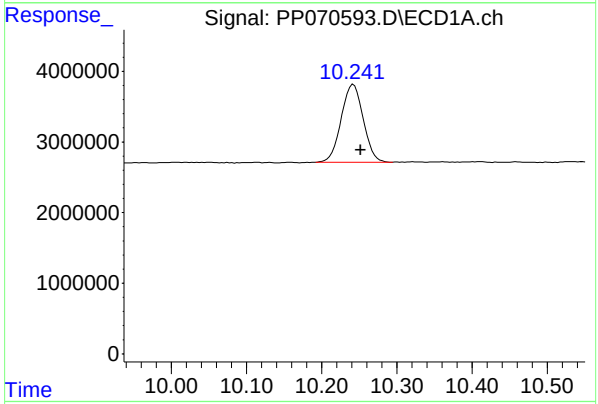
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30401287
Conc: 19.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



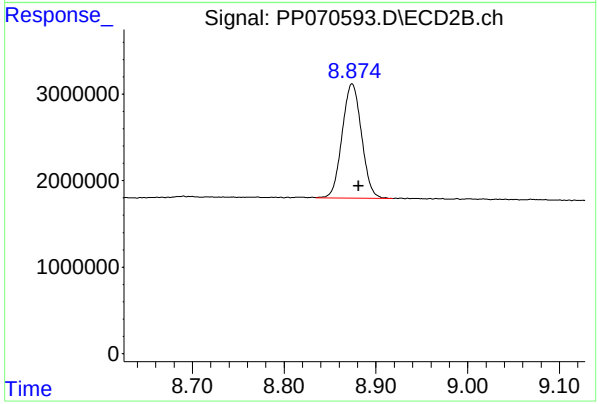
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 21450306
Conc: 21.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 22426495
Conc: 21.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.874 min
Delta R.T.: -0.007 min
Response: 19395663
Conc: 19.82 ng/ml

Raw Data: **PP070608.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/17/25
Project:	R36884 - PCB	Date Received:	03/17/25
Client Sample ID:	PIBLK-PP070608.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070608.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070608.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070608.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.824	30695572	20875116	19.735	20.828
2)	SA Decachlor...	10.243	8.872	22485155	19853212	21.166	20.292
	Target Compounds						

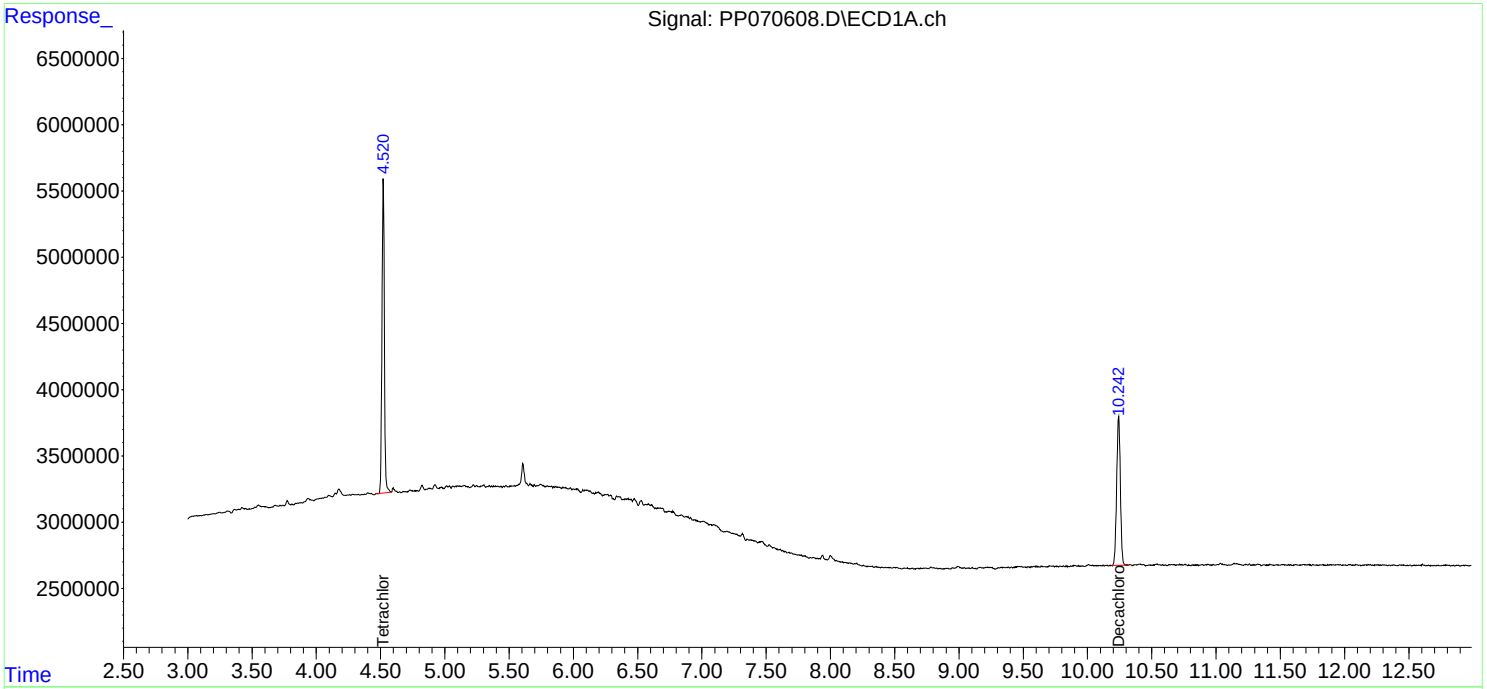
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

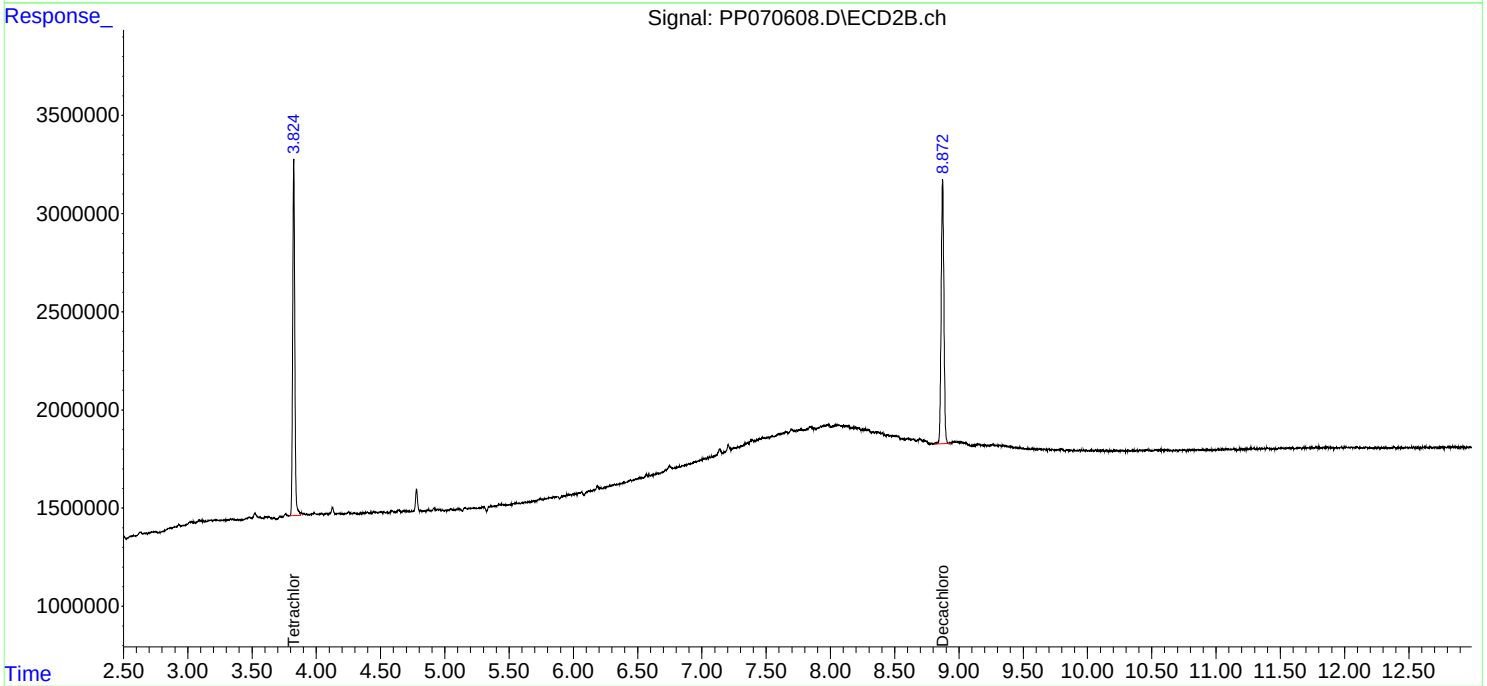
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

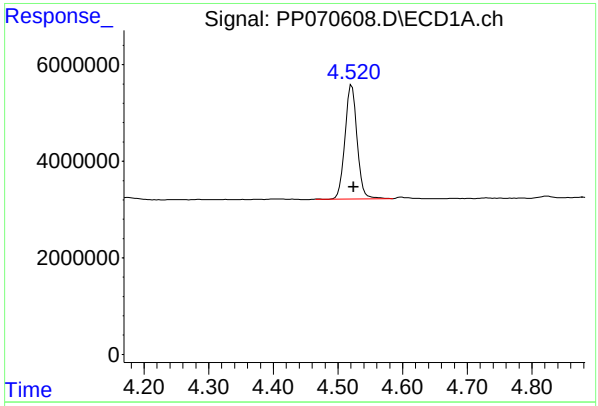
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



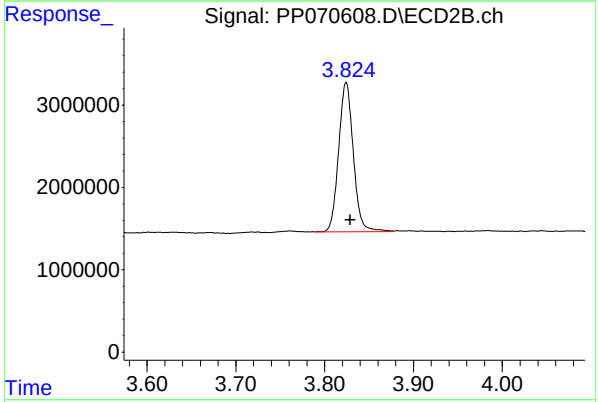




#1 Tetrachloro-m-xylene

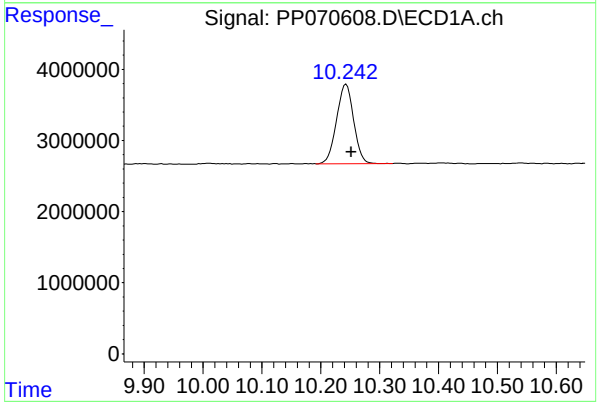
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30695572
Conc: 19.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



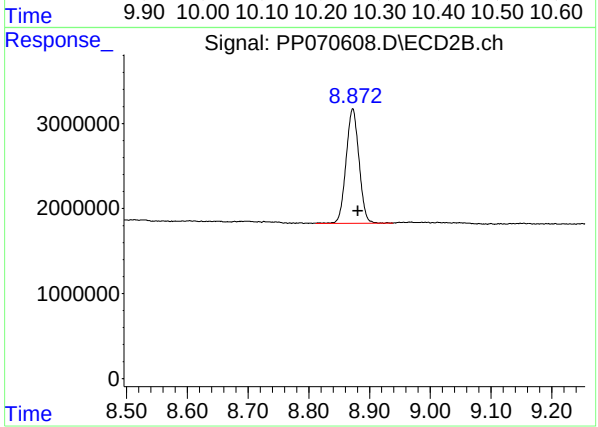
#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 20875116
Conc: 20.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 22485155
Conc: 21.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 19853212
Conc: 20.29 ng/ml

Raw Data: **PP070642.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PP070642.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070642.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070642.D	1		03/18/25	PP031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PP070642.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:16:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.518	3.822	30694100	20862902	19.734	20.815
2)	SA Decachlor...	10.237	8.866	22416005	19795482	21.101	20.233m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PP070642.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

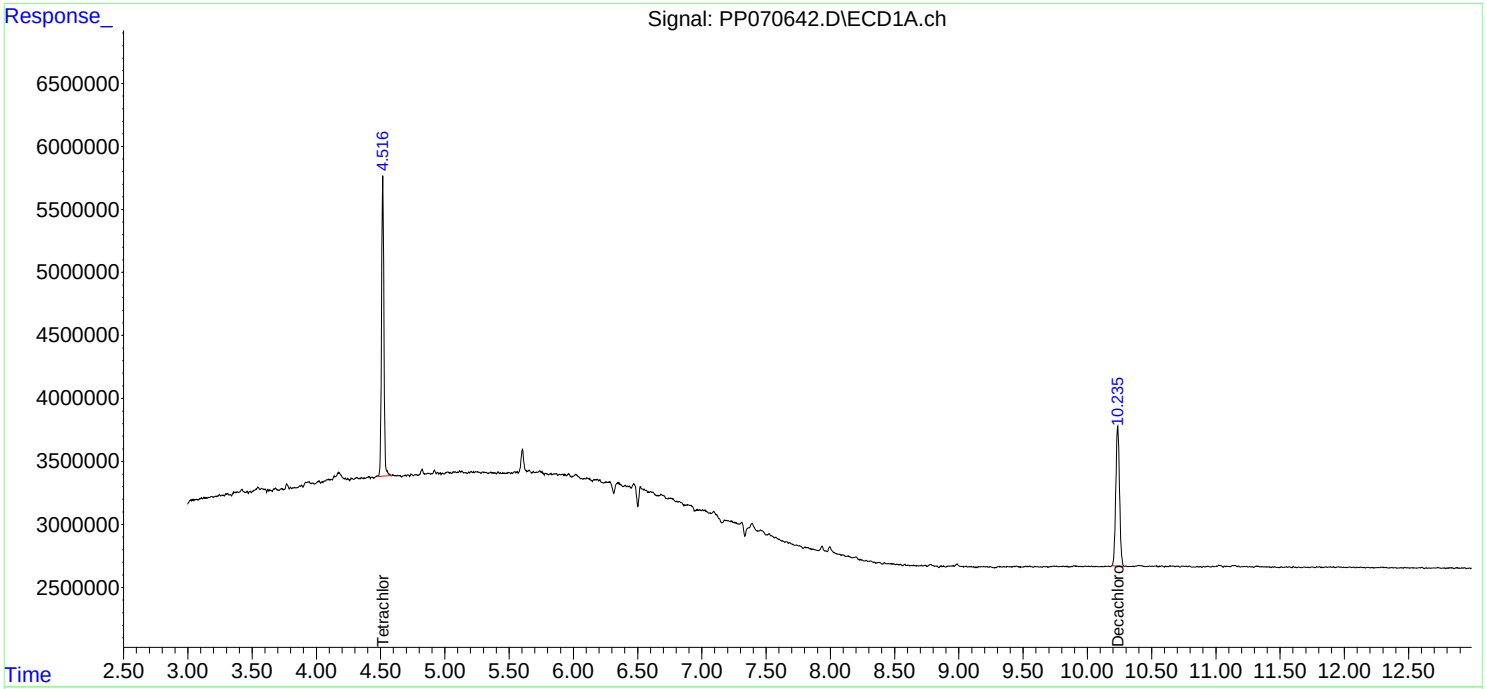
Instrument :
ECD_P
ClientSampleId :
I.BLK

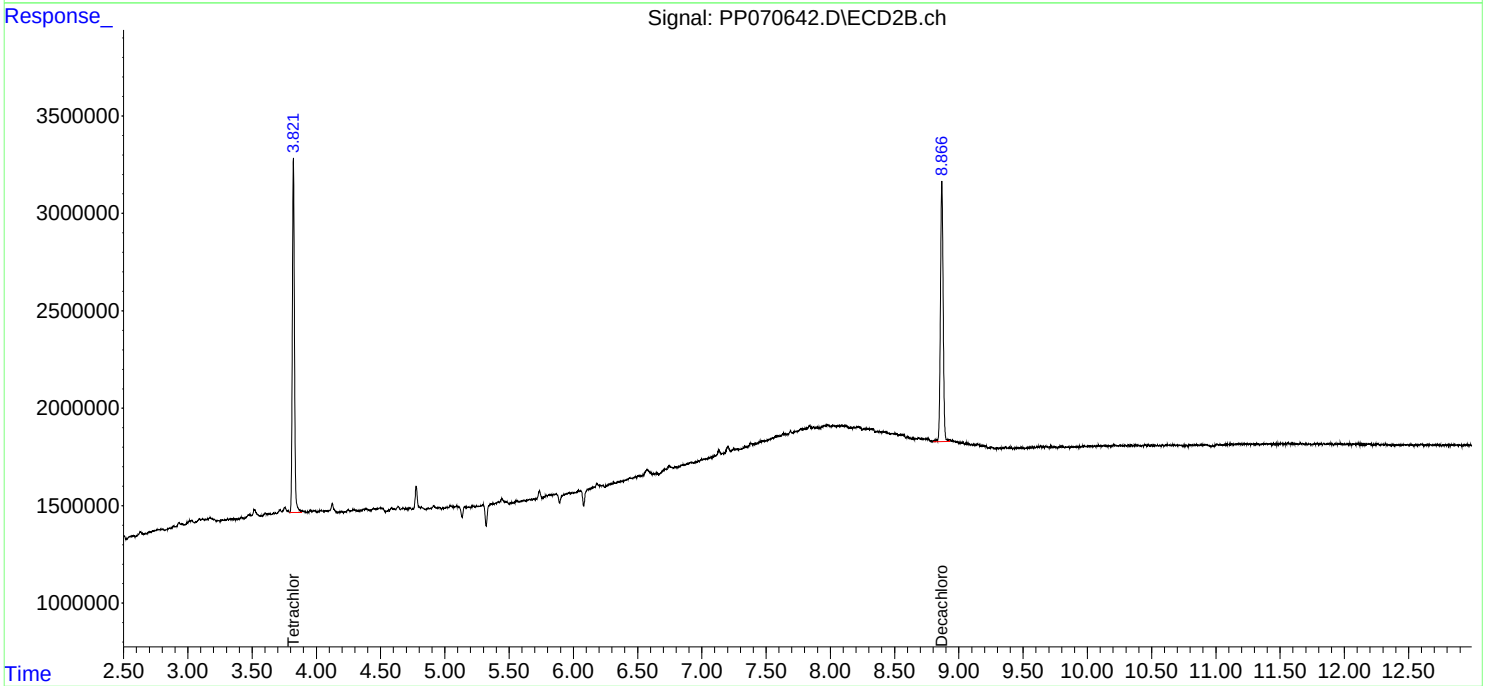
Manual Integrations APPROVED

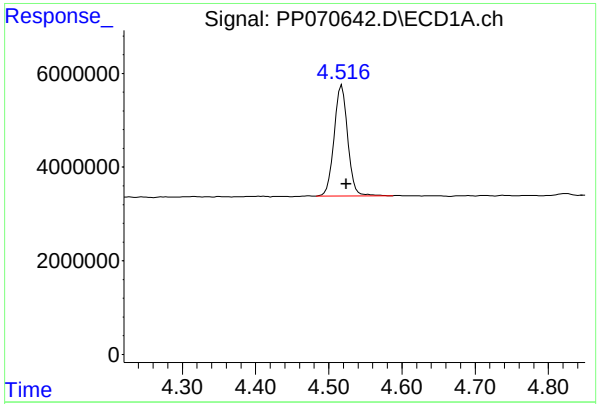
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:16:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







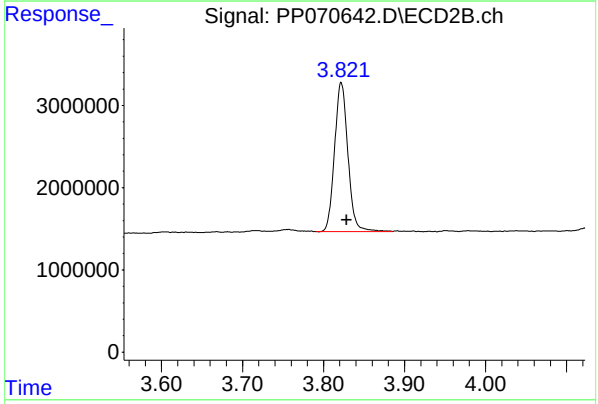
#1 Tetrachloro-m-xylene

R.T.: 4.518 min
Delta R.T.: -0.006 mi
Response: 30694100
Conc: 19.73 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

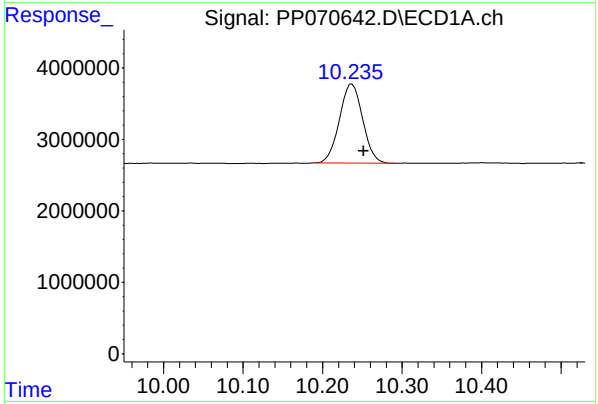
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



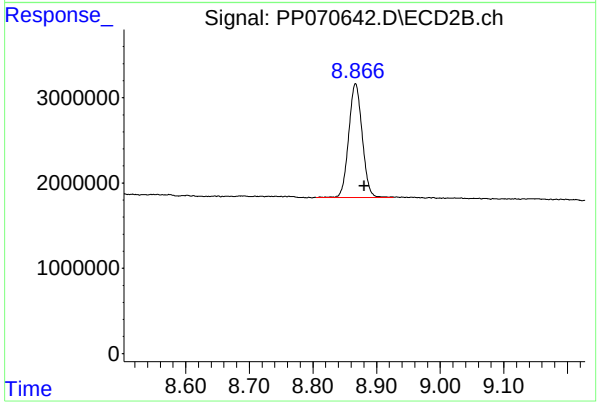
#1 Tetrachloro-m-xylene

R.T.: 3.822 min
Delta R.T.: -0.007 min
Response: 20862902
Conc: 20.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: -0.015 min
Response: 22416005
Conc: 21.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.866 min
Delta R.T.: -0.015 min
Response: 19795482
Conc: 20.23 ng/ml m

Raw Data: **PP070651.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/18/25
Project:	R36884 - PCB	Date Received:	03/18/25
Client Sample ID:	PIBLK-PP070651.D	SDG No.:	Q1572
Lab Sample ID:	I.BLK-PP070651.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070651.D	1		03/18/25	PP031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		60 - 140	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070651.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 12:24
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.823	30517654	20605738	19.621	20.559
2)	SA Decachlor...	10.239	8.868	22711828	20116072	21.379	20.561
	Target Compounds						

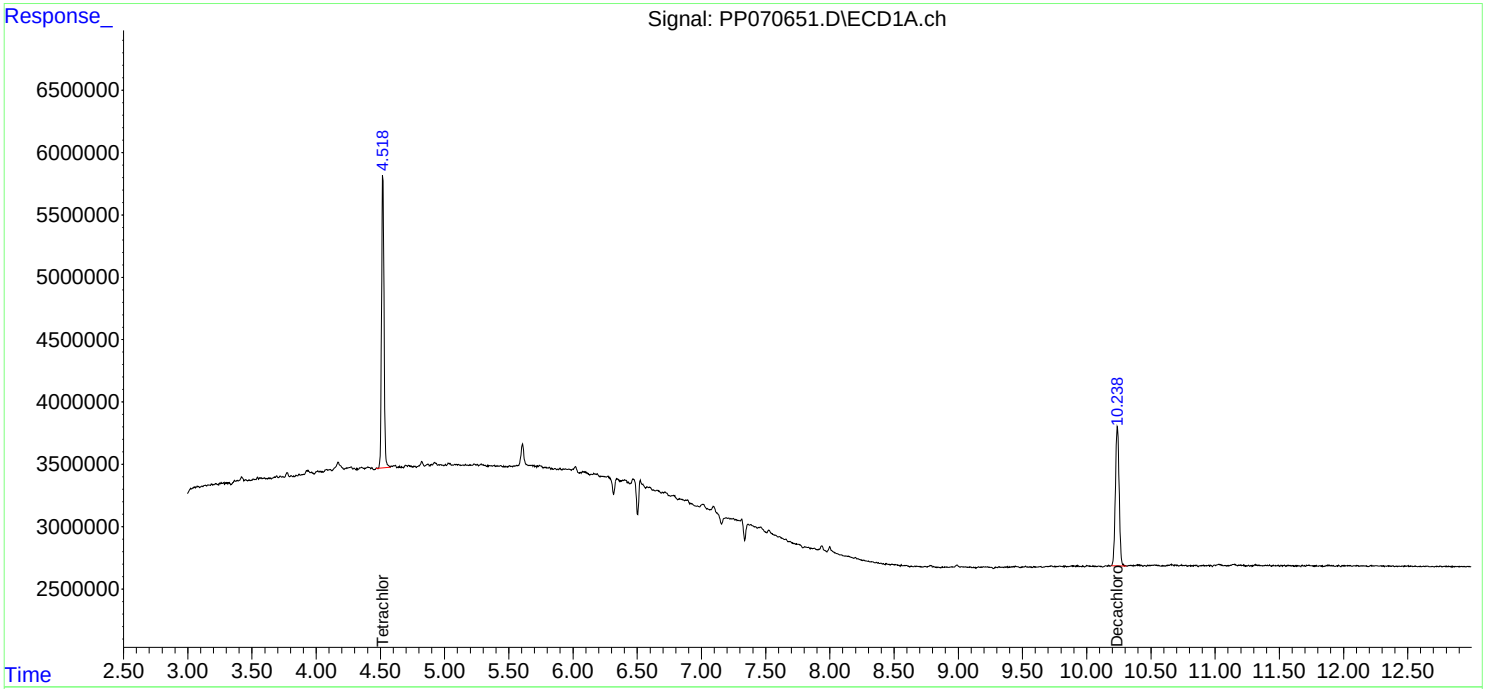
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

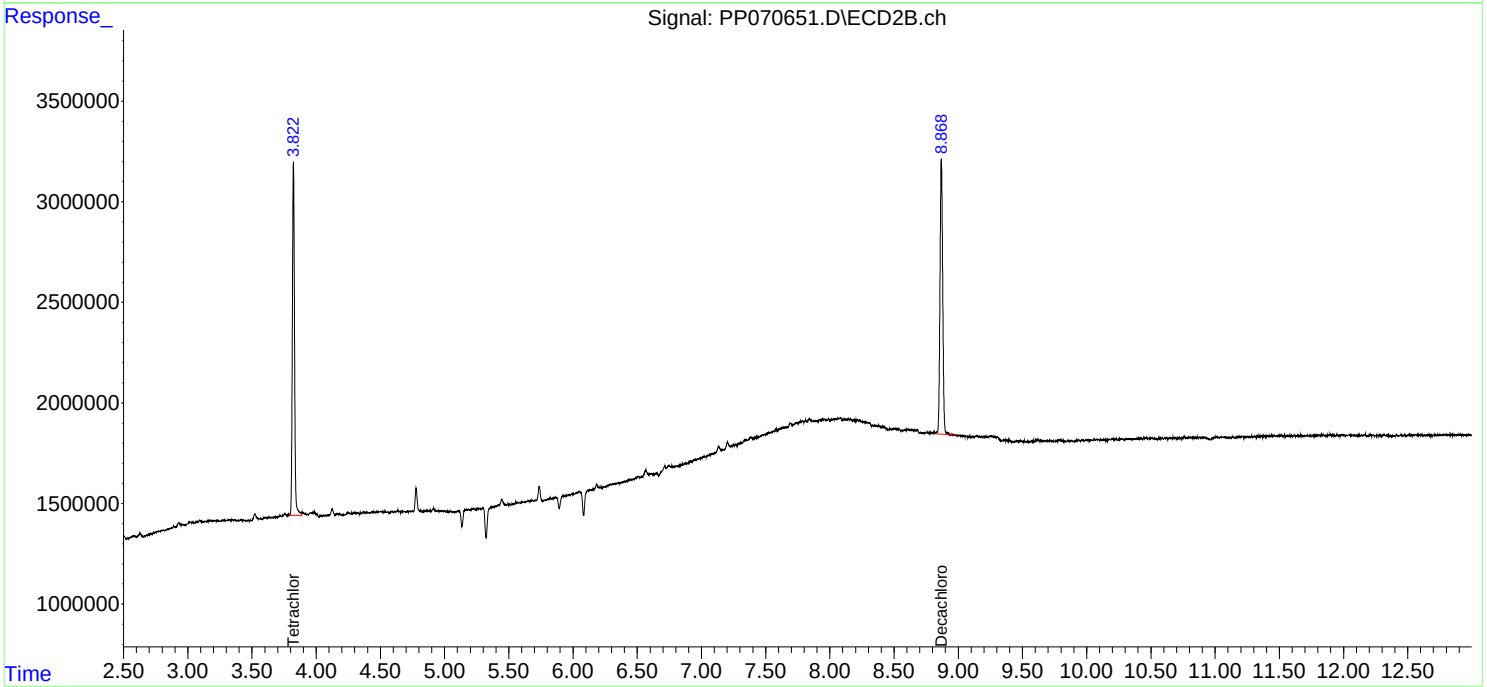
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 12:24
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

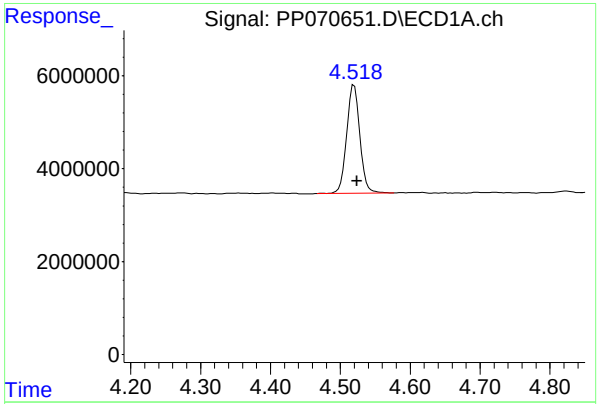
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



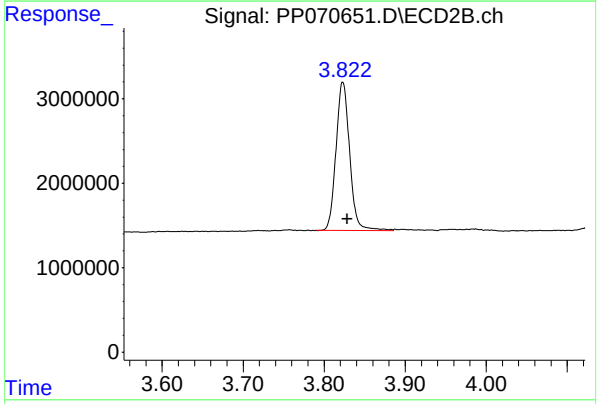




#1 Tetrachloro-m-xylene

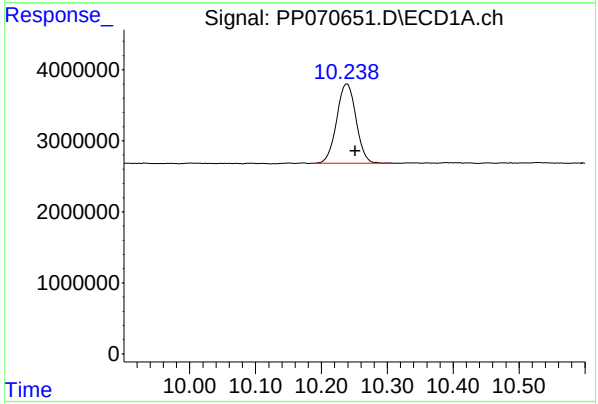
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 30517654
Conc: 19.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



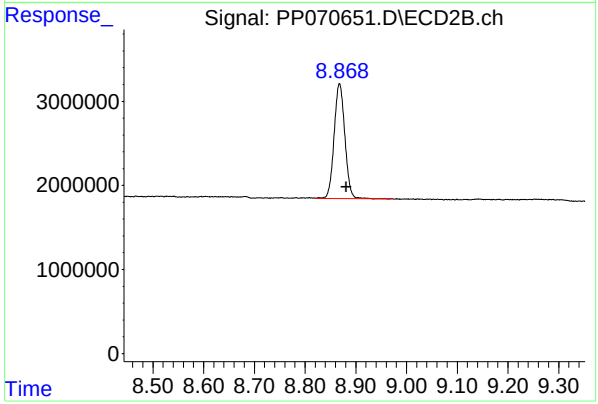
#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 20605738
Conc: 20.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.012 min
Response: 22711828
Conc: 21.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 20116072
Conc: 20.56 ng/ml

Raw Data: **PP070549.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36884 - PCB	Date Received:	
Client Sample ID:	PB167143BS	SDG No.:	Q1572
Lab Sample ID:	PB167143BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070549.D	1	03/14/25 12:25	03/14/25 22:52	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	152		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	145		3.20	17.0	ug/kg
Total PCBs	Total PCBs	297		7.10	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		32 - 175	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP070549.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:52
Operator : YP\AJ
Sample : PB167143BS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167143BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.827	33205418	21721756	21.349	21.672
2)	SA Decachlor...	10.242	8.872	23113123	19533518	21.757	19.966
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.913	22655811	16838908	436.939	468.365
4)	L1 AR-1016-2	5.697	4.932	33659019	23292035	470.461	448.211
5)	L1 AR-1016-3	5.759	5.109	20019488	13110139	439.622	460.758
6)	L1 AR-1016-4	5.856	5.150	16488008	10187202	422.360	454.991
7)	L1 AR-1016-5	6.149	5.366	14814899	13366592	427.904	449.768
31)	L7 AR-1260-1	7.268	6.402	28474787	23132691	484.775	464.658
32)	L7 AR-1260-2	7.522	6.590	38514455	30113094	469.442	455.655
33)	L7 AR-1260-3	7.880	6.743	26305571	26221520	400.038	458.439
34)	L7 AR-1260-4	8.102	7.215	27028438	19782442	413.641m	386.651
35)	L7 AR-1260-5	8.424	7.456	56522478	50192203	413.546	389.736

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:52
Operator : YP\AJ
Sample : PB167143BS
Misc :
ALS Vial : 36 Sample Multiplier: 1

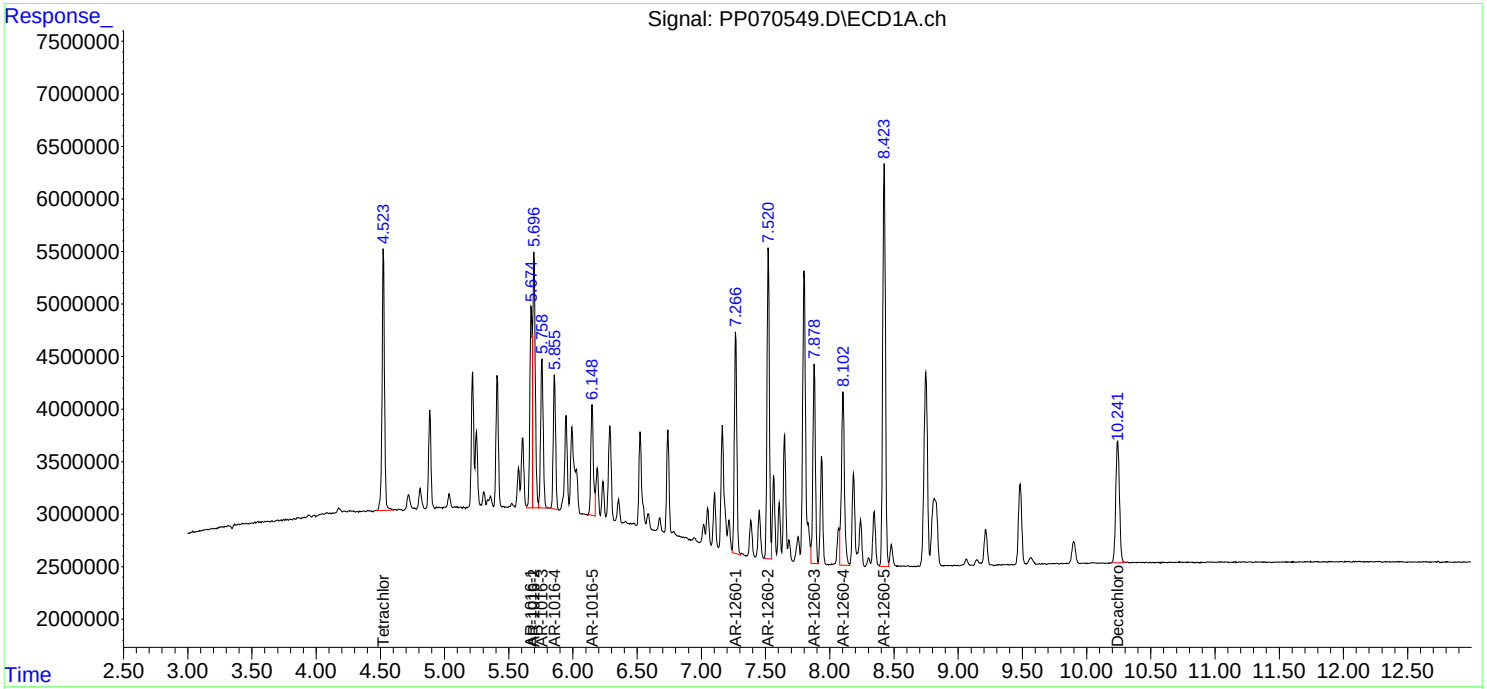
Instrument :
ECD_P
ClientSampleId :
PB167143BS

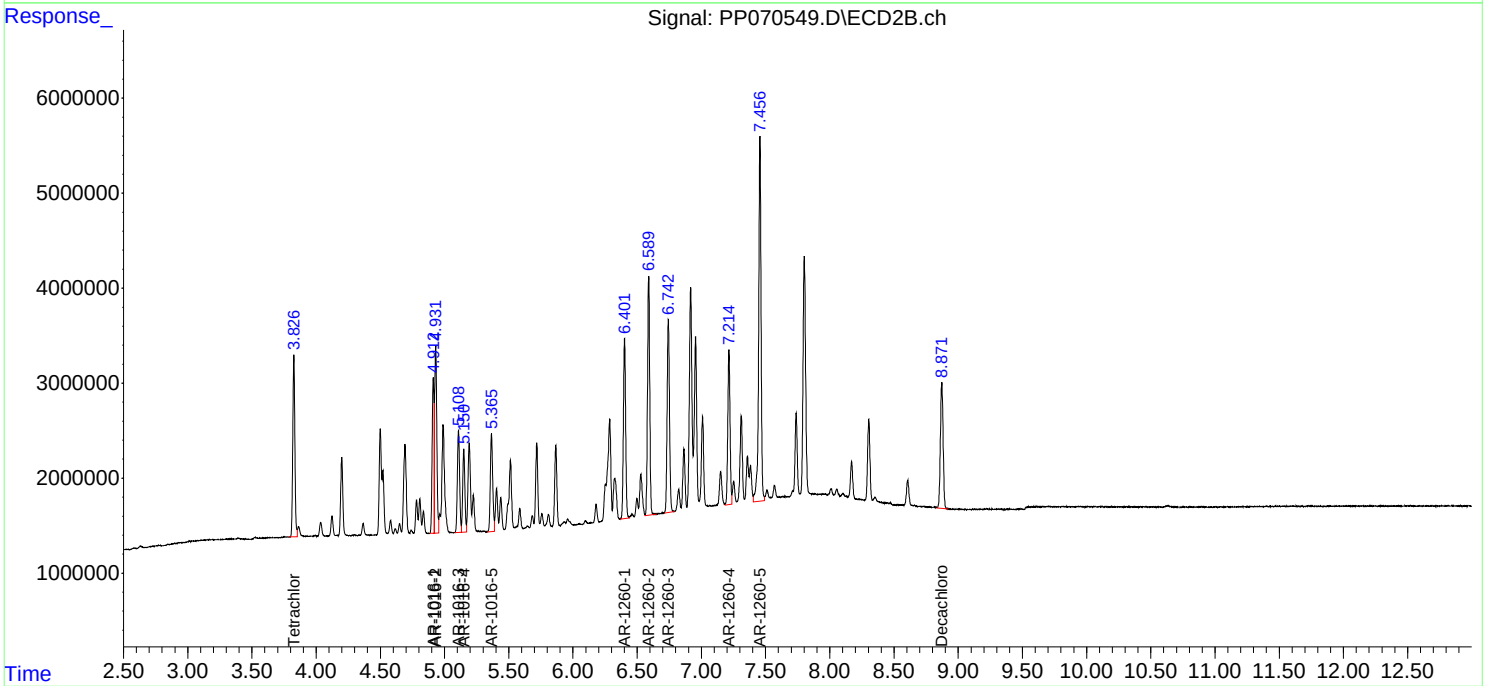
Manual Integrations APPROVED

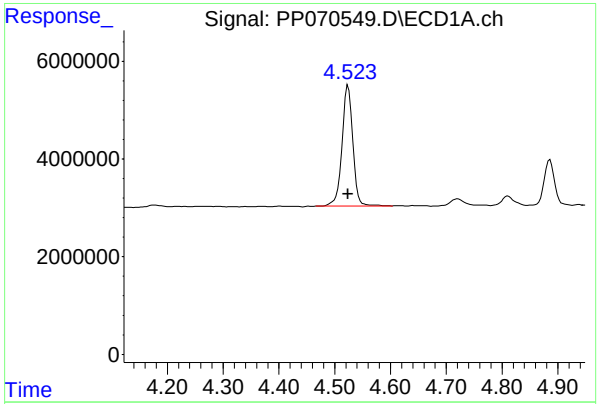
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







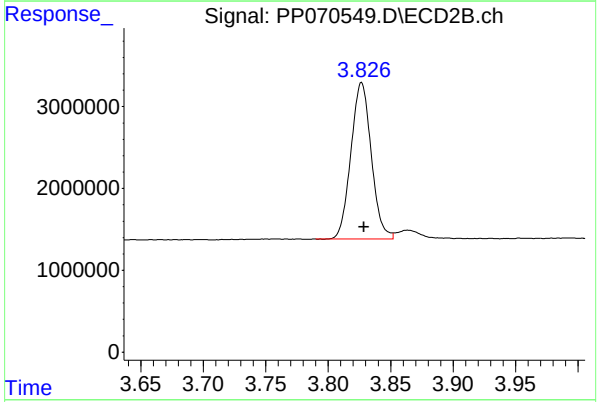
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.000 mi
Response: 33205418
Conc: 21.35 ng/m

Instrument :
ECD_P
ClientSampleId :
PB167143BS

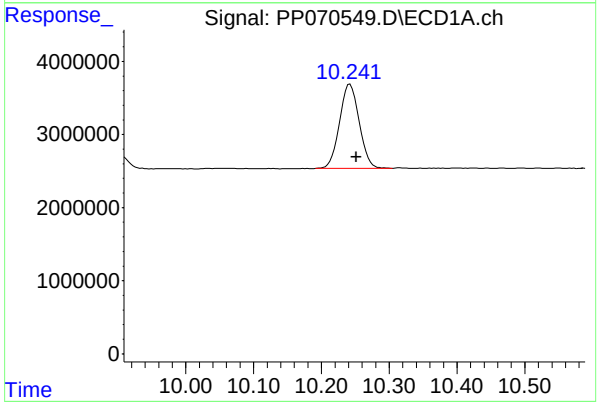
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



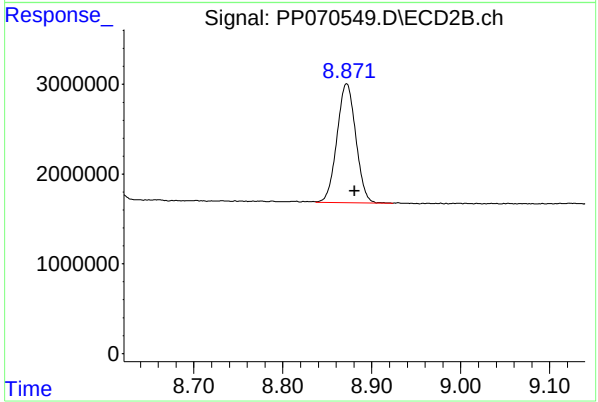
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 21721756
Conc: 21.67 ng/ml



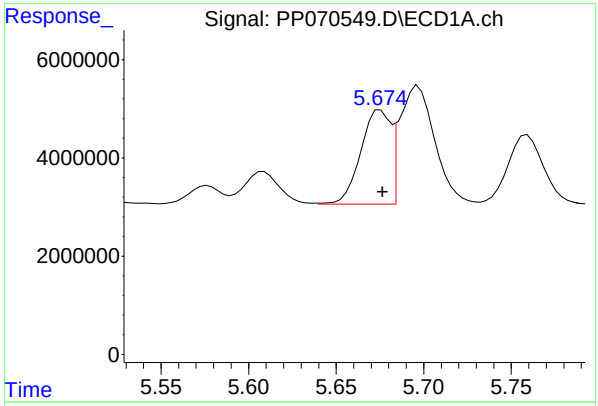
#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.009 min
Response: 23113123
Conc: 21.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 19533518
Conc: 19.97 ng/ml



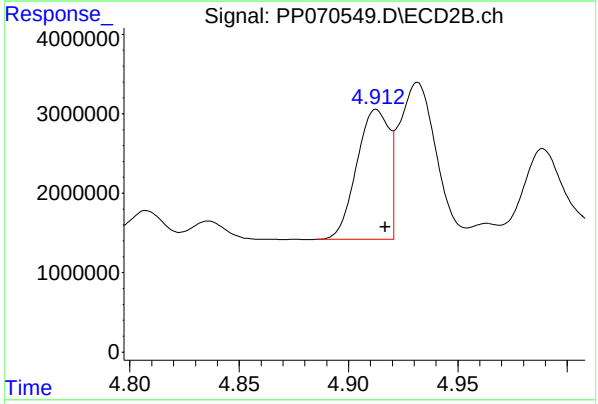
#3 AR-1016-1

R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 22655811
Conc: 436.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167143BS

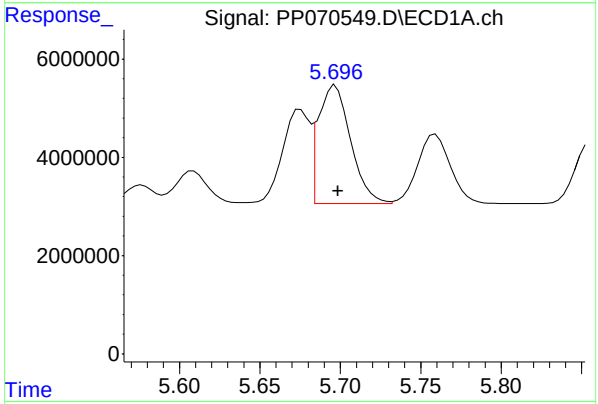
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



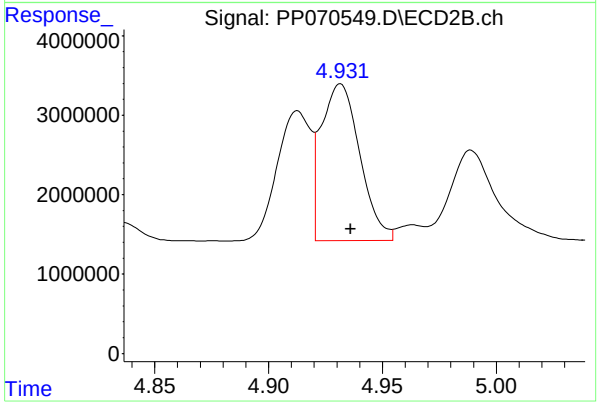
#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 16838908
Conc: 468.36 ng/ml



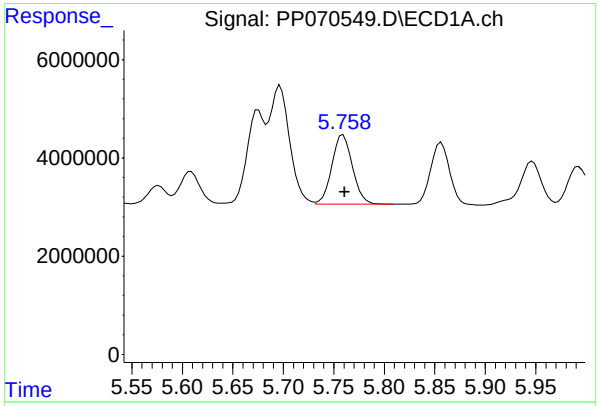
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 33659019
Conc: 470.46 ng/ml



#4 AR-1016-2

R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 23292035
Conc: 448.21 ng/ml



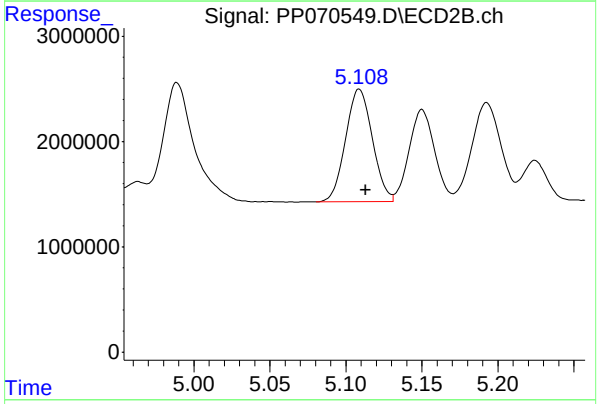
#5 AR-1016-3

R.T.: 5.759 min
Delta R.T.: -0.002 mi
Response: 20019488
Conc: 439.62 ng/m

Instrument :
ECD_P
ClientSampleId :
PB167143BS

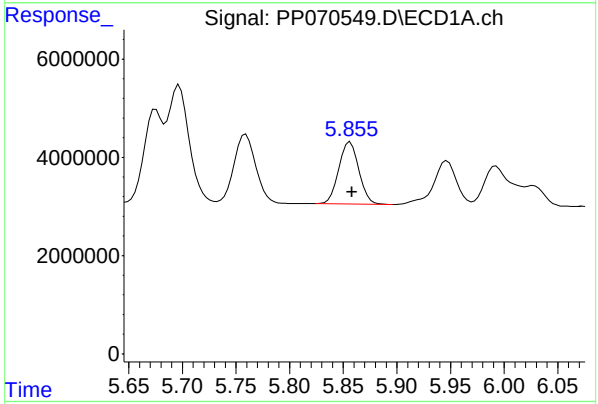
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



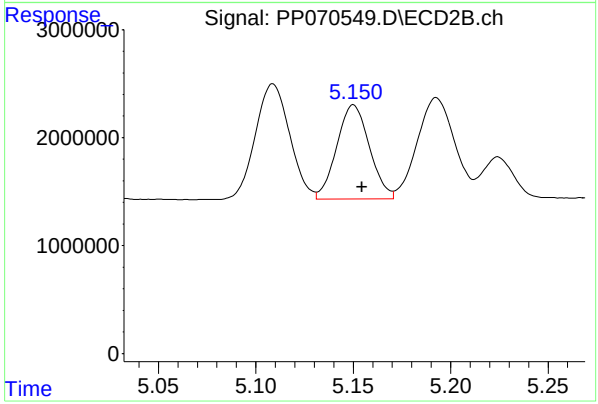
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 13110139
Conc: 460.76 ng/ml



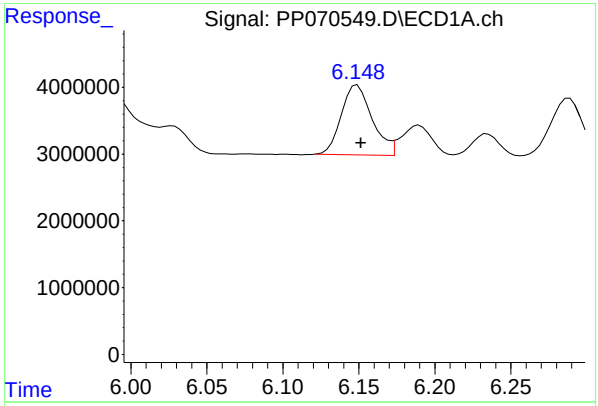
#6 AR-1016-4

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 16488008
Conc: 422.36 ng/ml



#6 AR-1016-4

R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 10187202
Conc: 454.99 ng/ml



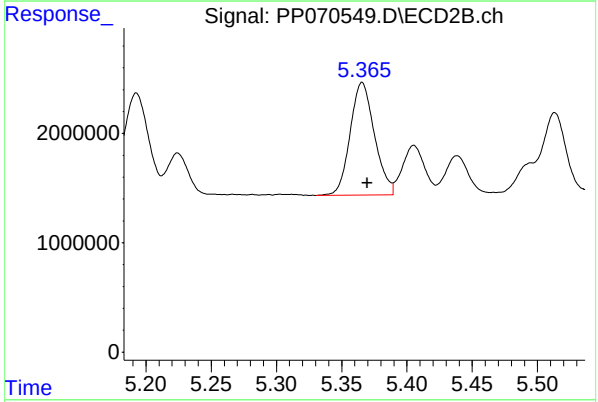
#7 AR-1016-5

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 14814899
Conc: 427.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167143BS

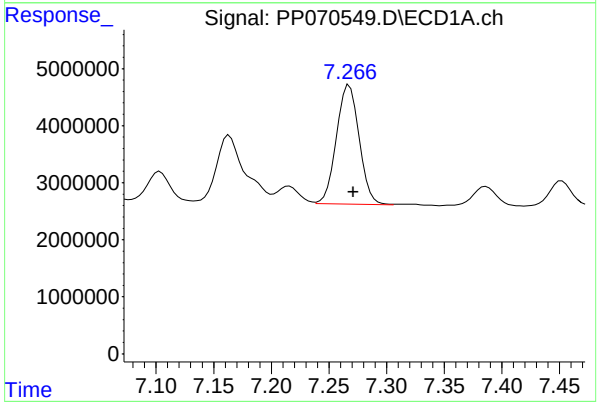
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



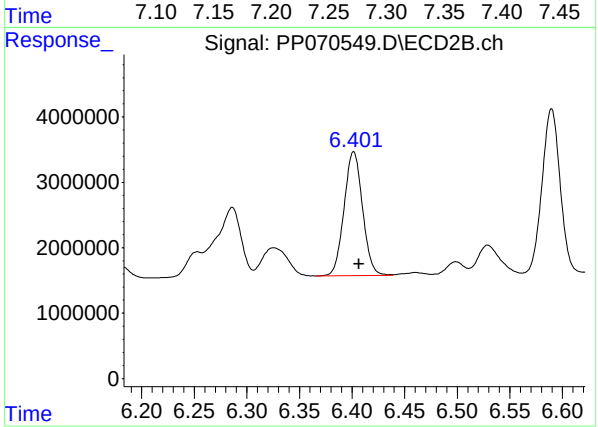
#7 AR-1016-5

R.T.: 5.366 min
Delta R.T.: -0.004 min
Response: 13366592
Conc: 449.77 ng/ml



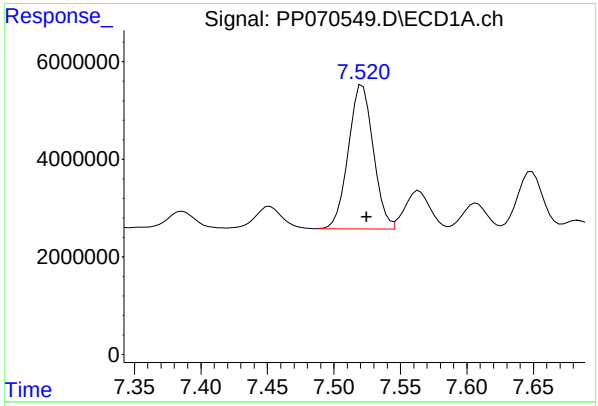
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 28474787
Conc: 484.77 ng/ml



#31 AR-1260-1

R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 23132691
Conc: 464.66 ng/ml



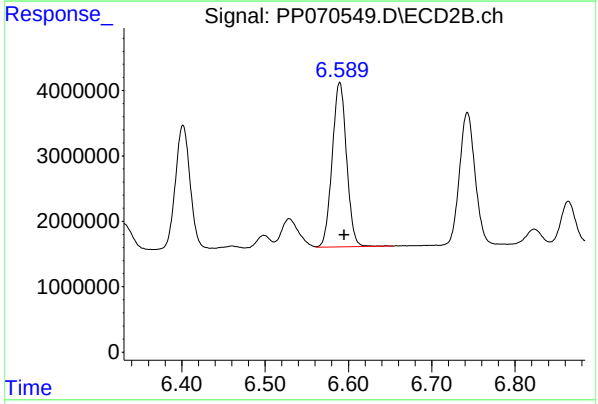
#32 AR-1260-2

R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 38514455
Conc: 469.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167143BS

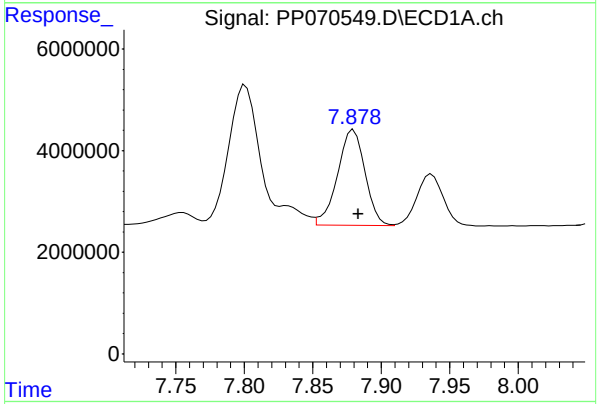
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



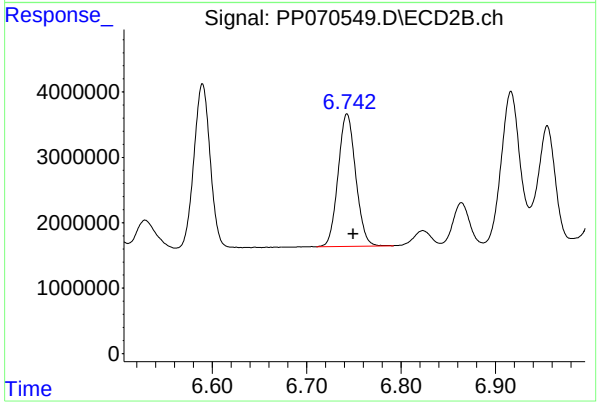
#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 30113094
Conc: 455.66 ng/ml



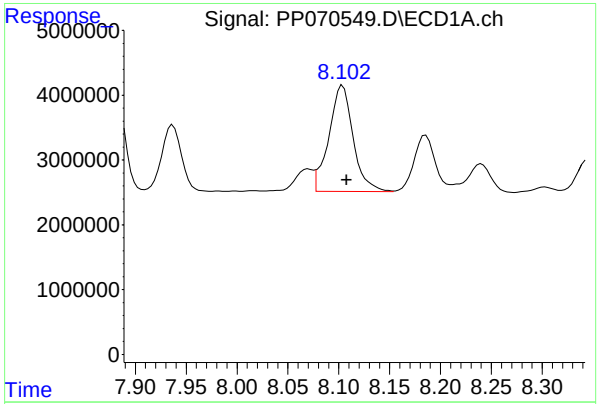
#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 26305571
Conc: 400.04 ng/ml



#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 26221520
Conc: 458.44 ng/ml



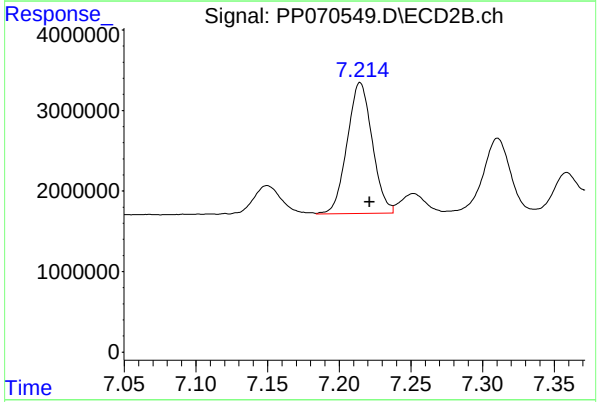
#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.005 min
Response: 27028438
Conc: 413.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167143BS

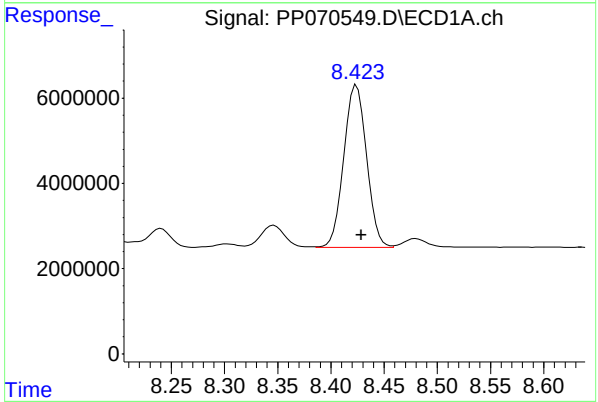
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



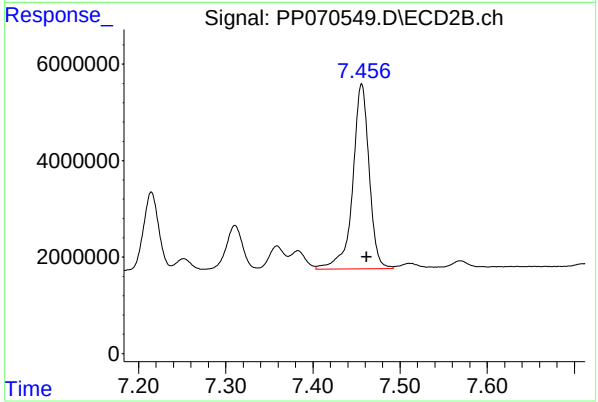
#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.007 min
Response: 19782442
Conc: 386.65 ng/ml



#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 min
Response: 56522478
Conc: 413.55 ng/ml



#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 50192203
Conc: 389.74 ng/ml

Raw Data: **PP070564.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O18MS	SDG No.:	Q1572
Lab Sample ID:	Q1572-06MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070564.D	1	03/14/25 12:25	03/15/25 03:29	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	16000	E	5.20	22.3	ug/kg
11104-28-2	Aroclor-1221	22.3	U	5.30	22.3	ug/kg
11141-16-5	Aroclor-1232	22.3	U	4.90	22.3	ug/kg
53469-21-9	Aroclor-1242	22.3	U	5.30	22.3	ug/kg
12672-29-6	Aroclor-1248	18000	E	7.80	22.3	ug/kg
11097-69-1	Aroclor-1254	22.3	U	4.20	22.3	ug/kg
37324-23-5	Aroclor-1262	22.3	U	6.60	22.3	ug/kg
11100-14-4	Aroclor-1268	22.3	U	4.70	22.3	ug/kg
11096-82-5	Aroclor-1260	1300	E	4.20	22.3	ug/kg
Total PCBs	Total PCBs	36000	E	17.2	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	34.0		32 - 175	170%	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: **PP070564.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:29
Operator : YP\AJ
Sample : Q1572-06MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:29:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	31492424	19015081	20.247	18.972
2)	SA Decachlor...	10.241	8.872	23103528	33309847	21.748m	34.047m#
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.913	1545.8E6	1027.1E6	29811.971	28568.783
4)	L1 AR-1016-2	5.697	4.932	2869.3E6	1817.2E6	40104.719	34967.922
5)	L1 AR-1016-3	5.762	5.109	286.7E6	860.8E6	6295.985	30253.551 #
6)	L1 AR-1016-4	5.855	5.150	1261.6E6	998.4E6	32317.971	44590.873 #
7)	L1 AR-1016-5	6.147	5.365	1967.9E6	1421.1E6	56839.757m	47818.941
21)	L5 AR-1248-1	5.675	4.913	1545.8E6	1027.1E6	45256.716	43752.792
22)	L5 AR-1248-2	5.946	5.150	1587.1E6	998.4E6	37389.363	31893.782
23)	L5 AR-1248-3	6.147	5.192	1971.4E6	1118.7E6	42719.007m	35266.768
24)	L5 AR-1248-4	6.547	5.365	2211.6E6	1421.1E6	38136.398	36464.194
25)	L5 AR-1248-5	6.586	5.759	2198.5E6	1430.4E6	40950.306	37557.199
31)	L7 AR-1260-1	7.268	6.413	197.7E6	373.7E6	3366.027	7505.712m#
32)	L7 AR-1260-2	7.520	6.589	343.1E6	135.4E6	4181.896	2048.218 #
33)	L7 AR-1260-3	7.878	6.742	140.0E6	149.3E6	2129.150	2610.828
34)	L7 AR-1260-4	8.099	7.215	174.2E6	76097429	2666.075	1487.338 #
35)	L7 AR-1260-5	8.424	7.455	232.7E6	221.6E6	1702.840	1720.632

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:29
Operator : YP\AJ
Sample : Q1572-06MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

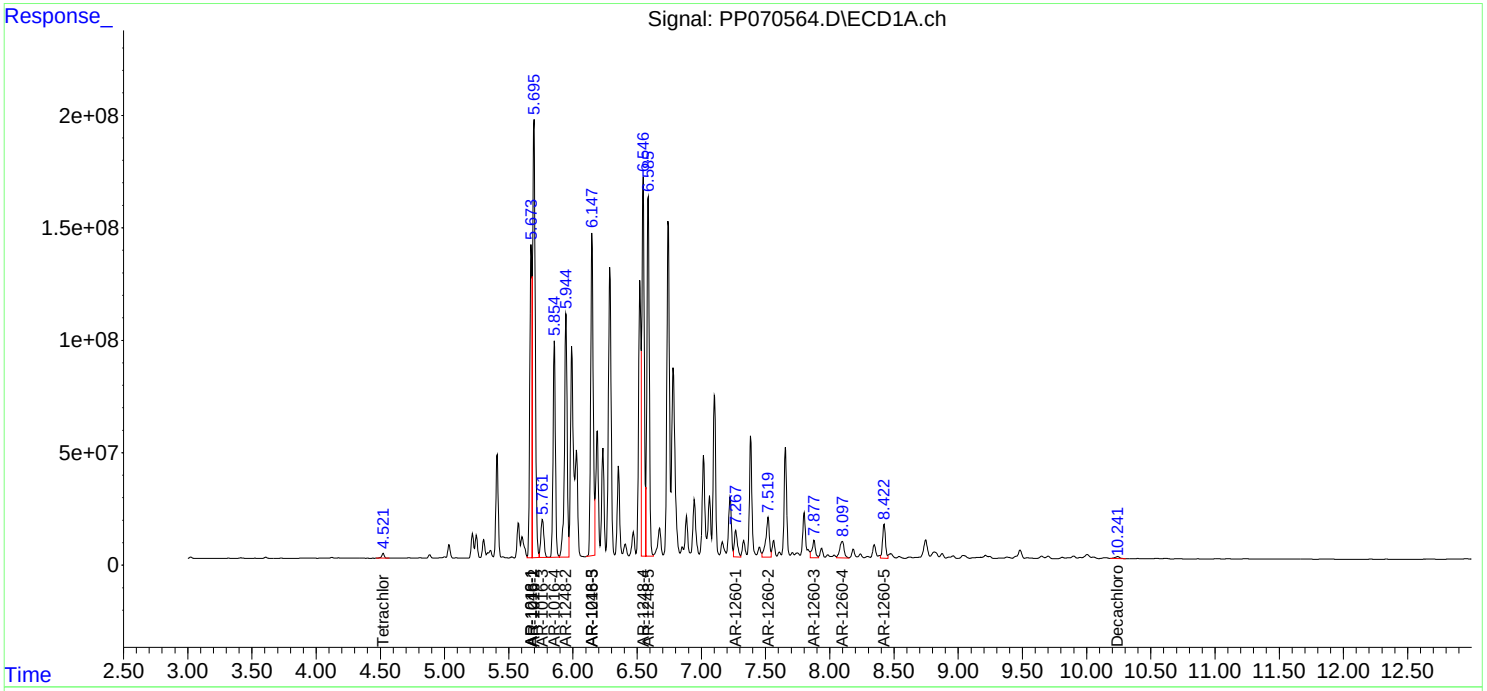
Instrument :
ECD_P
ClientSampleId :
C0O18MS

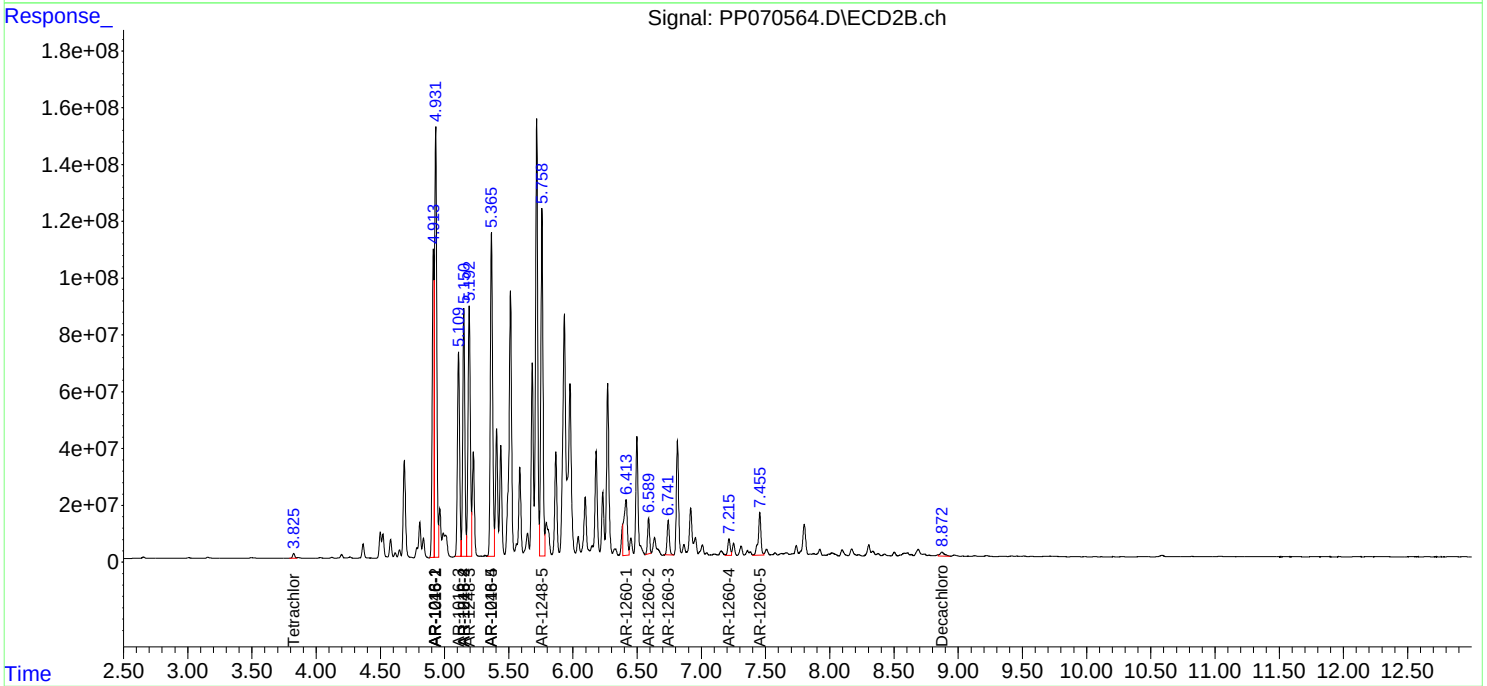
Manual Integrations APPROVED

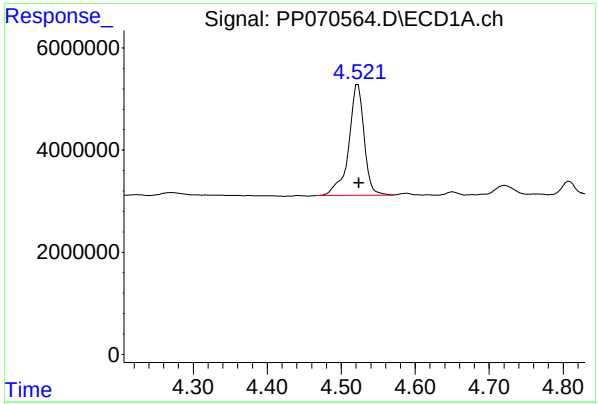
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:29:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







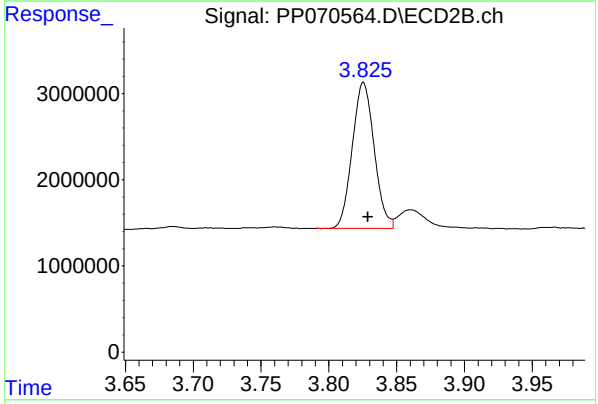
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.001 mi
Response: 31492424
Conc: 20.25 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MS

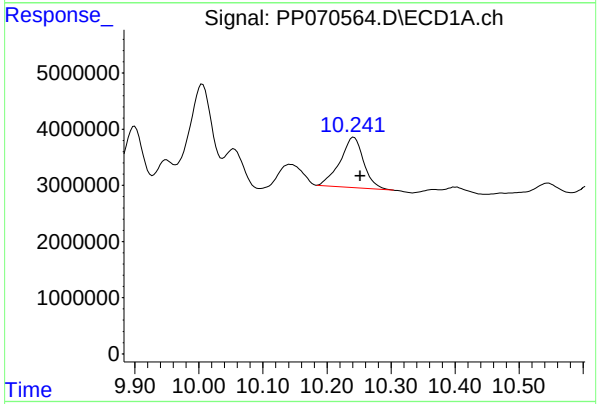
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



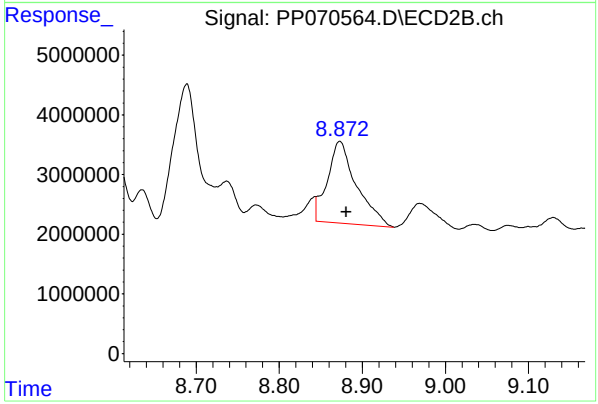
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 19015081
Conc: 18.97 ng/ml



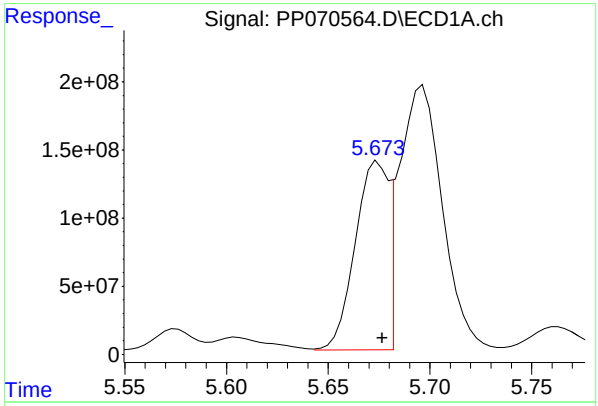
#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 23103528
Conc: 21.75 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 33309847
Conc: 34.05 ng/ml m



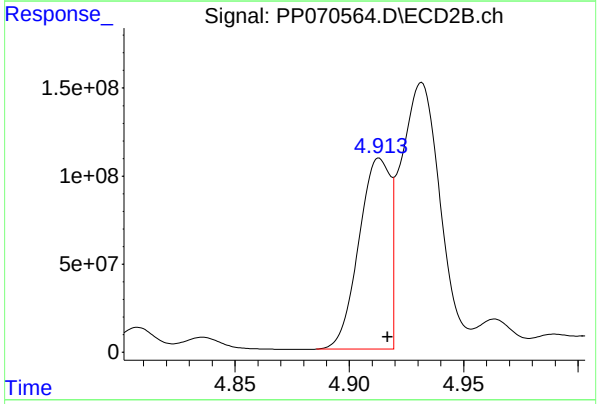
#3 AR-1016-1

R.T.: 5.675 min
Delta R.T.: -0.002 min
Response: 1545786491
Conc: 29811.97 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MS

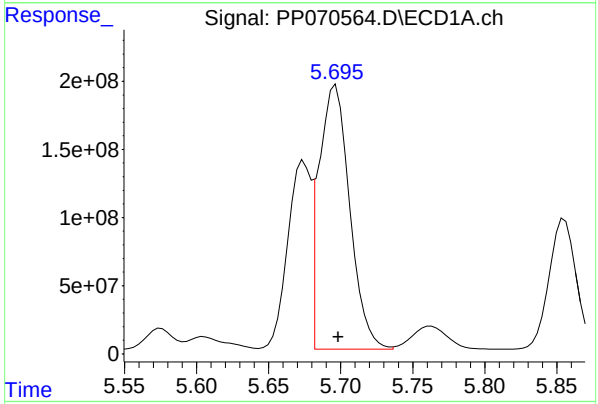
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



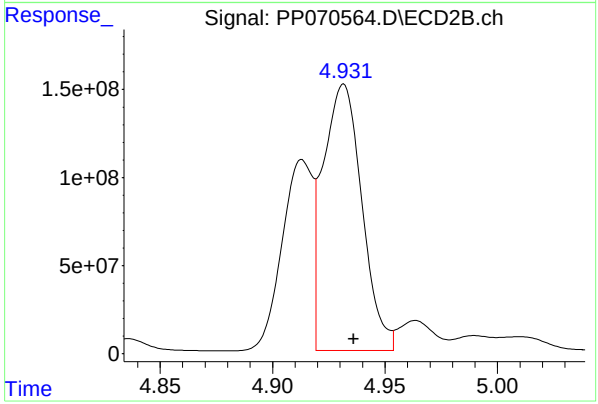
#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 1027120106
Conc: 28568.78 ng/ml



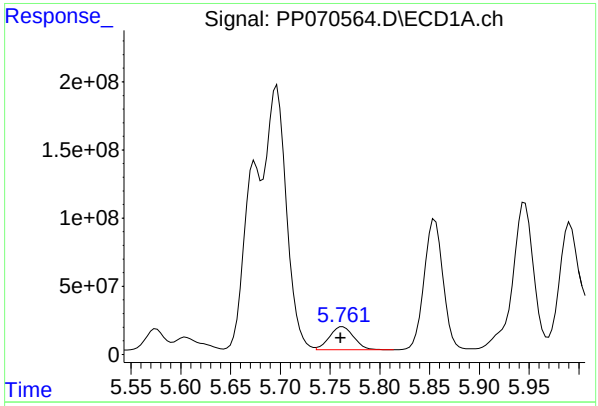
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 2869285453
Conc: 40104.72 ng/ml



#4 AR-1016-2

R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 1817166347
Conc: 34967.92 ng/ml



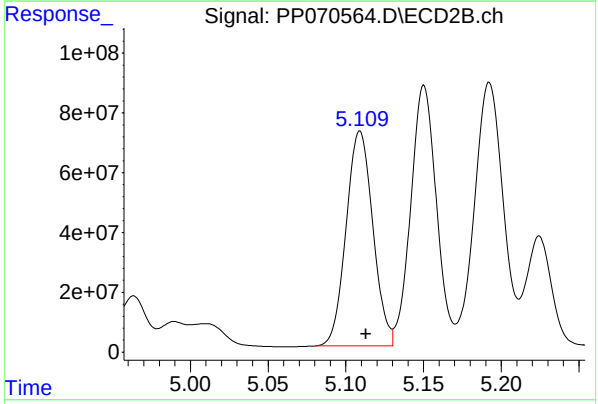
#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: 0.002 mi
Response: 286706144
Conc: 6295.98 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MS

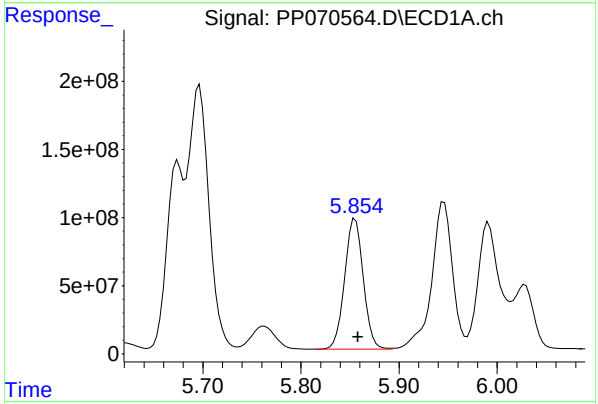
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



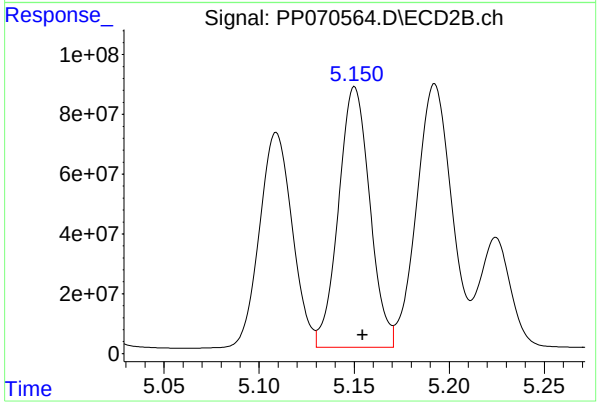
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 860816342
Conc: 30253.55 ng/ml



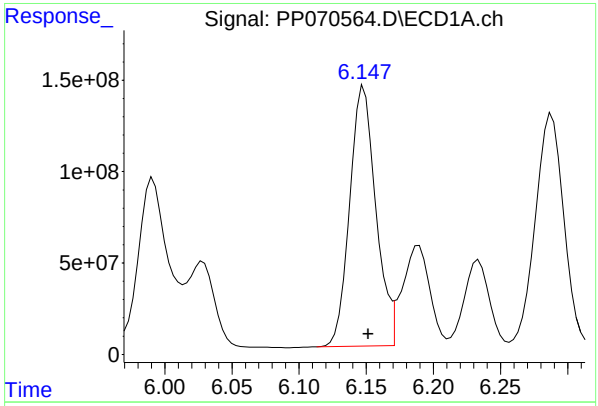
#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 1261621657
Conc: 32317.97 ng/ml



#6 AR-1016-4

R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 998385300
Conc: 44590.87 ng/ml



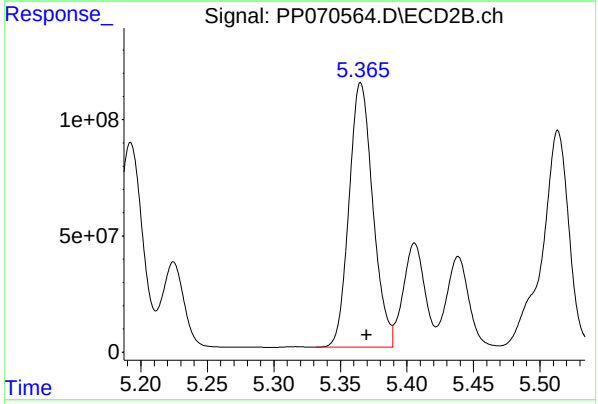
#7 AR-1016-5

R.T.: 6.147 min
Delta R.T.: -0.005 min
Response: 1967906789
Conc: 56839.76 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MS

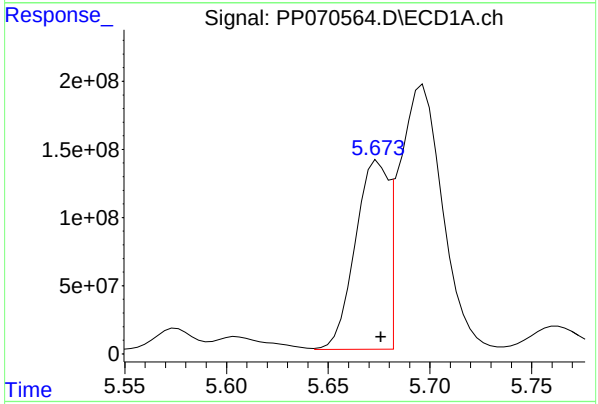
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



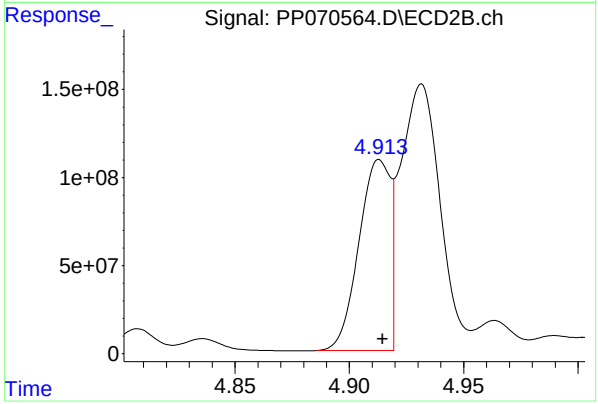
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.004 min
Response: 1421125264
Conc: 47818.94 ng/ml



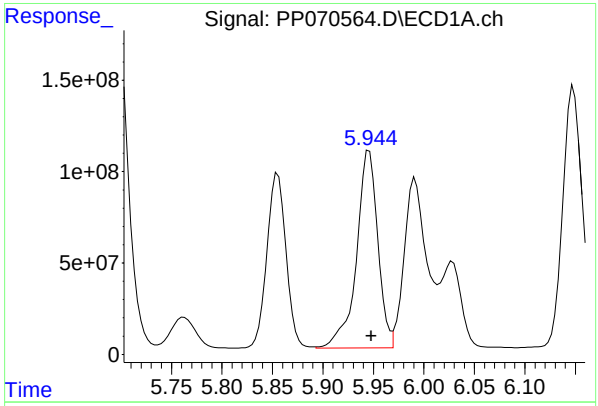
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 1545786491
Conc: 45256.72 ng/ml



#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 1027120106
Conc: 43752.79 ng/ml



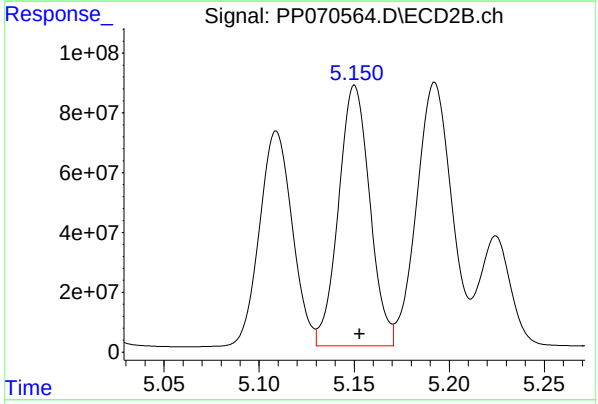
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 mi
Response: 1587076258
Conc: 37389.36 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MS

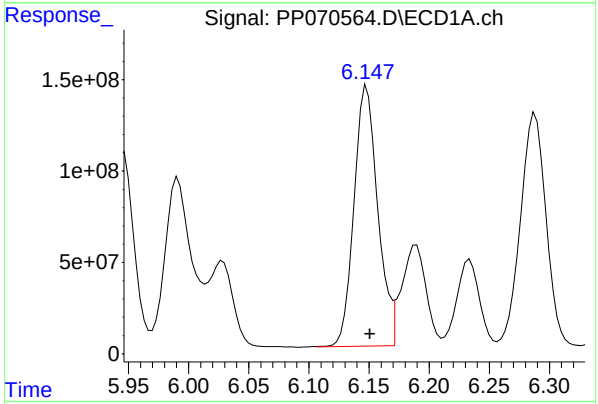
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



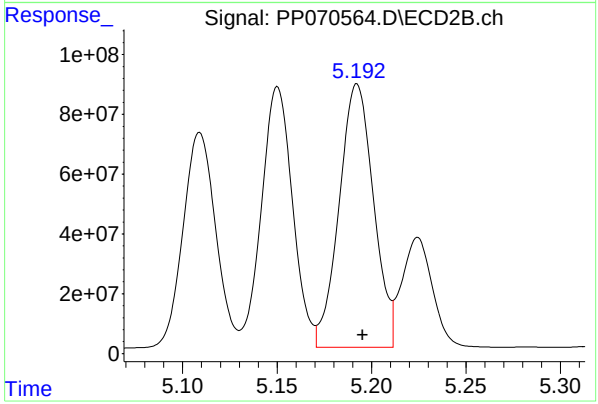
#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 998385300
Conc: 31893.78 ng/ml



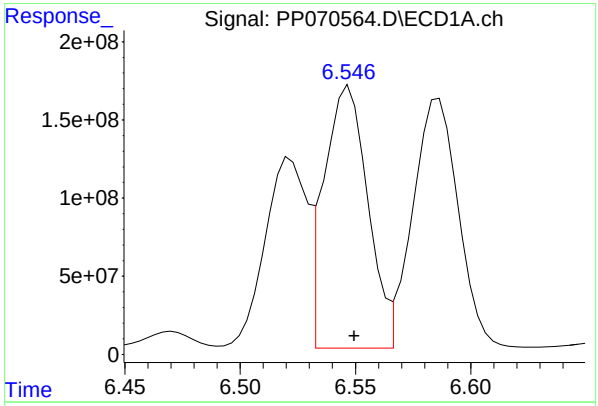
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 1971424186
Conc: 42719.01 ng/ml m



#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 1118717376
Conc: 35266.77 ng/ml



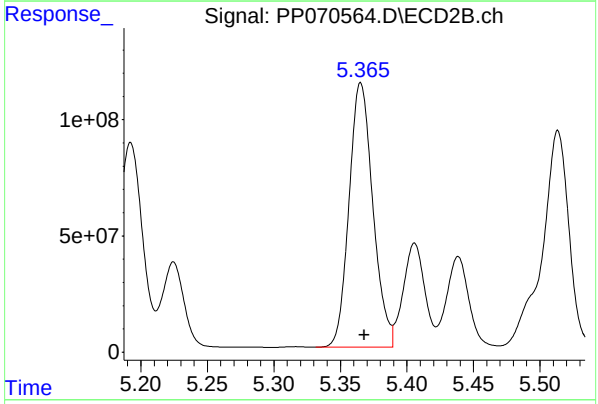
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.002 min
Response: 2211577764
Conc: 38136.40 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MS

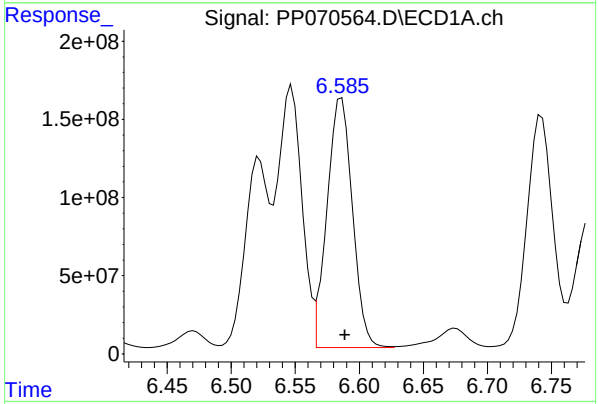
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



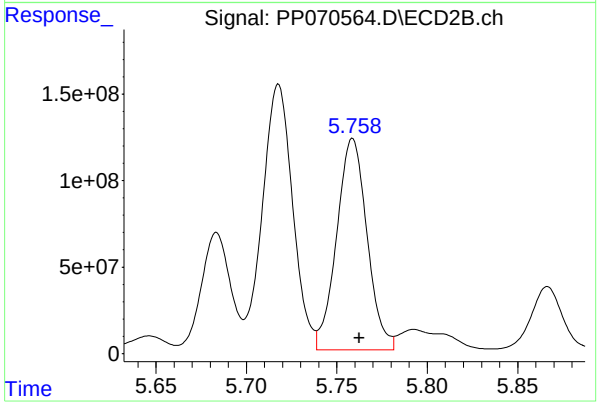
#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1421125264
Conc: 36464.19 ng/ml



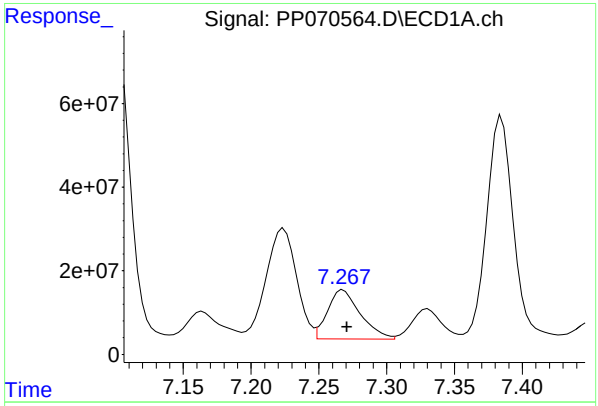
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 2198513653
Conc: 40950.31 ng/ml



#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 1430429007
Conc: 37557.20 ng/ml



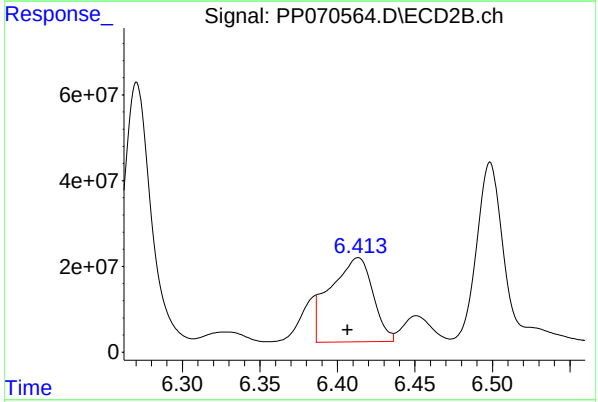
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 mi
Response: 197714364
Conc: 3366.03 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MS

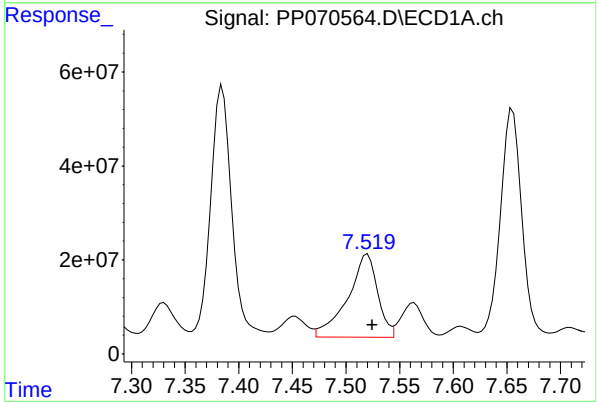
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



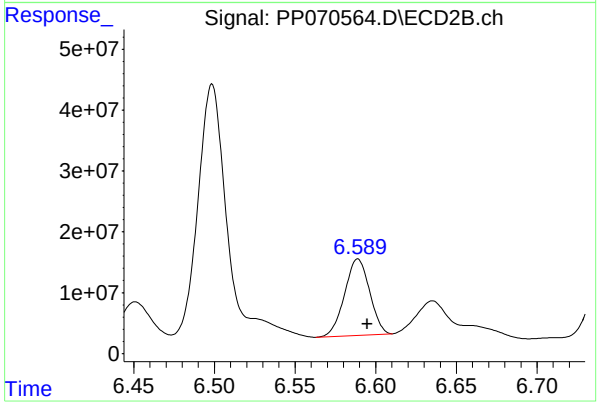
#31 AR-1260-1

R.T.: 6.413 min
Delta R.T.: 0.006 min
Response: 373667198
Conc: 7505.71 ng/ml m



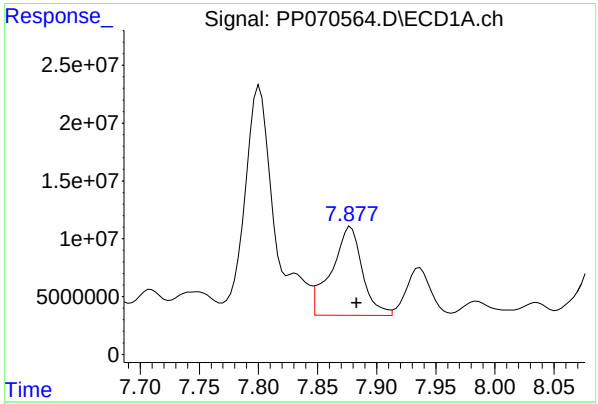
#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.005 min
Response: 343095332
Conc: 4181.90 ng/ml



#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 135361549
Conc: 2048.22 ng/ml



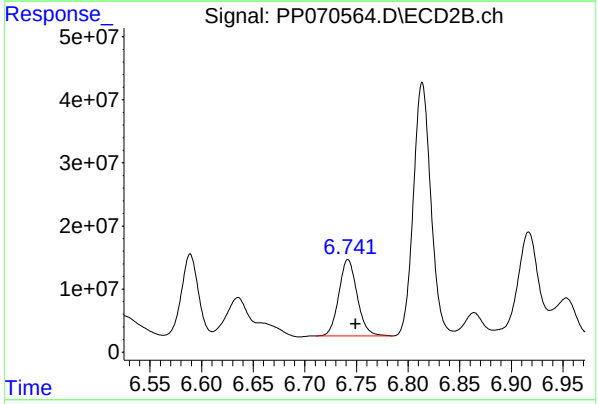
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 140007962
Conc: 2129.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
C0O18MS

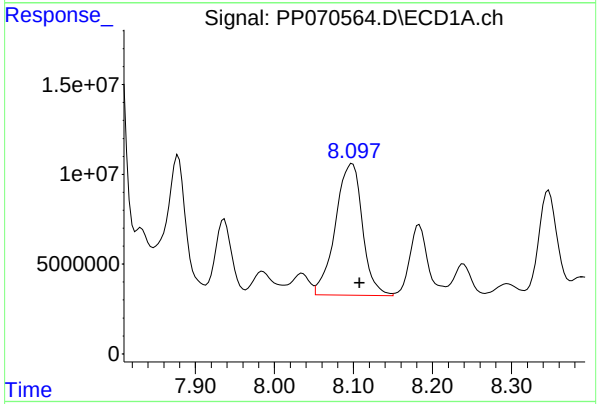
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



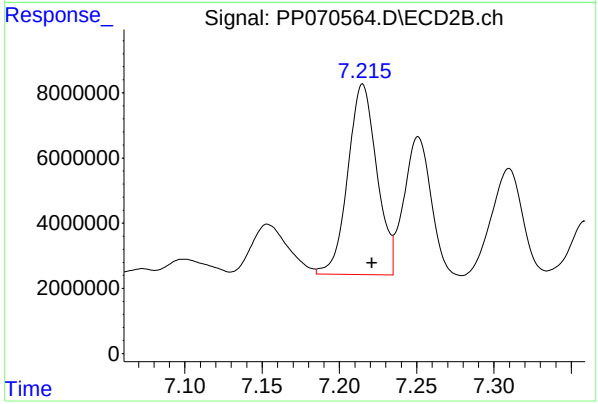
#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 149332449
Conc: 2610.83 ng/ml



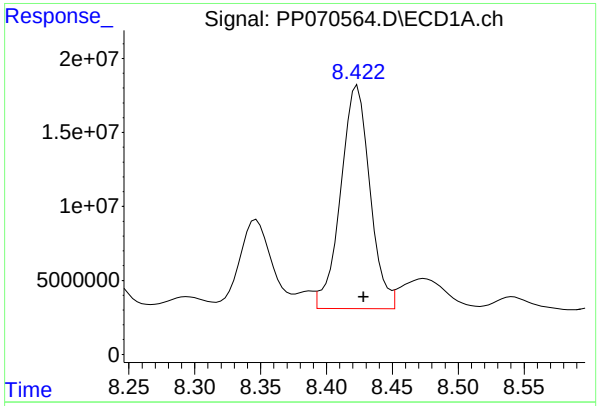
#34 AR-1260-4

R.T.: 8.099 min
Delta R.T.: -0.009 min
Response: 174208693
Conc: 2666.07 ng/ml



#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 76097429
Conc: 1487.34 ng/ml



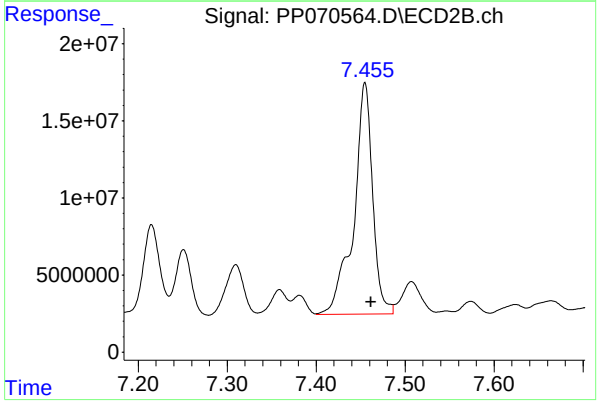
#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 mi
Response: 232740158
Conc: 1702.84 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 221592002
Conc: 1720.63 ng/ml

Raw Data: **PP070565.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	03/12/25
Project:	R36884 - PCB	Date Received:	03/14/25
Client Sample ID:	C0O18MSD	SDG No.:	Q1572
Lab Sample ID:	Q1572-06MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070565.D	1	03/14/25 12:25	03/15/25 03:45	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17000	E	5.20	22.3	ug/kg
11104-28-2	Aroclor-1221	22.3	U	5.30	22.3	ug/kg
11141-16-5	Aroclor-1232	22.3	U	4.90	22.3	ug/kg
53469-21-9	Aroclor-1242	22.3	U	5.30	22.3	ug/kg
12672-29-6	Aroclor-1248	19000	E	7.80	22.3	ug/kg
11097-69-1	Aroclor-1254	22.3	U	4.20	22.3	ug/kg
37324-23-5	Aroclor-1262	22.3	U	6.60	22.3	ug/kg
11100-14-4	Aroclor-1268	22.3	U	4.70	22.3	ug/kg
11096-82-5	Aroclor-1260	1400	E	4.20	22.3	ug/kg
Total PCBs	Total PCBs	37000	E	17.2	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	33.2		32 - 175	166%	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: **PP070565.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:45
Operator : YP\AJ
Sample : Q1572-06MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.825	32368170	19674300	20.810	19.630
2)	SA Decachlor...	10.240	8.872	23727783	32481015	22.335m	33.199m#
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.913	1606.9E6	1075.9E6	30991.180	29925.656
4)	L1 AR-1016-2	5.696	4.931	3025.4E6	1925.6E6	42287.416	37053.656
5)	L1 AR-1016-3	5.763	5.109	302.8E6	923.3E6	6649.684	32447.986 #
6)	L1 AR-1016-4	5.856	5.150	1331.5E6	1052.2E6	34107.498	46995.572 #
7)	L1 AR-1016-5	6.147	5.365	2056.4E6	1493.0E6	59397.064m	50236.412
21)	L5 AR-1248-1	5.675	4.913	1606.9E6	1075.9E6	47046.839	45830.829
22)	L5 AR-1248-2	5.946	5.150	1650.8E6	1052.2E6	38891.475	33613.751
23)	L5 AR-1248-3	6.147	5.192	2074.5E6	1177.9E6	44952.045m	37132.696
24)	L5 AR-1248-4	6.548	5.365	2306.8E6	1493.0E6	39778.459	38307.629
25)	L5 AR-1248-5	6.586	5.758	2276.2E6	1486.0E6	42397.765	39015.752
31)	L7 AR-1260-1	7.268	6.413	204.8E6	389.8E6	3486.616	7830.580m#
32)	L7 AR-1260-2	7.519	6.588	361.0E6	140.9E6	4400.150	2132.689 #
33)	L7 AR-1260-3	7.878	6.741	145.0E6	156.1E6	2204.937	2728.284
34)	L7 AR-1260-4	8.098	7.214	179.0E6	78496874	2739.580	1534.235 #
35)	L7 AR-1260-5	8.424	7.455	237.6E6	226.0E6	1738.478	1755.208

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:45
Operator : YP\AJ
Sample : Q1572-06MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

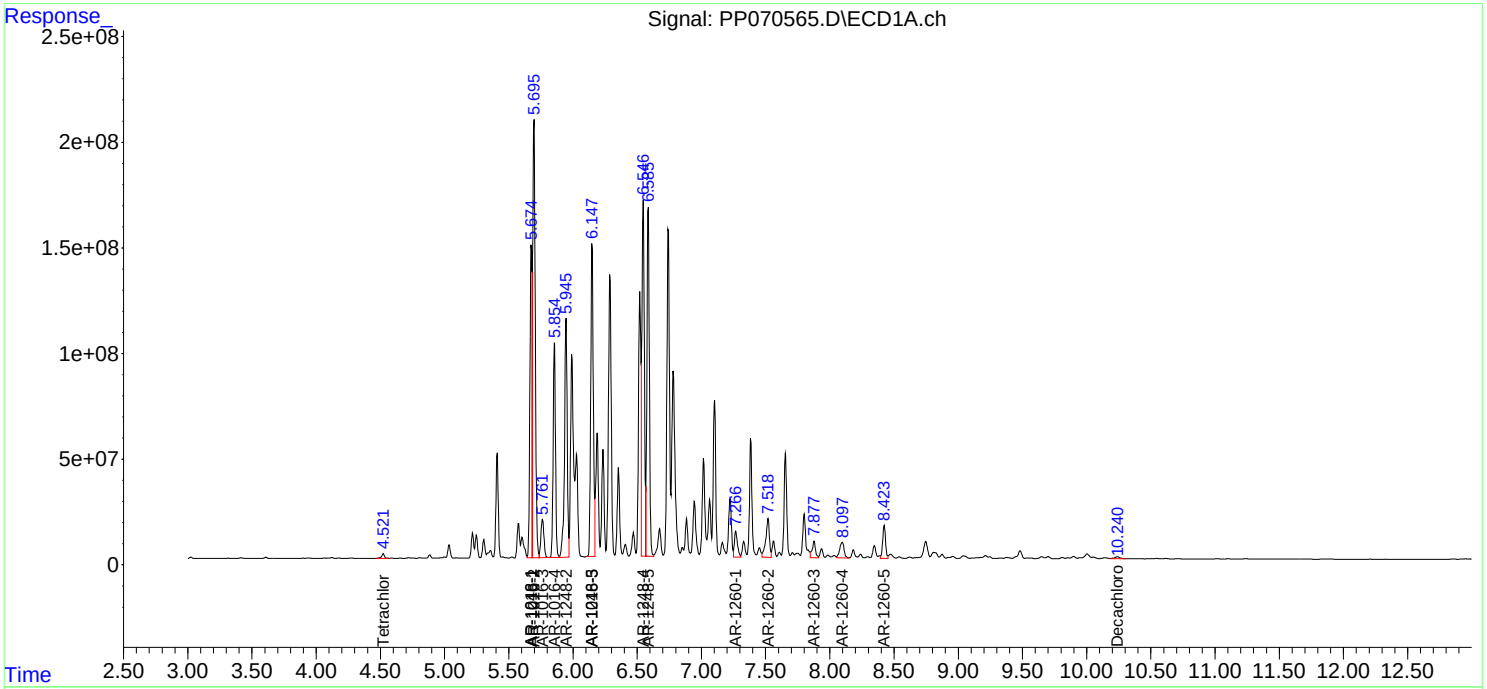
Instrument :
ECD_P
ClientSampleId :
C0O18MSD

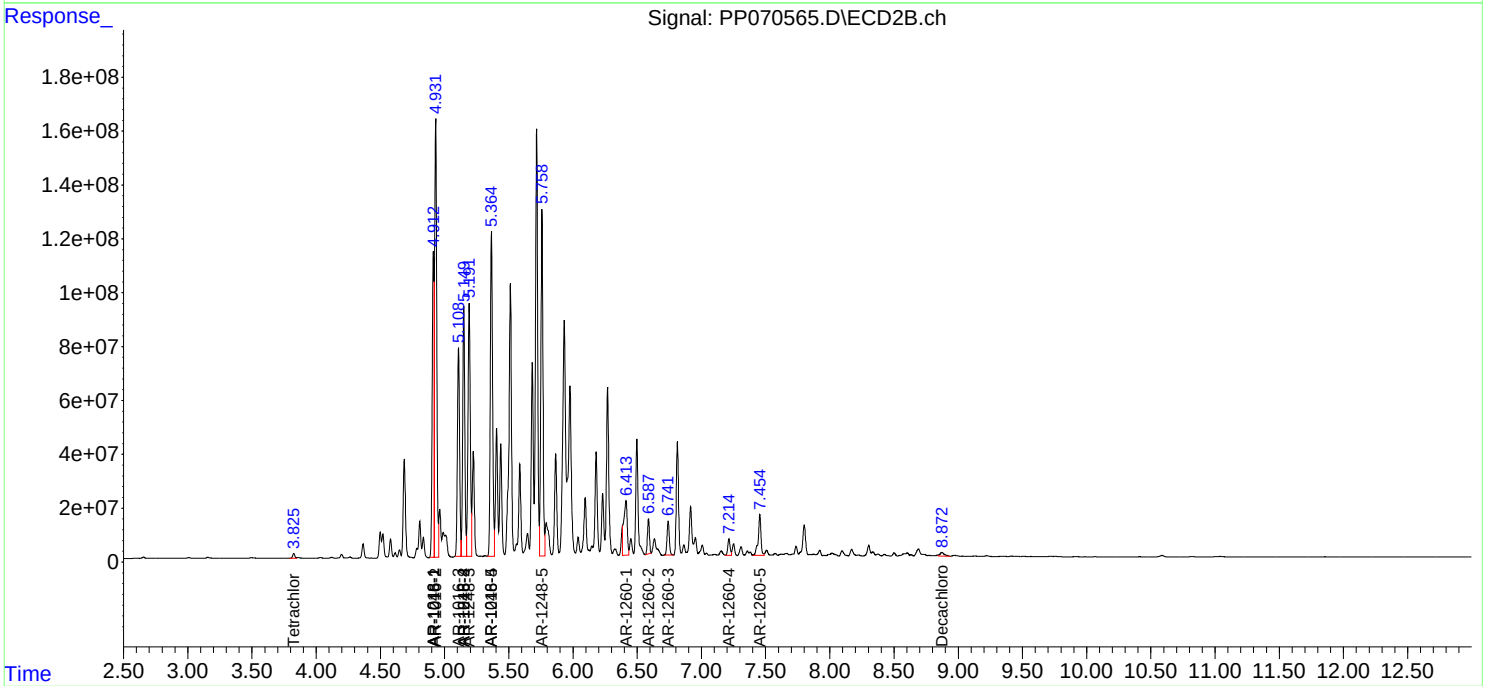
Manual Integrations APPROVED

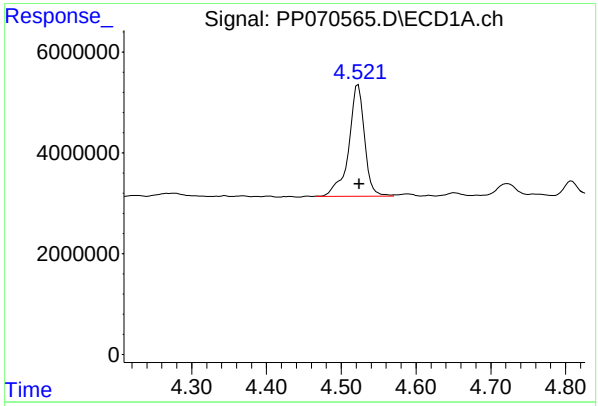
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







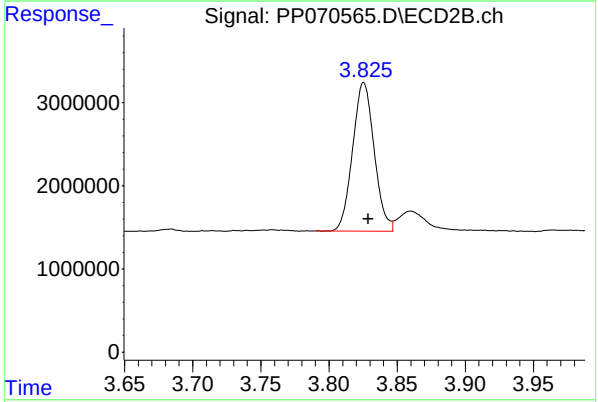
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.001 mi
Response: 32368170
Conc: 20.81 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

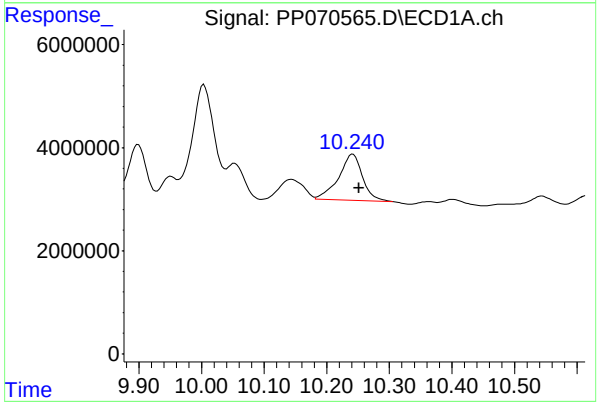
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



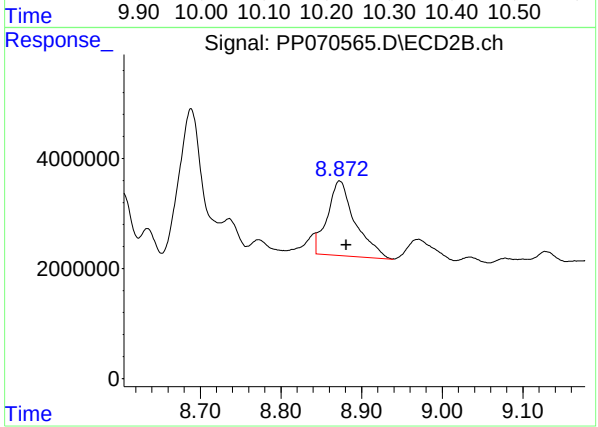
#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.003 min
Response: 19674300
Conc: 19.63 ng/ml



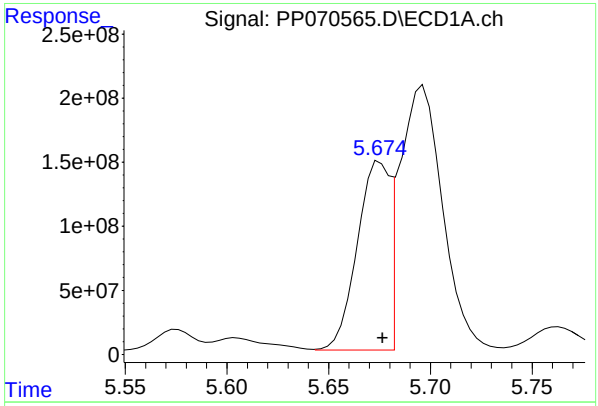
#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.011 min
Response: 23727783
Conc: 22.34 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 32481015
Conc: 33.20 ng/ml m



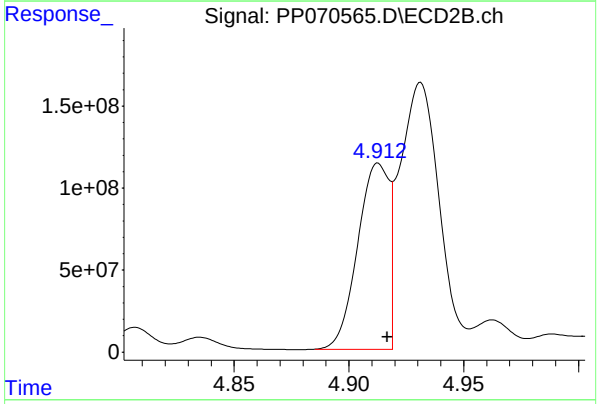
#3 AR-1016-1

R.T.: 5.675 min
Delta R.T.: -0.001 mi
Response: 1606929887
Conc: 30991.18 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

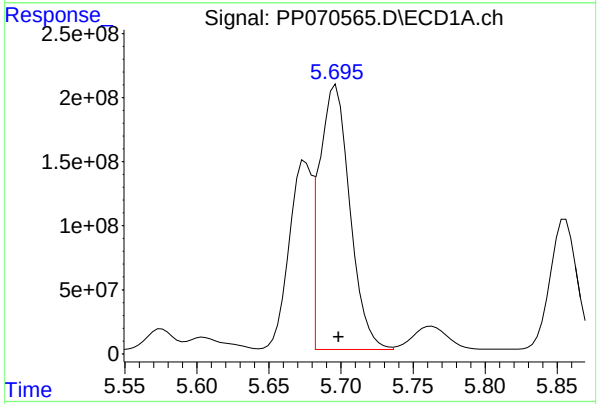
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



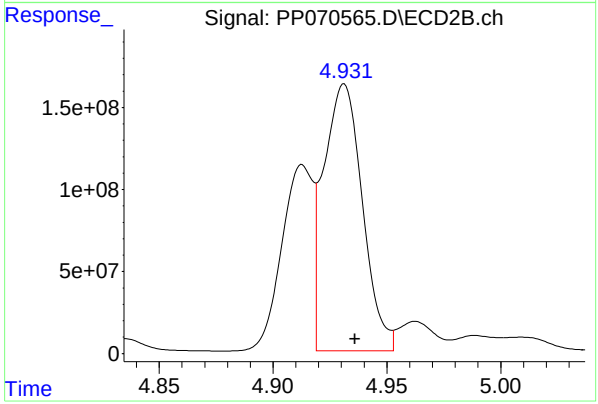
#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 1075903116
Conc: 29925.66 ng/ml



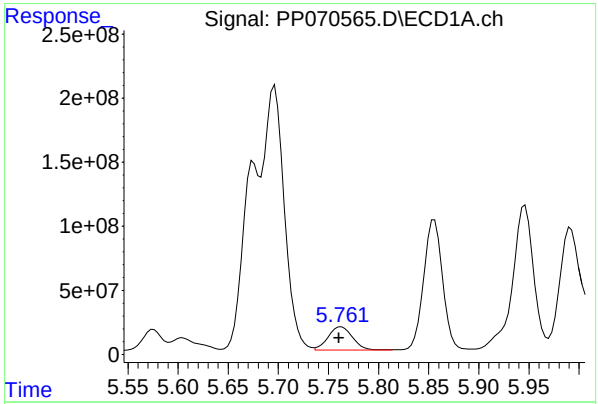
#4 AR-1016-2

R.T.: 5.696 min
Delta R.T.: -0.002 min
Response: 3025446169
Conc: 42287.42 ng/ml



#4 AR-1016-2

R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 1925555011
Conc: 37053.66 ng/ml



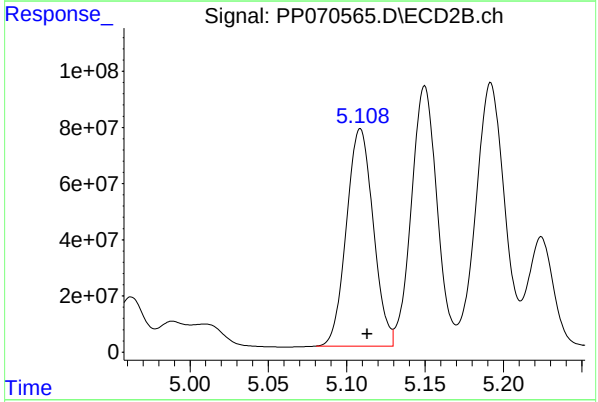
#5 AR-1016-3

R.T.: 5.763 min
Delta R.T.: 0.002 mi
Response: 302812888
Conc: 6649.68 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

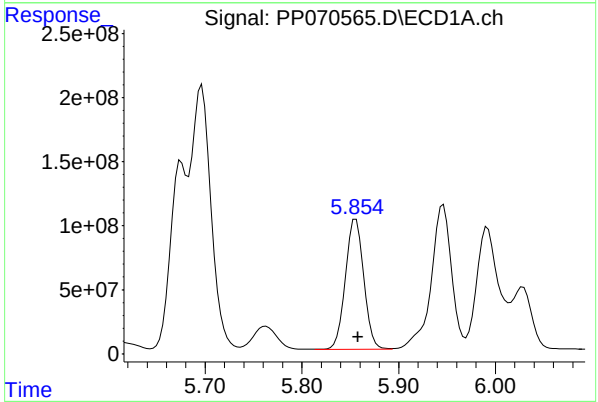
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



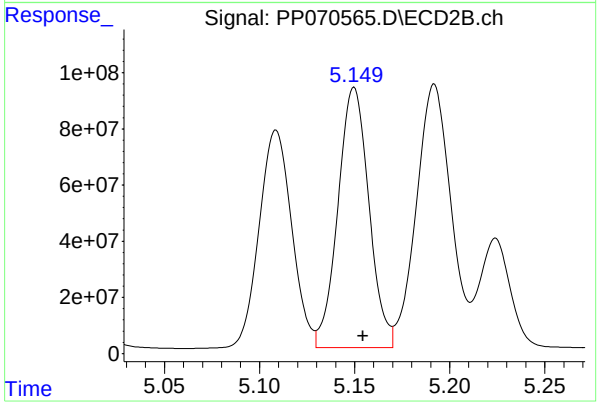
#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 923255472
Conc: 32447.99 ng/ml



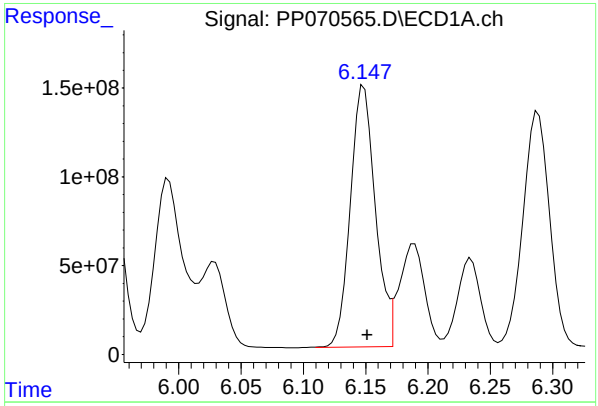
#6 AR-1016-4

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 1331480806
Conc: 34107.50 ng/ml



#6 AR-1016-4

R.T.: 5.150 min
Delta R.T.: -0.005 min
Response: 1052226275
Conc: 46995.57 ng/ml



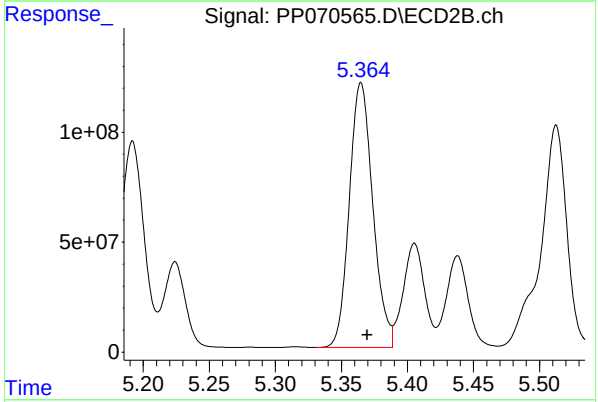
#7 AR-1016-5

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 2056445906
Conc: 59397.06 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

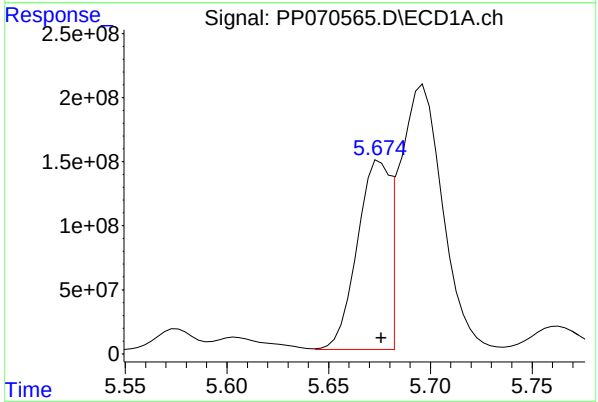
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



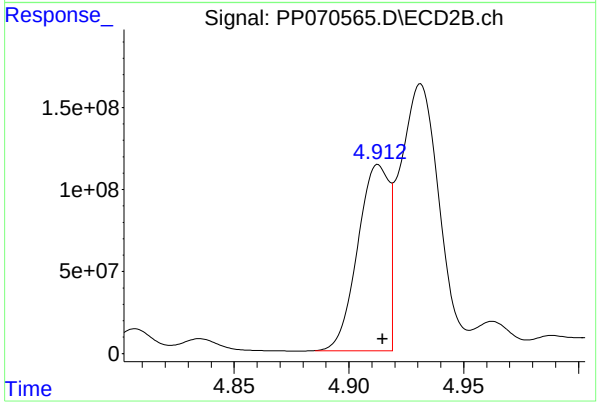
#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 1492969789
Conc: 50236.41 ng/ml



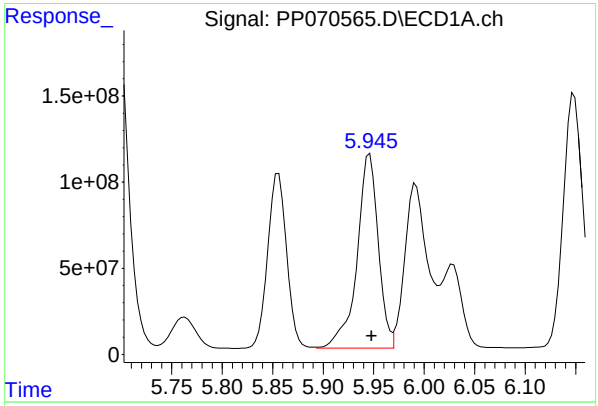
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 1606929887
Conc: 47046.84 ng/ml



#21 AR-1248-1

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 1075903116
Conc: 45830.83 ng/ml



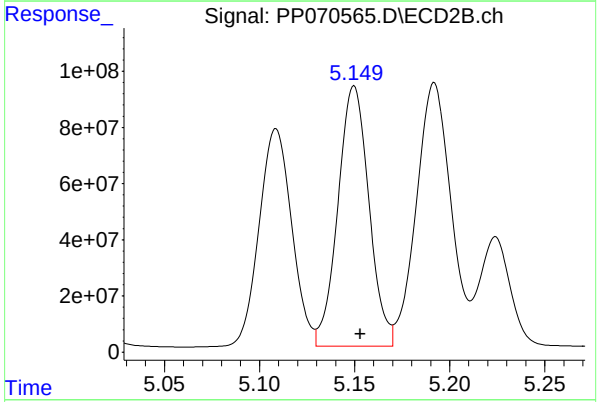
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 mi
Response: 1650836809
Conc: 38891.47 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

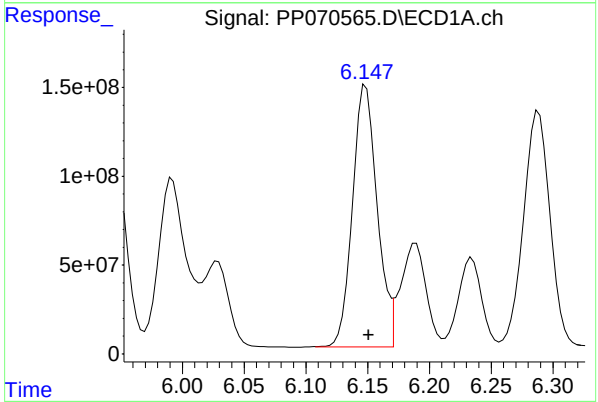
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



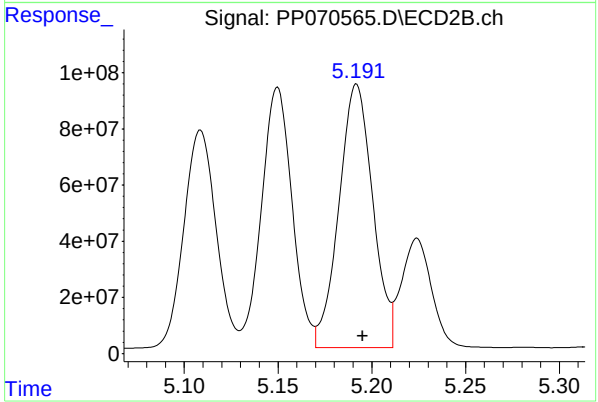
#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 1052226275
Conc: 33613.75 ng/ml



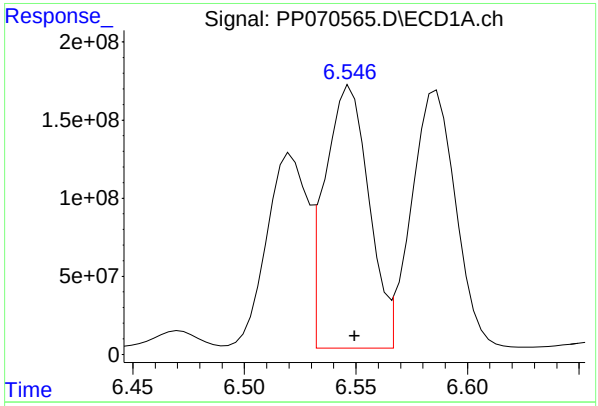
#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 2074475870
Conc: 44952.05 ng/ml m



#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 1177907548
Conc: 37132.70 ng/ml



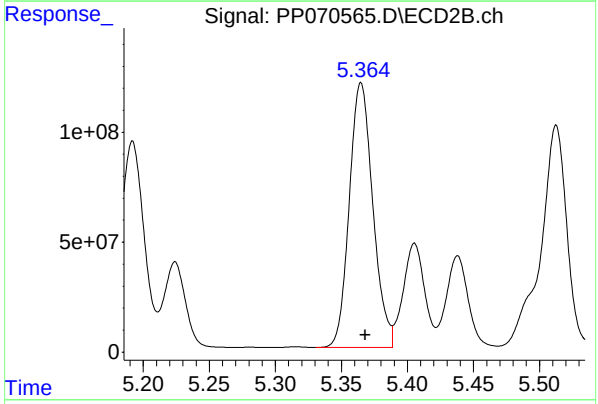
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.002 min
Response: 2306802945
Conc: 39778.46 ng/

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

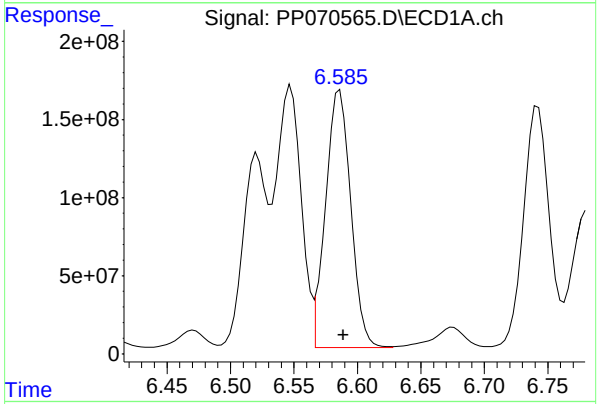
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



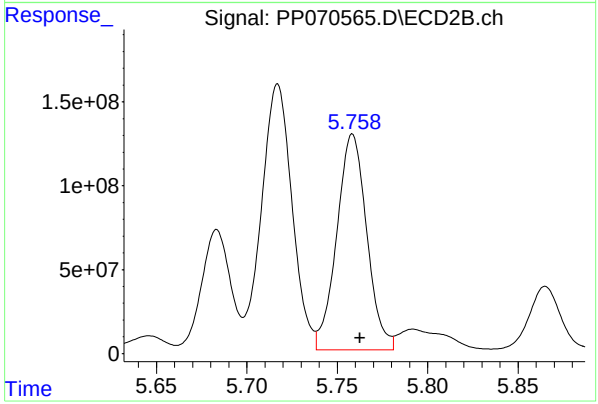
#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1492969789
Conc: 38307.63 ng/ml



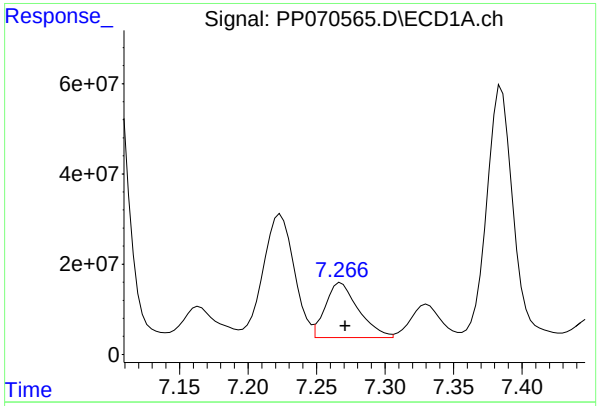
#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 2276223941
Conc: 42397.77 ng/ml



#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 1485980438
Conc: 39015.75 ng/ml



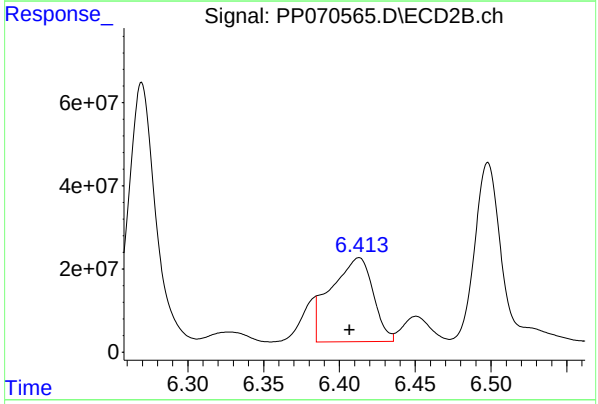
#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 mi
Response: 204797596
Conc: 3486.62 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

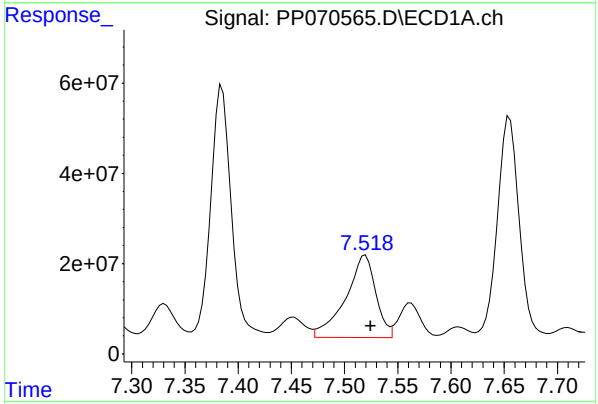
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



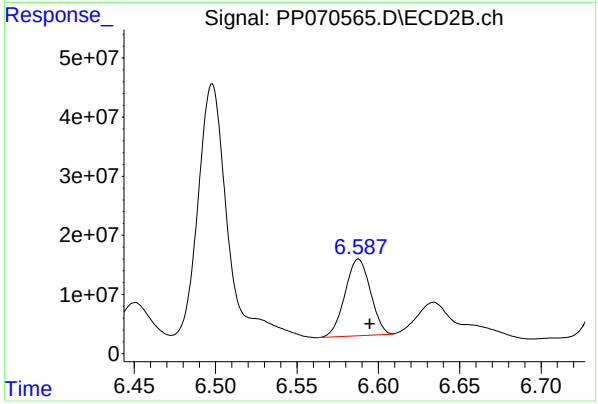
#31 AR-1260-1

R.T.: 6.413 min
Delta R.T.: 0.006 min
Response: 389840549
Conc: 7830.58 ng/ml m



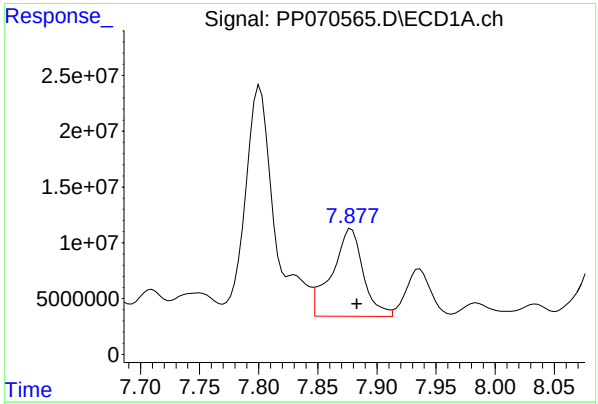
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 min
Response: 361001523
Conc: 4400.15 ng/ml



#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 140944045
Conc: 2132.69 ng/ml



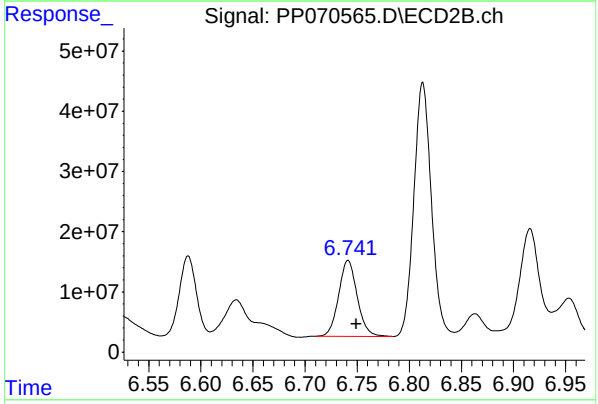
#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 mi
Response: 144991552
Conc: 2204.94 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

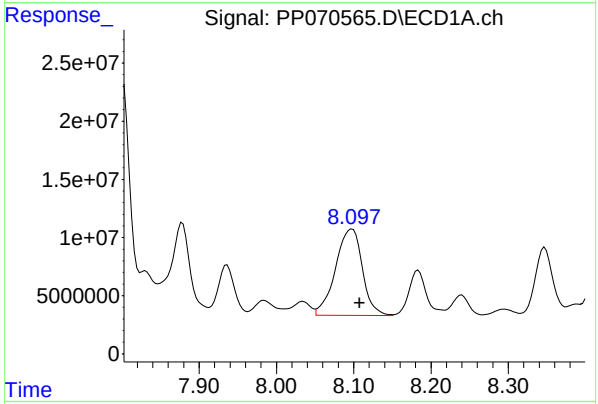
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



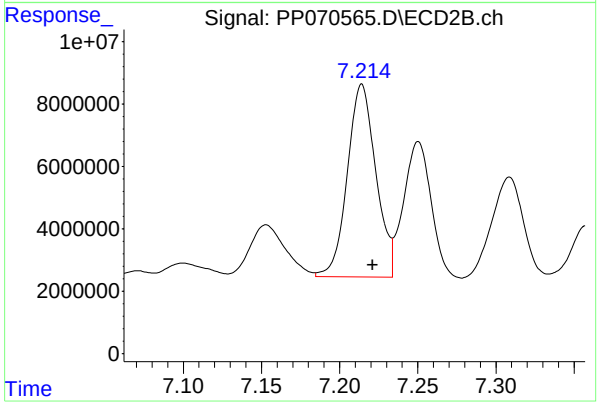
#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 156050611
Conc: 2728.28 ng/ml



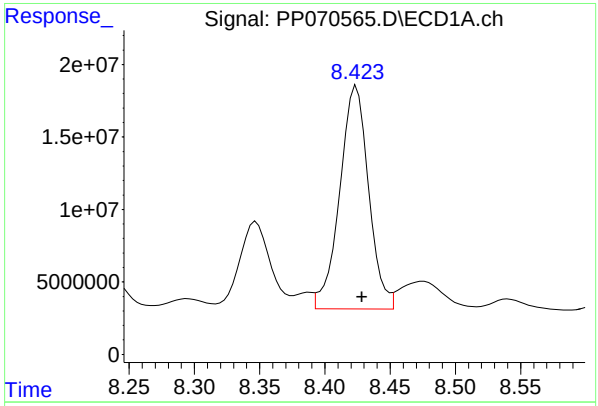
#34 AR-1260-4

R.T.: 8.098 min
Delta R.T.: -0.010 min
Response: 179011722
Conc: 2739.58 ng/ml



#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 78496874
Conc: 1534.24 ng/ml



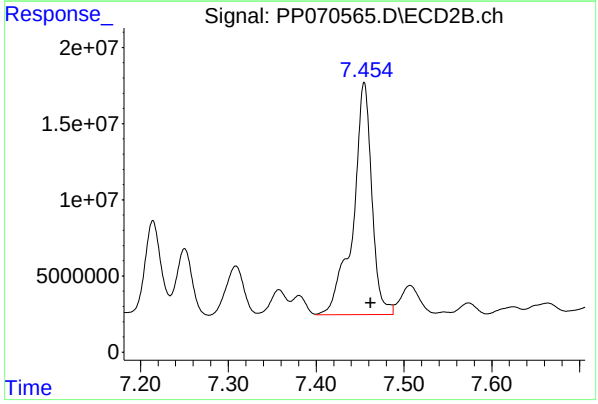
#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 mi
Response: 237611112
Conc: 1738.48 ng/m

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025



#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 226044852
Conc: 1755.21 ng/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO109437.D	AR-1242-5	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1242ICC050	PO109437.D	AR-1242-5 #2	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-4	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO109447.D	AR-1254-4 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO031425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109875.D	AR-1016-5	yogesh	3/17/2025 8:26:16 AM	mohammad	3/19/2025 6:40:31	Peak Integrated by Software
AR1660CCC500	PO109875.D	AR-1016-5 #2	yogesh	3/17/2025 8:26:16 AM	mohammad	3/19/2025 6:40:31	Peak Integrated by Software
AR1254CCC500	PO109878.D	AR-1254-1	yogesh	3/17/2025 8:26:18 AM	mohammad	3/19/2025 6:40:36	Peak Integrated by Software
AR1254CCC500	PO109878.D	AR-1254-1 #2	yogesh	3/17/2025 8:26:18 AM	mohammad	3/19/2025 6:40:36	Peak Integrated by Software
AR1254CCC500	PO109878.D	AR-1254-2	yogesh	3/17/2025 8:26:18 AM	mohammad	3/19/2025 6:40:36	Peak Integrated by Software
AR1254CCC500	PO109878.D	AR-1254-2 #2	yogesh	3/17/2025 8:26:18 AM	mohammad	3/19/2025 6:40:36	Peak Integrated by Software
AR1254CCC500	PO109878.D	AR-1254-3 #2	yogesh	3/17/2025 8:26:18 AM	mohammad	3/19/2025 6:40:36	Peak Integrated by Software
AR1254CCC500	PO109878.D	AR-1254-4 #2	yogesh	3/17/2025 8:26:18 AM	mohammad	3/19/2025 6:40:36	Peak Integrated by Software
AR1254CCC500	PO109893.D	AR-1254-5	yogesh	3/17/2025 8:26:27 AM	mohammad	3/19/2025 6:40:59	Peak Integrated by Software
Q1572-10	PO109896.D	AR-1248-1	yogesh	3/17/2025 8:26:28 AM	mohammad	3/19/2025 6:41:03	Peak Integrated by Software
Q1572-10	PO109896.D	Decachlorobiphenyl	yogesh	3/17/2025 8:26:28 AM	mohammad	3/19/2025 6:41:03	Peak Integrated by Software
Q1572-10	PO109896.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:26:28 AM	mohammad	3/19/2025 6:41:03	Peak Integrated by Software
Q1572-11	PO109897.D	Decachlorobiphenyl	yogesh	3/17/2025 8:26:30 AM	mohammad	3/19/2025 6:41:12	Peak Integrated by Software

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO031425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-11	PO109897.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:26:30 AM	mohammad	3/19/2025 6:41:12	Peak Integrated by Software
Q1572-12	PO109898.D	AR-1260-1	yogesh	3/18/2025 10:23:04 AM	mohammad	3/19/2025 6:41:16	Peak Integrated by Software
Q1572-12	PO109898.D	AR-1260-1 #2	yogesh	3/18/2025 10:23:04 AM	mohammad	3/19/2025 6:41:16	Peak Integrated by Software
Q1572-12	PO109898.D	AR-1260-5	yogesh	3/18/2025 10:23:04 AM	mohammad	3/19/2025 6:41:16	Peak Integrated by Software
Q1572-12	PO109898.D	AR-1260-5 #2	yogesh	3/18/2025 10:23:04 AM	mohammad	3/19/2025 6:41:16	Peak Integrated by Software
Q1572-16	PO109902.D	AR-1260-1	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	AR-1260-1 #2	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	AR-1260-2 #2	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	AR-1260-3 #2	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	AR-1260-4	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	AR-1260-4 #2	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	Decachlorobiphenyl	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software
Q1572-16	PO109902.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:26:34 AM	mohammad	3/19/2025 6:41:20	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO031425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109904.D	Tetrachloro-m-xylene #2	yogesh	3/17/2025 8:26:37 AM	mohammad	3/19/2025 6:41:27	Peak Integrated by Software
AR1242CCC500	PO109905.D	Tetrachloro-m-xylene #2	yogesh	3/17/2025 8:26:39 AM	mohammad	3/19/2025 6:41:31	Peak Integrated by Software
AR1660CCC500	PO109917.D	AR-1016-5	yogesh	3/17/2025 8:27:48 AM	mohammad	3/19/2025 6:41:57	Peak Integrated by Software
AR1660CCC500	PO109917.D	AR-1016-5 #2	yogesh	3/17/2025 8:27:48 AM	mohammad	3/19/2025 6:41:57	Peak Integrated by Software
AR1254CCC500	PO109920.D	AR-1254-5	yogesh	3/17/2025 8:27:49 AM	mohammad	3/19/2025 6:42:00	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO031725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-11DL	PO109932.D	Decachlorobiphenyl	yogesh	3/18/2025 7:42:56 AM	mohammad	3/19/2025 6:43:30	Peak Integrated by Software
Q1572-11DL	PO109932.D	Decachlorobiphenyl #2	yogesh	3/18/2025 7:42:56 AM	mohammad	3/19/2025 6:43:30	Peak Integrated by Software
Q1572-12DL	PO109933.D	AR-1260-1	yogesh	3/18/2025 7:42:58 AM	mohammad	3/19/2025 6:43:33	Peak Integrated by Software
Q1572-12DL	PO109933.D	AR-1260-1 #2	yogesh	3/18/2025 7:42:58 AM	mohammad	3/19/2025 6:43:33	Peak Integrated by Software
Q1572-12DL	PO109933.D	AR-1260-5	yogesh	3/18/2025 7:42:58 AM	mohammad	3/19/2025 6:43:33	Peak Integrated by Software
Q1572-12DL	PO109933.D	AR-1260-5 #2	yogesh	3/18/2025 7:42:58 AM	mohammad	3/19/2025 6:43:33	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-1	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-1 #2	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-2	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-2 #2	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109960.D	AR-1254-1	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software
AR1254CCC500	PO109960.D	AR-1254-1 #2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software
AR1254CCC500	PO109960.D	AR-1254-2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO031725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO109960.D	AR-1254-2 #2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software
AR1254CCC500	PO109960.D	Tetrachloro-m-xylene #2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	po031825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-12DL2	PO109966.D	AR-1260-1	yogesh	3/19/2025 8:00:45 AM			Peak Integrated by Software
Q1572-12DL2	PO109966.D	AR-1260-1 #2	yogesh	3/19/2025 8:00:45 AM			Peak Integrated by Software
Q1572-12DL2	PO109966.D	AR-1260-5	yogesh	3/19/2025 8:00:45 AM			Peak Integrated by Software
AR1660CCC500	PO109967.D	AR-1016-5	yogesh	3/19/2025 8:00:46 AM			Peak Integrated by Software
AR1660CCC500	PO109967.D	AR-1016-5 #2	yogesh	3/19/2025 8:00:46 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP070422.D	Decachlorobiphenyl #2	yogesh	3/12/2025 7:57:06 AM	Ankita	3/12/2025 10:45:04	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-1	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-3	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-4	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1260-4 #2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1260-5 #2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1232ICC250	PP070428.D	AR-1232-5	yogesh	3/12/2025 7:57:09 AM	Ankita	3/12/2025 10:45:07	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-1 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-2 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-3	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-4	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1232ICC050	PP070429.D	AR-1232-5	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-5 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-1	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-1 #2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-2 #2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-3	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-4	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1248ICC050	PP070439.D	AR-1248-1	yogesh	3/12/2025 7:57:14 AM	Ankita	3/12/2025 10:45:19	Peak Integrated by Software
AR1248ICC050	PP070439.D	AR-1248-2	yogesh	3/12/2025 7:57:14 AM	Ankita	3/12/2025 10:45:19	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-1 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-2 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-3 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP070465.D	AR-1242-5	yogesh	3/12/2025 7:57:17 AM	Ankita	3/12/2025 10:45:22	Peak Integrated by Software
AR1242CCC500	PP070465.D	AR-1242-5 #2	yogesh	3/12/2025 7:57:17 AM	Ankita	3/12/2025 10:45:22	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP070500.D	AR-1016-5 #2	yogesh	3/17/2025 8:23:24 AM	mohammad	3/19/2025 6:36:42	Peak Integrated by Software
AR1660CCC500	PP070500.D	AR-1260-1	yogesh	3/17/2025 8:23:24 AM	mohammad	3/19/2025 6:36:42	Peak Integrated by Software
AR1660CCC500	PP070500.D	AR-1260-2	yogesh	3/17/2025 8:23:24 AM	mohammad	3/19/2025 6:36:42	Peak Integrated by Software
AR1660CCC500	PP070515.D	AR-1016-5 #2	yogesh	3/17/2025 8:23:46 AM	mohammad	3/19/2025 6:37:16	Peak Integrated by Software
AR1660CCC500	PP070515.D	AR-1260-1	yogesh	3/17/2025 8:23:46 AM	mohammad	3/19/2025 6:37:16	Peak Integrated by Software
AR1242CCC500	PP070544.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:05 AM	mohammad	3/19/2025 6:37:57	Peak Integrated by Software
PB167143BS	PP070549.D	AR-1260-4	yogesh	3/17/2025 8:24:07 AM	mohammad	3/19/2025 6:38:01	Peak Integrated by Software
Q1572-01	PP070552.D	AR-1248-3	yogesh	3/17/2025 8:24:10 AM	mohammad	3/19/2025 6:38:10	Peak Integrated by Software
Q1572-02	PP070553.D	AR-1248-3	yogesh	3/18/2025 10:22:34 AM	mohammad	3/19/2025 6:38:16	Peak Integrated by Software
Q1572-02	PP070553.D	AR-1260-1 #2	yogesh	3/18/2025 10:22:34 AM	mohammad	3/19/2025 6:38:16	Peak Integrated by Software
Q1572-03	PP070554.D	AR-1248-3	yogesh	3/17/2025 8:24:13 AM	mohammad	3/19/2025 6:38:20	Peak Integrated by Software
Q1572-03	PP070554.D	AR-1260-4	yogesh	3/17/2025 8:24:13 AM	mohammad	3/19/2025 6:38:20	Peak Integrated by Software
Q1572-04	PP070555.D	AR-1248-3	yogesh	3/17/2025 8:24:15 AM	mohammad	3/19/2025 6:38:23	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-05	PP070556.D	AR-1260-1 #2	yogesh	3/18/2025 10:22:35 AM	mohammad	3/19/2025 6:38:27	Peak Integrated by Software
Q1572-05	PP070556.D	Decachlorobiphenyl	yogesh	3/18/2025 10:22:35 AM	mohammad	3/19/2025 6:38:27	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1221-1	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1221-2	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1221-2 #2	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1221-3	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1248-1	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1248-1 #2	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1248-3	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-07	PP070557.D	AR-1260-1 #2	yogesh	3/18/2025 10:22:37 AM	mohammad	3/19/2025 6:38:31	Peak Integrated by Software
Q1572-06	PP070563.D	AR-1221-3 #2	yogesh	3/17/2025 8:24:21 AM	mohammad	3/19/2025 6:38:34	Peak Integrated by Software
Q1572-06	PP070563.D	AR-1248-3	yogesh	3/17/2025 8:24:21 AM	mohammad	3/19/2025 6:38:34	Peak Integrated by Software
Q1572-06	PP070563.D	AR-1260-1 #2	yogesh	3/17/2025 8:24:21 AM	mohammad	3/19/2025 6:38:34	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-06	PP070563.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:21 AM	mohammad	3/19/2025 6:38:34	Peak Integrated by Software
Q1572-06	PP070563.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:24:21 AM	mohammad	3/19/2025 6:38:34	Peak Integrated by Software
Q1572-06MS	PP070564.D	AR-1016-5	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	AR-1248-3	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	AR-1260-1 #2	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1016-5	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1221-2	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1248-3	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1260-1 #2	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-08	PP070566.D	AR-1248-3	yogesh	3/17/2025 8:24:26 AM	mohammad	3/19/2025 6:38:46	Peak Integrated by Software
Q1572-08	PP070566.D	AR-1260-1 #2	yogesh	3/17/2025 8:24:26 AM	mohammad	3/19/2025 6:38:46	Peak Integrated by Software
Q1572-08	PP070566.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:26 AM	mohammad	3/19/2025 6:38:46	Peak Integrated by Software
Q1572-09	PP070567.D	AR-1248-3	yogesh	3/17/2025 8:24:28 AM	mohammad	3/19/2025 6:38:50	Peak Integrated by Software
Q1572-09	PP070567.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:28 AM	mohammad	3/19/2025 6:38:50	Peak Integrated by Software
Q1572-09	PP070567.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:24:28 AM	mohammad	3/19/2025 6:38:50	Peak Integrated by Software

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-01DL	PP070579.D	Tetrachloro-m-xylene #2	yogesh	3/18/2025 8:01:20 AM	mohammad	3/19/2025 6:45:35	Peak Integrated by Software
Q1572-05DL	PP070587.D	AR-1260-1 #2	yogesh	3/18/2025 8:01:22 AM	mohammad	3/19/2025 6:45:38	Peak Integrated by Software
Q1572-05DL	PP070587.D	AR-1260-5 #2	yogesh	3/18/2025 8:01:22 AM	mohammad	3/19/2025 6:45:38	Peak Integrated by Software
Q1572-05DL2	PP070588.D	AR-1260-1 #2	yogesh	3/18/2025 8:01:24 AM	mohammad	3/19/2025 6:45:42	Peak Integrated by Software
Q1572-05DL2	PP070588.D	AR-1260-5 #2	yogesh	3/18/2025 8:01:24 AM	mohammad	3/19/2025 6:45:42	Peak Integrated by Software
Q1572-07DL	PP070596.D	AR-1248-1	yogesh	3/18/2025 8:01:25 AM	mohammad	3/19/2025 6:45:44	Peak Integrated by Software
Q1572-07DL	PP070596.D	AR-1248-1 #2	yogesh	3/18/2025 8:01:25 AM	mohammad	3/19/2025 6:45:44	Peak Integrated by Software
Q1572-06DL	PP070597.D	AR-1260-1 #2	yogesh	3/18/2025 8:01:27 AM	mohammad	3/19/2025 6:45:48	Peak Integrated by Software
Q1572-06DL	PP070597.D	AR-1260-5 #2	yogesh	3/18/2025 8:01:27 AM	mohammad	3/19/2025 6:45:48	Peak Integrated by Software
Q1572-06DL	PP070597.D	Decachlorobiphenyl	yogesh	3/18/2025 8:01:27 AM	mohammad	3/19/2025 6:45:48	Peak Integrated by Software
Q1572-06DL	PP070597.D	Decachlorobiphenyl #2	yogesh	3/18/2025 8:01:27 AM	mohammad	3/19/2025 6:45:48	Peak Integrated by Software
Q1572-08DL	PP070599.D	Decachlorobiphenyl	yogesh	3/18/2025 8:01:31 AM	mohammad	3/19/2025 6:45:53	Peak Integrated by Software
Q1572-08DL	PP070599.D	Tetrachloro-m-xylene	yogesh	3/18/2025 8:01:31 AM	mohammad	3/19/2025 6:45:53	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070641.D	AR-1254-1	yogesh	3/19/2025 7:59:44 AM			Peak Integrated by Software
AR1254CCC500	PP070641.D	AR-1254-2	yogesh	3/19/2025 7:59:44 AM			Peak Integrated by Software
AR1254CCC500	PP070641.D	AR-1254-3	yogesh	3/19/2025 7:59:44 AM			Peak Integrated by Software
I.BLK	PP070642.D	Decachlorobiphenyl #2	yogesh	3/19/2025 7:59:46 AM			Peak Integrated by Software
Q1572-06DL2	PP070646.D	AR-1260-1 #2	yogesh	3/19/2025 7:59:51 AM			Peak Integrated by Software
Q1572-06DL2	PP070646.D	AR-1260-5 #2	yogesh	3/19/2025 7:59:51 AM			Peak Integrated by Software
AR1660CCC500	PP070647.D	AR-1016-5 #2	yogesh	3/19/2025 7:59:52 AM			Peak Integrated by Software
AR1242CCC500	PP070648.D	AR-1242-5	yogesh	3/19/2025 7:59:56 AM			Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-1	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-1 #2	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-2	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-2 #2	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-3	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070650.D	AR-1254-4	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software
AR1254CCC500	PP070650.D	AR-1254-5	yogesh	3/19/2025 7:59:58 AM			Peak Integrated by Software
AR1660CCC500	PP070662.D	AR-1016-5 #2	yogesh	3/19/2025 8:00:08 AM			Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-1	yogesh	3/19/2025 8:00:10 AM			Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-1 #2	yogesh	3/19/2025 8:00:10 AM			Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-2	yogesh	3/19/2025 8:00:10 AM			Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-2 #2	yogesh	3/19/2025 8:00:10 AM			Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-3	yogesh	3/19/2025 8:00:10 AM			Peak Integrated by Software
AR1254CCC500	PP070665.D	AR-1254-4	yogesh	3/19/2025 8:00:10 AM			Peak Integrated by Software
AR1242CCC500	PP070678.D	AR-1242-5	yogesh	3/19/2025 8:00:16 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-1	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-1 #2	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-2	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP031825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070680.D	AR-1254-2 #2	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-3	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-3 #2	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-4	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software
AR1254CCC500	PP070680.D	AR-1254-5	yogesh	3/19/2025 8:00:17 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109424.D	20 Feb 2025 16:09	YP/AJ	Ok
2	I.BLK	PO109425.D	20 Feb 2025 16:28	YP/AJ	Ok
3	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46	YP/AJ	Ok
4	AR1660ICC750	PO109427.D	20 Feb 2025 17:04	YP/AJ	Ok
5	AR1660ICC500	PO109428.D	20 Feb 2025 17:23	YP/AJ	Ok
6	AR1660ICC250	PO109429.D	20 Feb 2025 17:41	YP/AJ	Ok
7	AR1660ICC050	PO109430.D	20 Feb 2025 17:59	YP/AJ	Ok
8	AR1221ICC500	PO109431.D	20 Feb 2025 18:18	YP/AJ	Ok
9	AR1232ICC500	PO109432.D	20 Feb 2025 18:36	YP/AJ	Ok
10	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55	YP/AJ	Ok
11	AR1242ICC750	PO109434.D	20 Feb 2025 19:13	YP/AJ	Ok
12	AR1242ICC500	PO109435.D	20 Feb 2025 19:31	YP/AJ	Ok
13	AR1242ICC250	PO109436.D	20 Feb 2025 19:50	YP/AJ	Ok
14	AR1242ICC050	PO109437.D	20 Feb 2025 20:08	YP/AJ	Ok,M
15	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26	YP/AJ	Ok
16	AR1248ICC750	PO109439.D	20 Feb 2025 20:45	YP/AJ	Ok
17	AR1248ICC500	PO109440.D	20 Feb 2025 21:03	YP/AJ	Ok
18	AR1248ICC250	PO109441.D	20 Feb 2025 21:21	YP/AJ	Ok
19	AR1248ICC050	PO109442.D	20 Feb 2025 21:40	YP/AJ	Ok,M
20	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58	YP/AJ	Ok
21	AR1254ICC750	PO109444.D	20 Feb 2025 22:17	YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109445.D	20 Feb 2025 22:35	YP/AJ	Ok
23	AR1254ICC250	PO109446.D	20 Feb 2025 22:53	YP/AJ	Ok
24	AR1254ICC050	PO109447.D	20 Feb 2025 23:12	YP/AJ	Ok,M
25	AR1262ICC500	PO109448.D	20 Feb 2025 23:30	YP/AJ	Ok
26	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48	YP/AJ	Ok
27	AR1268ICC750	PO109450.D	21 Feb 2025 00:07	YP/AJ	Ok
28	AR1268ICC500	PO109451.D	21 Feb 2025 00:25	YP/AJ	Ok
29	AR1268ICC250	PO109452.D	21 Feb 2025 00:43	YP/AJ	Ok
30	AR1268ICC050	PO109453.D	21 Feb 2025 01:02	YP/AJ	Ok
31	PO022025ICV500	PO109454.D	21 Feb 2025 01:20	YP/AJ	Ok
32	AR1242ICV500	PO109455.D	21 Feb 2025 01:38	YP/AJ	Ok
33	AR1248ICV500	PO109456.D	21 Feb 2025 01:57	YP/AJ	Ok
34	AR1254ICV500	PO109457.D	21 Feb 2025 02:15	YP/AJ	Ok
35	AR1268ICV500	PO109458.D	21 Feb 2025 02:34	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031425

Review By	yogesh	Review On	3/17/2025 8:29:33 AM	
Supervise By	mohammad	Supervise On	3/19/2025 6:42:20 AM	
SubDirectory	PO031425	HP Acquire Method		HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109874.D	14 Mar 2025 07:43	YP/AJ	Ok
2	AR1660CCC500	PO109875.D	14 Mar 2025 08:02	YP/AJ	Ok,M
3	AR1242CCC500	PO109876.D	14 Mar 2025 08:20	YP/AJ	Ok
4	AR1248CCC500	PO109877.D	14 Mar 2025 08:38	YP/AJ	Ok
5	AR1254CCC500	PO109878.D	14 Mar 2025 08:57	YP/AJ	Ok,M
6	I.BLK	PO109879.D	14 Mar 2025 09:15	YP/AJ	Ok
7	PB167130BL	PO109880.D	14 Mar 2025 09:33	YP/AJ	Ok
8	Q1562-09	PO109881.D	14 Mar 2025 09:52	YP/AJ	Ok
9	Q1562-10	PO109882.D	14 Mar 2025 10:10	YP/AJ	Ok
10	Q1562-11	PO109883.D	14 Mar 2025 10:28	YP/AJ	Ok,M
11	Q1562-12	PO109884.D	14 Mar 2025 10:47	YP/AJ	Ok,M
12	Q1562-13	PO109885.D	14 Mar 2025 11:05	YP/AJ	Ok
13	Q1562-14	PO109886.D	14 Mar 2025 11:23	YP/AJ	Ok,M
14	Q1565-01DL	PO109887.D	14 Mar 2025 11:42	YP/AJ	Ok,M
15	Q1565-02DL	PO109888.D	14 Mar 2025 12:00	YP/AJ	Ok
16	Q1553-01DL	PO109889.D	14 Mar 2025 12:18	YP/AJ	Ok,M
17	AR1660CCC500	PO109890.D	14 Mar 2025 14:49	YP/AJ	Ok
18	AR1242CCC500	PO109891.D	14 Mar 2025 15:30	YP/AJ	Ok
19	AR1248CCC500	PO109892.D	14 Mar 2025 15:49	YP/AJ	Ok
20	AR1254CCC500	PO109893.D	14 Mar 2025 16:07	YP/AJ	Ok,M
21	I.BLK	PO109894.D	14 Mar 2025 16:25	YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031425

Review By	yogesh	Review On	3/17/2025 8:29:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:42:20 AM		
SubDirectory	PO031425	HP Acquire Method		HP Processing Method	

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	PB167143BL	PO109895.D	14 Mar 2025 16:44	YP/AJ	Not Ok
23	Q1572-10	PO109896.D	14 Mar 2025 17:02	YP/AJ	Dilution
24	Q1572-11	PO109897.D	14 Mar 2025 17:21	YP/AJ	Dilution
25	Q1572-12	PO109898.D	14 Mar 2025 17:39	YP/AJ	Dilution
26	Q1572-13	PO109899.D	14 Mar 2025 17:57	YP/AJ	Ok
27	Q1572-14	PO109900.D	14 Mar 2025 18:16	YP/AJ	Ok
28	Q1572-15	PO109901.D	14 Mar 2025 18:34	YP/AJ	Ok
29	Q1572-16	PO109902.D	14 Mar 2025 18:52	YP/AJ	Ok,M
30	Q1574-01	PO109903.D	14 Mar 2025 19:10	YP/AJ	Not Ok
31	AR1660CCC500	PO109904.D	14 Mar 2025 21:22	YP/AJ	Ok,M
32	AR1242CCC500	PO109905.D	14 Mar 2025 22:17	YP/AJ	Ok,M
33	AR1248CCC500	PO109906.D	14 Mar 2025 22:36	YP/AJ	Ok
34	AR1254CCC500	PO109907.D	14 Mar 2025 22:54	YP/AJ	Ok
35	I.BLK	PO109908.D	14 Mar 2025 23:12	YP/AJ	Ok
36	PB167146BL	PO109909.D	14 Mar 2025 23:31	YP/AJ	Ok
37	PB167146BS	PO109910.D	14 Mar 2025 23:49	YP/AJ	Ok
38	Q1578-01	PO109911.D	15 Mar 2025 00:08	YP/AJ	Ok,M
39	Q1578-02	PO109912.D	15 Mar 2025 00:26	YP/AJ	Ok,M
40	Q1579-01	PO109913.D	15 Mar 2025 00:44	YP/AJ	Ok,M
41	Q1579-02	PO109914.D	15 Mar 2025 01:02	YP/AJ	Ok,M
42	Q1579-03	PO109915.D	15 Mar 2025 01:21	YP/AJ	Ok,M
43	Q1579-04	PO109916.D	15 Mar 2025 01:39	YP/AJ	Ok,M
44	AR1660CCC500	PO109917.D	15 Mar 2025 03:51	YP/AJ	Ok,M

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031425

Review By	yogesh	Review On	3/17/2025 8:29:33 AM	
Supervise By	mohammad	Supervise On	3/19/2025 6:42:20 AM	
SubDirectory	PO031425	HP Acquire Method		HP Processing Method

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	AR1242CCC500	PO109918.D	15 Mar 2025 04:46	YP/AJ	Ok
46	AR1248CCC500	PO109919.D	15 Mar 2025 05:05	YP/AJ	Ok
47	AR1254CCC500	PO109920.D	15 Mar 2025 05:23	YP/AJ	Ok,M
48	I.BLK	PO109921.D	15 Mar 2025 05:41	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM	
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM	
SubDirectory	PO031725	HP Acquire Method		HP Processing Method

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	PO109922.D	17 Mar 2025 08:55	YP/AJ	Ok
2	AR1660CCC500	PO109923.D	17 Mar 2025 09:13	YP/AJ	Ok
3	AR1242CCC500	PO109924.D	17 Mar 2025 09:31	YP/AJ	Ok
4	AR1248CCC500	PO109925.D	17 Mar 2025 09:49	YP/AJ	Ok
5	AR1254CCC500	PO109926.D	17 Mar 2025 10:07	YP/AJ	Ok
6	I.BLK	PO109927.D	17 Mar 2025 10:26	YP/AJ	Ok
7	PB167143BL	PO109928.D	17 Mar 2025 10:44	YP/AJ	Not Ok
8	Q1574-01	PO109929.D	17 Mar 2025 11:02	YP/AJ	Dilution
9	Q1574-01DL	PO109930.D	17 Mar 2025 11:20	YP/AJ	Ok,M
10	Q1572-10DL	PO109931.D	17 Mar 2025 13:08	YP/AJ	Ok
11	Q1572-11DL	PO109932.D	17 Mar 2025 13:27	YP/AJ	Ok,M
12	Q1572-12DL	PO109933.D	17 Mar 2025 13:45	YP/AJ	Dilution
13	Q1572-12DL2	PO109934.D	17 Mar 2025 14:03	YP/AJ	Not Ok
14	AR1660CCC500	PO109935.D	17 Mar 2025 16:28	YP/AJ	Ok
15	AR1242CCC500	PO109936.D	17 Mar 2025 16:47	YP/AJ	Ok
16	AR1248CCC500	PO109937.D	17 Mar 2025 17:06	YP/AJ	Ok
17	AR1254CCC500	PO109938.D	17 Mar 2025 17:24	YP/AJ	Ok
18	I.BLK	PO109939.D	17 Mar 2025 17:42	YP/AJ	Ok
19	PB167173BL	PO109940.D	17 Mar 2025 18:01	YP/AJ	Ok
20	PB167173BS	PO109941.D	17 Mar 2025 18:19	YP/AJ	Ok
21	Q1589-01	PO109942.D	17 Mar 2025 18:38	YP/AJ	Ok,M

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM	
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM	
SubDirectory	PO031725	HP Acquire Method		HP Processing Method

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	Q1589-02	PO109943.D	17 Mar 2025 18:55	YP/AJ	Ok
23	Q1589-03	PO109944.D	17 Mar 2025 19:13	YP/AJ	Ok,M
24	Q1589-04	PO109945.D	17 Mar 2025 19:32	YP/AJ	Ok
25	Q1589-05	PO109946.D	17 Mar 2025 19:50	YP/AJ	Ok,M
26	Q1589-06	PO109947.D	17 Mar 2025 20:08	YP/AJ	Ok
27	Q1589-07	PO109948.D	17 Mar 2025 20:27	YP/AJ	Ok,M
28	Q1589-08	PO109949.D	17 Mar 2025 20:45	YP/AJ	Ok,M
29	AR1660CCC500	PO109950.D	17 Mar 2025 22:43	YP/AJ	Ok
30	AR1242CCC500	PO109951.D	17 Mar 2025 23:38	YP/AJ	Ok
31	AR1248CCC500	PO109952.D	17 Mar 2025 23:57	YP/AJ	Ok
32	AR1254CCC500	PO109953.D	18 Mar 2025 00:15	YP/AJ	Ok,M
33	I.BLK	PO109954.D	18 Mar 2025 00:33	YP/AJ	Ok
34	Q1589-09	PO109955.D	18 Mar 2025 00:52	YP/AJ	Ok,M
35	Q1589-10	PO109956.D	18 Mar 2025 01:10	YP/AJ	Ok,M
36	AR1660CCC500	PO109957.D	18 Mar 2025 03:07	YP/AJ	Ok
37	AR1242CCC500	PO109958.D	18 Mar 2025 04:03	YP/AJ	Ok
38	AR1248CCC500	PO109959.D	18 Mar 2025 04:21	YP/AJ	Ok
39	AR1254CCC500	PO109960.D	18 Mar 2025 04:39	YP/AJ	Ok,M
40	I.BLK	PO109961.D	18 Mar 2025 04:58	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031825

Review By	yogesh	Review On	3/18/2025 10:25:20 AM		
Supervise By		Supervise On			
SubDirectory	PO031825	HP Acquire Method		HP Processing Method	

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	PO109962.D	18 Mar 2025 07:48	YP/AJ	Ok
2	AR1660CCC500	PO109963.D	18 Mar 2025 08:06	YP/AJ	Ok
3	AR1248CCC500	PO109964.D	18 Mar 2025 08:42	YP/AJ	Ok
4	I.BLK	PO109965.D	18 Mar 2025 09:00	YP/AJ	Ok
5	Q1572-12DL2	PO109966.D	18 Mar 2025 09:19	YP/AJ	Ok,NS
6	AR1660CCC500	PO109967.D	18 Mar 2025 09:55	YP/AJ	Ok,NS
7	AR1248CCC500	PO109968.D	18 Mar 2025 10:14	YP/AJ	Ok
8	I.BLK	PO109969.D	18 Mar 2025 10:32	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 # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070417.D	11 Mar 2025 14:41	YP\AJ	Ok
2	I.BLK	PP070418.D	11 Mar 2025 14:57	YP\AJ	Ok
3	AR1660ICC1000	PP070419.D	11 Mar 2025 15:13	YP\AJ	Ok
4	AR1660ICC750	PP070420.D	11 Mar 2025 15:29	YP\AJ	Ok
5	AR1660ICC500	PP070421.D	11 Mar 2025 15:46	YP\AJ	Ok
6	AR1660ICC250	PP070422.D	11 Mar 2025 16:02	YP\AJ	Ok,M
7	AR1660ICC050	PP070423.D	11 Mar 2025 16:18	YP\AJ	Ok,M
8	AR1221ICC500	PP070424.D	11 Mar 2025 16:34	YP\AJ	Ok
9	AR1232ICC1000	PP070425.D	11 Mar 2025 16:51	YP\AJ	Ok
10	AR1232ICC750	PP070426.D	11 Mar 2025 17:07	YP\AJ	Ok
11	AR1232ICC500	PP070427.D	11 Mar 2025 17:23	YP\AJ	Ok
12	AR1232ICC250	PP070428.D	11 Mar 2025 17:40	YP\AJ	Ok,M
13	AR1232ICC050	PP070429.D	11 Mar 2025 17:56	YP\AJ	Ok,M
14	AR1242ICC1000	PP070430.D	11 Mar 2025 18:12	YP\AJ	Ok
15	AR1242ICC750	PP070431.D	11 Mar 2025 18:28	YP\AJ	Ok
16	AR1242ICC500	PP070432.D	11 Mar 2025 18:45	YP\AJ	Ok
17	AR1242ICC250	PP070433.D	11 Mar 2025 19:01	YP\AJ	Ok
18	AR1242ICC050	PP070434.D	11 Mar 2025 19:17	YP\AJ	Ok,M
19	AR1248ICC1000	PP070435.D	11 Mar 2025 19:34	YP\AJ	Ok
20	AR1248ICC750	PP070436.D	11 Mar 2025 19:50	YP\AJ	Ok
21	AR1248ICC500	PP070437.D	11 Mar 2025 20:06	YP\AJ	Ok

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 # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP070438.D	11 Mar 2025 20:22	YP\AJ	Ok
23	AR1248ICC050	PP070439.D	11 Mar 2025 20:39	YP\AJ	Ok,M
24	AR1254ICC1000	PP070440.D	11 Mar 2025 20:55	YP\AJ	Ok
25	AR1254ICC750	PP070441.D	11 Mar 2025 21:11	YP\AJ	Ok
26	AR1254ICC500	PP070442.D	11 Mar 2025 21:28	YP\AJ	Ok
27	AR1254ICC250	PP070443.D	11 Mar 2025 21:44	YP\AJ	Ok
28	AR1254ICC050	PP070444.D	11 Mar 2025 22:00	YP\AJ	Ok
29	AR1262ICC500	PP070445.D	11 Mar 2025 22:16	YP\AJ	Ok
30	AR1268ICC1000	PP070446.D	11 Mar 2025 22:33	YP\AJ	Ok
31	AR1268ICC750	PP070447.D	11 Mar 2025 22:49	YP\AJ	Ok
32	AR1268ICC500	PP070448.D	11 Mar 2025 23:05	YP\AJ	Ok
33	AR1268ICC250	PP070449.D	11 Mar 2025 23:22	YP\AJ	Ok
34	AR1268ICC050	PP070450.D	11 Mar 2025 23:38	YP\AJ	Ok,M
35	PP031125ICV500	PP070451.D	11 Mar 2025 23:54	YP\AJ	Ok
36	AR1232ICV500	PP070452.D	12 Mar 2025 00:10	YP\AJ	Ok
37	AR1242ICV500	PP070453.D	12 Mar 2025 00:27	YP\AJ	Ok
38	AR1248ICV500	PP070454.D	12 Mar 2025 00:43	YP\AJ	Ok
39	AR1254ICV500	PP070455.D	12 Mar 2025 00:59	YP\AJ	Ok
40	AR1268ICV500	PP070456.D	12 Mar 2025 01:16	YP\AJ	Ok
41	AR1660CCC500	PP070457.D	12 Mar 2025 01:32	YP\AJ	Ok
42	AR1232CCC500	PP070458.D	12 Mar 2025 01:48	YP\AJ	Ok
43	AR1242CCC500	PP070459.D	12 Mar 2025 02:04	YP\AJ	Ok
44	I.BLK	PP070460.D	12 Mar 2025 02:21	YP\AJ	Ok

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 # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB167066BL	PP070461.D	12 Mar 2025 02:37	YP\AJ	Ok
46	Q1502-15	PP070462.D	12 Mar 2025 02:53	YP\AJ	Ok
47	AR1660CCC500	PP070463.D	12 Mar 2025 03:09	YP\AJ	Ok
48	AR1232CCC500	PP070464.D	12 Mar 2025 03:26	YP\AJ	Ok
49	AR1242CCC500	PP070465.D	12 Mar 2025 03:42	YP\AJ	Ok,M
50	I.BLK	PP070466.D	12 Mar 2025 03:58	YP\AJ	Ok

M : Manual Integration

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 # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070499.D	14 Mar 2025 07:42	YP\AJ	Ok
2	AR1660CCC500	PP070500.D	14 Mar 2025 07:58	YP\AJ	Ok,M
3	AR1242CCC500	PP070501.D	14 Mar 2025 08:14	YP\AJ	Ok
4	AR1248CCC500	PP070502.D	14 Mar 2025 08:31	YP\AJ	Ok
5	AR1254CCC500	PP070503.D	14 Mar 2025 08:47	YP\AJ	Ok
6	I.BLK	PP070504.D	14 Mar 2025 09:03	YP\AJ	Ok
7	PB167130BL	PP070505.D	14 Mar 2025 09:21	YP\AJ	Ok
8	PB167130BS	PP070506.D	14 Mar 2025 09:37	YP\AJ	Ok
9	Q1562-01	PP070507.D	14 Mar 2025 09:53	YP\AJ	Ok,M
10	Q1562-02	PP070508.D	14 Mar 2025 10:09	YP\AJ	Ok,M
11	Q1562-03	PP070509.D	14 Mar 2025 10:26	YP\AJ	Ok,M
12	Q1562-04	PP070510.D	14 Mar 2025 10:42	YP\AJ	Ok,M
13	Q1562-05	PP070511.D	14 Mar 2025 10:58	YP\AJ	Ok,M
14	Q1562-06	PP070512.D	14 Mar 2025 11:14	YP\AJ	Ok,M
15	Q1562-07	PP070513.D	14 Mar 2025 11:31	YP\AJ	Ok,M
16	Q1562-08	PP070514.D	14 Mar 2025 11:47	YP\AJ	Ok,M
17	AR1660CCC500	PP070515.D	14 Mar 2025 12:36	YP\AJ	Ok,M
18	AR1242CCC500	PP070516.D	14 Mar 2025 12:52	YP\AJ	Ok
19	AR1248CCC500	PP070517.D	14 Mar 2025 13:08	YP\AJ	Ok
20	AR1254CCC500	PP070518.D	14 Mar 2025 13:24	YP\AJ	Ok
21	I.BLK	PP070519.D	14 Mar 2025 13:41	YP\AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1564-04	PP070520.D	14 Mar 2025 13:57	YP\AJ	Ok,M
23	Q1564-05	PP070521.D	14 Mar 2025 14:13	YP\AJ	Ok,M
24	Q1564-06	PP070522.D	14 Mar 2025 14:29	YP\AJ	Ok,M
25	Q1564-01	PP070523.D	14 Mar 2025 14:45	YP\AJ	Ok,M
26	Q1564-02	PP070524.D	14 Mar 2025 15:02	YP\AJ	Ok,M
27	Q1564-03	PP070525.D	14 Mar 2025 15:18	YP\AJ	Ok,M
28	PB167139BL	PP070526.D	14 Mar 2025 15:34	YP\AJ	Ok
29	PB167139BS	PP070527.D	14 Mar 2025 15:50	YP\AJ	Ok
30	PB167139BSD	PP070528.D	14 Mar 2025 16:06	YP\AJ	Ok
31	AR1660CCC500	PP070529.D	14 Mar 2025 16:55	YP\AJ	Ok
32	AR1242CCC500	PP070530.D	14 Mar 2025 17:11	YP\AJ	Ok
33	AR1248CCC500	PP070531.D	14 Mar 2025 17:28	YP\AJ	Ok
34	AR1254CCC500	PP070532.D	14 Mar 2025 17:44	YP\AJ	Ok
35	I.BLK	PP070533.D	14 Mar 2025 18:00	YP\AJ	Ok
36	Q1553-03	PP070534.D	14 Mar 2025 18:16	YP\AJ	Ok,M
37	Q1563-01	PP070535.D	14 Mar 2025 18:33	YP\AJ	Ok
38	Q1563-02	PP070536.D	14 Mar 2025 18:49	YP\AJ	Ok,M
39	PB167136BL	PP070537.D	14 Mar 2025 19:05	YP\AJ	Ok
40	PB167136BS	PP070538.D	14 Mar 2025 19:21	YP\AJ	Ok
41	Q1566-01	PP070539.D	14 Mar 2025 19:38	YP\AJ	Ok
42	Q1568-01	PP070540.D	14 Mar 2025 19:54	YP\AJ	Ok
43	Q1568-01MS	PP070541.D	14 Mar 2025 20:10	YP\AJ	Ok
44	Q1568-01MSD	PP070542.D	14 Mar 2025 20:26	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 # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1660CCC500	PP070543.D	14 Mar 2025 21:15	YP\AJ	Ok
46	AR1242CCC500	PP070544.D	14 Mar 2025 21:31	YP\AJ	Ok,M
47	AR1248CCC500	PP070545.D	14 Mar 2025 21:48	YP\AJ	Ok
48	AR1254CCC500	PP070546.D	14 Mar 2025 22:04	YP\AJ	Ok
49	I.BLK	PP070547.D	14 Mar 2025 22:20	YP\AJ	Ok
50	PB167143BL	PP070548.D	14 Mar 2025 22:36	YP\AJ	Ok
51	PB167143BS	PP070549.D	14 Mar 2025 22:52	YP\AJ	Ok,M
52	Q1569-01	PP070550.D	14 Mar 2025 23:09	YP\AJ	Ok
53	Q1569-04	PP070551.D	14 Mar 2025 23:25	YP\AJ	Ok,M
54	Q1572-01	PP070552.D	14 Mar 2025 23:41	YP\AJ	Dilution
55	Q1572-02	PP070553.D	14 Mar 2025 23:57	YP\AJ	Dilution
56	Q1572-03	PP070554.D	15 Mar 2025 00:14	YP\AJ	Dilution
57	Q1572-04	PP070555.D	15 Mar 2025 00:30	YP\AJ	Dilution
58	Q1572-05	PP070556.D	15 Mar 2025 00:46	YP\AJ	Dilution
59	Q1572-07	PP070557.D	15 Mar 2025 01:02	YP\AJ	Dilution
60	AR1660CCC500	PP070558.D	15 Mar 2025 01:51	YP\AJ	Ok
61	AR1242CCC500	PP070559.D	15 Mar 2025 02:07	YP\AJ	Ok
62	AR1248CCC500	PP070560.D	15 Mar 2025 02:24	YP\AJ	Ok
63	AR1254CCC500	PP070561.D	15 Mar 2025 02:40	YP\AJ	Ok
64	I.BLK	PP070562.D	15 Mar 2025 02:56	YP\AJ	Ok
65	Q1572-06	PP070563.D	15 Mar 2025 03:12	YP\AJ	Dilution
66	Q1572-06MS	PP070564.D	15 Mar 2025 03:29	YP\AJ	Ok,M
67	Q1572-06MSD	PP070565.D	15 Mar 2025 03:45	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 # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

68	Q1572-08	PP070566.D	15 Mar 2025 04:01	YP\AJ	Dilution
69	Q1572-09	PP070567.D	15 Mar 2025 04:17	YP\AJ	Dilution
70	AR1660CCC500	PP070568.D	15 Mar 2025 05:06	YP\AJ	Ok
71	AR1242CCC500	PP070569.D	15 Mar 2025 05:22	YP\AJ	Ok
72	AR1248CCC500	PP070570.D	15 Mar 2025 05:39	YP\AJ	Ok
73	AR1254CCC500	PP070571.D	15 Mar 2025 05:55	YP\AJ	Ok
74	I.BLK	PP070572.D	15 Mar 2025 06:11	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 # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070573.D	17 Mar 2025 08:51	YP\AJ	Ok
2	AR1660CCC500	PP070574.D	17 Mar 2025 09:08	YP\AJ	Ok
3	AR1242CCC500	PP070575.D	17 Mar 2025 09:25	YP\AJ	Ok
4	AR1248CCC500	PP070576.D	17 Mar 2025 09:41	YP\AJ	Ok
5	AR1254CCC500	PP070577.D	17 Mar 2025 09:57	YP\AJ	Ok
6	I.BLK	PP070578.D	17 Mar 2025 10:13	YP\AJ	Ok
7	Q1572-01DL	PP070579.D	17 Mar 2025 10:30	YP\AJ	Dilution
8	Q1572-01DL2	PP070580.D	17 Mar 2025 10:46	YP\AJ	Ok
9	Q1572-02DL	PP070581.D	17 Mar 2025 11:02	YP\AJ	Dilution
10	Q1572-02DL2	PP070582.D	17 Mar 2025 11:18	YP\AJ	Ok
11	Q1572-03DL	PP070583.D	17 Mar 2025 11:35	YP\AJ	Dilution
12	Q1572-03DL2	PP070584.D	17 Mar 2025 11:51	YP\AJ	Ok
13	Q1572-04DL	PP070585.D	17 Mar 2025 12:07	YP\AJ	Dilution
14	Q1572-04DL2	PP070586.D	17 Mar 2025 12:23	YP\AJ	Ok
15	Q1572-05DL	PP070587.D	17 Mar 2025 12:40	YP\AJ	Dilution
16	Q1572-05DL2	PP070588.D	17 Mar 2025 12:56	YP\AJ	Ok,M
17	AR1660CCC500	PP070589.D	17 Mar 2025 14:00	YP\AJ	Ok
18	AR1242CCC500	PP070590.D	17 Mar 2025 14:17	YP\AJ	Ok
19	AR1248CCC500	PP070591.D	17 Mar 2025 14:33	YP\AJ	Ok
20	AR1254CCC500	PP070592.D	17 Mar 2025 14:49	YP\AJ	Ok
21	I.BLK	PP070593.D	17 Mar 2025 15:05	YP\AJ	Ok

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 # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB167154BL	PP070594.D	17 Mar 2025 15:22	YP\AJ	Ok
23	PB167154BS	PP070595.D	17 Mar 2025 15:38	YP\AJ	Ok
24	Q1572-07DL	PP070596.D	17 Mar 2025 15:54	YP\AJ	Ok,M
25	Q1572-06DL	PP070597.D	17 Mar 2025 16:10	YP\AJ	Dilution
26	Q1572-06DL2	PP070598.D	17 Mar 2025 16:27	YP\AJ	Not Ok
27	Q1572-08DL	PP070599.D	17 Mar 2025 16:43	YP\AJ	Ok,M
28	Q1572-09DL	PP070600.D	17 Mar 2025 16:59	YP\AJ	Ok
29	Q1573-01	PP070601.D	17 Mar 2025 17:15	YP\AJ	Ok,M
30	Q1573-01MS	PP070602.D	17 Mar 2025 17:32	YP\AJ	Ok,M
31	Q1573-01MSD	PP070603.D	17 Mar 2025 17:48	YP\AJ	Ok,M
32	AR1660CCC500	PP070604.D	17 Mar 2025 18:37	YP\AJ	Ok
33	AR1242CCC500	PP070605.D	17 Mar 2025 18:53	YP\AJ	Ok
34	AR1248CCC500	PP070606.D	17 Mar 2025 19:09	YP\AJ	Ok
35	AR1254CCC500	PP070607.D	17 Mar 2025 19:25	YP\AJ	Ok
36	I.BLK	PP070608.D	17 Mar 2025 19:42	YP\AJ	Ok
37	Q1573-02	PP070609.D	17 Mar 2025 19:58	YP\AJ	Ok,M
38	Q1573-03	PP070610.D	17 Mar 2025 20:14	YP\AJ	ReRun
39	Q1573-04	PP070611.D	17 Mar 2025 20:30	YP\AJ	Ok,M
40	Q1573-05	PP070612.D	17 Mar 2025 20:47	YP\AJ	Ok,M
41	Q1573-06	PP070613.D	17 Mar 2025 21:03	YP\AJ	Ok
42	Q1573-07	PP070614.D	17 Mar 2025 21:19	YP\AJ	Ok,M
43	Q1573-08	PP070615.D	17 Mar 2025 21:35	YP\AJ	Ok,M
44	Q1573-09	PP070616.D	17 Mar 2025 21:52	YP\AJ	Ok,M

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 # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q1573-10	PP070617.D	17 Mar 2025 22:08	YP\AJ	Ok,M
46	Q1573-11	PP070618.D	17 Mar 2025 22:24	YP\AJ	ReRun
47	AR1660CCC500	PP070619.D	17 Mar 2025 23:13	YP\AJ	Ok
48	AR1242CCC500	PP070620.D	17 Mar 2025 23:29	YP\AJ	Ok
49	AR1248CCC500	PP070621.D	17 Mar 2025 23:45	YP\AJ	Ok
50	AR1254CCC500	PP070622.D	18 Mar 2025 00:02	YP\AJ	Ok
51	I.BLK	PP070623.D	18 Mar 2025 00:18	YP\AJ	Ok
52	Q1581-01	PP070624.D	18 Mar 2025 00:34	YP\AJ	Ok
53	Q1585-01	PP070625.D	18 Mar 2025 00:50	YP\AJ	Ok,M
54	PB167172BL	PP070626.D	18 Mar 2025 01:06	YP\AJ	Ok
55	PB167172BS	PP070627.D	18 Mar 2025 01:23	YP\AJ	Ok
56	PB167172BSD	PP070628.D	18 Mar 2025 01:39	YP\AJ	Ok,M
57	Q1573-12	PP070629.D	18 Mar 2025 01:55	YP\AJ	Ok
58	Q1573-13	PP070630.D	18 Mar 2025 02:11	YP\AJ	Ok
59	Q1577-03	PP070631.D	18 Mar 2025 02:28	YP\AJ	Ok,M
60	AR1660CCC500	PP070632.D	18 Mar 2025 03:16	YP\AJ	Ok
61	AR1242CCC500	PP070633.D	18 Mar 2025 03:32	YP\AJ	Ok
62	AR1248CCC500	PP070634.D	18 Mar 2025 03:49	YP\AJ	Ok
63	AR1254CCC500	PP070635.D	18 Mar 2025 04:05	YP\AJ	Ok
64	I.BLK	PP070636.D	18 Mar 2025 04:21	YP\AJ	Ok

M : Manual Integration

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 # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By		Supervise On			
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070637.D	18 Mar 2025 07:48	YP\AJ	Ok
2	AR1660CCC500	PP070638.D	18 Mar 2025 08:04	YP\AJ	Ok
3	AR1242CCC500	PP070639.D	18 Mar 2025 08:21	YP\AJ	Ok
4	AR1248CCC500	PP070640.D	18 Mar 2025 08:37	YP\AJ	Ok
5	AR1254CCC500	PP070641.D	18 Mar 2025 08:53	YP\AJ	Ok,NS
6	I.BLK	PP070642.D	18 Mar 2025 09:10	YP\AJ	Ok,NS
7	PP24328	PP070643.D	18 Mar 2025 09:26	YP\AJ	Ok
8	Q1573-03	PP070644.D	18 Mar 2025 09:42	YP\AJ	Ok,NS
9	Q1573-11	PP070645.D	18 Mar 2025 10:14	YP\AJ	Ok,NS
10	Q1572-06DL2	PP070646.D	18 Mar 2025 10:31	YP\AJ	Ok,NS
11	AR1660CCC500	PP070647.D	18 Mar 2025 11:19	YP\AJ	Ok,NS
12	AR1242CCC500	PP070648.D	18 Mar 2025 11:36	YP\AJ	Ok,NS
13	AR1248CCC500	PP070649.D	18 Mar 2025 11:52	YP\AJ	Ok
14	AR1254CCC500	PP070650.D	18 Mar 2025 12:08	YP\AJ	Ok,NS
15	I.BLK	PP070651.D	18 Mar 2025 12:24	YP\AJ	Ok
16	PB167186BL	PP070652.D	18 Mar 2025 15:02	YP\AJ	Ok
17	PB167186BS	PP070653.D	18 Mar 2025 15:18	YP\AJ	Ok
18	Q1591-02	PP070654.D	18 Mar 2025 15:35	YP\AJ	Ok,NS
19	Q1591-03	PP070655.D	18 Mar 2025 15:51	YP\AJ	Ok
20	Q1591-03MS	PP070656.D	18 Mar 2025 16:07	YP\AJ	Ok,NS
21	Q1591-03MSD	PP070657.D	18 Mar 2025 16:23	YP\AJ	Ok,NS

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 # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By		Supervise On			
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1592-01	PP070658.D	18 Mar 2025 16:40	YP\AJ	Ok
23	Q1590-01	PP070659.D	18 Mar 2025 16:56	YP\AJ	Ok
24	Q1590-02	PP070660.D	18 Mar 2025 17:12	YP\AJ	Ok,NS
25	Q1591-01	PP070661.D	18 Mar 2025 17:28	YP\AJ	Ok,NS
26	AR1660CCC500	PP070662.D	18 Mar 2025 18:17	YP\AJ	Ok,NS
27	AR1242CCC500	PP070663.D	18 Mar 2025 18:34	YP\AJ	Ok
28	AR1248CCC500	PP070664.D	18 Mar 2025 18:50	YP\AJ	Ok
29	AR1254CCC500	PP070665.D	18 Mar 2025 19:06	YP\AJ	Ok,NS
30	I.BLK	PP070666.D	18 Mar 2025 19:22	YP\AJ	Ok
31	PB167184BL	PP070667.D	18 Mar 2025 19:39	YP\AJ	Ok
32	PB167184BS	PP070668.D	18 Mar 2025 19:55	YP\AJ	Ok
33	PB167184BSD	PP070669.D	18 Mar 2025 20:11	YP\AJ	Ok
34	Q1591-04	PP070670.D	18 Mar 2025 20:27	YP\AJ	Ok
35	Q1591-05	PP070671.D	18 Mar 2025 20:44	YP\AJ	Ok,NS
36	Q1591-06	PP070672.D	18 Mar 2025 21:00	YP\AJ	Ok,NS
37	Q1592-03	PP070673.D	18 Mar 2025 21:16	YP\AJ	Ok,NS
38	Q1593-01	PP070674.D	18 Mar 2025 21:32	YP\AJ	Ok
39	Q1594-01	PP070675.D	18 Mar 2025 21:49	YP\AJ	Ok
40	Q1590-04	PP070676.D	18 Mar 2025 22:05	YP\AJ	Ok,NS
41	AR1660CCC500	PP070677.D	18 Mar 2025 22:54	YP\AJ	Ok
42	AR1242CCC500	PP070678.D	18 Mar 2025 23:10	YP\AJ	Ok,NS
43	AR1248CCC500	PP070679.D	18 Mar 2025 23:26	YP\AJ	Ok
44	AR1254CCC500	PP070680.D	18 Mar 2025 23:42	YP\AJ	Ok,NS

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 # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By		Supervise On			
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	I.BLK	PP070681.D	18 Mar 2025 23:59	YP\AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

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	PO109424.D	20 Feb 2025 16:09		YP/AJ	Ok
2	I.BLK	I.BLK	PO109425.D	20 Feb 2025 16:28		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO109427.D	20 Feb 2025 17:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO109428.D	20 Feb 2025 17:23		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO109429.D	20 Feb 2025 17:41		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO109430.D	20 Feb 2025 17:59		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO109431.D	20 Feb 2025 18:18		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO109432.D	20 Feb 2025 18:36		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO109434.D	20 Feb 2025 19:13		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO109435.D	20 Feb 2025 19:31		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO109436.D	20 Feb 2025 19:50		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO109437.D	20 Feb 2025 20:08		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO109439.D	20 Feb 2025 20:45		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO109440.D	20 Feb 2025 21:03		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO109441.D	20 Feb 2025 21:21		YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

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	PO109442.D	20 Feb 2025 21:40		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109444.D	20 Feb 2025 22:17		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109445.D	20 Feb 2025 22:35		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109446.D	20 Feb 2025 22:53		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109447.D	20 Feb 2025 23:12		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO109448.D	20 Feb 2025 23:30		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109450.D	21 Feb 2025 00:07		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109451.D	21 Feb 2025 00:25		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO109452.D	21 Feb 2025 00:43		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO109453.D	21 Feb 2025 01:02		YP/AJ	Ok
31	PO022025ICV500	ICVPO022025	PO109454.D	21 Feb 2025 01:20		YP/AJ	Ok
32	AR1242ICV500	ICVPO022025AR1242	PO109455.D	21 Feb 2025 01:38		YP/AJ	Ok
33	AR1248ICV500	ICVPO022025AR1248	PO109456.D	21 Feb 2025 01:57		YP/AJ	Ok
34	AR1254ICV500	ICVPO022025AR1254	PO109457.D	21 Feb 2025 02:15		YP/AJ	Ok
35	AR1268ICV500	ICVPO022025AR1268	PO109458.D	21 Feb 2025 02:34		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031425

Review By	yogesh	Review On	3/17/2025 8:29:33 AM
Supervise By	mohammad	Supervise On	3/19/2025 6:42:20 AM
SubDirectory	PO031425	HP Acquire Method	HP Processing Method

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	PO109874.D	14 Mar 2025 07:43		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109875.D	14 Mar 2025 08:02		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO109876.D	14 Mar 2025 08:20		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO109877.D	14 Mar 2025 08:38		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO109878.D	14 Mar 2025 08:57		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO109879.D	14 Mar 2025 09:15		YP/AJ	Ok
7	PB167130BL	PB167130BL	PO109880.D	14 Mar 2025 09:33		YP/AJ	Ok
8	Q1562-09	KZZ213F-1-1	PO109881.D	14 Mar 2025 09:52		YP/AJ	Ok
9	Q1562-10	KZZ213F-1-2	PO109882.D	14 Mar 2025 10:10		YP/AJ	Ok
10	Q1562-11	031325-A-X1-1-1	PO109883.D	14 Mar 2025 10:28	AR1254 Hit	YP/AJ	Ok,M
11	Q1562-12	031325-A-X1-1-2	PO109884.D	14 Mar 2025 10:47	AR1254 Hit	YP/AJ	Ok,M
12	Q1562-13	031325-B-X2-1-1	PO109885.D	14 Mar 2025 11:05		YP/AJ	Ok
13	Q1562-14	031325-B-X2-1-2	PO109886.D	14 Mar 2025 11:23		YP/AJ	Ok,M
14	Q1565-01DL	SRV-1DL	PO109887.D	14 Mar 2025 11:42	AR1242 HIT	YP/AJ	Ok,M
15	Q1565-02DL	FILTER-1DL	PO109888.D	14 Mar 2025 12:00	AR1242 HIT	YP/AJ	Ok
16	Q1553-01DL	RT2321DL	PO109889.D	14 Mar 2025 12:18	AR1254 HIT	YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO109890.D	14 Mar 2025 14:49	DCB Low in both column	YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO109891.D	14 Mar 2025 15:30	DCB Low in 2nd column	YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031425

Review By	yogesh	Review On	3/17/2025 8:29:33 AM
Supervise By	mohammad	Supervise On	3/19/2025 6:42:20 AM
SubDirectory	PO031425	HP Acquire Method	HP Processing Method

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	PO109892.D	14 Mar 2025 15:49	DCB Low in both column	YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO109893.D	14 Mar 2025 16:07		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO109894.D	14 Mar 2025 16:25		YP/AJ	Ok
22	PB167143BL	PB167143BL	PO109895.D	14 Mar 2025 16:44		YP/AJ	Not Ok
23	Q1572-10	C0O22	PO109896.D	14 Mar 2025 17:02	DCB high in both column , Need dilution 100X , AR1248 Hit	YP/AJ	Dilution
24	Q1572-11	C0O23	PO109897.D	14 Mar 2025 17:21	DCB high in both column, need dilution 10X , AR1248 Hit	YP/AJ	Dilution
25	Q1572-12	C0O24	PO109898.D	14 Mar 2025 17:39	DCB high in both column , Need dilution 50X,250X , AR1248 + AR1260 Hit	YP/AJ	Dilution
26	Q1572-13	C0O25	PO109899.D	14 Mar 2025 17:57		YP/AJ	Ok
27	Q1572-14	C0O26	PO109900.D	14 Mar 2025 18:16		YP/AJ	Ok
28	Q1572-15	C0O27	PO109901.D	14 Mar 2025 18:34		YP/AJ	Ok
29	Q1572-16	C0O28	PO109902.D	14 Mar 2025 18:52	AR1260 , AR1248 Hit	YP/AJ	Ok,M
30	Q1574-01	WC1	PO109903.D	14 Mar 2025 19:10	TCMX low in 1st column , Need dilution 5X , AR1254 , need cleanup	YP/AJ	Not Ok
31	AR1660CCC500	AR1660CCC500	PO109904.D	14 Mar 2025 21:22	DCB Low in 1st column	YP/AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PO109905.D	14 Mar 2025 22:17	DCB Low in 1st column	YP/AJ	Ok,M
33	AR1248CCC500	AR1248CCC500	PO109906.D	14 Mar 2025 22:36	DCB Low in both column	YP/AJ	Ok
34	AR1254CCC500	AR1254CCC500	PO109907.D	14 Mar 2025 22:54		YP/AJ	Ok
35	I.BLK	I.BLK	PO109908.D	14 Mar 2025 23:12		YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031425

Review By	yogesh	Review On	3/17/2025 8:29:33 AM
Supervise By	mohammad	Supervise On	3/19/2025 6:42:20 AM
SubDirectory	PO031425	HP Acquire Method	HP Processing Method

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	PB167146BL	PB167146BL	PO109909.D	14 Mar 2025 23:31		YP/AJ	Ok
37	PB167146BS	PB167146BS	PO109910.D	14 Mar 2025 23:49		YP/AJ	Ok
38	Q1578-01	JEC817T-1-1	PO109911.D	15 Mar 2025 00:08		YP/AJ	Ok,M
39	Q1578-02	JEC817T-1-2	PO109912.D	15 Mar 2025 00:26		YP/AJ	Ok,M
40	Q1579-01	BC271189-1-1	PO109913.D	15 Mar 2025 00:44		YP/AJ	Ok,M
41	Q1579-02	BC271189-1-2	PO109914.D	15 Mar 2025 01:02		YP/AJ	Ok,M
42	Q1579-03	BC271038-1-1	PO109915.D	15 Mar 2025 01:21		YP/AJ	Ok,M
43	Q1579-04	BC271038-1-2	PO109916.D	15 Mar 2025 01:39		YP/AJ	Ok,M
44	AR1660CCC500	AR1660CCC500	PO109917.D	15 Mar 2025 03:51	DCB Low in 1st column	YP/AJ	Ok,M
45	AR1242CCC500	AR1242CCC500	PO109918.D	15 Mar 2025 04:46	DCB Low in both column	YP/AJ	Ok
46	AR1248CCC500	AR1248CCC500	PO109919.D	15 Mar 2025 05:05	DCB Low in both column	YP/AJ	Ok
47	AR1254CCC500	AR1254CCC500	PO109920.D	15 Mar 2025 05:23		YP/AJ	Ok,M
48	I.BLK	I.BLK	PO109921.D	15 Mar 2025 05:41		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM
SubDirectory	PO031725	HP Acquire Method	HP Processing Method

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	PO109922.D	17 Mar 2025 08:55		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109923.D	17 Mar 2025 09:13		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO109924.D	17 Mar 2025 09:31		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO109925.D	17 Mar 2025 09:49		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO109926.D	17 Mar 2025 10:07		YP/AJ	Ok
6	I.BLK	I.BLK	PO109927.D	17 Mar 2025 10:26		YP/AJ	Ok
7	PB167143BL	PB167143BL	PO109928.D	17 Mar 2025 10:44		YP/AJ	Not Ok
8	Q1574-01	WC1	PO109929.D	17 Mar 2025 11:02	AR1254, Need 5X Dilution	YP/AJ	Dilution
9	Q1574-01DL	WC1DL	PO109930.D	17 Mar 2025 11:20	AR1254 hit	YP/AJ	Ok,M
10	Q1572-10DL	C0O22DL	PO109931.D	17 Mar 2025 13:08	AR1248 Hit	YP/AJ	Ok
11	Q1572-11DL	C0O23DL	PO109932.D	17 Mar 2025 13:27	AR1248 Hit, DCB high in both column,	YP/AJ	Ok,M
12	Q1572-12DL	C0O24DL	PO109933.D	17 Mar 2025 13:45	AR1248 + AR1260 Hit, Need furhter 10x Dilution	YP/AJ	Dilution
13	Q1572-12DL2	C0O24DL2	PO109934.D	17 Mar 2025 14:03	AR1248 + AR1260 Hit, Need more Dilution	YP/AJ	Not Ok
14	AR1660CCC500	AR1660CCC500	PO109935.D	17 Mar 2025 16:28		YP/AJ	Ok
15	AR1242CCC500	AR1242CCC500	PO109936.D	17 Mar 2025 16:47		YP/AJ	Ok
16	AR1248CCC500	AR1248CCC500	PO109937.D	17 Mar 2025 17:06		YP/AJ	Ok
17	AR1254CCC500	AR1254CCC500	PO109938.D	17 Mar 2025 17:24		YP/AJ	Ok

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM
SubDirectory	PO031725	HP Acquire Method	HP Processing Method

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	I.BLK	I.BLK	PO109939.D	17 Mar 2025 17:42		YP/AJ	Ok
19	PB167173BL	PB167173BL	PO109940.D	17 Mar 2025 18:01		YP/AJ	Ok
20	PB167173BS	PB167173BS	PO109941.D	17 Mar 2025 18:19		YP/AJ	Ok
21	Q1589-01	KMH809G-1-1	PO109942.D	17 Mar 2025 18:38		YP/AJ	Ok,M
22	Q1589-02	KMH809G-1-2	PO109943.D	17 Mar 2025 18:55		YP/AJ	Ok
23	Q1589-03	KMH809G-2-1	PO109944.D	17 Mar 2025 19:13		YP/AJ	Ok,M
24	Q1589-04	KMH809G-2-2	PO109945.D	17 Mar 2025 19:32		YP/AJ	Ok
25	Q1589-05	0036-1-1	PO109946.D	17 Mar 2025 19:50		YP/AJ	Ok,M
26	Q1589-06	0036-1-2	PO109947.D	17 Mar 2025 20:08		YP/AJ	Ok
27	Q1589-07	9040-1-1	PO109948.D	17 Mar 2025 20:27		YP/AJ	Ok,M
28	Q1589-08	9040-1-2	PO109949.D	17 Mar 2025 20:45		YP/AJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PO109950.D	17 Mar 2025 22:43		YP/AJ	Ok
30	AR1242CCC500	AR1242CCC500	PO109951.D	17 Mar 2025 23:38		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO109952.D	17 Mar 2025 23:57		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO109953.D	18 Mar 2025 00:15		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO109954.D	18 Mar 2025 00:33		YP/AJ	Ok
34	Q1589-09	HIH340T-1-1	PO109955.D	18 Mar 2025 00:52	AR1254 Hit	YP/AJ	Ok,M
35	Q1589-10	HIH340T-1-2	PO109956.D	18 Mar 2025 01:10	AR1254 Hit	YP/AJ	Ok,M
36	AR1660CCC500	AR1660CCC500	PO109957.D	18 Mar 2025 03:07		YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM
SubDirectory	PO031725	HP Acquire Method	HP Processing Method

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	

37	AR1242CCC500	AR1242CCC500	PO109958.D	18 Mar 2025 04:03		YP/AJ	Ok
38	AR1248CCC500	AR1248CCC500	PO109959.D	18 Mar 2025 04:21		YP/AJ	Ok
39	AR1254CCC500	AR1254CCC500	PO109960.D	18 Mar 2025 04:39		YP/AJ	Ok,M
40	I.BLK	I.BLK	PO109961.D	18 Mar 2025 04:58		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031825

Review By	yogesh	Review On	3/18/2025 10:25:20 AM
Supervise By		Supervise On	
SubDirectory	PO031825	HP Acquire Method	HP Processing Method

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	PO109962.D	18 Mar 2025 07:48		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109963.D	18 Mar 2025 08:06		YP/AJ	Ok
3	AR1248CCC500	AR1248CCC500	PO109964.D	18 Mar 2025 08:42	DCB Low in 2nd column	YP/AJ	Ok
4	I.BLK	I.BLK	PO109965.D	18 Mar 2025 09:00		YP/AJ	Ok
5	Q1572-12DL2	C0O24DL2	PO109966.D	18 Mar 2025 09:19	AR1248 + AR1260 Hit	YP/AJ	Ok,NS
6	AR1660CCC500	AR1660CCC500	PO109967.D	18 Mar 2025 09:55		YP/AJ	Ok,NS
7	AR1248CCC500	AR1248CCC500	PO109968.D	18 Mar 2025 10:14	DCB Low in 2nd column	YP/AJ	Ok
8	I.BLK	I.BLK	PO109969.D	18 Mar 2025 10:32		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 # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070417.D	11 Mar 2025 14:41		YP\AJ	Ok
2	I.BLK	I.BLK	PP070418.D	11 Mar 2025 14:57		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP070419.D	11 Mar 2025 15:13		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP070420.D	11 Mar 2025 15:29		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP070421.D	11 Mar 2025 15:46		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP070422.D	11 Mar 2025 16:02		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP070423.D	11 Mar 2025 16:18		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070424.D	11 Mar 2025 16:34		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP070425.D	11 Mar 2025 16:51		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP070426.D	11 Mar 2025 17:07		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP070427.D	11 Mar 2025 17:23		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP070428.D	11 Mar 2025 17:40		YP\AJ	Ok,M
13	AR1232ICC050	AR1232ICC050	PP070429.D	11 Mar 2025 17:56		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP070430.D	11 Mar 2025 18:12		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP070431.D	11 Mar 2025 18:28		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP070432.D	11 Mar 2025 18:45		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP070433.D	11 Mar 2025 19:01		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP070434.D	11 Mar 2025 19:17		YP\AJ	Ok,M

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 # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP070435.D	11 Mar 2025 19:34		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP070436.D	11 Mar 2025 19:50		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP070437.D	11 Mar 2025 20:06		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP070438.D	11 Mar 2025 20:22		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP070439.D	11 Mar 2025 20:39		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP070440.D	11 Mar 2025 20:55		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP070441.D	11 Mar 2025 21:11		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP070442.D	11 Mar 2025 21:28		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP070443.D	11 Mar 2025 21:44		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP070444.D	11 Mar 2025 22:00		YP\AJ	Ok
29	AR1262ICC500	AR1262ICC500	PP070445.D	11 Mar 2025 22:16		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP070446.D	11 Mar 2025 22:33		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP070447.D	11 Mar 2025 22:49		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP070448.D	11 Mar 2025 23:05		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP070449.D	11 Mar 2025 23:22		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP070450.D	11 Mar 2025 23:38		YP\AJ	Ok,M
35	PP031125ICV500	ICVPP031125	PP070451.D	11 Mar 2025 23:54		YP\AJ	Ok
36	AR1232ICV500	ICVPP031125AR1232	PP070452.D	12 Mar 2025 00:10		YP\AJ	Ok
37	AR1242ICV500	ICVPP031125AR1242	PP070453.D	12 Mar 2025 00:27		YP\AJ	Ok

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 # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP031125AR1248	PP070454.D	12 Mar 2025 00:43		YP\AJ	Ok
39	AR1254ICV500	ICVPP031125AR1254	PP070455.D	12 Mar 2025 00:59		YP\AJ	Ok
40	AR1268ICV500	ICVPP031125AR1268	PP070456.D	12 Mar 2025 01:16		YP\AJ	Ok
41	AR1660CCC500	AR1660CCC500	PP070457.D	12 Mar 2025 01:32		YP\AJ	Ok
42	AR1232CCC500	AR1232CCC500	PP070458.D	12 Mar 2025 01:48		YP\AJ	Ok
43	AR1242CCC500	AR1242CCC500	PP070459.D	12 Mar 2025 02:04		YP\AJ	Ok
44	I.BLK	I.BLK	PP070460.D	12 Mar 2025 02:21		YP\AJ	Ok
45	PB167066BL	PB167066BL	PP070461.D	12 Mar 2025 02:37		YP\AJ	Ok
46	Q1502-15	PT-PCBW-WP	PP070462.D	12 Mar 2025 02:53	AR1232 HIT	YP\AJ	Ok
47	AR1660CCC500	AR1660CCC500	PP070463.D	12 Mar 2025 03:09		YP\AJ	Ok
48	AR1232CCC500	AR1232CCC500	PP070464.D	12 Mar 2025 03:26		YP\AJ	Ok
49	AR1242CCC500	AR1242CCC500	PP070465.D	12 Mar 2025 03:42		YP\AJ	Ok,M
50	I.BLK	I.BLK	PP070466.D	12 Mar 2025 03:58		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070499.D	14 Mar 2025 07:42		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070500.D	14 Mar 2025 07:58		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP070501.D	14 Mar 2025 08:14		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070502.D	14 Mar 2025 08:31		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070503.D	14 Mar 2025 08:47		YP\AJ	Ok
6	I.BLK	I.BLK	PP070504.D	14 Mar 2025 09:03		YP\AJ	Ok
7	PB167130BL	PB167130BL	PP070505.D	14 Mar 2025 09:21		YP\AJ	Ok
8	PB167130BS	PB167130BS	PP070506.D	14 Mar 2025 09:37		YP\AJ	Ok
9	Q1562-01	BC271227-1-1	PP070507.D	14 Mar 2025 09:53		YP\AJ	Ok,M
10	Q1562-02	BC271227-1-2	PP070508.D	14 Mar 2025 10:09		YP\AJ	Ok,M
11	Q1562-03	BC271227-2-1	PP070509.D	14 Mar 2025 10:26		YP\AJ	Ok,M
12	Q1562-04	BC271227-2-2	PP070510.D	14 Mar 2025 10:42		YP\AJ	Ok,M
13	Q1562-05	EFB643W-1-1	PP070511.D	14 Mar 2025 10:58		YP\AJ	Ok,M
14	Q1562-06	EFB643W-1-2	PP070512.D	14 Mar 2025 11:14		YP\AJ	Ok,M
15	Q1562-07	GHA524R-1-1	PP070513.D	14 Mar 2025 11:31		YP\AJ	Ok,M
16	Q1562-08	GHA524R-1-2	PP070514.D	14 Mar 2025 11:47		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP070515.D	14 Mar 2025 12:36		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP070516.D	14 Mar 2025 12:52		YP\AJ	Ok

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP070517.D	14 Mar 2025 13:08		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP070518.D	14 Mar 2025 13:24		YP\AJ	Ok
21	I.BLK	I.BLK	PP070519.D	14 Mar 2025 13:41		YP\AJ	Ok
22	Q1564-04	BC258874-1-2	PP070520.D	14 Mar 2025 13:57		YP\AJ	Ok,M
23	Q1564-05	BC226751-1-1	PP070521.D	14 Mar 2025 14:13		YP\AJ	Ok,M
24	Q1564-06	BC226751-1-2	PP070522.D	14 Mar 2025 14:29		YP\AJ	Ok,M
25	Q1564-01	BC247799-1-1	PP070523.D	14 Mar 2025 14:45		YP\AJ	Ok,M
26	Q1564-02	BC247799-1-2	PP070524.D	14 Mar 2025 15:02		YP\AJ	Ok,M
27	Q1564-03	BC258874-1-1	PP070525.D	14 Mar 2025 15:18		YP\AJ	Ok,M
28	PB167139BL	PB167139BL	PP070526.D	14 Mar 2025 15:34		YP\AJ	Ok
29	PB167139BS	PB167139BS	PP070527.D	14 Mar 2025 15:50		YP\AJ	Ok
30	PB167139BSD	PB167139BSD	PP070528.D	14 Mar 2025 16:06		YP\AJ	Ok
31	AR1660CCC500	AR1660CCC500	PP070529.D	14 Mar 2025 16:55		YP\AJ	Ok
32	AR1242CCC500	AR1242CCC500	PP070530.D	14 Mar 2025 17:11		YP\AJ	Ok
33	AR1248CCC500	AR1248CCC500	PP070531.D	14 Mar 2025 17:28		YP\AJ	Ok
34	AR1254CCC500	AR1254CCC500	PP070532.D	14 Mar 2025 17:44		YP\AJ	Ok
35	I.BLK	I.BLK	PP070533.D	14 Mar 2025 18:00		YP\AJ	Ok
36	Q1553-03	FRAC-TANK-FMI120	PP070534.D	14 Mar 2025 18:16		YP\AJ	Ok,M
37	Q1563-01	437	PP070535.D	14 Mar 2025 18:33		YP\AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1563-02	FERNOT-WATER	PP070536.D	14 Mar 2025 18:49		YP\AJ	Ok,M
39	PB167136BL	PB167136BL	PP070537.D	14 Mar 2025 19:05		YP\AJ	Ok
40	PB167136BS	PB167136BS	PP070538.D	14 Mar 2025 19:21		YP\AJ	Ok
41	Q1566-01	CTWK-COMP	PP070539.D	14 Mar 2025 19:38		YP\AJ	Ok
42	Q1568-01	JC-03-03132025	PP070540.D	14 Mar 2025 19:54		YP\AJ	Ok
43	Q1568-01MS	JC-03-03132025MS	PP070541.D	14 Mar 2025 20:10		YP\AJ	Ok
44	Q1568-01MSD	JC-03-03132025MSD	PP070542.D	14 Mar 2025 20:26		YP\AJ	Ok,M
45	AR1660CCC500	AR1660CCC500	PP070543.D	14 Mar 2025 21:15		YP\AJ	Ok
46	AR1242CCC500	AR1242CCC500	PP070544.D	14 Mar 2025 21:31		YP\AJ	Ok,M
47	AR1248CCC500	AR1248CCC500	PP070545.D	14 Mar 2025 21:48		YP\AJ	Ok
48	AR1254CCC500	AR1254CCC500	PP070546.D	14 Mar 2025 22:04		YP\AJ	Ok
49	I.BLK	I.BLK	PP070547.D	14 Mar 2025 22:20		YP\AJ	Ok
50	PB167143BL	PB167143BL	PP070548.D	14 Mar 2025 22:36		YP\AJ	Ok
51	PB167143BS	PB167143BS	PP070549.D	14 Mar 2025 22:52		YP\AJ	Ok,M
52	Q1569-01	TAP-IDW-SOIL-031325	PP070550.D	14 Mar 2025 23:09		YP\AJ	Ok
53	Q1569-04	TAP-IDW-SOIL-031325	PP070551.D	14 Mar 2025 23:25		YP\AJ	Ok,M
54	Q1572-01	C0AC9	PP070552.D	14 Mar 2025 23:41	DCB high in 2nd column , AR1260 AR1248 Hit , Need dilution 10X,50X	YP\AJ	Dilution
55	Q1572-02	C0O14	PP070553.D	14 Mar 2025 23:57	AR1260 AR1248 Hit , Need dilution 10X,50X	YP\AJ	Dilution

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 # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

56	Q1572-03	C0O15	PP070554.D	15 Mar 2025 00:14	AR1260 AR1248 Hit , Need dilution 5X,25X	YP\AJ	Dilution
57	Q1572-04	C0O16	PP070555.D	15 Mar 2025 00:30	DCB high in 2nd column , AR1260 AR1248 Hit , Need dilution 5X,50X	YP\AJ	Dilution
58	Q1572-05	C0O17	PP070556.D	15 Mar 2025 00:46	DCB high in 2nd column , AR1260 AR1248 Hit , Need dilution 10X,100X	YP\AJ	Dilution
59	Q1572-07	C0O19	PP070557.D	15 Mar 2025 01:02	AR1260 AR1248 Hit , Need dilution 10X	YP\AJ	Dilution
60	AR1660CCC500	AR1660CCC500	PP070558.D	15 Mar 2025 01:51		YP\AJ	Ok
61	AR1242CCC500	AR1242CCC500	PP070559.D	15 Mar 2025 02:07		YP\AJ	Ok
62	AR1248CCC500	AR1248CCC500	PP070560.D	15 Mar 2025 02:24		YP\AJ	Ok
63	AR1254CCC500	AR1254CCC500	PP070561.D	15 Mar 2025 02:40		YP\AJ	Ok
64	I.BLK	I.BLK	PP070562.D	15 Mar 2025 02:56		YP\AJ	Ok
65	Q1572-06	C0O18	PP070563.D	15 Mar 2025 03:12	AR1260 AR1248 Hit , Need dilution 5X,50X	YP\AJ	Dilution
66	Q1572-06MS	C0O18MS	PP070564.D	15 Mar 2025 03:29	AR1016 and AR1260 Recovery fail	YP\AJ	Ok,M
67	Q1572-06MSD	C0O18MSD	PP070565.D	15 Mar 2025 03:45	AR1016 and AR1260 Recovery fail	YP\AJ	Ok,M
68	Q1572-08	C0O20	PP070566.D	15 Mar 2025 04:01	DCB high in 2nd column , AR1248 Hit ,Need dilution 10X	YP\AJ	Dilution
69	Q1572-09	C0O21	PP070567.D	15 Mar 2025 04:17	AR1248 Hit , Need dilution 50X	YP\AJ	Dilution
70	AR1660CCC500	AR1660CCC500	PP070568.D	15 Mar 2025 05:06		YP\AJ	Ok
71	AR1242CCC500	AR1242CCC500	PP070569.D	15 Mar 2025 05:22		YP\AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

72	AR1248CCC500	AR1248CCC500	PP070570.D	15 Mar 2025 05:39		YP\AJ	Ok
73	AR1254CCC500	AR1254CCC500	PP070571.D	15 Mar 2025 05:55		YP\AJ	Ok
74	I.BLK	I.BLK	PP070572.D	15 Mar 2025 06:11		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 # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070573.D	17 Mar 2025 08:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070574.D	17 Mar 2025 09:08		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070575.D	17 Mar 2025 09:25		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070576.D	17 Mar 2025 09:41		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070577.D	17 Mar 2025 09:57		YP\AJ	Ok
6	I.BLK	I.BLK	PP070578.D	17 Mar 2025 10:13		YP\AJ	Ok
7	Q1572-01DL	C0AC9DL	PP070579.D	17 Mar 2025 10:30	AR1248 + AR1260 Hit, Need Dilution, DCB high in 2nd column	YP\AJ	Dilution
8	Q1572-01DL2	C0AC9DL2	PP070580.D	17 Mar 2025 10:46	AR1248 + AR1260 Hit	YP\AJ	Ok
9	Q1572-02DL	C0O14DL	PP070581.D	17 Mar 2025 11:02	AR1260 + AR1248 Hit , Need dilution, DCB high 2nd column, TCMX high in Both column	YP\AJ	Dilution
10	Q1572-02DL2	C0O14DL2	PP070582.D	17 Mar 2025 11:18	AR1260 AR1248 Hit	YP\AJ	Ok
11	Q1572-03DL	C0O15DL	PP070583.D	17 Mar 2025 11:35	AR1260 AR1248 Hit , Need dilution	YP\AJ	Dilution
12	Q1572-03DL2	C0O15DL2	PP070584.D	17 Mar 2025 11:51	AR1260 AR1248 Hit	YP\AJ	Ok
13	Q1572-04DL	C0O16DL	PP070585.D	17 Mar 2025 12:07	AR1260 + AR1248 Hit, Need Dilution	YP\AJ	Dilution
14	Q1572-04DL2	C0O16DL2	PP070586.D	17 Mar 2025 12:23	AR1260 + AR1248 Hit	YP\AJ	Ok
15	Q1572-05DL	C0O17DL	PP070587.D	17 Mar 2025 12:40	AR1248 + AR1260 Hit, Need Dilution, DCB High in 2nd column	YP\AJ	Dilution
16	Q1572-05DL2	C0O17DL2	PP070588.D	17 Mar 2025 12:56	AR1248 + AR1260 Hit,	YP\AJ	Ok,M

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	AR1660CCC500	AR1660CCC500	PP070589.D	17 Mar 2025 14:00		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP070590.D	17 Mar 2025 14:17		YP\AJ	Ok
19	AR1248CCC500	AR1248CCC500	PP070591.D	17 Mar 2025 14:33		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP070592.D	17 Mar 2025 14:49		YP\AJ	Ok
21	I.BLK	I.BLK	PP070593.D	17 Mar 2025 15:05		YP\AJ	Ok
22	PB167154BL	PB167154BL	PP070594.D	17 Mar 2025 15:22		YP\AJ	Ok
23	PB167154BS	PB167154BS	PP070595.D	17 Mar 2025 15:38		YP\AJ	Ok
24	Q1572-07DL	C0O19DL	PP070596.D	17 Mar 2025 15:54	AR1260 AR1248 Hit	YP\AJ	Ok,M
25	Q1572-06DL	C0O18DL	PP070597.D	17 Mar 2025 16:10	AR1260 AR1248 Hit, Need Further 20X Dilution	YP\AJ	Dilution
26	Q1572-06DL2	C0O18DL2	PP070598.D	17 Mar 2025 16:27	AR1260 AR1248 Hit, Need Further 2X Dilution	YP\AJ	Not Ok
27	Q1572-08DL	C0O20DL	PP070599.D	17 Mar 2025 16:43	AR1248 Hit, DCB High in 2nd column	YP\AJ	Ok,M
28	Q1572-09DL	C0O21DL	PP070600.D	17 Mar 2025 16:59	AR1248 Hit	YP\AJ	Ok
29	Q1573-01	C0AC4	PP070601.D	17 Mar 2025 17:15	AR1248 + AR1260 Hit	YP\AJ	Ok,M
30	Q1573-01MS	C0AC4MS	PP070602.D	17 Mar 2025 17:32		YP\AJ	Ok,M
31	Q1573-01MSD	C0AC4MSD	PP070603.D	17 Mar 2025 17:48		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP070604.D	17 Mar 2025 18:37		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP070605.D	17 Mar 2025 18:53		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP070606.D	17 Mar 2025 19:09		YP\AJ	Ok

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 # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

35	AR1254CCC500	AR1254CCC500	PP070607.D	17 Mar 2025 19:25		YP\AJ	Ok
36	I.BLK	I.BLK	PP070608.D	17 Mar 2025 19:42		YP\AJ	Ok
37	Q1573-02	C0AC5	PP070609.D	17 Mar 2025 19:58	AR1248 + AR1260 Hit, DCB Low in 1st column	YP\AJ	Ok,M
38	Q1573-03	C0AC6	PP070610.D	17 Mar 2025 20:14	AR1248 + AR1260 Hit, DCB Low in both column	YP\AJ	ReRun
39	Q1573-04	C0AC8	PP070611.D	17 Mar 2025 20:30	AR1248 + AR1260 Hit	YP\AJ	Ok,M
40	Q1573-05	C0O29	PP070612.D	17 Mar 2025 20:47	AR1260 Hit	YP\AJ	Ok,M
41	Q1573-06	C0O30	PP070613.D	17 Mar 2025 21:03	AR1260 Hit	YP\AJ	Ok
42	Q1573-07	C0O31	PP070614.D	17 Mar 2025 21:19	AR1248 + AR1260 Hit	YP\AJ	Ok,M
43	Q1573-08	C0O32	PP070615.D	17 Mar 2025 21:35	AR1248 + AR1260 Hit	YP\AJ	Ok,M
44	Q1573-09	C0O33	PP070616.D	17 Mar 2025 21:52	AR1248 + AR1260 Hit	YP\AJ	Ok,M
45	Q1573-10	C0O34	PP070617.D	17 Mar 2025 22:08	AR1248 + AR1260 Hit	YP\AJ	Ok,M
46	Q1573-11	C0O35	PP070618.D	17 Mar 2025 22:24	AR1248 + AR1260 Hit, DCB low in both column	YP\AJ	ReRun
47	AR1660CCC500	AR1660CCC500	PP070619.D	17 Mar 2025 23:13		YP\AJ	Ok
48	AR1242CCC500	AR1242CCC500	PP070620.D	17 Mar 2025 23:29		YP\AJ	Ok
49	AR1248CCC500	AR1248CCC500	PP070621.D	17 Mar 2025 23:45		YP\AJ	Ok
50	AR1254CCC500	AR1254CCC500	PP070622.D	18 Mar 2025 00:02		YP\AJ	Ok
51	I.BLK	I.BLK	PP070623.D	18 Mar 2025 00:18		YP\AJ	Ok
52	Q1581-01	TR-06-031425	PP070624.D	18 Mar 2025 00:34		YP\AJ	Ok

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 # PP031725

Review By	yogesh	Review On	3/17/2025 11:38:20 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:47:02 AM		
SubDirectory	PP031725	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

53	Q1585-01	OK-02-03142025	PP070625.D	18 Mar 2025 00:50		YP\AJ	Ok,M
54	PB167172BL	PB167172BL	PP070626.D	18 Mar 2025 01:06		YP\AJ	Ok
55	PB167172BS	PB167172BS	PP070627.D	18 Mar 2025 01:23		YP\AJ	Ok
56	PB167172BSD	PB167172BSD	PP070628.D	18 Mar 2025 01:39		YP\AJ	Ok,M
57	Q1573-12	C0AC7	PP070629.D	18 Mar 2025 01:55		YP\AJ	Ok
58	Q1573-13	C0O37	PP070630.D	18 Mar 2025 02:11		YP\AJ	Ok
59	Q1577-03	MOO-25-0072	PP070631.D	18 Mar 2025 02:28		YP\AJ	Ok,M
60	AR1660CCC500	AR1660CCC500	PP070632.D	18 Mar 2025 03:16		YP\AJ	Ok
61	AR1242CCC500	AR1242CCC500	PP070633.D	18 Mar 2025 03:32		YP\AJ	Ok
62	AR1248CCC500	AR1248CCC500	PP070634.D	18 Mar 2025 03:49		YP\AJ	Ok
63	AR1254CCC500	AR1254CCC500	PP070635.D	18 Mar 2025 04:05		YP\AJ	Ok
64	I.BLK	I.BLK	PP070636.D	18 Mar 2025 04:21		YP\AJ	Ok

M : Manual Integration

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 # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By		Supervise On			
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070637.D	18 Mar 2025 07:48		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070638.D	18 Mar 2025 08:04		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070639.D	18 Mar 2025 08:21		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070640.D	18 Mar 2025 08:37		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070641.D	18 Mar 2025 08:53		YP\AJ	Ok,NS
6	I.BLK	I.BLK	PP070642.D	18 Mar 2025 09:10		YP\AJ	Ok,NS
7	PP24328	PP24328	PP070643.D	18 Mar 2025 09:26		YP\AJ	Ok
8	Q1573-03	C0AC6	PP070644.D	18 Mar 2025 09:42	AR1248 + AR1260 Hit	YP\AJ	Ok,NS
9	Q1573-11	C0O35	PP070645.D	18 Mar 2025 10:14	AR1248 + AR1260 Hit	YP\AJ	Ok,NS
10	Q1572-06DL2	C0O18DL2	PP070646.D	18 Mar 2025 10:31	AR1260 AR1248 Hit,	YP\AJ	Ok,NS
11	AR1660CCC500	AR1660CCC500	PP070647.D	18 Mar 2025 11:19		YP\AJ	Ok,NS
12	AR1242CCC500	AR1242CCC500	PP070648.D	18 Mar 2025 11:36		YP\AJ	Ok,NS
13	AR1248CCC500	AR1248CCC500	PP070649.D	18 Mar 2025 11:52		YP\AJ	Ok
14	AR1254CCC500	AR1254CCC500	PP070650.D	18 Mar 2025 12:08		YP\AJ	Ok,NS
15	I.BLK	I.BLK	PP070651.D	18 Mar 2025 12:24		YP\AJ	Ok
16	PB167186BL	PB167186BL	PP070652.D	18 Mar 2025 15:02		YP\AJ	Ok
17	PB167186BS	PB167186BS	PP070653.D	18 Mar 2025 15:18		YP\AJ	Ok
18	Q1591-02	GAS-TRE-25-0037	PP070654.D	18 Mar 2025 15:35	AR1254 Hit	YP\AJ	Ok,NS

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 # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By		Supervise On			
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1591-03	ARS20-0008	PP070655.D	18 Mar 2025 15:51		YP\AJ	Ok
20	Q1591-03MS	ARS20-0008MS	PP070656.D	18 Mar 2025 16:07		YP\AJ	Ok,NS
21	Q1591-03MSD	ARS20-0008MSD	PP070657.D	18 Mar 2025 16:23		YP\AJ	Ok,NS
22	Q1592-01	OILY-DEBRIS-COMP	PP070658.D	18 Mar 2025 16:40		YP\AJ	Ok
23	Q1590-01	3794	PP070659.D	18 Mar 2025 16:56		YP\AJ	Ok
24	Q1590-02	20071	PP070660.D	18 Mar 2025 17:12		YP\AJ	Ok,NS
25	Q1591-01	GAS-TRE-1084	PP070661.D	18 Mar 2025 17:28		YP\AJ	Ok,NS
26	AR1660CCC500	AR1660CCC500	PP070662.D	18 Mar 2025 18:17		YP\AJ	Ok,NS
27	AR1242CCC500	AR1242CCC500	PP070663.D	18 Mar 2025 18:34		YP\AJ	Ok
28	AR1248CCC500	AR1248CCC500	PP070664.D	18 Mar 2025 18:50		YP\AJ	Ok
29	AR1254CCC500	AR1254CCC500	PP070665.D	18 Mar 2025 19:06		YP\AJ	Ok,NS
30	I.BLK	I.BLK	PP070666.D	18 Mar 2025 19:22		YP\AJ	Ok
31	PB167184BL	PB167184BL	PP070667.D	18 Mar 2025 19:39		YP\AJ	Ok
32	PB167184BS	PB167184BS	PP070668.D	18 Mar 2025 19:55		YP\AJ	Ok
33	PB167184BSD	PB167184BSD	PP070669.D	18 Mar 2025 20:11		YP\AJ	Ok
34	Q1591-04	GAS-TRE-25-0026	PP070670.D	18 Mar 2025 20:27		YP\AJ	Ok
35	Q1591-05	GAS-TRE-25-0027	PP070671.D	18 Mar 2025 20:44		YP\AJ	Ok,NS
36	Q1591-06	GAS-TRE-25-0028	PP070672.D	18 Mar 2025 21:00		YP\AJ	Ok,NS
37	Q1592-03	257952	PP070673.D	18 Mar 2025 21:16		YP\AJ	Ok,NS

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 # PP031825

Review By	yogesh	Review On	3/18/2025 9:12:10 AM		
Supervise By		Supervise On			
SubDirectory	PP031825	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1593-01	258829	PP070674.D	18 Mar 2025 21:32		YP\AJ	Ok
39	Q1594-01	GAS-CAM-40615	PP070675.D	18 Mar 2025 21:49		YP\AJ	Ok
40	Q1590-04	3799	PP070676.D	18 Mar 2025 22:05		YP\AJ	Ok,NS
41	AR1660CCC500	AR1660CCC500	PP070677.D	18 Mar 2025 22:54		YP\AJ	Ok
42	AR1242CCC500	AR1242CCC500	PP070678.D	18 Mar 2025 23:10		YP\AJ	Ok,NS
43	AR1248CCC500	AR1248CCC500	PP070679.D	18 Mar 2025 23:26		YP\AJ	Ok
44	AR1254CCC500	AR1254CCC500	PP070680.D	18 Mar 2025 23:42		YP\AJ	Ok,NS
45	I.BLK	I.BLK	PP070681.D	18 Mar 2025 23:59		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 03/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 105
Time OUT: 08:35
Out Date: 03/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB135036

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1569-01	TAP-IDW-SOIL-031325-01	1	1.14	11.74	12.88	10.13	76.6	
Q1569-04	TAP-IDW-SOIL-031325-02	2	1.16	10.92	12.08	9.16	73.3	
Q1572-01	C0AC9	3	1.12	10.23	11.35	8.25	69.7	
Q1572-02	C0O14	4	1.15	10.41	11.56	9.32	78.5	
Q1572-03	C0O15	5	1.18	10.05	11.23	9.22	80.0	
Q1572-04	C0O16	6	1.15	9.00	10.15	7.3	68.3	
Q1572-05	C0O17	7	1.14	10.49	11.63	8.97	74.6	
Q1572-06	C0O18	8	1.15	9.91	11.06	8.68	76.0	
Q1572-07	C0O19	9	1.16	10.15	11.31	8.17	69.1	
Q1572-08	C0O20	10	1.13	10.26	11.39	8.8	74.8	
Q1572-09	C0O21	11	1.15	10.40	11.55	8.11	66.9	
Q1572-10	C0O22	12	1.15	10.39	11.54	8.00	65.9	
Q1572-11	C0O23	13	1.14	10.46	11.6	9.91	83.8	
Q1572-12	C0O24	14	1.13	10.28	11.41	8.82	74.8	
Q1572-13	C0O25	15	1.12	10.22	11.34	8.92	76.3	
Q1572-14	C0O26	16	1.19	10.23	11.42	8.82	74.6	
Q1572-15	C0O27	17	1.12	10.48	11.6	8.85	73.8	
Q1572-16	C0O28	18	1.15	10.11	11.26	9.52	82.8	
Q1573-01	C0AC4	19	1.19	10.51	11.7	8.81	72.5	
Q1573-02	C0AC5	20	1.16	11.03	12.19	8.16	63.5	
Q1573-03	C0AC6	21	1.14	10.38	11.52	7.66	62.8	
Q1573-04	C0AC8	22	1.16	10.28	11.44	7.25	59.2	
Q1573-05	C0O29	23	1.18	10.60	11.78	7.09	55.8	
Q1573-06	C0O30	24	1.13	10.13	11.26	8.17	69.5	
Q1573-07	C0O31	25	1.19	10.24	11.43	8.1	67.5	
Q1573-08	C0O32	26	1.15	10.08	11.23	6.7	55.1	
Q1573-09	C0O33	27	1.13	10.27	11.4	7.76	64.6	
Q1573-10	C0O34	28	1.14	10.42	11.56	9.7	82.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 03/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 105
Time OUT: 08:35
Out Date: 03/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB135036

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1573-11	C0O35	29	1.19	11.25	12.44	9.97	78.0	
Q1574-01	WC1	30	1.11	10.31	11.42	11.21	98.0	
Q1578-01	JEC817T-1-1	31	1.00	1.00	2.00	2.00	100.0	pilc
Q1578-02	JEC817T-1-2	32	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-01	BC271189-1-1	33	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-02	BC271189-1-2	34	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-03	BC271038-1-1	35	1.00	1.00	2.00	2.00	100.0	pilc
Q1579-04	BC271038-1-2	36	1.00	1.00	2.00	2.00	100.0	pilc
Q1581-01	TR-06-031425	37	1.14	10.08	11.22	10.54	93.3	
Q1581-02	TR-06-031425-E2	38	1.18	10.18	11.36	10.64	92.9	
Q1584-05	SVOC-GPC-BLANK	39	1.00	1.00	2.00	2.00	100.0	
Q1584-06	PEST-GPC-BLANK	40	1.00	1.00	2.00	2.00	100.0	
Q1584-07	PEST-GPC-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1584-08	PCB-GPC-BLANK	42	1.00	1.00	2.00	2.00	100.0	
Q1584-09	PCB-GPC-BLANK-SPIKE	43	1.00	1.00	2.00	2.00	100.0	
Q1584-10	SVOC-GPC2-BLANK	44	1.00	1.00	2.00	2.00	100.0	
Q1584-11	PEST-GPC2-BLANK	45	1.00	1.00	2.00	2.00	100.0	
Q1584-12	PEST-GPC2-BLANK-SPIKE	46	1.00	1.00	2.00	2.00	100.0	
Q1584-13	PCB-GPC2-BLANK	47	1.00	1.00	2.00	2.00	100.0	
Q1584-14	PCB-GPC2-BLANK-SPIKE	48	1.00	1.00	2.00	2.00	100.0	
Q1585-01	OK-02-03142025	49	1.14	10.43	11.57	11.27	97.1	
Q1585-02	OK-02-03142025-E2	50	1.13	10.27	11.4	10.89	95.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135036

WorkList Name : %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1569-01	TAP-IDW-SOIL-031325-01	Solid	Percent Solids	Cool 4 deg C	WEST04	I33	03/13/2025	Chemtech -SO
Q1569-04	TAP-IDW-SOIL-031325-02	Solid	Percent Solids	Cool 4 deg C	WEST04	I33	03/13/2025	Chemtech -SO
Q1572-01	C0AC9	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-02	C0O14	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-03	C0O15	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-04	C0O16	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-05	C0O17	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-06	C0O18	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-07	C0O19	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-08	C0O20	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-09	C0O21	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-10	C0O22	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-11	C0O23	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-12	C0O24	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-13	C0O25	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-14	C0O26	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-15	C0O27	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-16	C0O28	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1573-01	C0AC4	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1573-02	C0AC5	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-03	C0AC6	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO

Date/Time 03/13/25 16:10

Raw Sample Received by: JP WDC

Raw Sample Relinquished by: IT (SM)

Date/Time ~~03/13/25~~ 03/14/25 17:30

Raw Sample Received by: IT (SM)

Raw Sample Relinquished by: JP WDC

WORKLIST(Hardcopy Internal Chain)

VB135036

WorkList Name : %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1573-04	C0AC8	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-05	C0O29	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-06	C0O30	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-07	C0O31	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-08	C0O32	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-09	C0O33	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-10	C0O34	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-11	C0O35	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1574-01	WC1	Solid	Percent Solids	Cool 4 deg C	GENV01	I41	03/12/2025	Chemtech -SO
Q1578-01	JEC817T-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1578-02	JEC817T-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-01	BC271189-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-02	BC271189-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-03	BC271038-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-04	BC271038-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1581-01	TR-06-031425	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1581-02	TR-06-031425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1584-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO

Date/Time 03/14/25 16:10

Raw Sample Received by: SB WOC

Raw Sample Relinquished by: IT (SM)

Date/Time 03/14/25 1730

Raw Sample Received by: IT (SM)

Raw Sample Relinquished by: SB WOC

WORKLIST(Hardcopy Internal Chain)

UB B35036

WorkList Name : %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1584-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1585-01	OK-02-03142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1585-02	OK-02-03142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO

Date/Time 03/14/25 16:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: IT (SM)

Date/Time 03/14/25 17:30
Raw Sample Received by: IT (SM)
Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167143

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 03/14/2025

Extraction Start Time : 12:25

Extraction End Date : 03/14/2025

Extraction End Time : 15:25

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24209
Surrogate	1.0ML	200 PPB	PP24217
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2593
Sand	N/A	E2865
Hexane	N/A	E3877
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/14/25	RS (Ext-lab)	T-8-Pest/PCB
15:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167143

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 03/14/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167143BL	ABLK143	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U2-1
PB167143BS	ALCS143	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
Q1569-01	TAP-IDW-SOIL-031325-01	PCB	30.07	N/A	ritesh	Evelyn	10	B	Sludge	3
Q1569-04	TAP-IDW-SOIL-031325-02	PCB	30.03	N/A	ritesh	Evelyn	10	B	Sludge	4
Q1572-01	C0AC9	PCB Group1	30.06	N/A	ritesh	Evelyn	10			5
Q1572-02	C0O14	PCB Group1	30.02	N/A	ritesh	Evelyn	10			6
Q1572-03	C0O15	PCB Group1	30.10	N/A	ritesh	Evelyn	10			U3-1
Q1572-04	C0O16	PCB Group1	30.08	N/A	ritesh	Evelyn	10			2
Q1572-05	C0O17	PCB Group1	30.05	N/A	ritesh	Evelyn	10			3
Q1572-06	C0O18	PCB Group1	30.03	N/A	ritesh	Evelyn	10			4
Q1572-06MS	C0O18MS	PCB Group1	30.07	N/A	ritesh	Evelyn	10			5
Q1572-06MSD	C0O18MSD	PCB Group1	30.09	N/A	ritesh	Evelyn	10			6
Q1572-07	C0O19	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U6-1
Q1572-08	C0O20	PCB Group1	30.04	N/A	ritesh	Evelyn	10			2
Q1572-09	C0O21	PCB Group1	30.08	N/A	ritesh	Evelyn	10			3
Q1572-10	C0O22	PCB Group1	30.05	N/A	ritesh	Evelyn	10			4
Q1572-11	C0O23	PCB Group1	30.03	N/A	ritesh	Evelyn	10			5
Q1572-12	C0O24	PCB Group1	30.09	N/A	ritesh	Evelyn	10			6
Q1572-13	C0O25	PCB Group1	30.06	N/A	ritesh	Evelyn	10			U7-1
Q1572-14	C0O26	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
Q1572-15	C0O27	PCB Group1	30.07	N/A	ritesh	Evelyn	10			3
Q1572-16	C0O28	PCB Group1	30.09	N/A	ritesh	Evelyn	10			4
Q1574-01	WC1	PCB	30.05	N/A	ritesh	Evelyn	10	C		5

RS 3/14

* **Extracts relinguished on the same date as received.**

167143
12:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1572 **WorkList ID :** 188289 **Department :** Extraction **Date :** 03-14-2025 12:16:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1569-01	TAP-IDW-SOIL-031325-01	Solid	PCB	Cool 4 deg C	WEST04	I33	03/13/2025	8082A
Q1569-04	TAP-IDW-SOIL-031325-02	Solid	PCB	Cool 4 deg C	WEST04		03/13/2025	8082A
Q1572-01	C0AC9	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-02	C0O14	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-03	C0O15	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-04	C0O16	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-05	C0O17	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-06	C0O18	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-07	C0O19	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-08	C0O20	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-09	C0O21	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-10	C0O22	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-11	C0O23	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-12	C0O24	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-13	C0O25	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-14	C0O26	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-15	C0O27	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-16	C0O28	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1574-01	WC1	Solid	PCB	Cool 4 deg C	GENV01	I41	03/12/2025	8082A

Date/Time 3/14/25 12:20
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by:

Date/Time 3/14/25 12:55
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext Lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q1572

Test : PCB Group1

Prepbatch ID : PB167143,

Sequence ID/Qc Batch ID: po031425,PO031725,po031825,pp031425,PP031725,PP031825,

Standard ID :

EP2565,EP2592,EP2593,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24209,PP24217,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3876,E3877,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12948,P12957,P13033,P13350,P13354,P13372,W3112,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2592	02/27/2025	08/12/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/27/2025

FROM 4000.00000ml of E3876 + 4000.00000ml of E3877 = Final Quantity: 8000.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2593	03/07/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24209	02/27/2025	08/27/2025	Ankita Jodhani	None	None	Yogesh Patel 03/06/2025

FROM 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel 03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	08/27/2025	02/27/2025 / Ankita	12/20/2023 / Yogesh	P12948

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 2/12/25

E 3876

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

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)

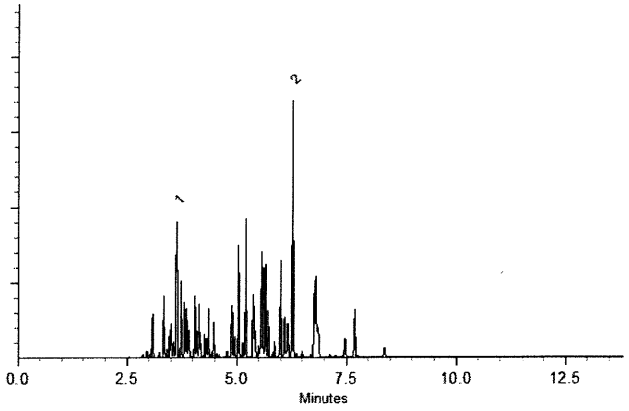
Carrier Gas:
helium-constant pressure 20 psi.

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
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. : 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)

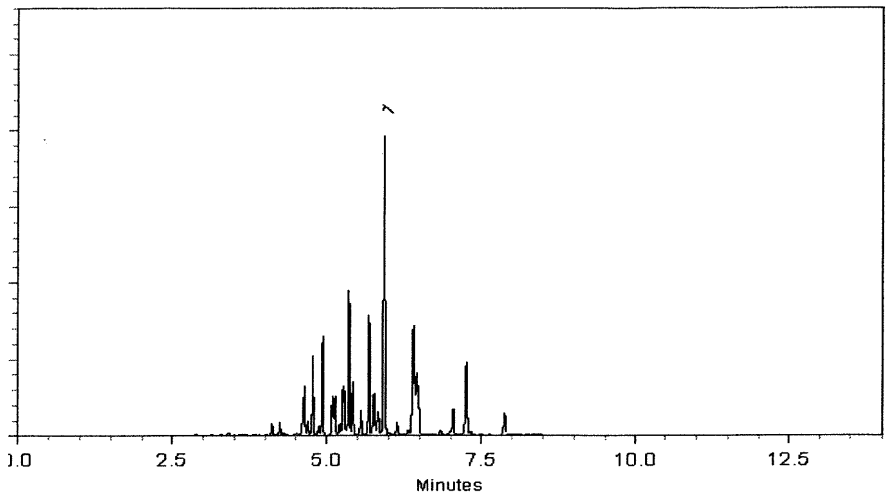
Carrier Gas:
helium-constant pressure 20 psi.

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

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

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. : 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)

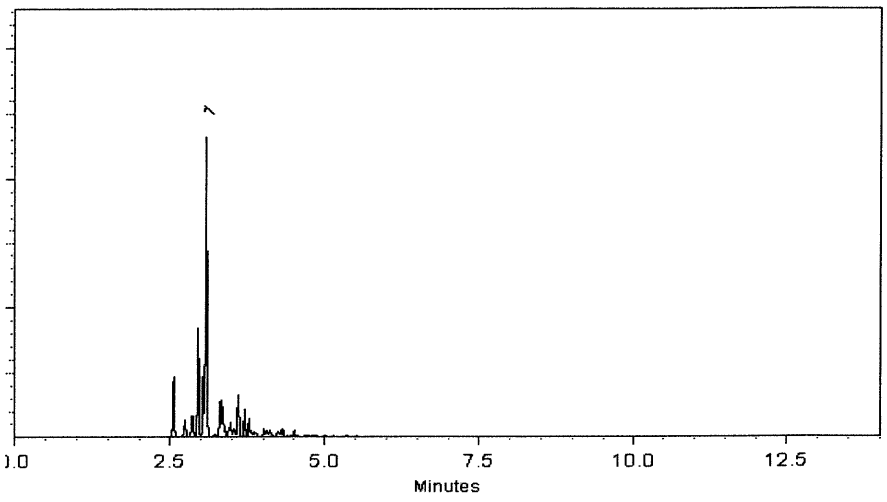
Carrier Gas:
helium-constant pressure 20 psi.

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

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. : 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)

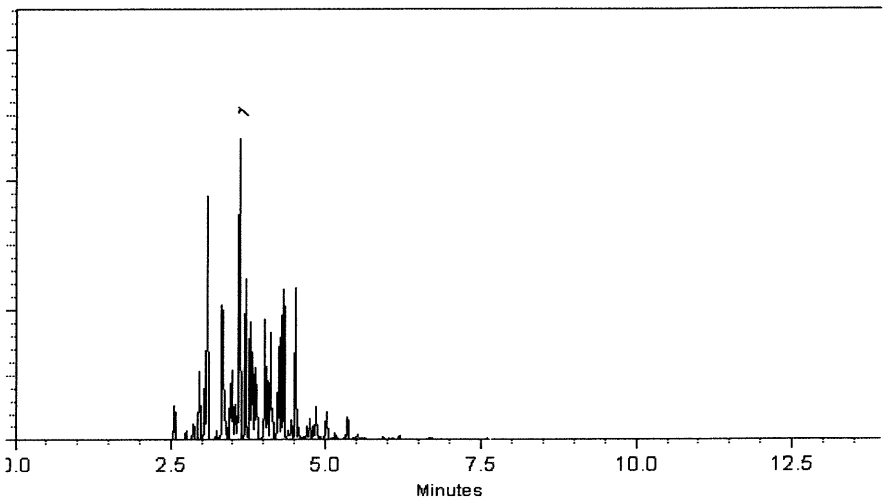
Carrier Gas:
helium-constant pressure 20 psi.

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

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. : 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)

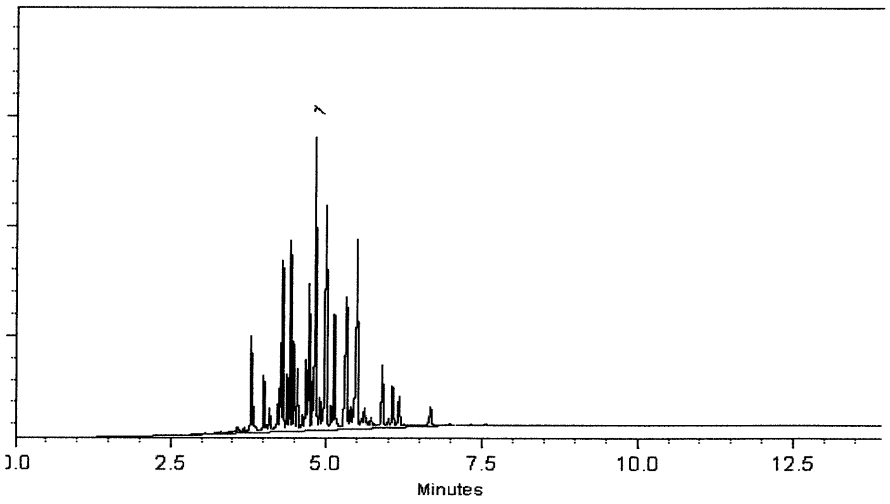
Carrier Gas:
helium-constant pressure 20 psi.

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

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. : 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)

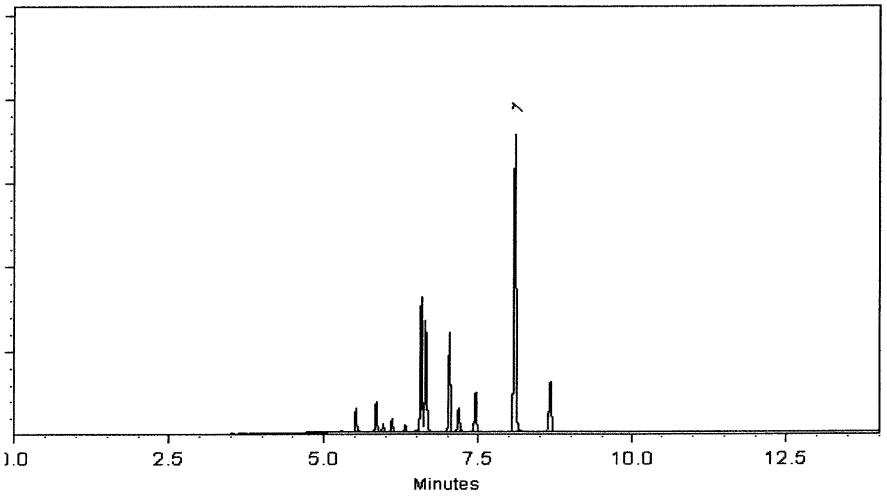
Carrier Gas:
helium-constant pressure 20 psi.

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Refere

CERTIFIED WEIGHT REPORT

Part Number:	91867
Lot Number:	020823
Description:	WP 037 - Aroclor 1232 PCB Technical Mixture
Expiration Date:	020833
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	100
NIST Test ID#:	6UTB

Solvent(
Aceton

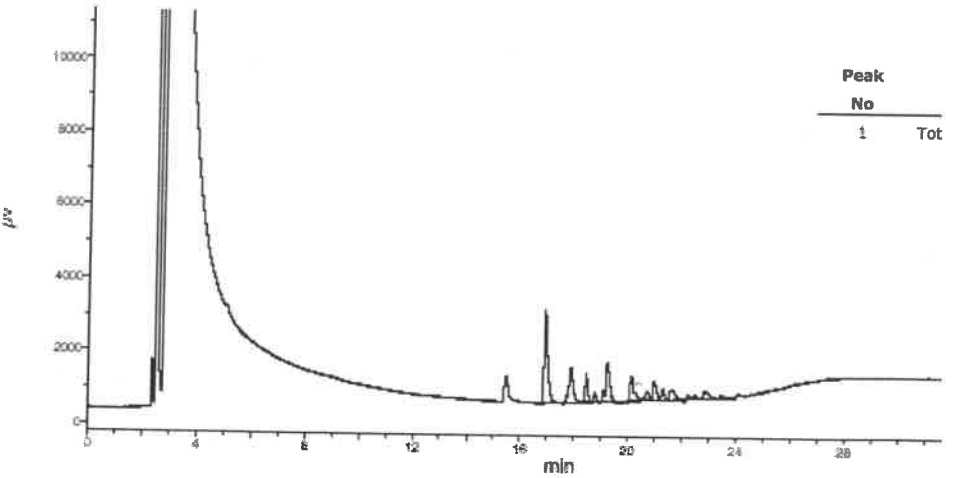
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	---%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

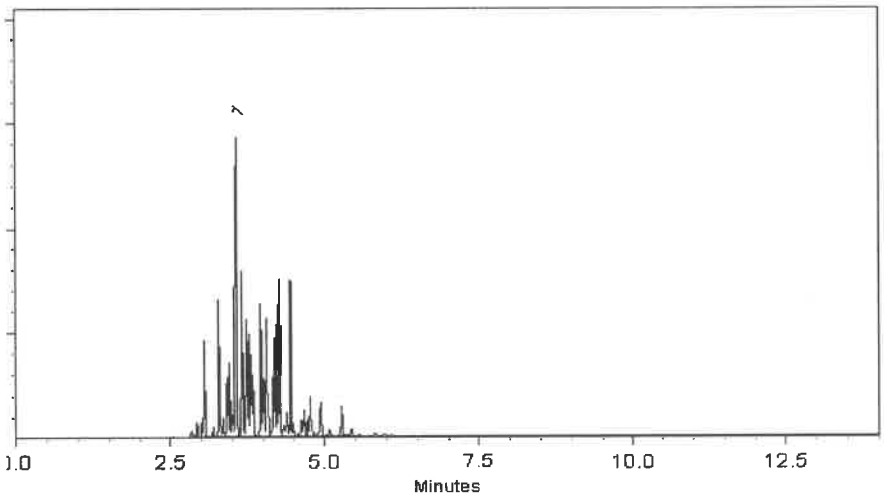
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12933
↓
P12937
AJ
12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

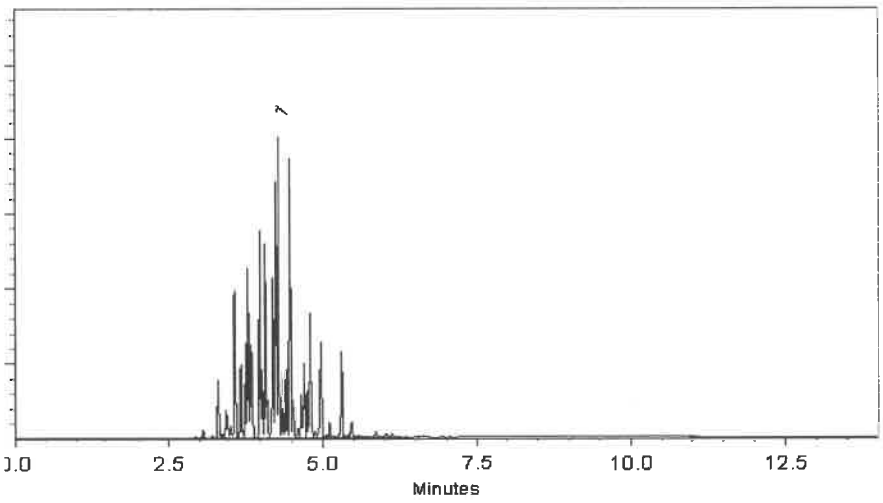
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

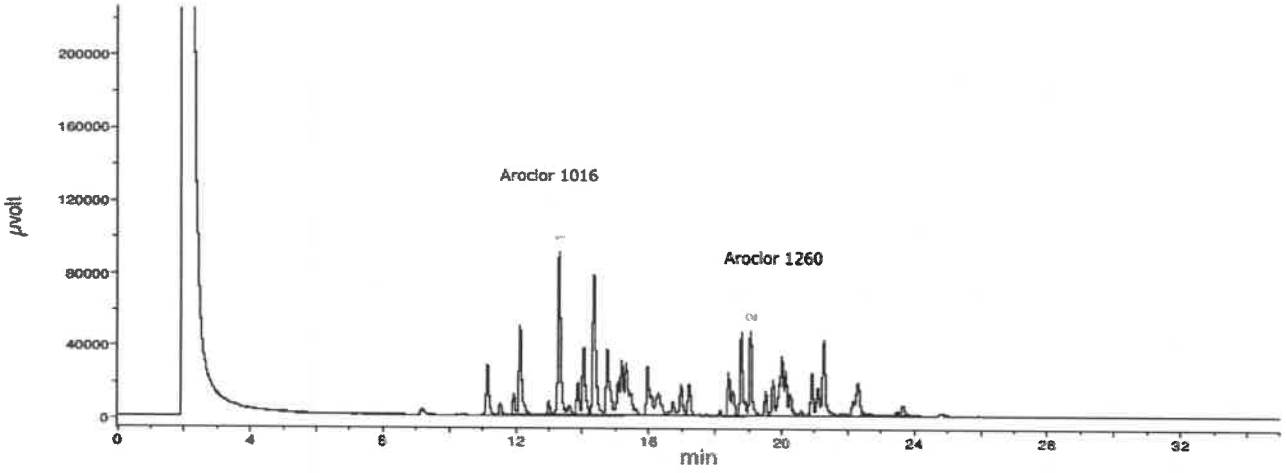
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

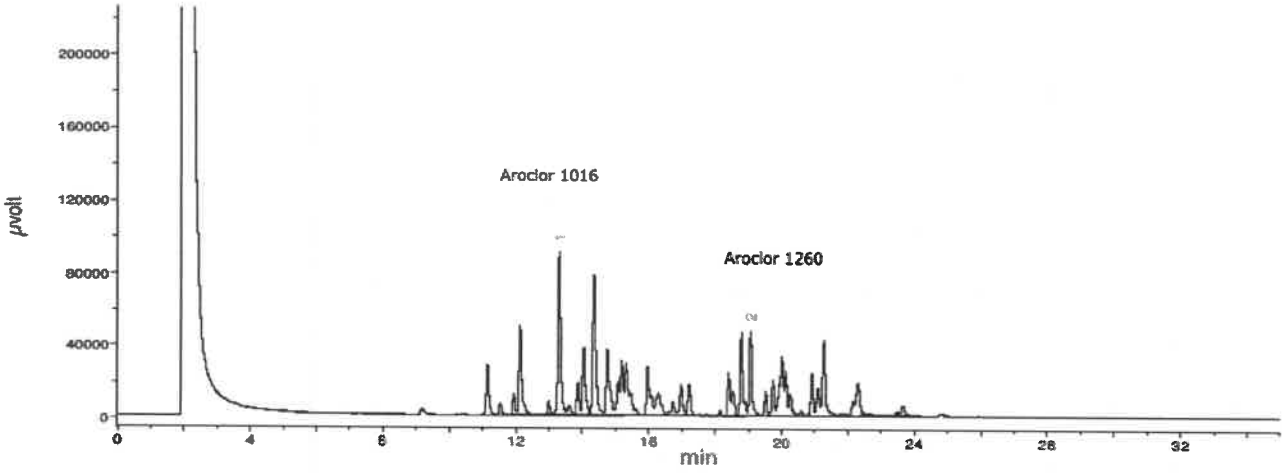
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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:	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

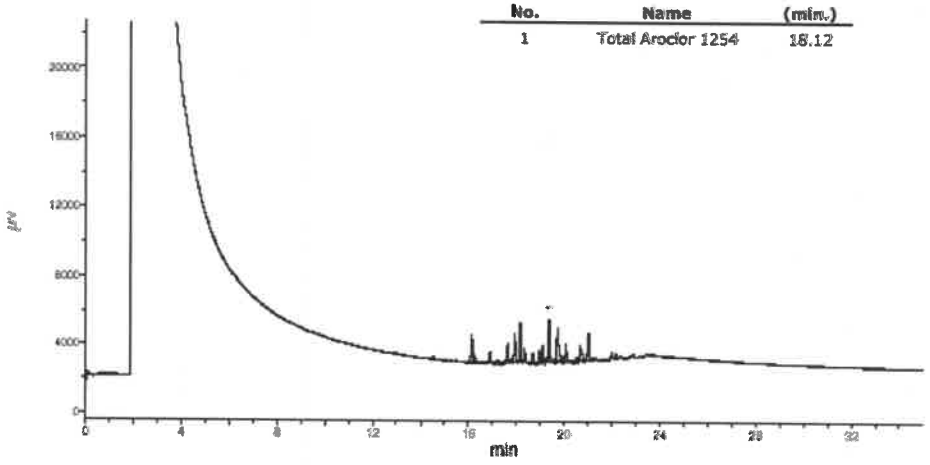
Note: Aroclor 1254 is a mix of isomers.

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

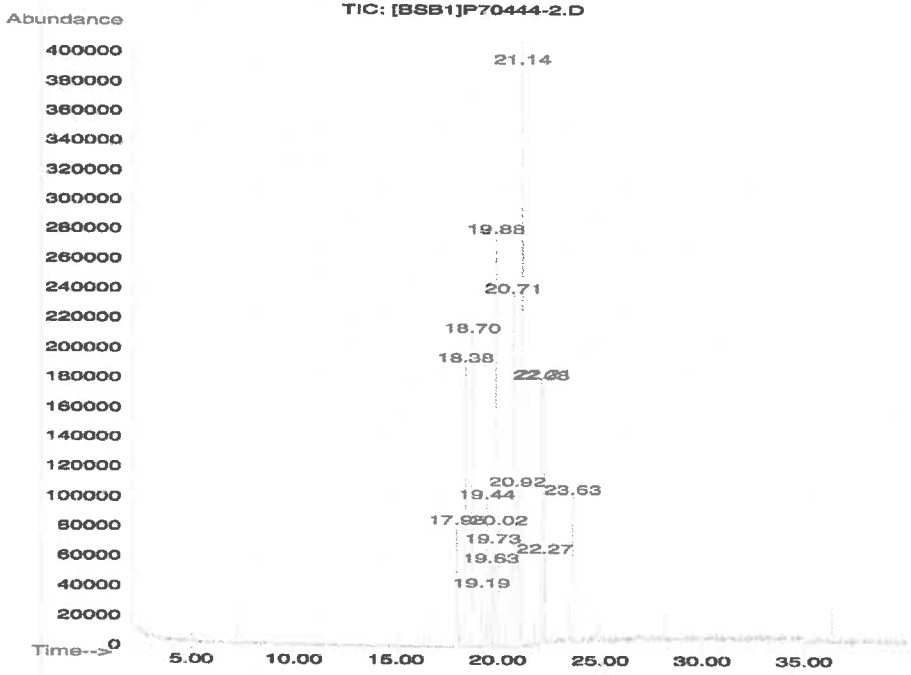
5E-05 Balance Uncertainty

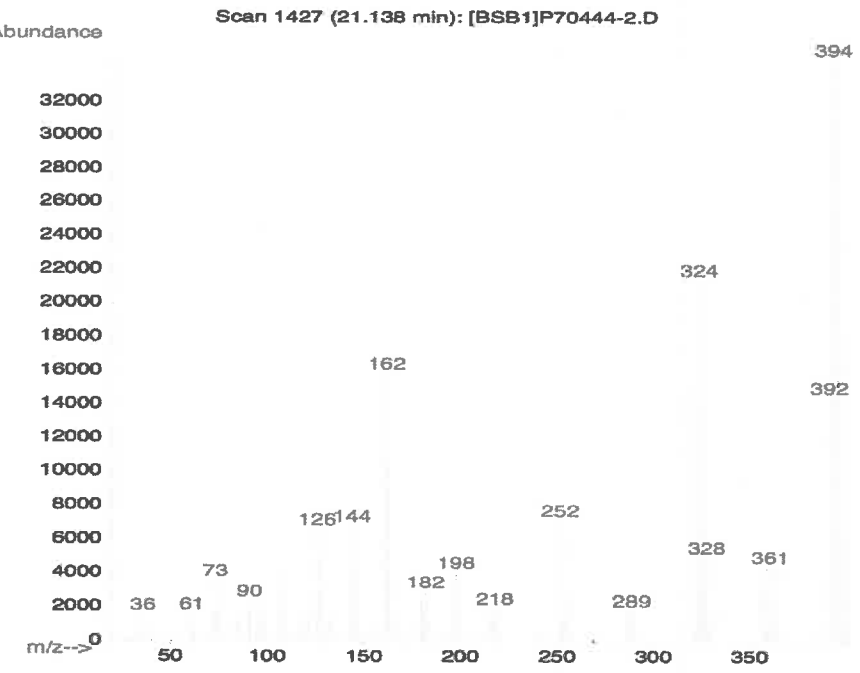
Formulated By: Prashant Chauhan	112322 DATE
Reviewed By: Pedro L. Rentas	112322 DATE

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





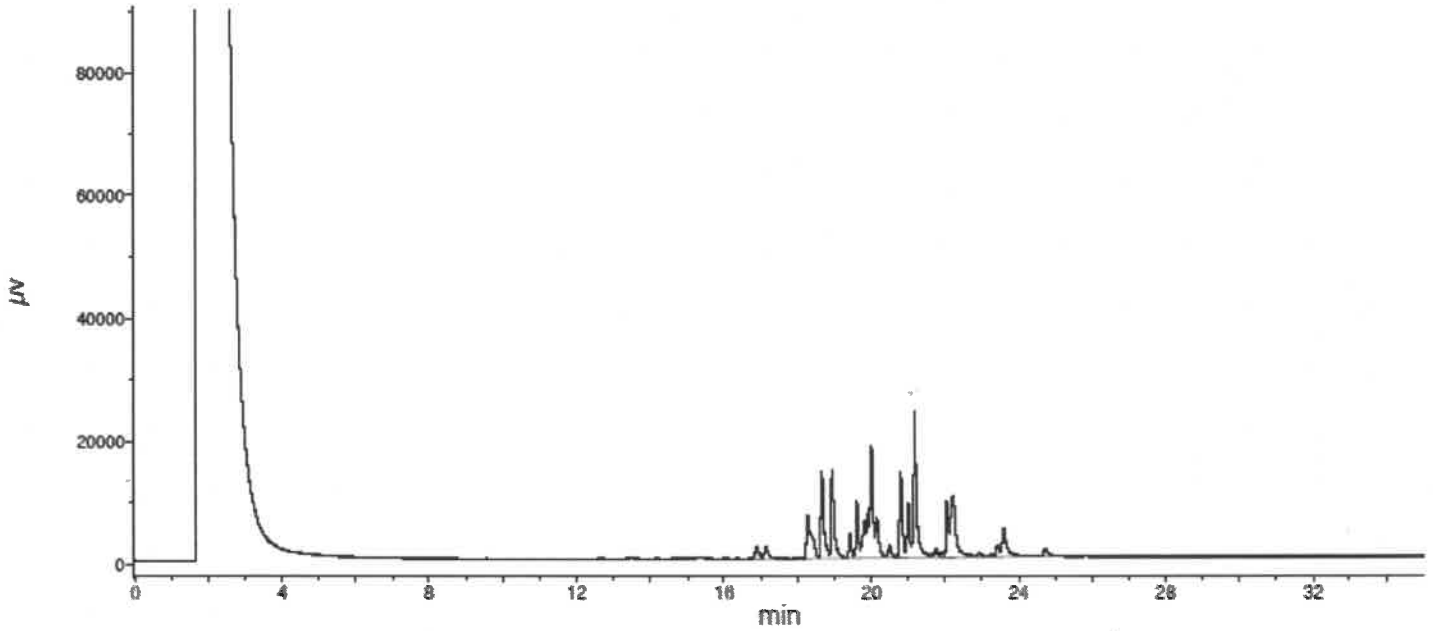
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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.)

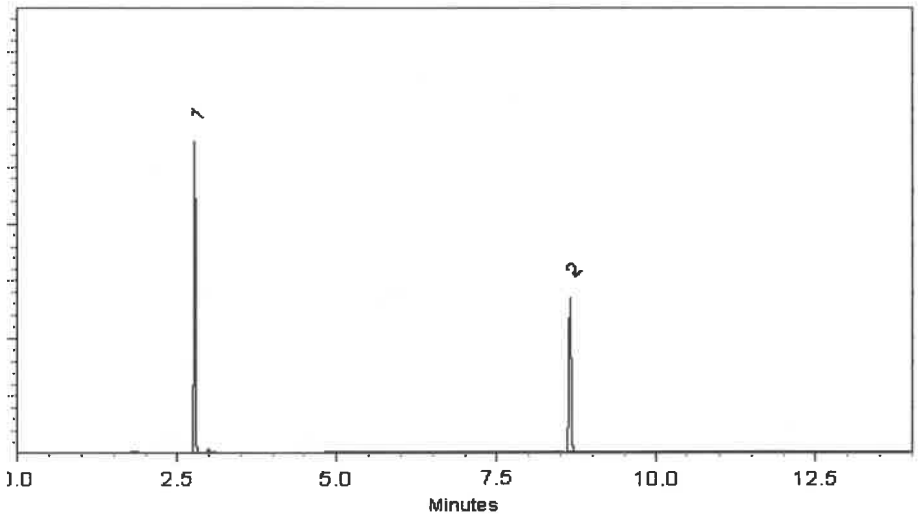
Inj. Temp:
250°C

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

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.)

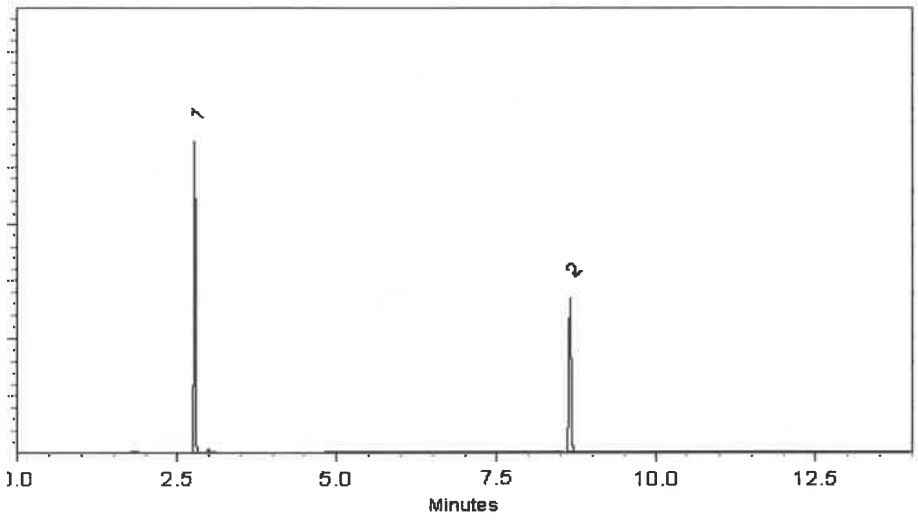
Inj. Temp:
250°C

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

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

Q1572

USEPA CLP COC (LAB COPY)
DateShipped: 3/13/2025
CarrierName: FedEx
AirbillNo: 7726 7523 8653

CHAIN OF CUSTODY RECORD

DAS #: R36884
Cooler #: 2

No: 3-031225-170018-0003
Lab: Alliance Technical Group, LLC
Lab Contact: Yazmeen Gomez
Lab Phone: (908) 728-3147

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
AWS-SS-03-D	C0AC9	Soil/ START	Grab	PCB A (s)(3)	1057 (<6 C) (1)	Filter Bed #2	03/12/2025 12:00	
AWS-SS-01	C0O14	Soil/ START	Grab	PCB A (s)(3)	1000 (<6 C) (1)	Filter Bed #1	03/12/2025 09:07	
AWS-SS-02	C0O15	Soil/ START	Grab	PCB A (s)(3)	1002 (<6 C) (1)	Filter Bed #1	03/12/2025 09:22	
AWS-SS-03	C0O16	Soil/ START	Grab	PCB A (s)(3)	1003 (<6 C) (1)	Filter Bed #2	03/12/2025 09:50	
AWS-SS-04	C0O17	Soil/ START	Grab	PCB A (s)(3)	1004 (<6 C) (1)	Filter Bed #2	03/12/2025 10:10	
AWS-SS-05	C0O18	Soil/ START	Grab	PCB A (s)(3)	1005 (<6 C) (1)	Filter Bed #3A	03/12/2025 10:50	
AWS-SS-06	C0O19	Soil/ START	Grab	PCB A (s)(3)	1006 (<6 C) (1)	Filter Bed #3A	03/12/2025 11:05	
AWS-SS-07	C0O20	Soil/ START	Grab	PCB A (s)(3)	1007 (<6 C) (1)	Filter Bed #3A	03/12/2025 11:25	
AWS-SS-08	C0O21	Soil/ START	Grab	PCB A (s)(3)	1008 (<6 C) (1)	Filter Bed #3B	03/12/2025 13:42	
AWS-SS-09	C0O22	Soil/ START	Grab	PCB A (s)(3)	1009 (<6 C) (1)	Filter Bed #3B	03/12/2025 13:20	
AWS-SS-10	C0O23	Soil/ START	Grab	PCB A (s)(3)	1010 (<6 C) (1)	Filter Bed #3B	03/12/2025 12:55	
AWS-SS-11	C0O24	Soil/ START	Grab	PCB A (s)(3)	1011 (<6 C) (1)	Filter Bed #4	03/12/2025 15:20	
AWS-SS-12	C0O25	Soil/ START	Grab	PCB A (s)(3)	1012 (<6 C) (1)	Filter Bed #4	03/12/2025 15:00	
AWS-SS-13	C0O26	Soil/ START	Grab	PCB A (s)(3)	1013 (<6 C) (1)	Filter Bed #4	03/12/2025 14:40	
AWS-SS-14	C0O27	Soil/ START	Grab	PCB A (s)(3)	1014 (<6 C) (1)	E Facility Entrance	03/12/2025 08:46	
AWS-SS-15	C0O28	Soil/ START	Grab	PCB A (s)(3)	1015 (<6 C) (1)	W Facility Entrance	03/12/2025 08:25	

Sample(s) to be used for Lab QC: AWS-SS-08 Tag 1008	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: PCB A (s)=PCB Aroclors (s)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Tetra Tech	4/13/25, 1100		10:00 3-14-25	IR Gun #1 2.0°C
					Custody Seal Intact
					Temp Blank present

Tetra Tech Project Outline: R36884 **PO #: Alliance-24**

Laboratory Address and Contact	Tetra Tech Project Lead	Sample Coordinator
Alliance Technical Group, LLC 284 Sheffield St Mountainside, NJ 07092 Yazmeen Gomez (908) 728-3147 Yazmeen.Gomez@alliancetg.com	Brian Kolodne Tetra Tech 661 Andersen Dr Ste. 500 Pittsburgh, PA 15220 (303) 312-8847 Brian.Kolodne@tetratech.com	Ava Heiss (302) 397-1105 ava.heiss@tetratech.com

Site location: Pennsylvania

Please reference **R36884** on all deliverables (L4 reports, EDDs, invoice, login acknowledgement).

Sample Numbers:

These are the alphanumeric ids listed on the Chain of Custody (COC) in the 2nd column (ex. C0AA0). Please use these ids for all sample login acknowledgement forms, reports, and EDDs.

Reporting Limits (RL):

Laboratory will report non-detects at the RLs (adjusted RLs to account for % moisture, dilutions, sample volume if applicable) in the reports and EDD files. Results for non-detects in the EDDs should not be an empty cell, but should be reported as the RL (adjusted as necessary) with a "U" qualifier in the lab qualifier column. Analytical results are to be reported for detections below the reporting limit (RL) down to the method detection limit with a "J" flag.

Deliverables: Email a **Level 2 and 4 report with EDDs in EQuIS* format** to Ava Heiss and Brian Kolodne.
Sampling Dates: March 10, 2025 – March 14, 2025
Turnaround Time: 3 BD TAT for Preliminary Data; 15 BD TAT for Level 2, Level 4 reports, Equis EDDs

Parameter/Matrix	Method	Number of Samples
PCB Aroclors/Soil & Sediment	SW8082A	27 samples (plus 2 MSMSDs)
PCB Aroclors/Aqueous QC Blanks	SW8082A	3 samples

*EDD file in EPA Region 2 format (i.e., EQuis EDD, in excel). For instructions, click link:
*Region 2 format is the same as Region 3 format
(https://www.epa.gov/superfund/region-2-superfund-electronic-data-submission-documents

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148