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

Cover Page

Order ID : P4258

Project ID : Perth Amboy

Client : Roman E&G Corp

Lab Sample Number	Client Sample Number
P4258-01	Chamberlain Ave
P4258-02	Chamberlain Ave
P4258-03	Chamberlain Ave
P4258-04	Chamberlain Ave

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

Signature : _____

Date: 10/9/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: PCB

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Ignitability, Oil and Grease, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for PCB.

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

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

The Continuous Calibration File ID PP067441.D met the requirements except for Aroclor-1260(Peak-02),Aroclor-1260(Peak-03) is failing in 1st column but passing in 2nd column therefore no corrective action taken.

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

E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C,Lab notified this issue to the client. See the communication in shipping Document section.

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

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

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

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4258**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **NILESH PRAJAPATI** **Date:** **10/09/2024**

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

LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			PCB	8082A		10/02/24	10/02/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC
SUMMARY

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

Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP067251.D	PIBLK-PP067251.D	Tetrachloro-m-xylene	1	20	18.8	94		60	140
		Decachlorobiphenyl	1	20	21.3	106		60	140
		Tetrachloro-m-xylene	2	20	18.6	93		60	140
		Decachlorobiphenyl	2	20	21.2	106		60	140
I.BLK-PP067430.D	PIBLK-PP067430.D	Tetrachloro-m-xylene	1	20	16.2	81		60	140
		Decachlorobiphenyl	1	20	16.4	82		60	140
		Tetrachloro-m-xylene	2	20	16.0	80		60	140
		Decachlorobiphenyl	2	20	16.7	83		60	140
PB163832BL	PB163832BL	Tetrachloro-m-xylene	1	20	16.1	81		32	144
		Decachlorobiphenyl	1	20	16.8	84		32	175
		Tetrachloro-m-xylene	2	20	15.9	80		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
PB163832BS	PB163832BS	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	16.1	81		32	175
		Tetrachloro-m-xylene	2	20	17.3	86		32	144
		Decachlorobiphenyl	2	20	16.4	82		32	175
P4255-01MS	OR-03-100124MS	Tetrachloro-m-xylene	1	20	17.1	85		32	144
		Decachlorobiphenyl	1	20	13.5	68		32	175
		Tetrachloro-m-xylene	2	20	14.9	75		32	144
		Decachlorobiphenyl	2	20	12.3	62		32	175
P4255-01MSD	OR-03-100124MSD	Tetrachloro-m-xylene	1	20	17.3	87		32	144
		Decachlorobiphenyl	1	20	13.1	65		32	175
		Tetrachloro-m-xylene	2	20	14.9	75		32	144
		Decachlorobiphenyl	2	20	12.3	61		32	175
I.BLK-PP067445.D	PIBLK-PP067445.D	Tetrachloro-m-xylene	1	20	16.5	82		60	140
		Decachlorobiphenyl	1	20	16.1	81		60	140
		Tetrachloro-m-xylene	2	20	16.4	82		60	140
		Decachlorobiphenyl	2	20	16.5	82		60	140
P4258-03	Chamberlain Ave	Tetrachloro-m-xylene	1	20	14.3	72		32	144
		Decachlorobiphenyl	1	20	13.1	66		32	175
		Tetrachloro-m-xylene	2	20	14.2	71		32	144
		Decachlorobiphenyl	2	20	13.5	68		32	175
I.BLK-PP067456.D	PIBLK-PP067456.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	16.5	83		60	140
		Tetrachloro-m-xylene	2	20	16.3	81		60	140
		Decachlorobiphenyl	2	20	16.7	84		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.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A **DataFile :** PP067436.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OR-03-100124MS**											
P4255-01MS	AR1016	188.8	0	144	ug/kg	76				55	146	
	AR1260	188.8	0	116	ug/kg	61				45	144	

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.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A **DataFile :** PP067437.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:	**OR-03-100124MSD**											
P4255-01MSD	AR1016	189.1	0	143	ug/kg	76		0		55	146	20
	AR1260	189.1	0	104	ug/kg	55		10		45	144	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.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A **Datafile :** PP067432.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163832BS	AR1016	166.5	122	ug/kg	73				71	120	
	AR1260	166.5	110	ug/kg	66				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.

PB163832BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163832BL Lab File ID: PP067431.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/02/2024

Date Analyzed (1): 10/02/2024 Date Analyzed (2): 10/02/2024

Time Analyzed (1): 14:54 Time Analyzed (2): 14:54

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
PB163832BS	PB163832BS	PP067432.D	10/02/2024	10/02/2024
OR-03-100124MS	P4255-01MS	PP067436.D	10/02/2024	10/02/2024
OR-03-100124MSD	P4255-01MSD	PP067437.D	10/02/2024	10/02/2024
Chamberlain Ave	P4258-03	PP067446.D	10/02/2024	10/02/2024

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PP067446.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067446.D	1	10/02/24 08:30	10/02/24 23:15	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.7	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.7	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.7	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.7	ug/kg
12672-29-6	Aroclor-1248	9.20	U	9.20	19.7	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	19.7	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.7	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.3		32 - 144	72%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		32 - 175	68%	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: **PP067446.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 23:15
Operator : YP\AJ
Sample : P4258-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:20:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.050	19247595	21181524	14.320	14.176
2)	SA Decachlor...	10.660	9.217	19020608	18624385	13.102	13.515m
	Target Compounds						

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

Sample Results: **PP067446.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 23:15
Operator : YP\AJ
Sample : P4258-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

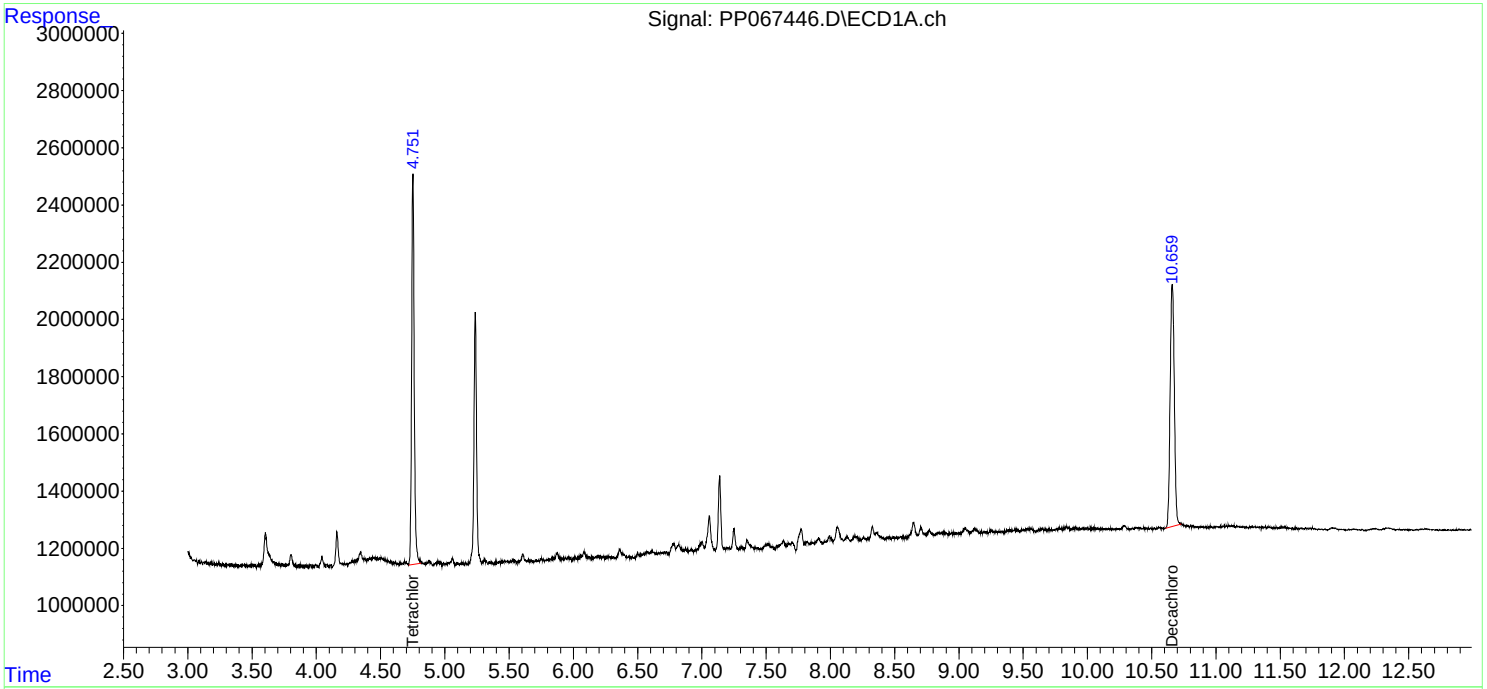
Instrument :
ECD_P
ClientSampleId :
Chamberlain Ave

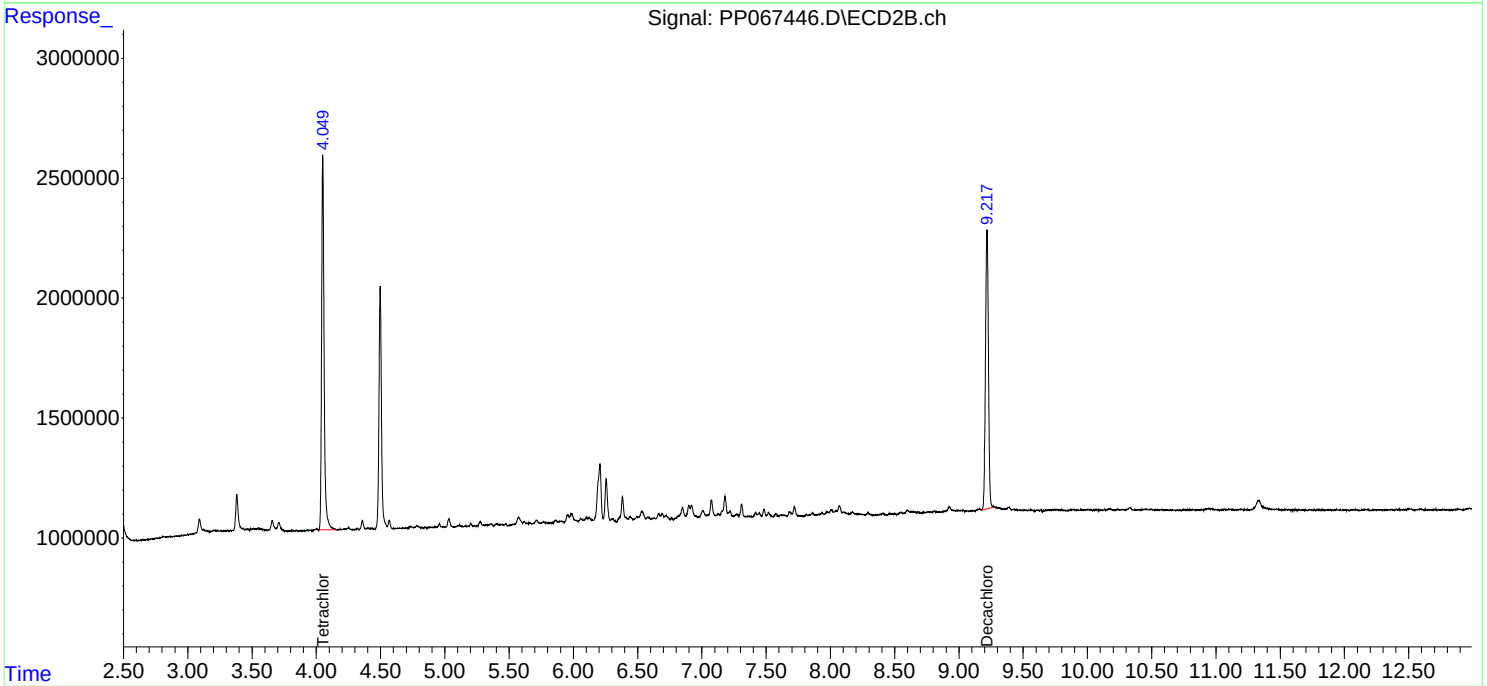
Manual Integrations APPROVED

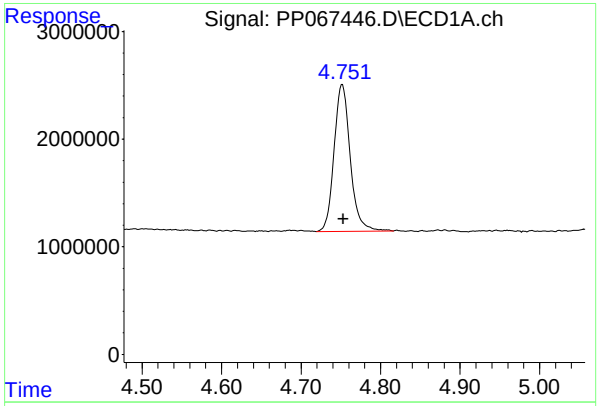
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:20:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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







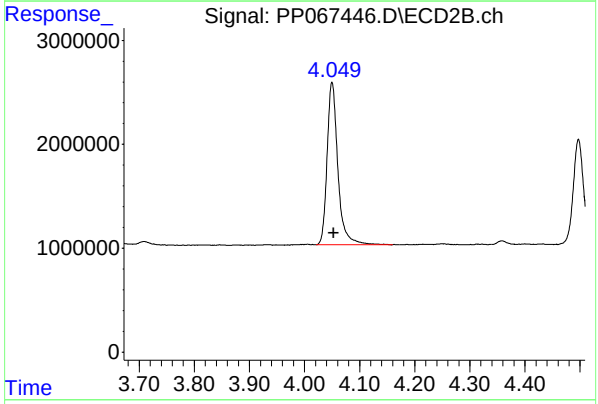
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: -0.001 min
Response: 19247595
Conc: 14.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
Chamberlain Ave

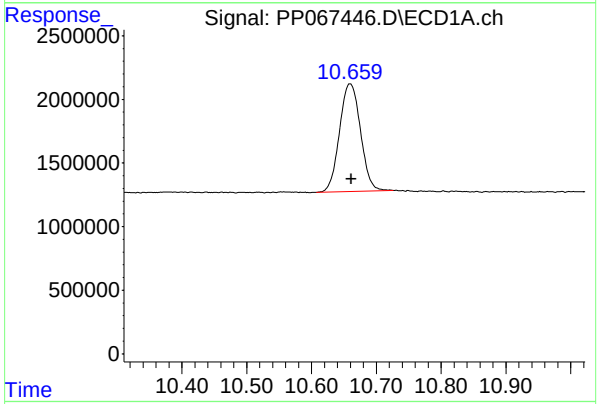
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024



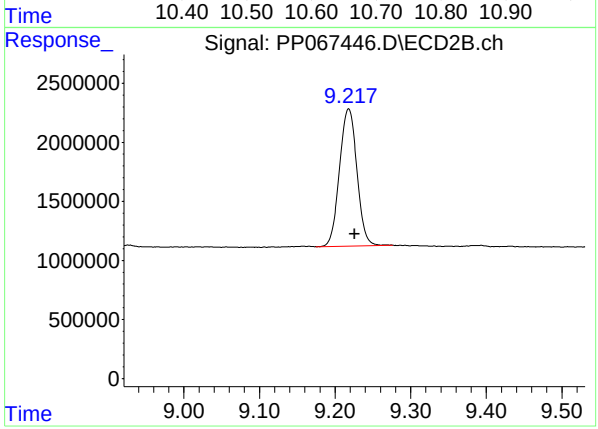
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.003 min
Response: 21181524
Conc: 14.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.660 min
Delta R.T.: -0.002 min
Response: 19020608
Conc: 13.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: -0.009 min
Response: 18624385
Conc: 13.52 ng/ml m

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: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

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

LAB FILE ID: RT 1000 = PP067252.D RT 750 = PP067253.D

RT 500 = PP067254.D RT 250 = PP067255.D RT 050 = PP067256.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-3	(3)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1016-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1016-5	(5)	6.39	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1260-3	(3)	8.13	8.13	8.13	8.13	8.13	8.13	8.03	8.23
Aroclor-1260-4	(4)	8.37	8.37	8.37	8.37	8.37	8.37	8.27	8.47
Aroclor-1260-5	(5)	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Decachlorobiphenyl		10.66	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1242-3	(3)	6.01	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1242-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1248-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.83	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.66	10.66	10.66	10.66	10.67	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1254-1	(1)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1254-2	(2)	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.05	8.05	8.05	8.05	8.05	8.05	7.95	8.15
Decachlorobiphenyl		10.66	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1268-1	(1)	9.04	9.04	9.04	9.04	9.04	9.04	8.94	9.14
Aroclor-1268-2	(2)	9.14	9.14	9.14	9.14	9.14	9.14	9.04	9.24
Aroclor-1268-3	(3)	9.39	9.39	9.39	9.39	9.39	9.39	9.29	9.49
Aroclor-1268-4	(4)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
Aroclor-1268-5	(5)	10.29	10.29	10.29	10.29	10.29	10.29	10.19	10.39

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.66	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85

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: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

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

LAB FILE ID: RT 1000 = PP067252.D RT 750 = PP067253.D

RT 500 = PP067254.D RT 250 = PP067255.D RT 050 = PP067256.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.37	5.37	5.37	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
Aroclor-1260-2	(2)	6.85	6.85	6.86	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Aroclor-1260-5	(5)	7.73	7.73	7.73	7.73	7.73	7.73	7.63	7.83
Decachlorobiphenyl		9.23	9.23	9.23	9.22	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.37	5.37	5.37	5.36	5.37	5.37	5.27	5.47
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.45	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.23	9.23	9.23	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.45	5.45	5.45	5.45	5.45	5.45	5.35	5.55
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.23	9.22	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-3	(3)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1254-4	(4)	6.77	6.77	6.77	6.76	6.77	6.77	6.67	6.87
Aroclor-1254-5	(5)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Decachlorobiphenyl		9.23	9.23	9.23	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.08	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Aroclor-1268-3	(3)	8.30	8.30	8.30	8.30	8.30	8.30	8.20	8.40
Aroclor-1268-4	(4)	8.61	8.61	8.61	8.61	8.60	8.61	8.51	8.71
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.93	8.93	8.93	8.83	9.03

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.23	9.23	9.23	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

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: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

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

LAB FILE ID: **CF 1000 =** PP067252.D **CF 750 =** PP067253.D

CF 500 = PP067254.D **CF 250 =** PP067255.D **CF 050 =** PP067256.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	44419111	47843915	48463766	51457240	46214600	47679726	6
Aroclor-1016-2	(2)	66273346	69936809	70695050	74503600	64800180	69241797	6
Aroclor-1016-3	(3)	42126964	44870201	45584096	48480564	42289060	44670177	6
Aroclor-1016-4	(4)	34486401	36688400	37384872	38804648	32312260	35935316	7
Aroclor-1016-5	(5)	35241870	36831423	36565640	40574232	35035380	36849709	6
Aroclor-1260-1	(1)	72804474	74636249	76976410	86724760	82770500	78782479	7
Aroclor-1260-2	(2)	83283968	85879869	87579650	96576876	102407900	91145653	9
Aroclor-1260-3	(3)	59203825	61727104	62206822	68594056	64118760	63170113	6
Aroclor-1260-4	(4)	71691054	72427019	74993884	82954028	75461040	75505405	6
Aroclor-1260-5	(5)	126425614	128097603	125670370	136734476	130449300	129475473	3
Decachlorobiphenyl		1428986690	1451331547	1388207880	1534539680	1455479200	1451708999	4
Tetrachloro-m-xylene		1320948110	1333938373	1371732600	1421719440	1272137200	1344095145	4
Aroclor-1242-1	(1)	32590287	35438405	35684390	39394724	34704880	35562537	7
Aroclor-1242-2	(2)	49525733	51136908	52275440	56483700	52175500	52319456	5
Aroclor-1242-3	(3)	31537636	33210816	33798564	37146508	34712320	34081169	6
Aroclor-1242-4	(4)	25485111	27097747	27716496	29942828	26887540	27425944	6
Aroclor-1242-5	(5)	27959336	29744957	29619882	31303116	30181720	29761802	4
Decachlorobiphenyl		1228628910	1282332080	1315551520	1436258040	1400909800	1332736070	6
Tetrachloro-m-xylene		1274763390	1308384813	1318477360	1378792040	1190196800	1294122881	5
Aroclor-1248-1	(1)	26142314	28136507	28756662	30766392	27373520	28235079	6
Aroclor-1248-2	(2)	40429411	43430761	45434880	48587248	44092000	44394860	7
Aroclor-1248-3	(3)	45010600	48345327	50727652	53116168	45420600	48524069	7
Aroclor-1248-4	(4)	49122151	51881811	54829062	58556964	56908720	54259742	7
Aroclor-1248-5	(5)	48706813	52366436	54707374	56932820	63007200	55144129	10
Decachlorobiphenyl		1179855010	1266318733	1362655540	1467619240	1518349400	1358959585	10
Tetrachloro-m-xylene		1257022680	1308333093	1315308180	1318520440	1300100000	1299856879	2
Aroclor-1254-1	(1)	54370186	59336697	64783254	66257520	66769100	62303351	9
Aroclor-1254-2	(2)	81855852	84674907	91938532	99456720	95746360	90734474	8
Aroclor-1254-3	(3)	85913006	89279845	95579072	101841008	96380160	93798618	7
Aroclor-1254-4	(4)	61059801	62216724	67990500	72965140	68987480	66643929	7
Aroclor-1254-5	(5)	73231896	75975464	84633810	92281900	84856400	82195894	9
Decachlorobiphenyl		1252633320	1291359093	1426357700	1567389680	1561818000	1419911559	10
Tetrachloro-m-xylene		1274651600	1302777227	1369214640	1398315920	1230485000	1315088877	5
Aroclor-1268-1	(1)	175908119	184905628	198548274	210006300	193282300	192530124	7

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	156842145	165093857	177267534	186684644	167072200	170592076	7
Aroclor-1268-3	(3)	135684912	143226937	158093186	164596312	151221780	150564625	8
Aroclor-1268-4	(4)	56156840	60654088	65088082	69244892	53115220	60851824	11
Aroclor-1268-5	(5)	402419786	420609543	444259204	469029060	423811480	432025815	6
Decachlorobiphenyl		1995353170	2111300013	2288684640	2485300560	2316967800	2239521237	9
Tetrachloro-m-xylene		1269582350	1281467173	1329784700	1362552800	1155860600	1279849525	6

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: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

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

LAB FILE ID: **CF 1000 =** PP067252.D **CF 750 =** PP067253.D

CF 500 = PP067254.D **CF 250 =** PP067255.D **CF 050 =** PP067256.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	47507624	50065296	50596566	56447684	53276980	51578830	7
Aroclor-1016-2	(2)	67054634	70699065	70688422	75675856	71402760	71104147	4
Aroclor-1016-3	(3)	37686975	39498207	39671004	43195096	38937580	39797772	5
Aroclor-1016-4	(4)	31659913	33241739	34193378	38223664	35326760	34529091	7
Aroclor-1016-5	(5)	39859554	41288944	42279940	47109232	44012600	42910054	7
Aroclor-1260-1	(1)	76704775	76744993	79629732	88860204	87077780	81803497	7
Aroclor-1260-2	(2)	88692208	89174457	90577018	100949340	100329460	93944497	7
Aroclor-1260-3	(3)	87237954	86709761	88200132	98147496	92681860	90595441	5
Aroclor-1260-4	(4)	64325827	63516555	64916068	72170496	68474160	66680621	5
Aroclor-1260-5	(5)	143340290	143126123	140670062	152771532	148018120	145585225	3
Decachlorobiphenyl		1286582750	1372480587	1327626500	1467729840	1435706000	1378025135	5
Tetrachloro-m-xylene		1462340340	1484383840	1501244320	1587440040	1435319800	1494145668	4
Aroclor-1242-1	(1)	35183205	36871547	37882946	42238536	39553660	38345979	7
Aroclor-1242-2	(2)	48701033	51295347	52516600	57501448	51827220	52368330	6
Aroclor-1242-3	(3)	27626744	29298227	29834082	32375592	29468800	29720689	6
Aroclor-1242-4	(4)	28951851	31055845	32149928	35455392	33280540	32178711	8
Aroclor-1242-5	(5)	34473679	37292215	38185746	41782456	39156820	38178183	7
Decachlorobiphenyl		1192213450	1244799987	1277145640	1395684640	1393433600	1300655463	7
Tetrachloro-m-xylene		1390273470	1434732867	1457949020	1541345360	1399576200	1444775383	4
Aroclor-1248-1	(1)	27588187	29574940	31091976	33170676	31703540	30625864	7
Aroclor-1248-2	(2)	40345419	43286764	45479288	49885104	47841840	45367683	8
Aroclor-1248-3	(3)	42187695	45333489	47552076	51799776	49806180	47335843	8
Aroclor-1248-4	(4)	49076618	52617733	55044738	59607604	55193140	54307967	7
Aroclor-1248-5	(5)	44447724	47412072	49239092	53031592	49561920	48738480	6
Decachlorobiphenyl		1148423880	1228734080	1317796480	1434839040	1432111000	1312380896	10
Tetrachloro-m-xylene		1386396710	1440109453	1444296880	1496590320	1361770200	1425832713	4
Aroclor-1254-1	(1)	72410325	75156131	82001486	88732416	87005480	81061168	9
Aroclor-1254-2	(2)	65042328	67686927	74211806	81368784	78402740	73342517	9
Aroclor-1254-3	(3)	103377816	106525328	115857578	124448572	119885800	114019019	8
Aroclor-1254-4	(4)	57019875	58844723	63158998	69623192	63428600	62415078	8
Aroclor-1254-5	(5)	94217776	96861493	106044638	113458560	102765100	102669513	7
Decachlorobiphenyl		1217083410	1264809373	1392461240	1523977680	1504204800	1380507301	10
Tetrachloro-m-xylene		1404767980	1441205667	1507072340	1548308360	1404292800	1461129429	4
Aroclor-1268-1	(1)	185241584	194268752	208513166	215875424	203147560	201409297	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	164970336	174654029	185442450	191027352	178236640	178866161	6
Aroclor-1268-3	(3)	146694065	153538260	163846224	171430012	158826960	158867104	6
Aroclor-1268-4	(4)	60171176	63753664	68832810	72444200	57620380	64564446	9
Aroclor-1268-5	(5)	414150414	437759647	461679468	462522504	432852520	441792911	5
Decachlorobiphenyl		2014313240	2126447307	2276844760	2395709880	2294694800	2221601997	7
Tetrachloro-m-xylene		1381378820	1411462773	1475519260	1527573680	1367485400	1432683987	5

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Date(s) Analyzed:** 09/26/2024 09/26/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.96	4.86	5.06	16740700
		2	5.04	4.94	5.14	12669100
		3	5.12	5.02	5.22	38701400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	32063000
		2	5.65	5.55	5.75	17799400
		3	5.94	5.84	6.04	31612600
		4	6.10	6.00	6.20	16136900
		5	6.19	6.09	6.29	13528700
Aroclor-1262	500	1	8.37	8.27	8.47	95348600
		2	8.71	8.61	8.81	162249000
		3	9.05	8.95	9.15	117480000
		4	9.14	9.04	9.24	92486400
		5	9.84	9.74	9.94	61222600

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Date(s) Analyzed:** 09/26/2024 09/26/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.27	4.17	4.37	19118000
		2	4.36	4.26	4.46	14671200
		3	4.44	4.34	4.54	43363800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.44	4.34	4.54	35971200
		2	5.18	5.08	5.28	33127600
		3	5.36	5.26	5.46	17965800
		4	5.45	5.35	5.55	17488700
		5	5.62	5.52	5.72	18776200
Aroclor-1262	500	1	7.23	7.13	7.33	105179000
		2	7.49	7.39	7.59	94676000
		3	8.01	7.91	8.11	73351600
		4	8.08	7.98	8.18	131798000
		5	8.61	8.51	8.71	60759600

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 16:35
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: Sep 27 01:14:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	132.1E6	146.2E6	98.114	98.687
2)	SA Decachlor...	10.661	9.226	142.9E6	128.7E6	101.447	98.430
	Target Compounds						
3)	L1 AR-1016-1	5.916	5.164	44419111	47507624	956.454	968.514
4)	L1 AR-1016-2	5.938	5.184	66273346	67054634	967.717	973.619
5)	L1 AR-1016-3	6.002	5.364	42126964	37686975	960.585	974.353
6)	L1 AR-1016-4	6.100	5.403	34486401	31659913	959.671	961.529
7)	L1 AR-1016-5	6.394	5.623	35241870	39859554	981.565	970.533
31)	L7 AR-1260-1	7.517	6.668	72804474	76704775	972.146	981.290
32)	L7 AR-1260-2	7.770	6.854	83283968	88692208	974.859	989.486
33)	L7 AR-1260-3	8.131	7.012	59203825	87237954	975.266	994.516
34)	L7 AR-1260-4	8.370	7.487	71691054	64325827	977.484	995.433
35)	L7 AR-1260-5	8.706	7.725	126.4E6	143.3E6	1002.996	1009.402

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

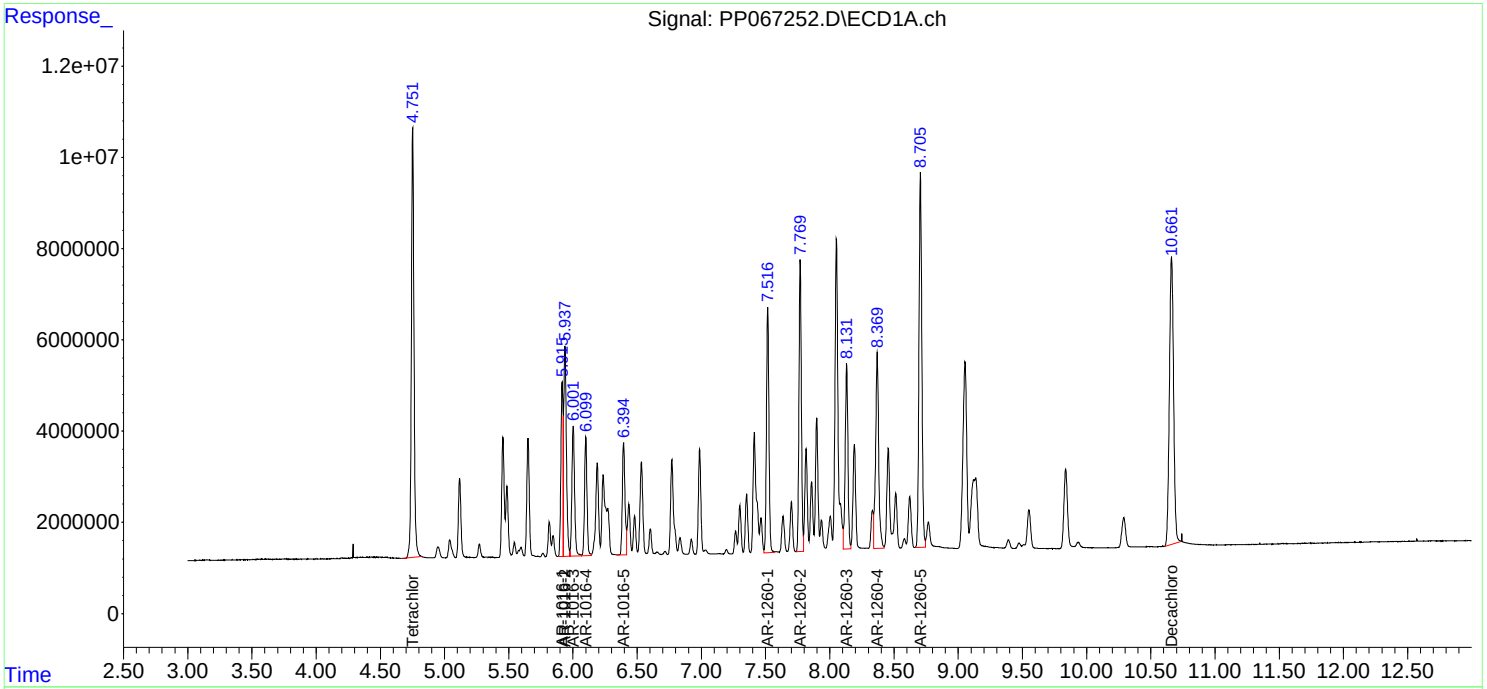
ICAL Form

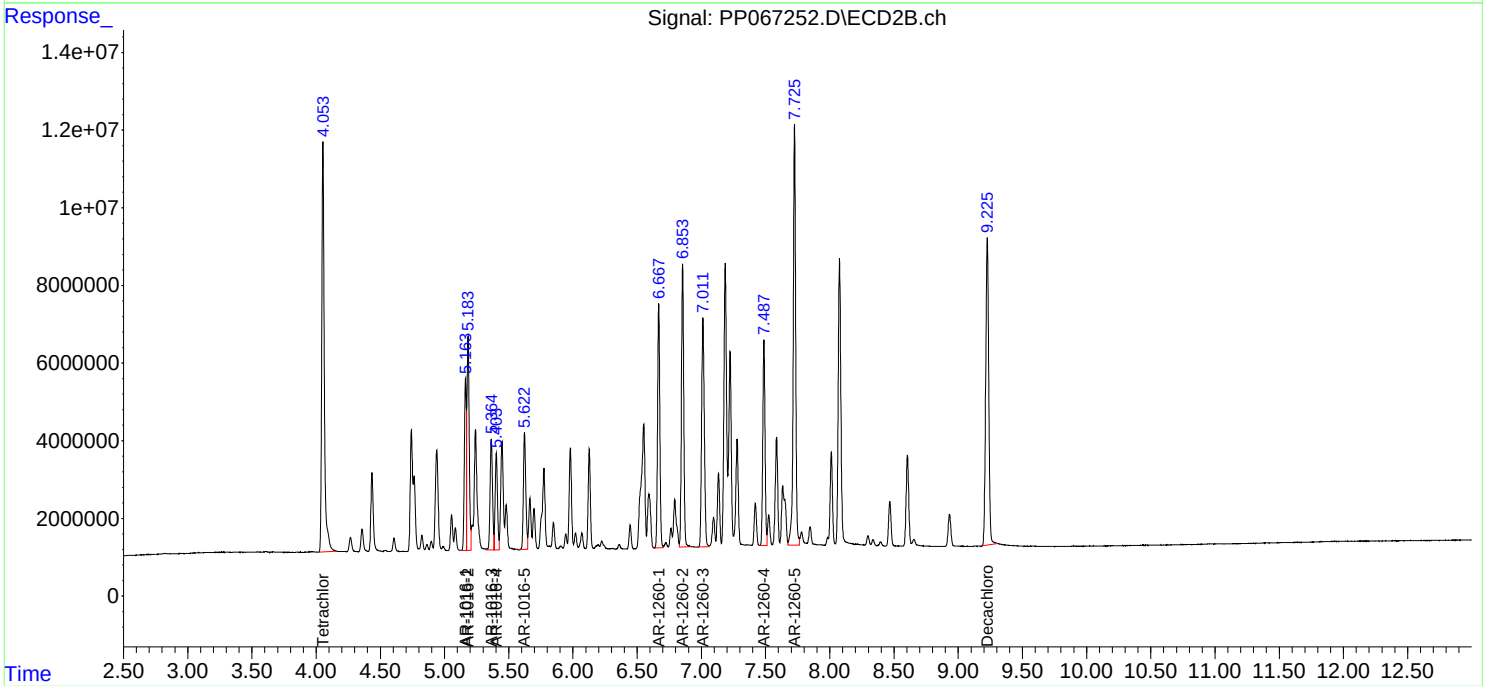
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 16:35
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:14:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 16:51
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: Sep 27 01:24:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	100.0E6	111.3E6	74.538	75.087
2)	SA Decachlor...	10.660	9.226	108.8E6	102.9E6	76.502	77.460
	Target Compounds						
3)	L1 AR-1016-1	5.917	5.162	35882936	37548972	764.949	760.257
4)	L1 AR-1016-2	5.940	5.183	52452607	53024299	760.531	763.151
5)	L1 AR-1016-3	6.003	5.363	33652651	29623655	761.480	760.516
6)	L1 AR-1016-4	6.101	5.402	27516300	24931304	760.401	754.770
7)	L1 AR-1016-5	6.395	5.622	27623567	30966708	762.809	752.664
31)	L7 AR-1260-1	7.518	6.667	55977187	57558745	748.301	740.847
32)	L7 AR-1260-2	7.772	6.853	64409902	66880843	752.618	747.429
33)	L7 AR-1260-3	8.133	7.011	46295328	65032321	758.369	744.225
34)	L7 AR-1260-4	8.370	7.487	54320264	47637416	743.733	741.406
35)	L7 AR-1260-5	8.707	7.725	96073202	107.3E6	758.086	753.936

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

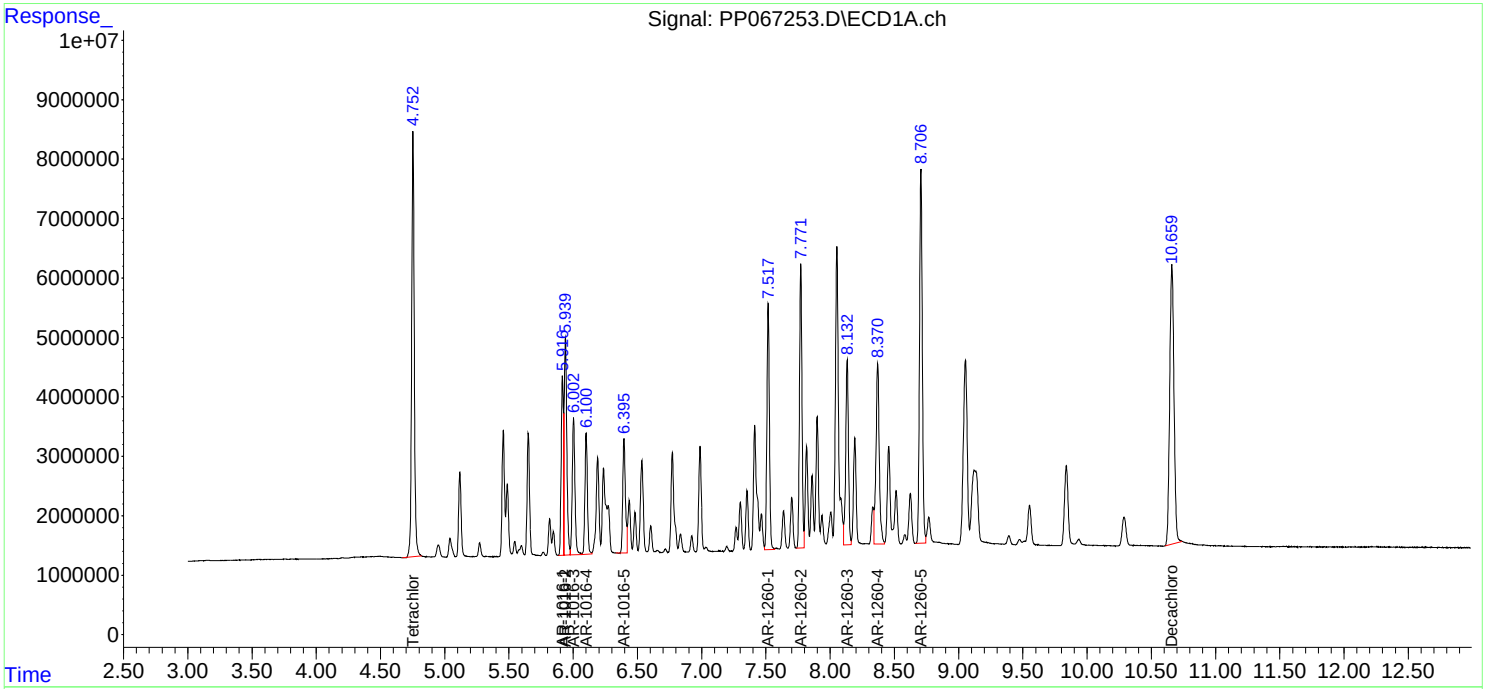
ICAL Form

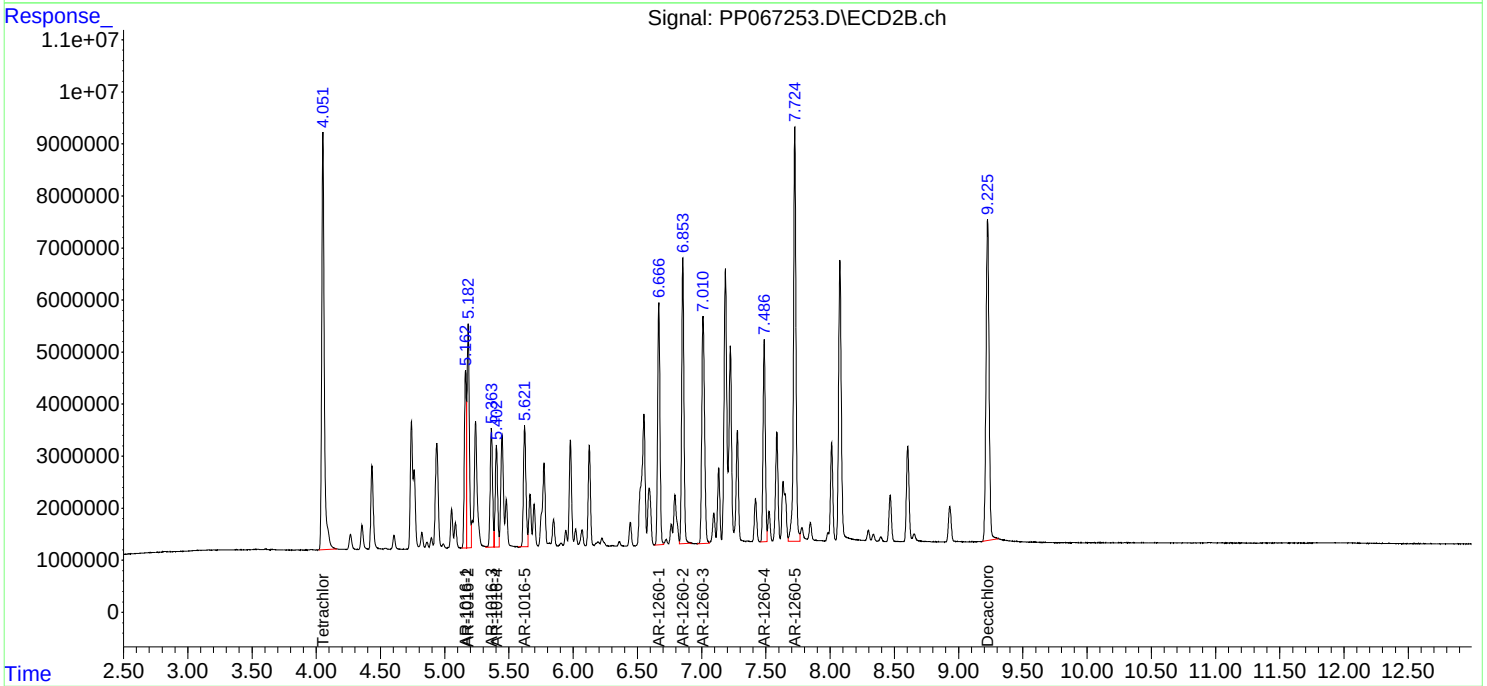
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 16:51
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:24:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:08
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: Sep 27 01:12:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.753	4.053	68586630	75062216	50.000	50.000
2) SA	Decachlor...	10.661	9.226	69410394	66381325	50.000	50.000
	Target Compounds						
3) L1	AR-1016-1	5.917	5.164	24231883	25298283	500.000	500.000
4) L1	AR-1016-2	5.940	5.184	35347525	35344211	500.000	500.000
5) L1	AR-1016-3	6.003	5.365	22792048	19835502	500.000	500.000
6) L1	AR-1016-4	6.102	5.404	18692436	17096689	500.000	500.000
7) L1	AR-1016-5	6.396	5.624	18282820	21139970	500.000	500.000
31) L7	AR-1260-1	7.518	6.669	38488205	39814866	500.000	500.000
32) L7	AR-1260-2	7.772	6.855	43789825	45288509	500.000	500.000
33) L7	AR-1260-3	8.133	7.013	31103411	44100066	500.000	500.000
34) L7	AR-1260-4	8.371	7.488	37496942	32458034	500.000	500.000
35) L7	AR-1260-5	8.708	7.726	62835185	70335031	500.000	500.000

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

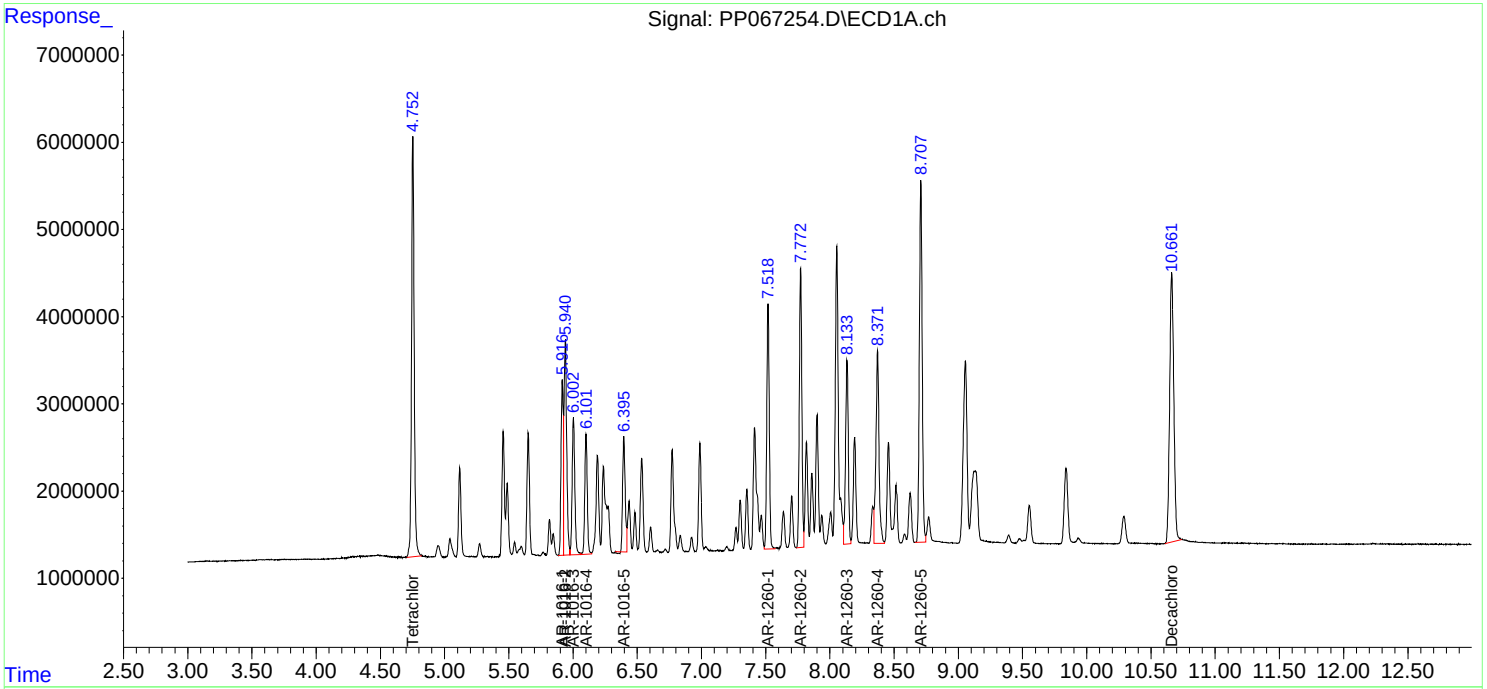
ICAL Form

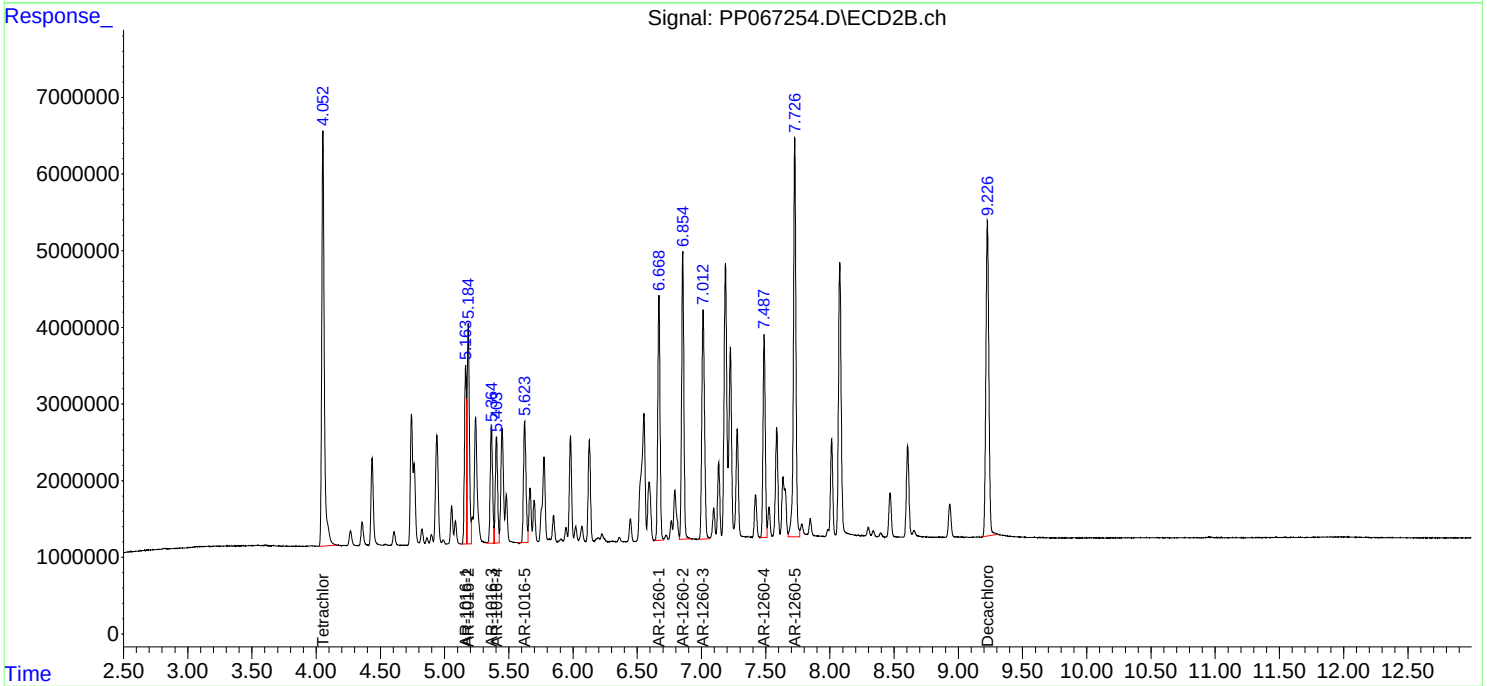
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:08
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:12:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:24
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:29:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.752	4.053	35542986	39686001	26.095	26.302
2) SA	Decachlor...	10.661	9.224	38363492	36693246	26.444	26.909
	Target Compounds						
3) L1	AR-1016-1	5.916	5.164	12864310	14111921	267.750	275.870
4) L1	AR-1016-2	5.938	5.184	18625900	18918964	264.752	266.354
5) L1	AR-1016-3	6.002	5.365	12120141	10798774	267.757	269.883
6) L1	AR-1016-4	6.100	5.403	9701162	9555916	263.325	278.357
7) L1	AR-1016-5	6.395	5.623	10143558	11777308	271.921	276.239
31) L7	AR-1260-1	7.518	6.668	21681190	22215051	278.731	276.015
32) L7	AR-1260-2	7.771	6.854	24144219	25237335	273.341	273.284
33) L7	AR-1260-3	8.132	7.012	17148514	24536874	272.489	272.408
34) L7	AR-1260-4	8.370	7.487	20738507	18042624	274.622	272.415
35) L7	AR-1260-5	8.707	7.725	34183619	38192883	264.514	263.441

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

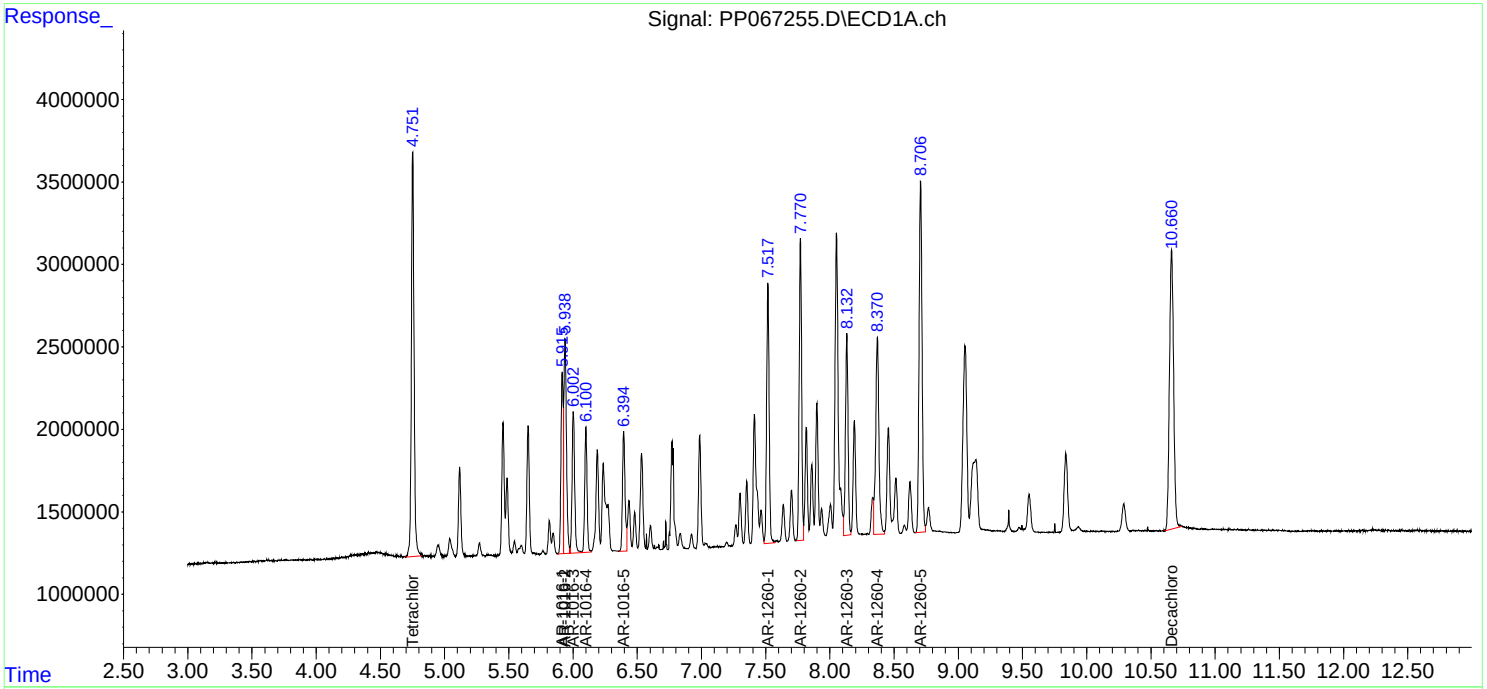
ICAL Form

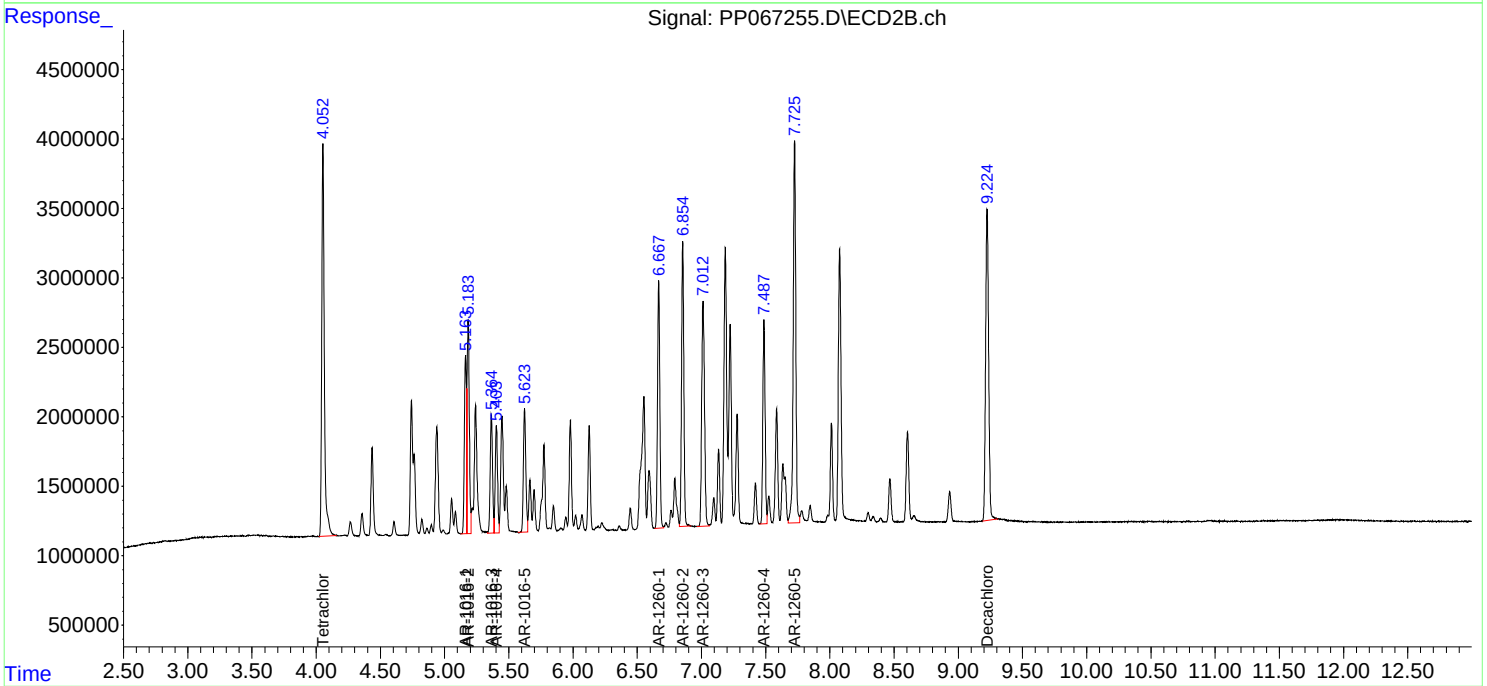
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:24
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:29:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:40
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:40:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.752	4.053	6360686	7176599	4.732	4.803
2) SA	Decachlor...	10.661	9.225	7277396	7178530	5.013	5.209
	Target Compounds						
3) L1	AR-1016-1	5.916	5.164	2310730	2663849	48.464	51.646
4) L1	AR-1016-2	5.940	5.184	3240009	3570138	46.793	50.210
5) L1	AR-1016-3	6.003	5.365	2114453	1946879	47.335	48.919
6) L1	AR-1016-4	6.101	5.404	1615613	1766338	44.959	51.155
7) L1	AR-1016-5	6.396	5.623	1751769	2200630	47.538	51.285
31) L7	AR-1260-1	7.518	6.669	4138525	4353889	52.531	53.224
32) L7	AR-1260-2	7.771	6.854	5120395	5016473	56.178	53.398
33) L7	AR-1260-3	8.133	7.013	3205938	4634093	50.751	51.152
34) L7	AR-1260-4	8.371	7.488	3773052	3423708	49.971	51.345
35) L7	AR-1260-5	8.707	7.726	6522465	7400906	50.376	50.836

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

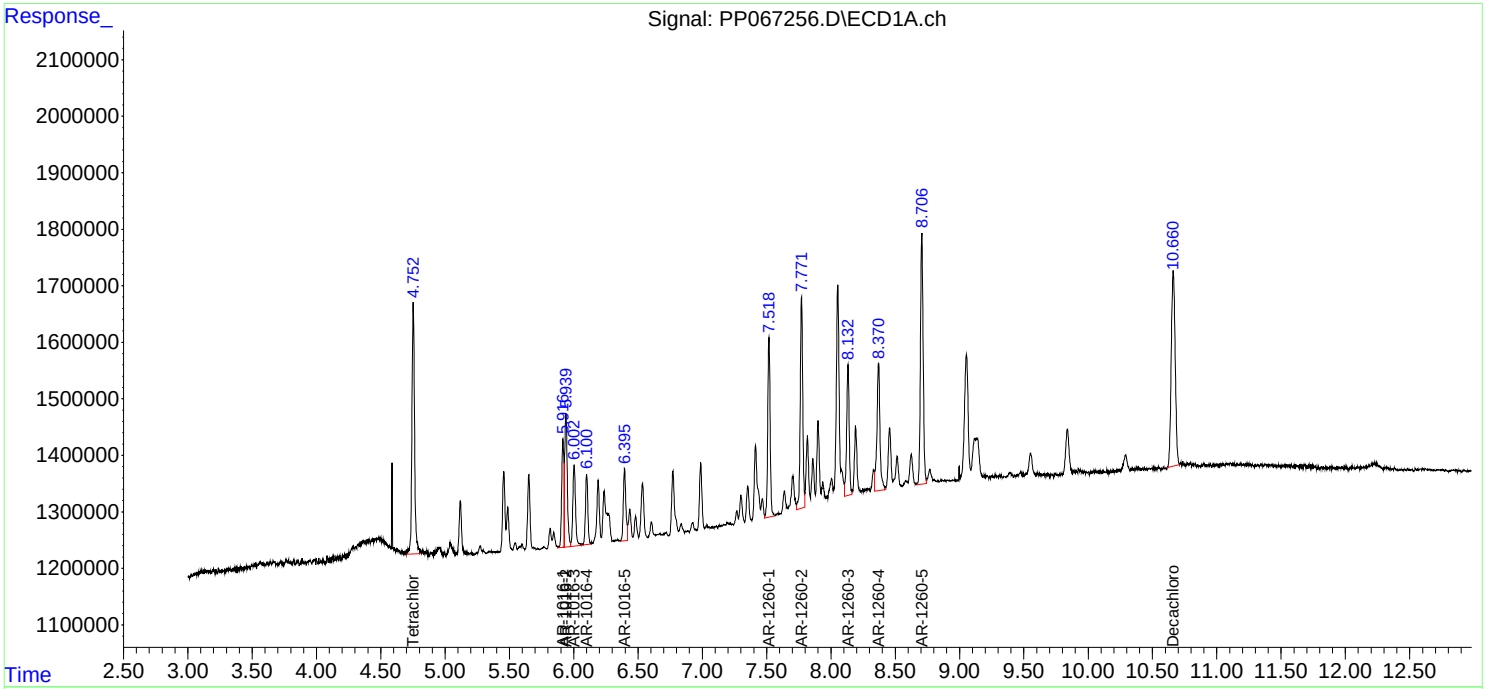
ICAL Form

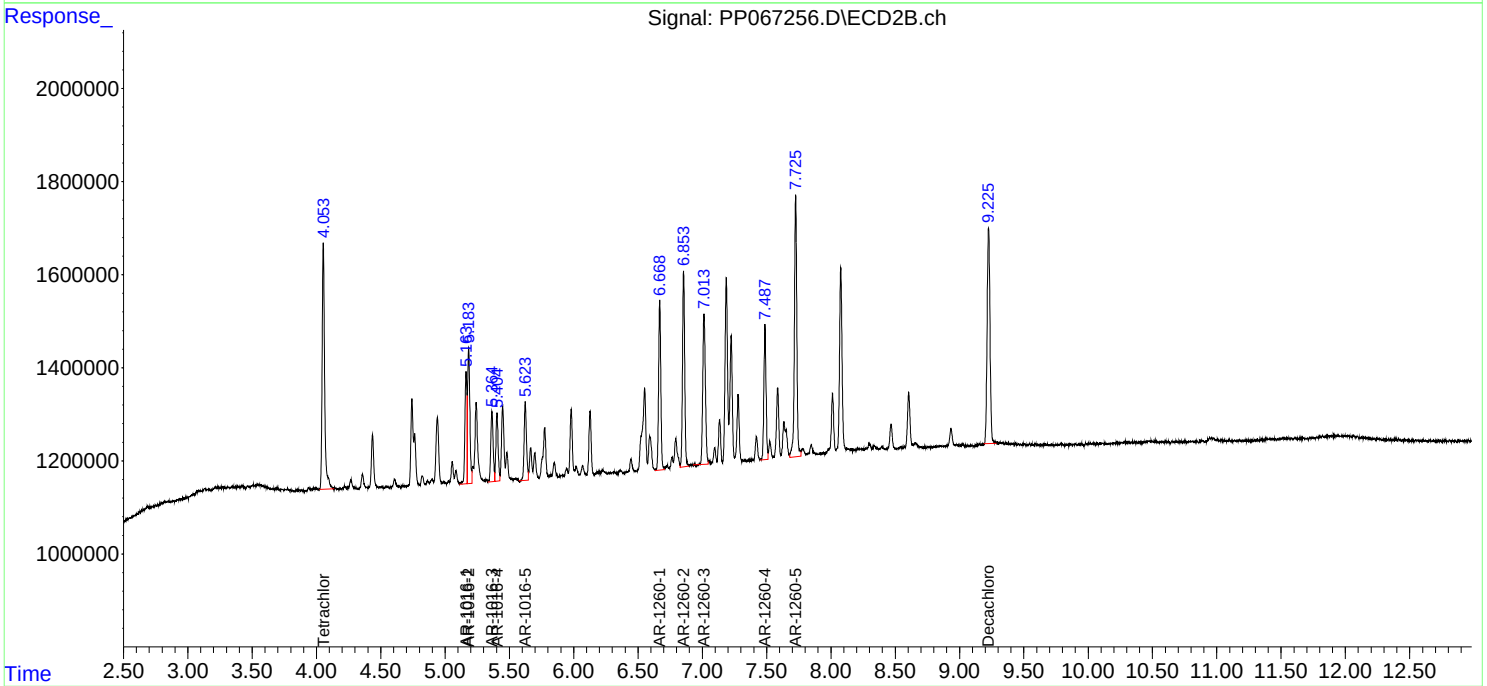
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:40
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:40:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:10:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:56
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: Sep 27 01:54:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:52:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	68719224	76932740	50.000	50.000
2)	SA Decachlor...	10.662	9.226	66869274	65293306	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.955	4.269	8370372	9559000	500.000	500.000
9)	L2 AR-1221-2	5.041	4.357	6334554	7335610	500.000	500.000
10)	L2 AR-1221-3	5.118	4.436	19350682	21681857	500.000	500.000

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

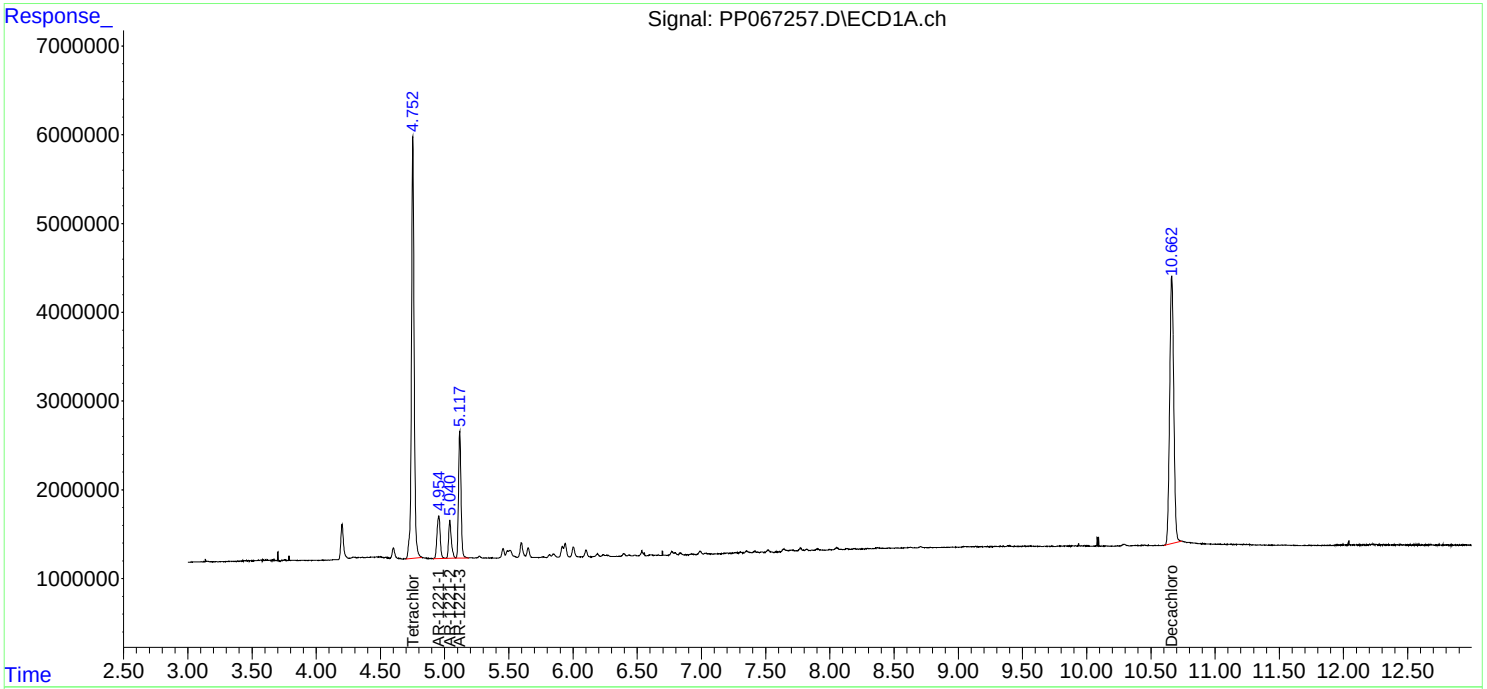
ICAL Form

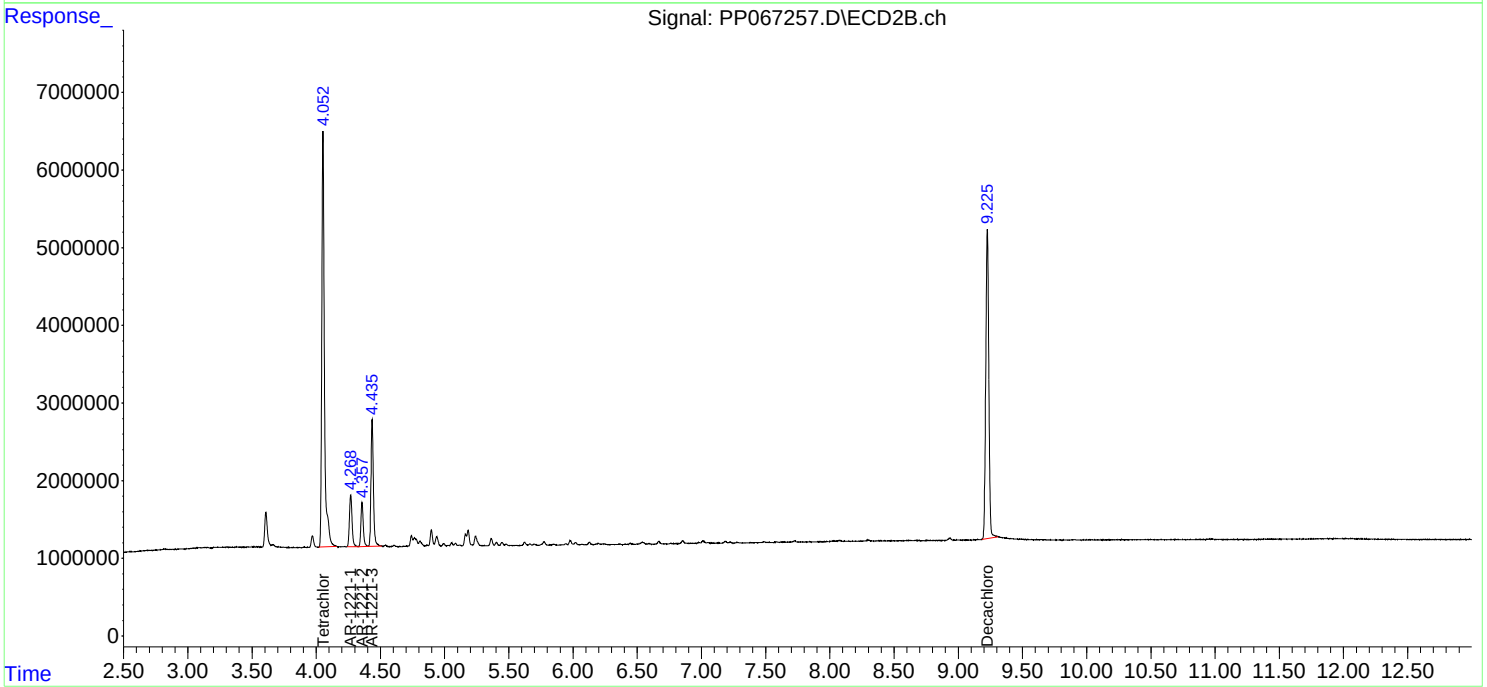
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 17:56
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:54:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:52:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 18:12
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:10:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:56:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.752	4.052	68580024	76609643	50.000	50.000
2) SA	Decachlor...	10.662	9.224	69998726	67841155	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	5.118	4.435	16031482	17985621	500.000	500.000
12) L3	AR-1232-2	5.650	5.184	8899720	16563769	500.000	500.000
13) L3	AR-1232-3	5.939	5.364	15806291	8982885	500.000	500.000
14) L3	AR-1232-4	6.100	5.447	8068431	8744367	500.000	500.000
15) L3	AR-1232-5	6.190	5.622	6764338	9388081	500.000	500.000

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

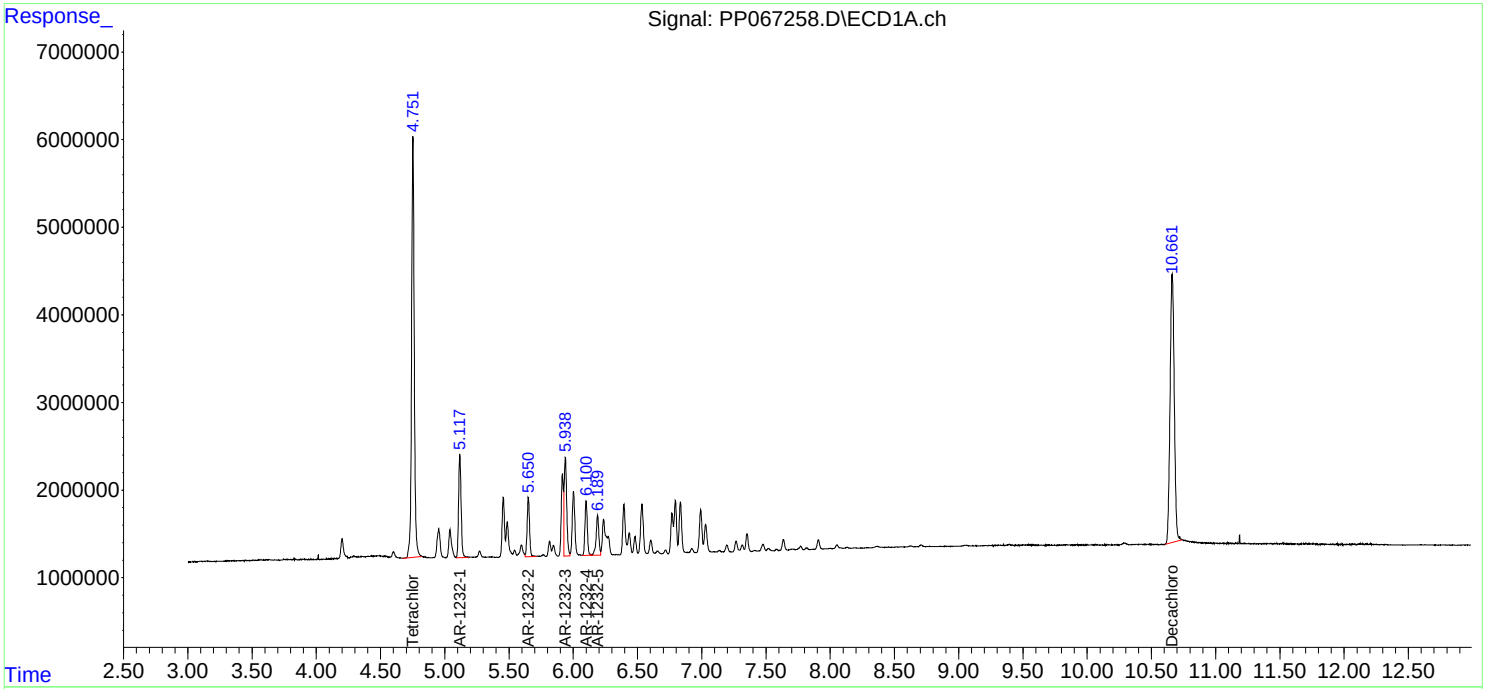
ICAL Form

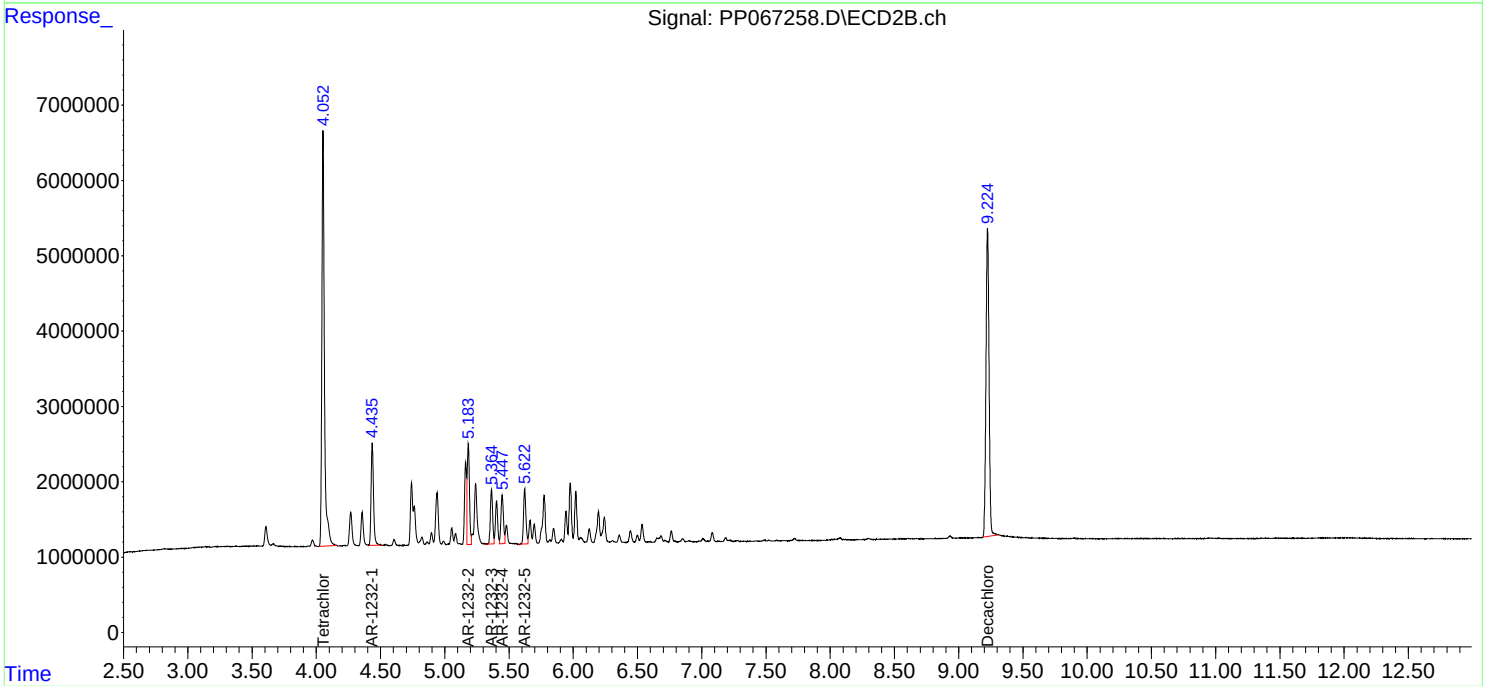
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 18:12
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:10:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:56:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 18:28
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:16:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.054	127.5E6	139.0E6	98.314	97.624
2)	SA Decachlor...	10.665	9.227	122.9E6	119.2E6	96.583	96.561
	Target Compounds						
16)	L4 AR-1242-1	5.918	5.164	32590287	35183205	954.682	963.051
17)	L4 AR-1242-2	5.941	5.184	49525733	48701033	972.989	962.303
18)	L4 AR-1242-3	6.005	5.365	31537636	27626744	965.395	961.585
19)	L4 AR-1242-4	6.102	5.448	25485111	28951851	958.058	947.660
20)	L4 AR-1242-5	6.836	5.979	27959336	34473679	971.161	948.911

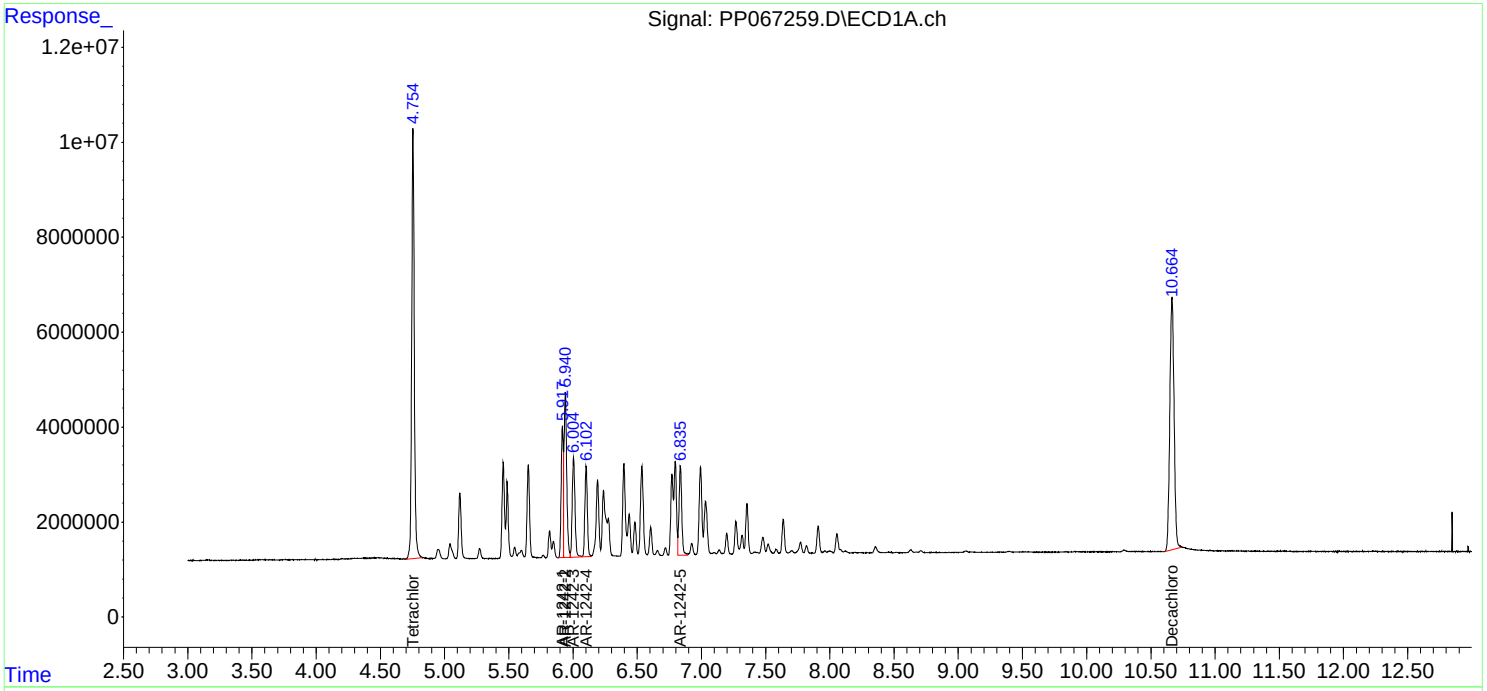
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

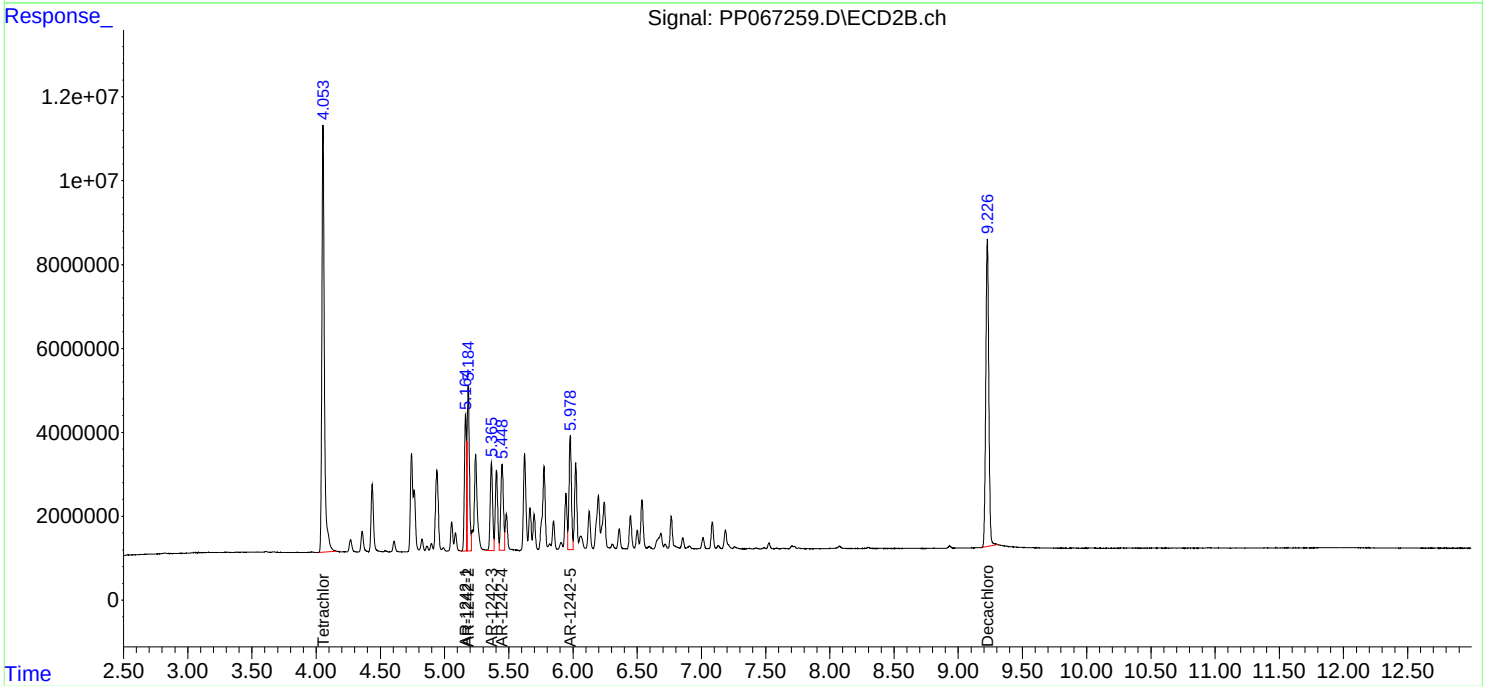
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 18:28
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:16:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 18:45
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:22:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.052	98128861	107.6E6	75.452	75.372
2)	SA Decachlor...	10.663	9.225	96174906	93359999	75.401	75.409
	Target Compounds						
16)	L4 AR-1242-1	5.916	5.163	26578804	27653660	768.817	754.618
17)	L4 AR-1242-2	5.940	5.183	38352681	38471510	752.318	756.752
18)	L4 AR-1242-3	6.003	5.365	24908112	21973670	758.261	759.817
19)	L4 AR-1242-4	6.101	5.447	20323310	23291884	759.283	758.219
20)	L4 AR-1242-5	6.835	5.978	22308718	27969161	766.410	763.131

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

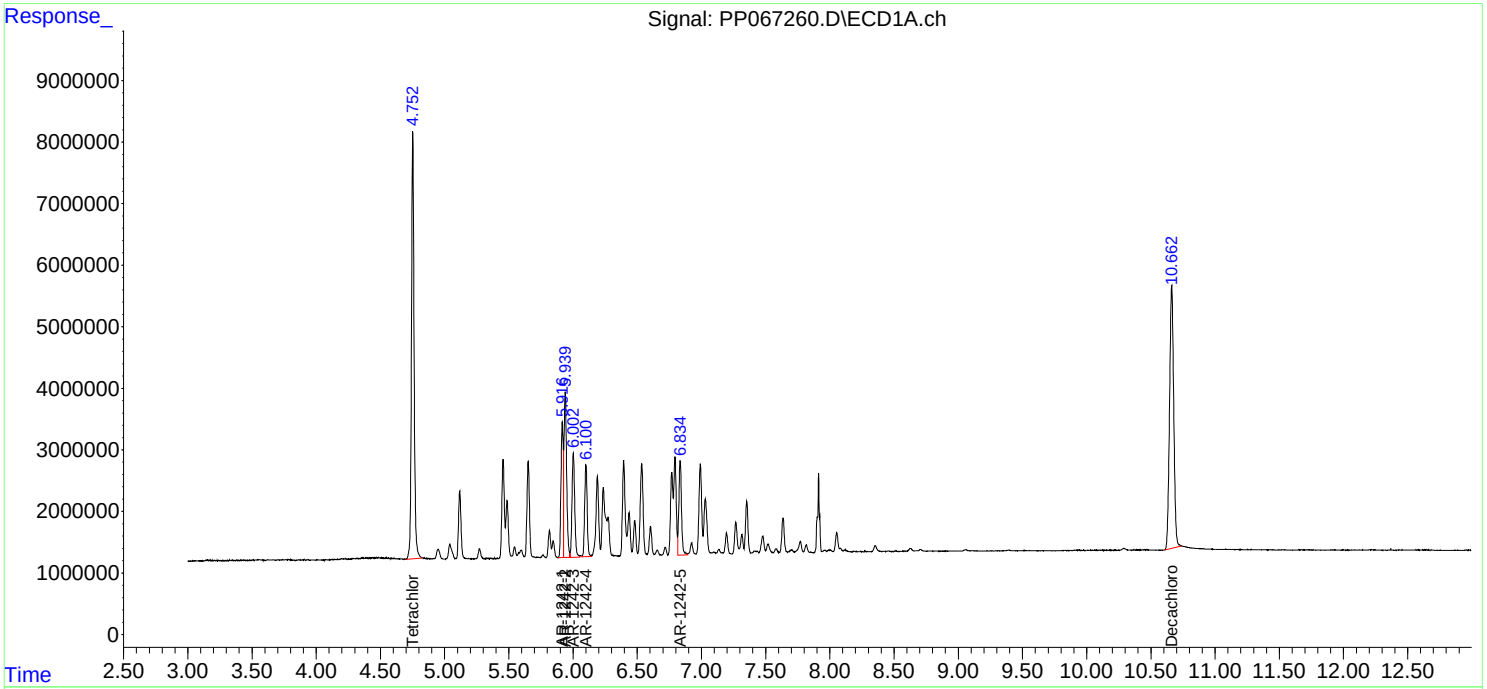
ICAL Form

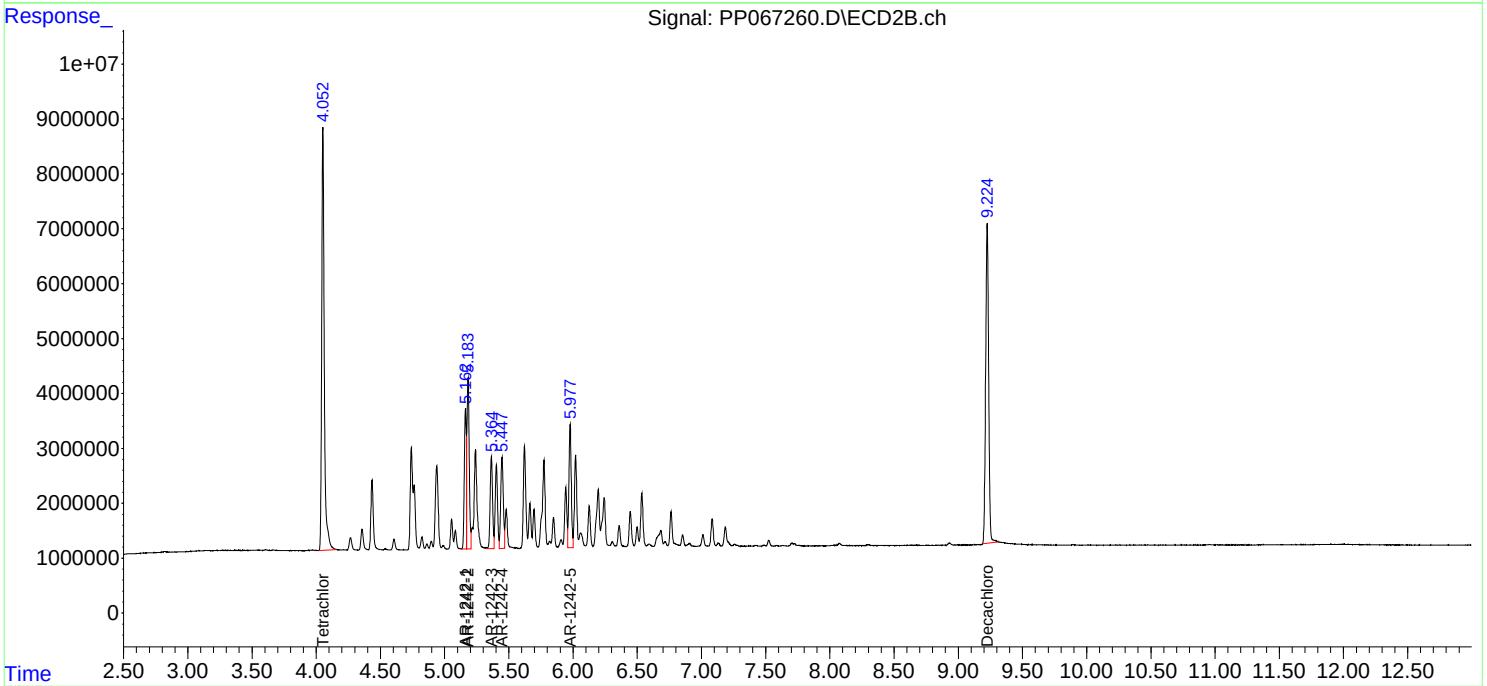
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 18:45
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:22:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:01
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:14:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	65923868	72897451	50.000	50.000
2)	SA Decachlor...	10.663	9.226	65777576	63857282	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.918	5.164	17842195	18941473	500.000	500.000
17)	L4 AR-1242-2	5.941	5.184	26137720	26258300	500.000	500.000
18)	L4 AR-1242-3	6.004	5.365	16899282	14917041	500.000	500.000
19)	L4 AR-1242-4	6.102	5.448	13858248	16074964	500.000	500.000
20)	L4 AR-1242-5	6.836	5.978	14809941	19092873	500.000	500.000

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

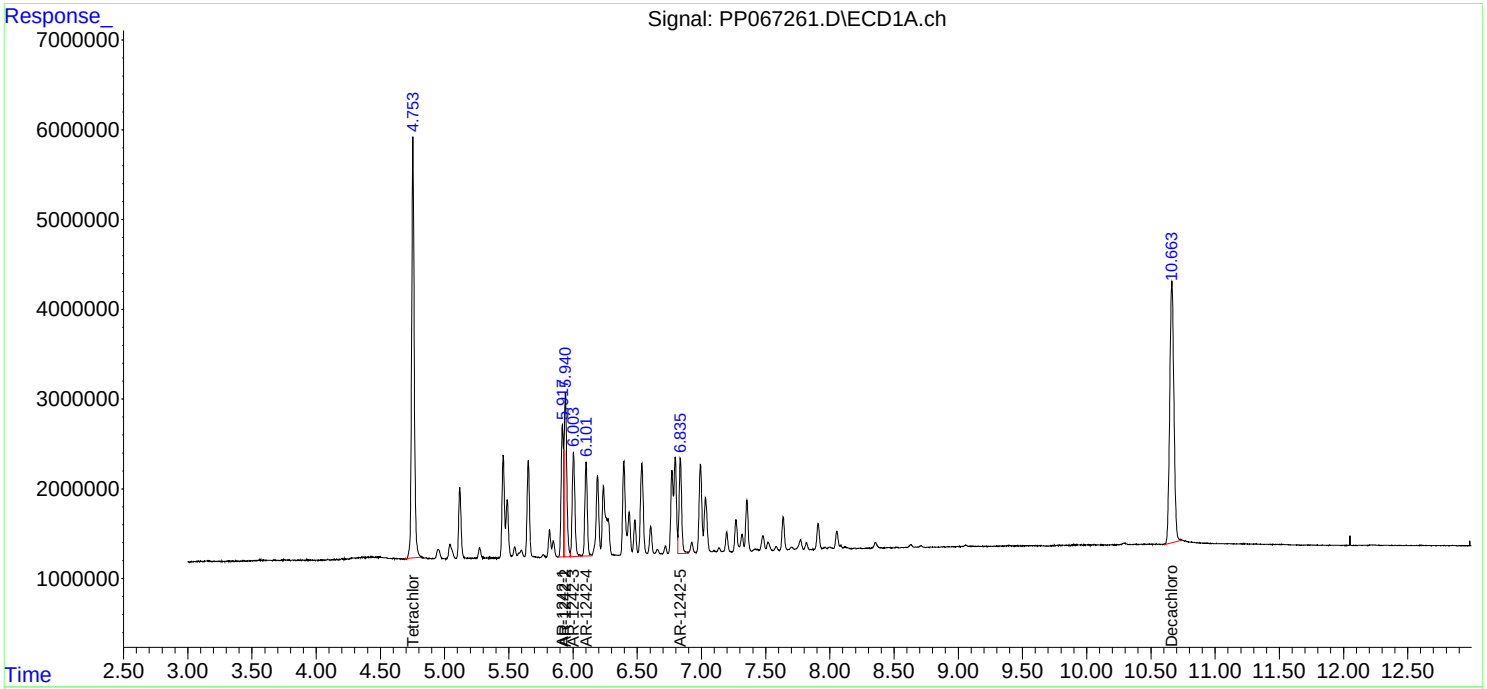
ICAL Form

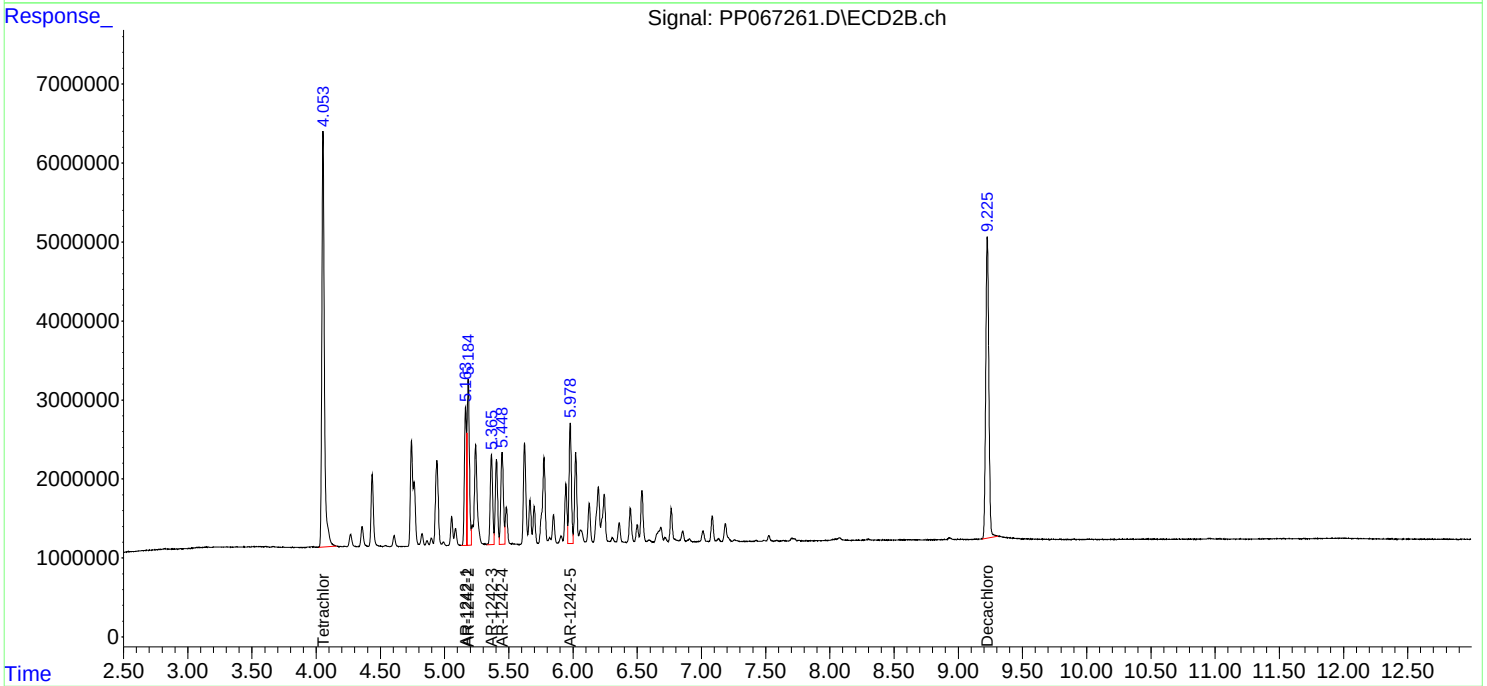
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:01
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:14:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:17
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:24:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	34469801	38533634	26.111	26.464
2)	SA Decachlor...	10.663	9.225	35906451	34892116	27.291	27.314
	Target Compounds						
16)	L4 AR-1242-1	5.917	5.163	9848681	10559634	275.280	277.563
17)	L4 AR-1242-2	5.940	5.183	14120925	14375362	269.713	273.798
18)	L4 AR-1242-3	6.004	5.364	9286627	8093898	273.753	271.756
19)	L4 AR-1242-4	6.102	5.448	7485707	8863848	271.610	277.835
20)	L4 AR-1242-5	6.836	5.978	7825779	10445614	263.878	275.366

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

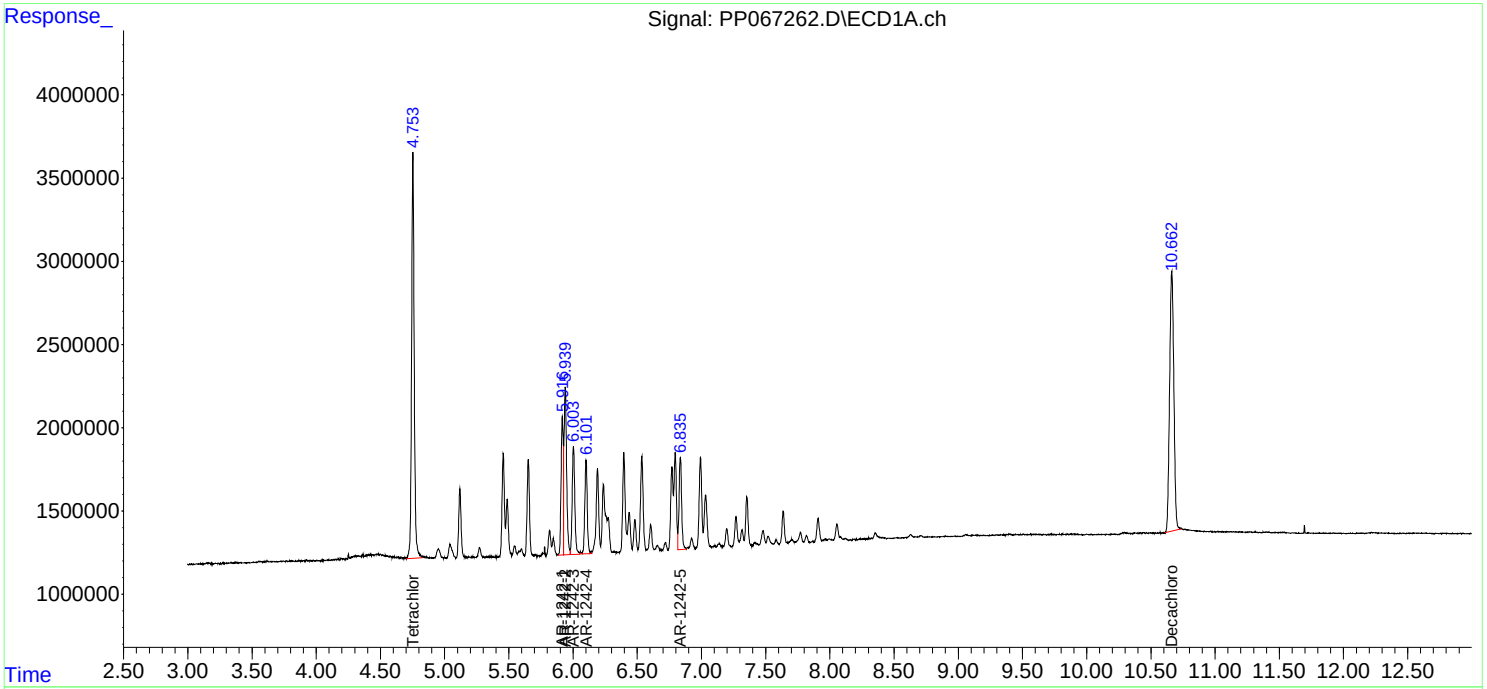
ICAL Form

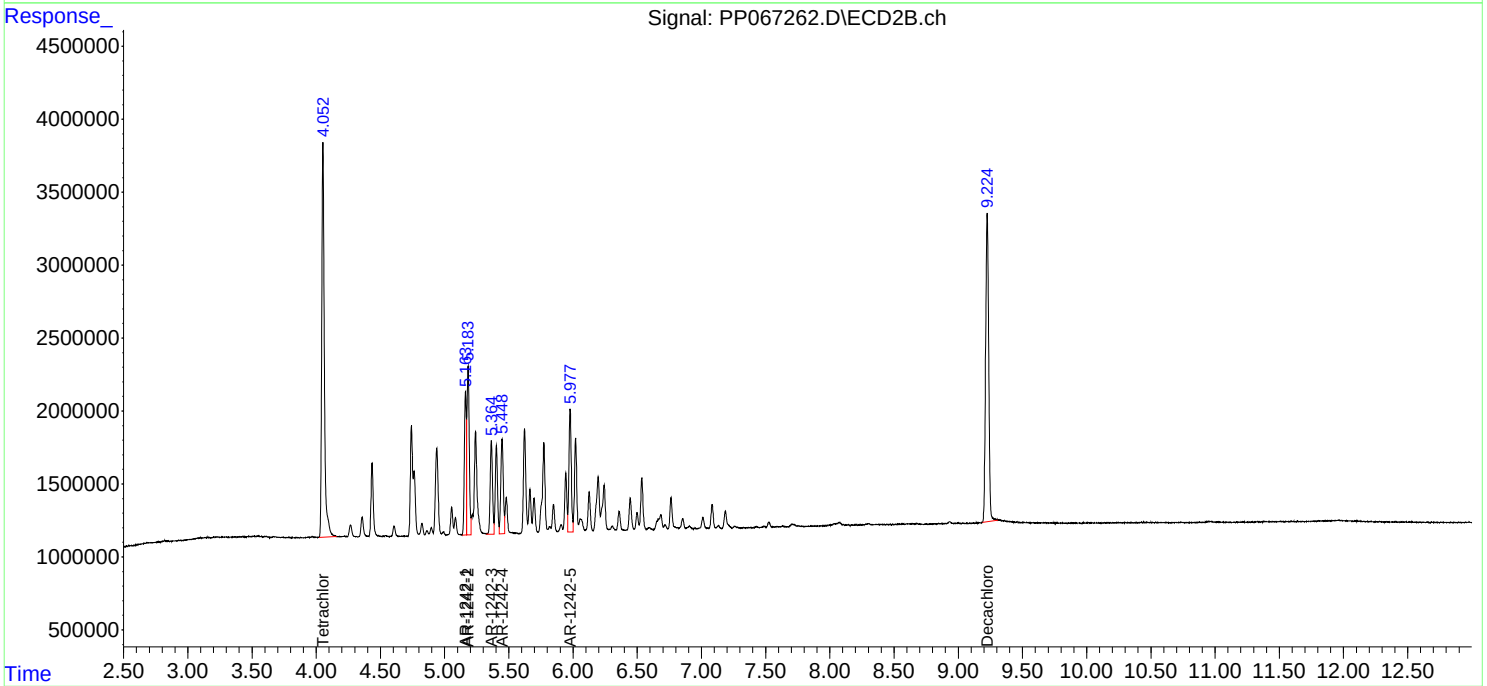
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:17
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:24:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:33
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:26:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	5950984	6997881	4.598	4.844
2)	SA Decachlor...	10.663	9.226	7004549	6967168	5.256	5.357
	Target Compounds						
16)	L4 AR-1242-1	5.918	5.164	1735244	1977683	48.794	51.575
17)	L4 AR-1242-2	5.940	5.184	2608775	2591361	49.862	49.483
18)	L4 AR-1242-3	6.002	5.366	1735616	1473440	50.926	49.576
19)	L4 AR-1242-4	6.101	5.448	1344377	1664027	49.018	51.712
20)	L4 AR-1242-5	6.835	5.979	1509086	1957841	50.705	51.282

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

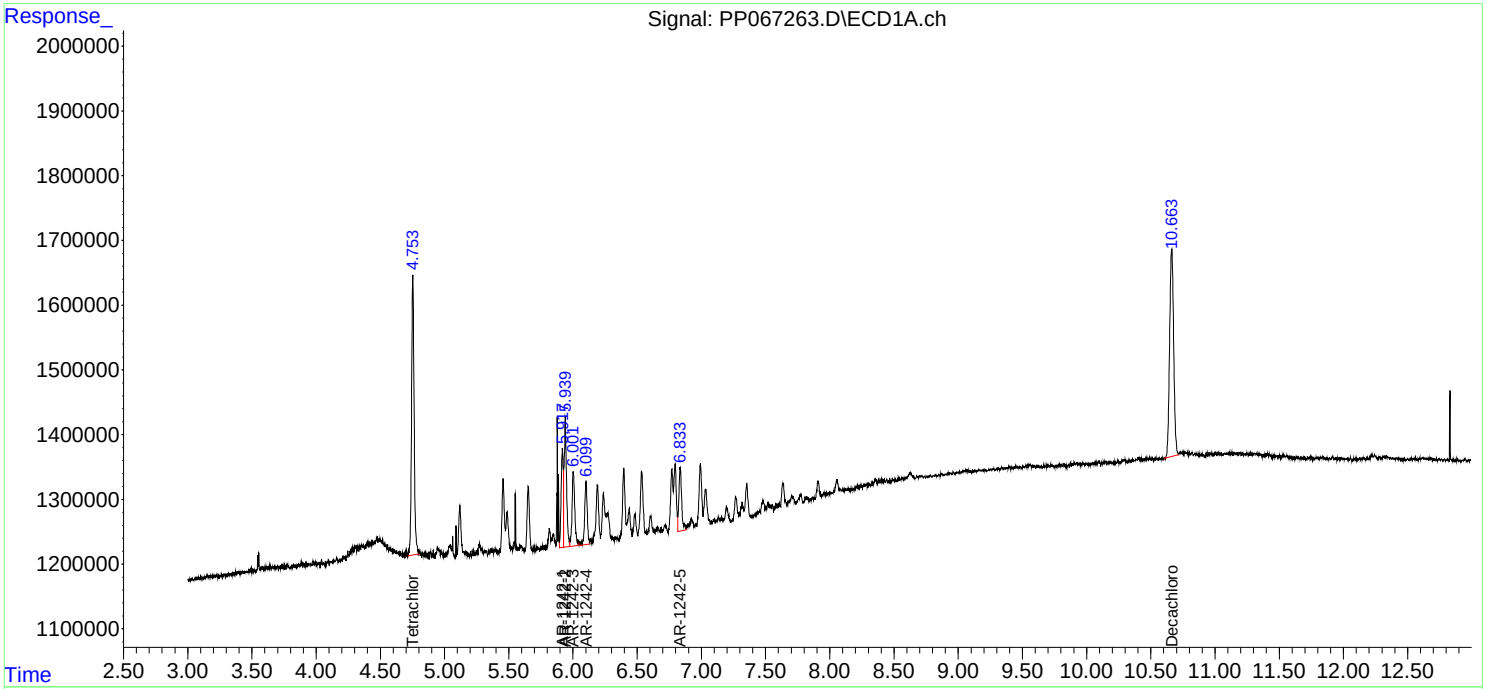
ICAL Form

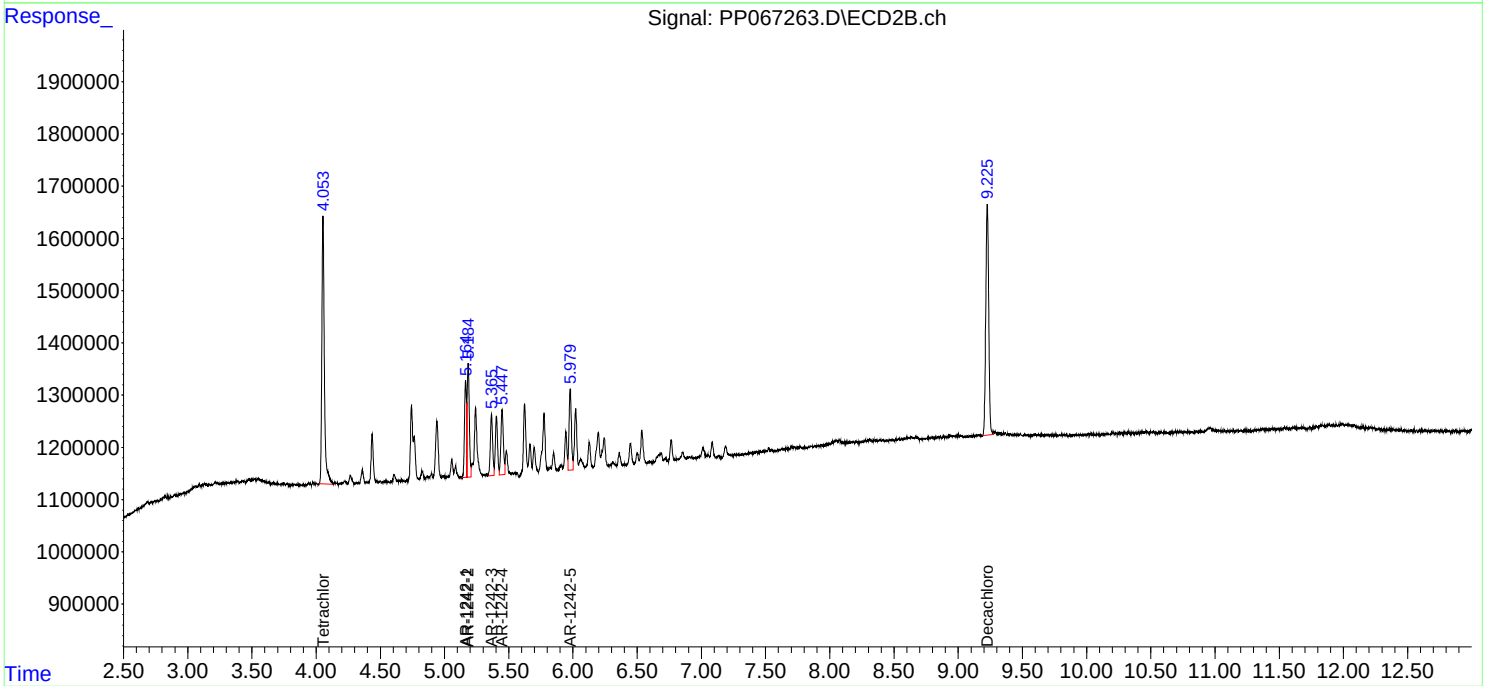
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:33
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:26:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:49
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:34:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	125.7E6	138.6E6	97.734	97.955
2)	SA Decachlor...	10.663	9.224	118.0E6	114.8E6	92.810	93.132
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.163	26142314	27588187	952.379	940.290
22)	L5 AR-1248-2	6.191	5.403	40429411	40345419	941.705	940.182
23)	L5 AR-1248-3	6.396	5.447	45010600	42187695	940.285	940.223
24)	L5 AR-1248-4	6.796	5.622	49122151	49076618	945.100	942.681
25)	L5 AR-1248-5	6.836	6.020	48706813	44447724	941.975	948.858

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

Quantitation Report (QT Reviewed)

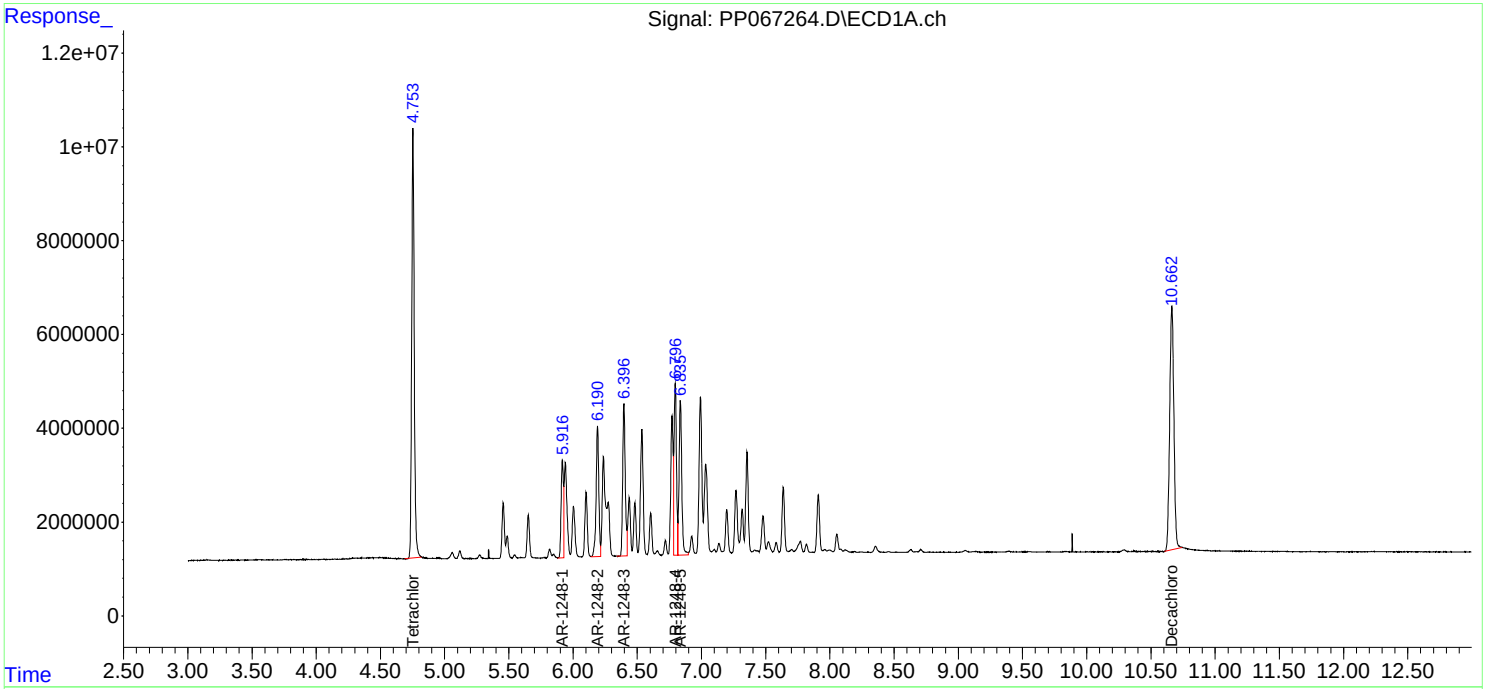
ICAL Form

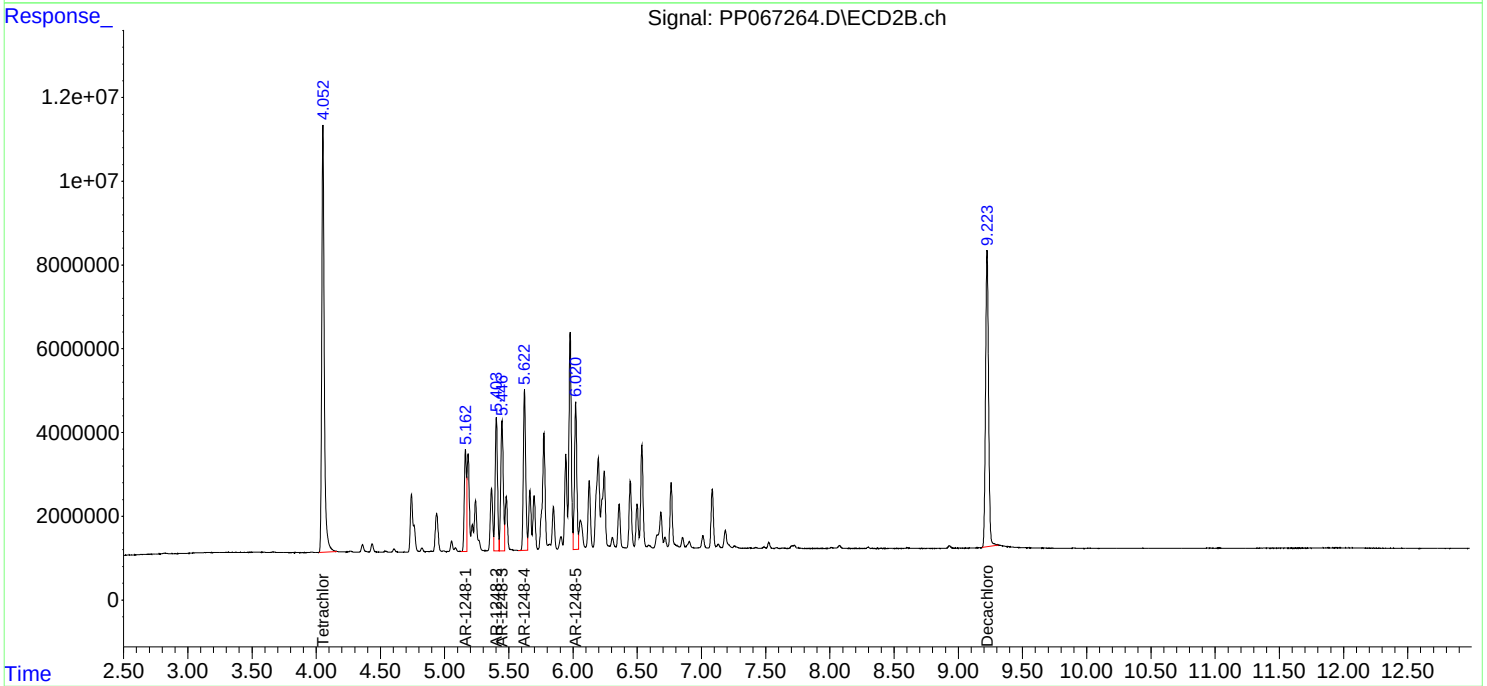
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 19:49
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:34:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:05
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:36:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	98124982	108.0E6	75.857	75.870
2)	SA Decachlor...	10.662	9.225	94973905	92155056	74.806	74.822
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.163	21102380	22181205	762.411	753.992
22)	L5 AR-1248-2	6.190	5.404	32573071	32465073	755.785	754.350
23)	L5 AR-1248-3	6.396	5.447	36258995	34000117	754.958	755.148
24)	L5 AR-1248-4	6.795	5.623	38911358	39463300	749.097	755.331
25)	L5 AR-1248-5	6.835	6.021	39274827	35559054	756.349	756.045

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

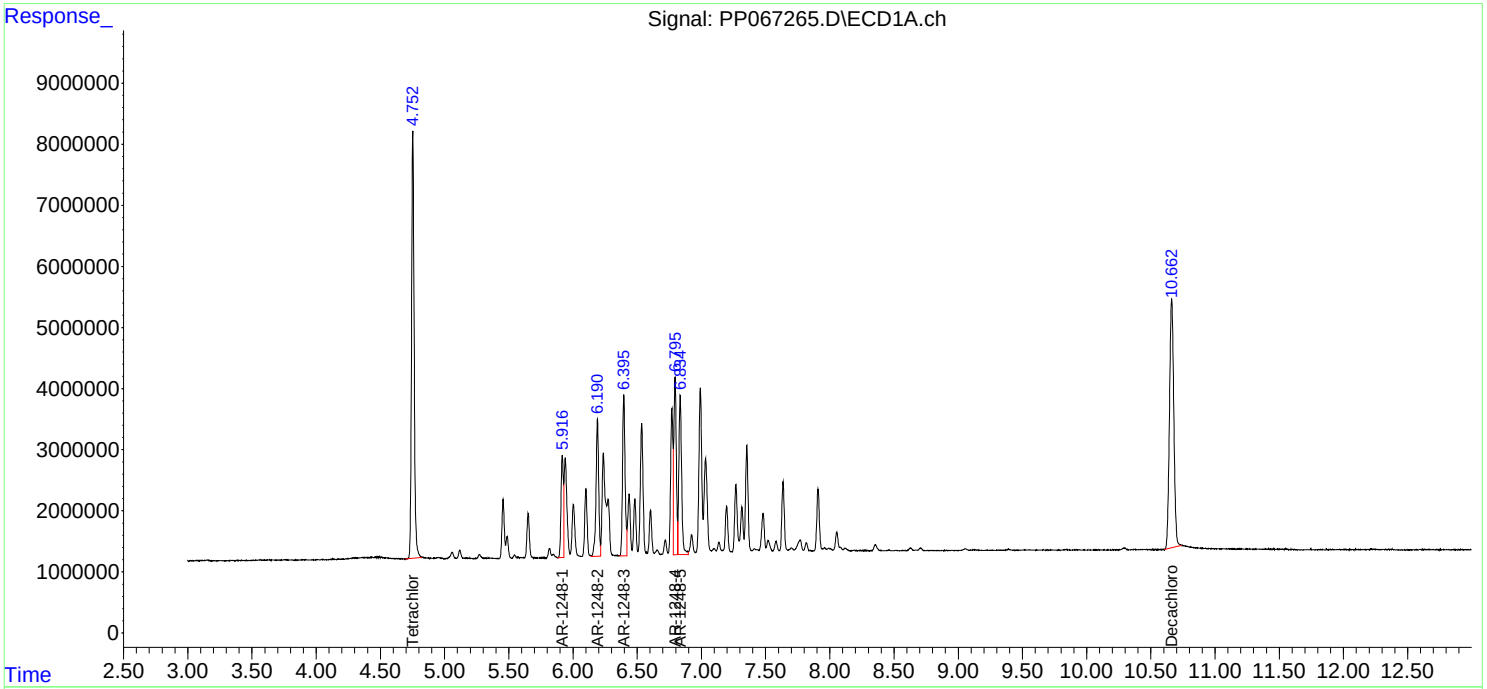
ICAL Form

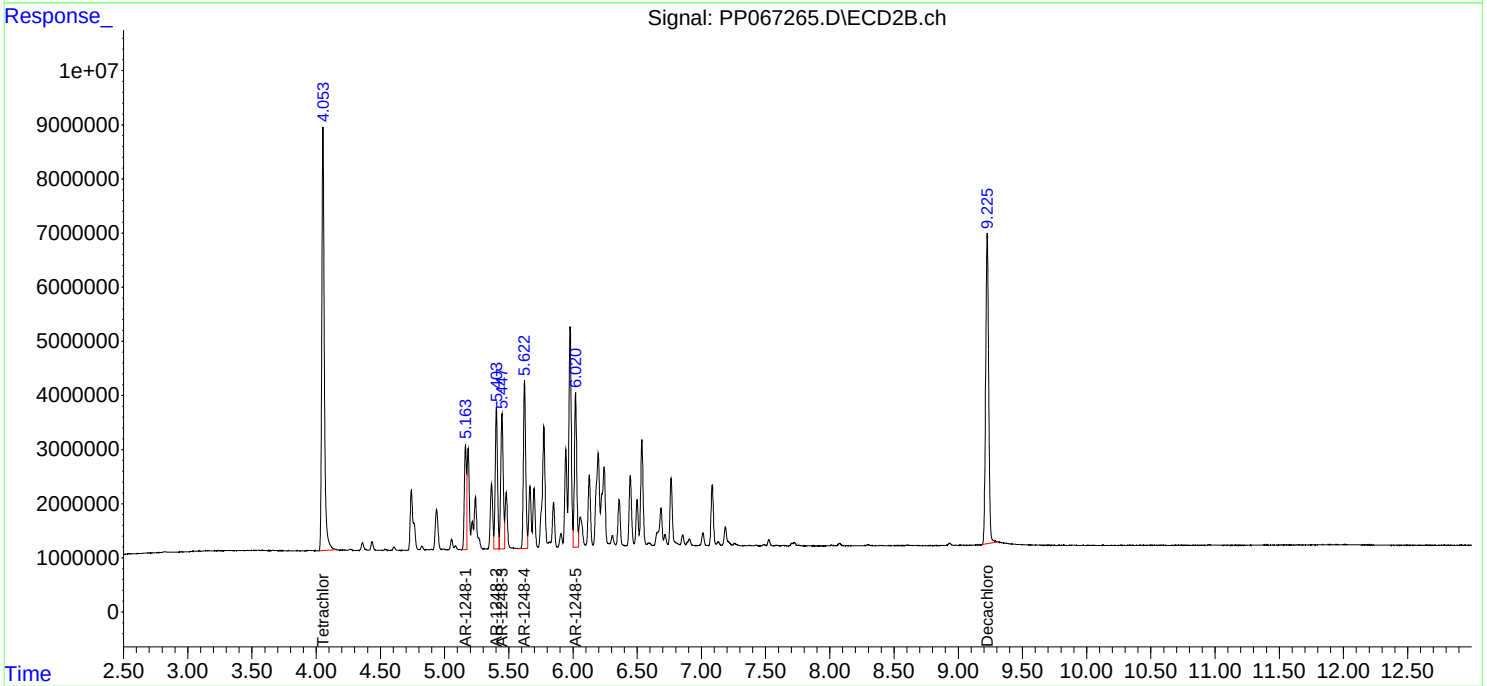
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:05
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:36:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:21
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:31:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	65765409	72214844	50.000	50.000
2)	SA Decachlor...	10.660	9.224	68132777	65889824	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.916	5.163	14378331	15545988	500.000	500.000
22)	L5 AR-1248-2	6.190	5.403	22717440	22739644	500.000	500.000
23)	L5 AR-1248-3	6.395	5.447	25363826	23776038	500.000	500.000
24)	L5 AR-1248-4	6.795	5.622	27414531	27522369	500.000	500.000
25)	L5 AR-1248-5	6.835	6.020	27353687	24619546	500.000	500.000

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

Quantitation Report (QT Reviewed)

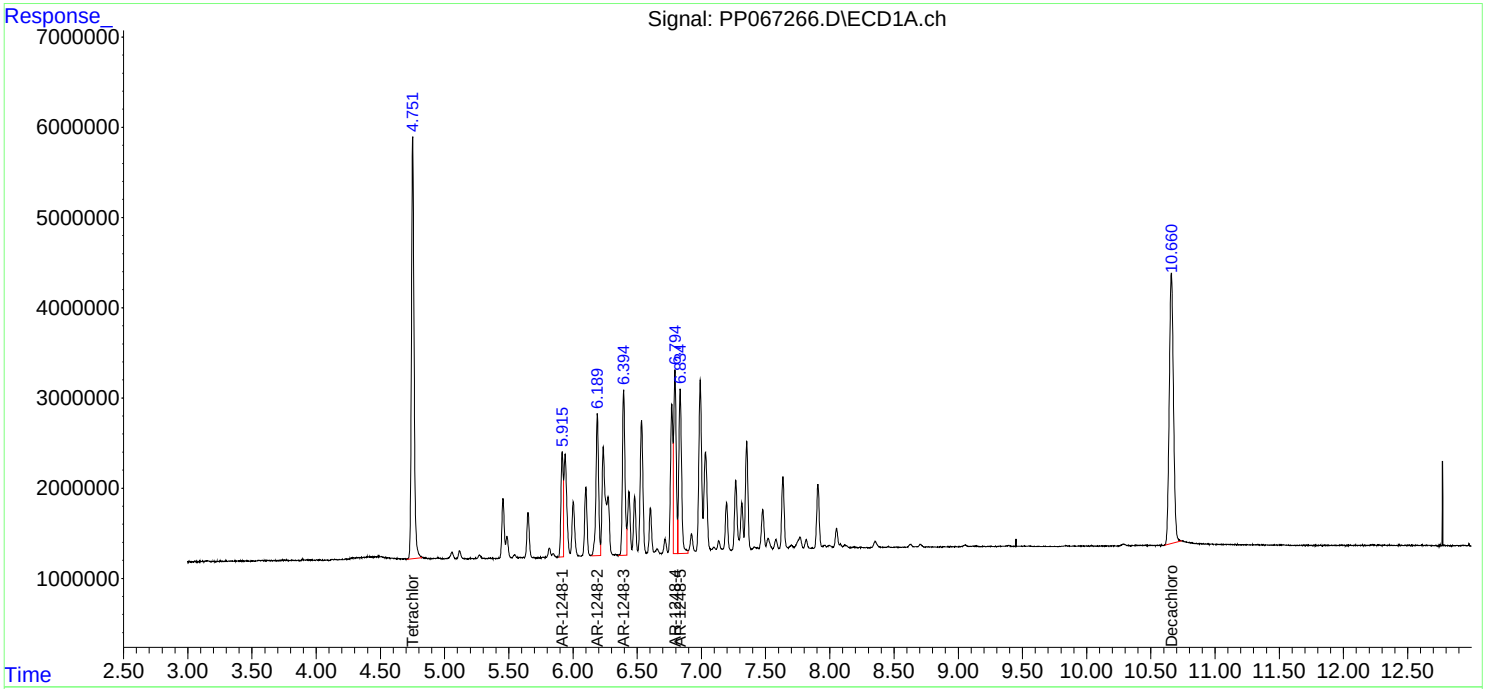
ICAL Form

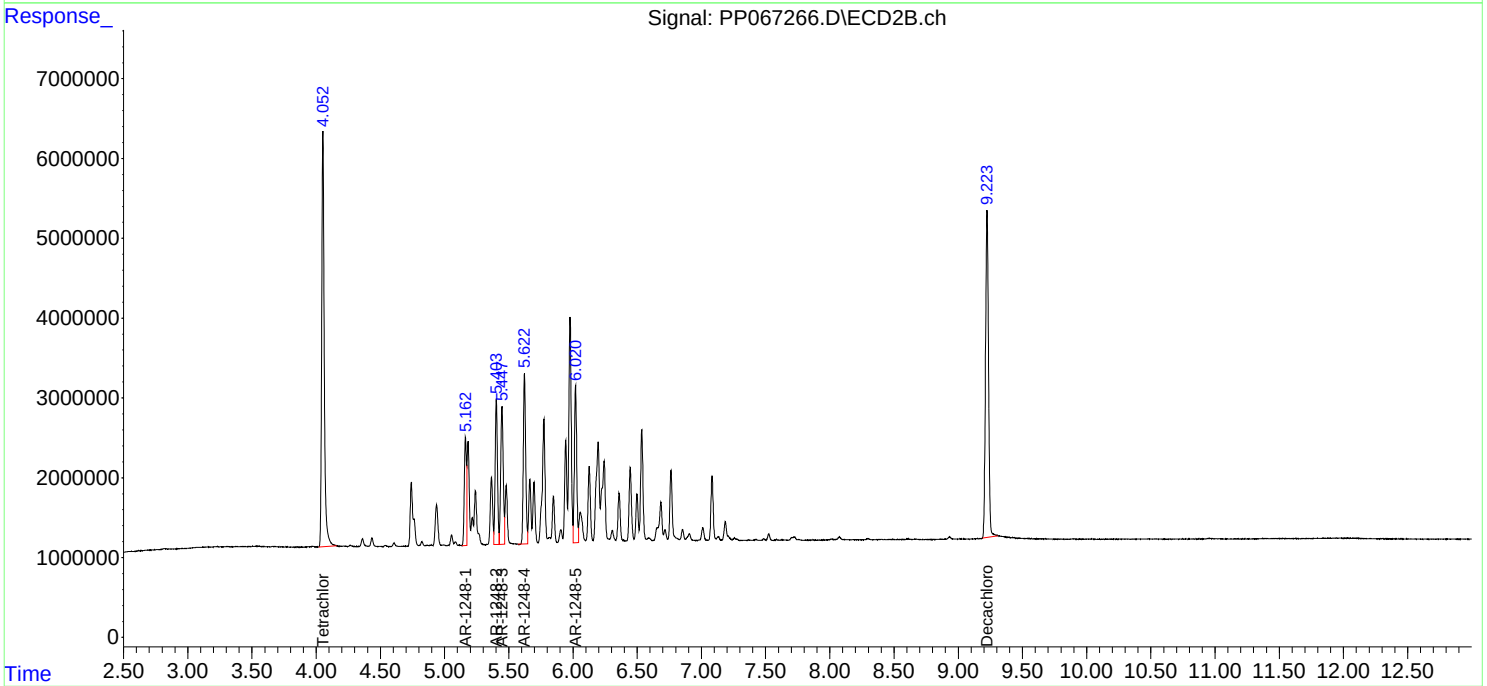
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:21
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:31:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:38
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:56:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	32963011	37414758	25.360	25.949
2)	SA Decachlor...	10.662	9.226	36690481	35870976	27.815	27.971
	Target Compounds						
21)	L5 AR-1248-1	5.916	5.164	7691598	8292669	270.350	273.177
22)	L5 AR-1248-2	6.190	5.404	12146812	12471276	273.143	278.693
23)	L5 AR-1248-3	6.395	5.448	13279042	12949944	269.352	277.192
24)	L5 AR-1248-4	6.795	5.623	14639241	14901901	273.133	275.519
25)	L5 AR-1248-5	6.834	6.022	14233205	13257898	267.650	273.175

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

Quantitation Report (QT Reviewed)

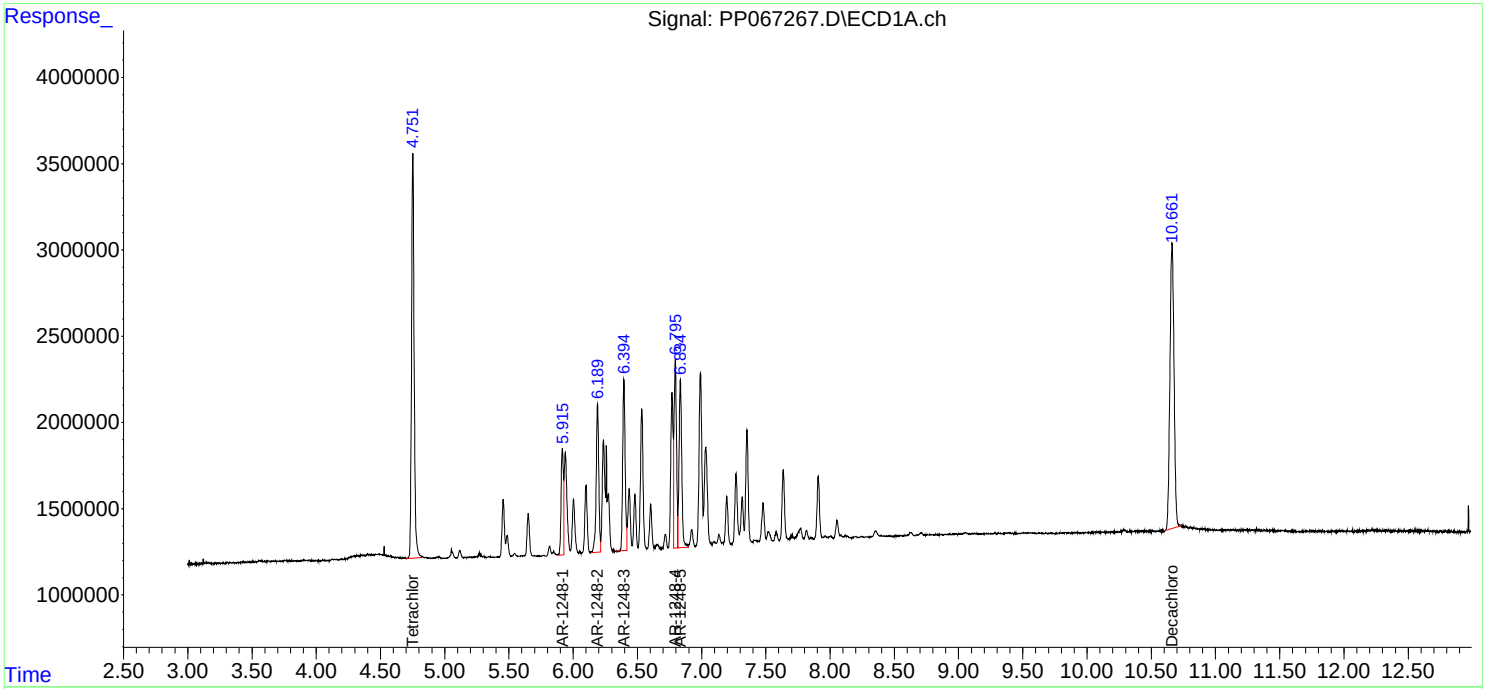
ICAL Form

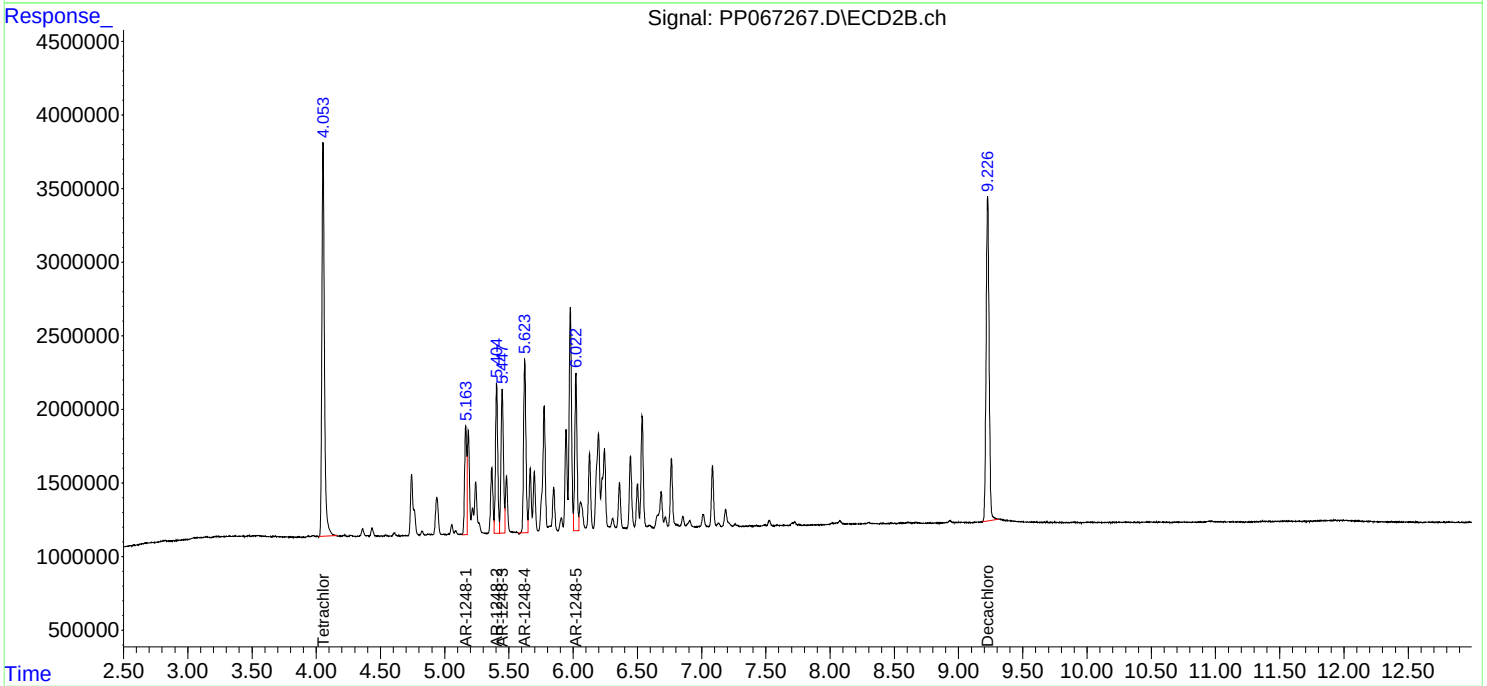
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:38
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:56:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:54
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:05:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	6500500	6808851	5.001	4.775
2)	SA Decachlor...	10.672	9.227	7591747	7160555	5.586	5.456
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.164	1368676	1585177	48.474	51.759
22)	L5 AR-1248-2	6.191	5.404	2204600	2392092	49.659	52.727
23)	L5 AR-1248-3	6.396	5.448	2271030	2490309	46.802	52.609
24)	L5 AR-1248-4	6.795	5.623	2845436	2759657	52.441	50.815
25)	L5 AR-1248-5	6.835	6.021	3150360	2478096	57.130	50.845

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

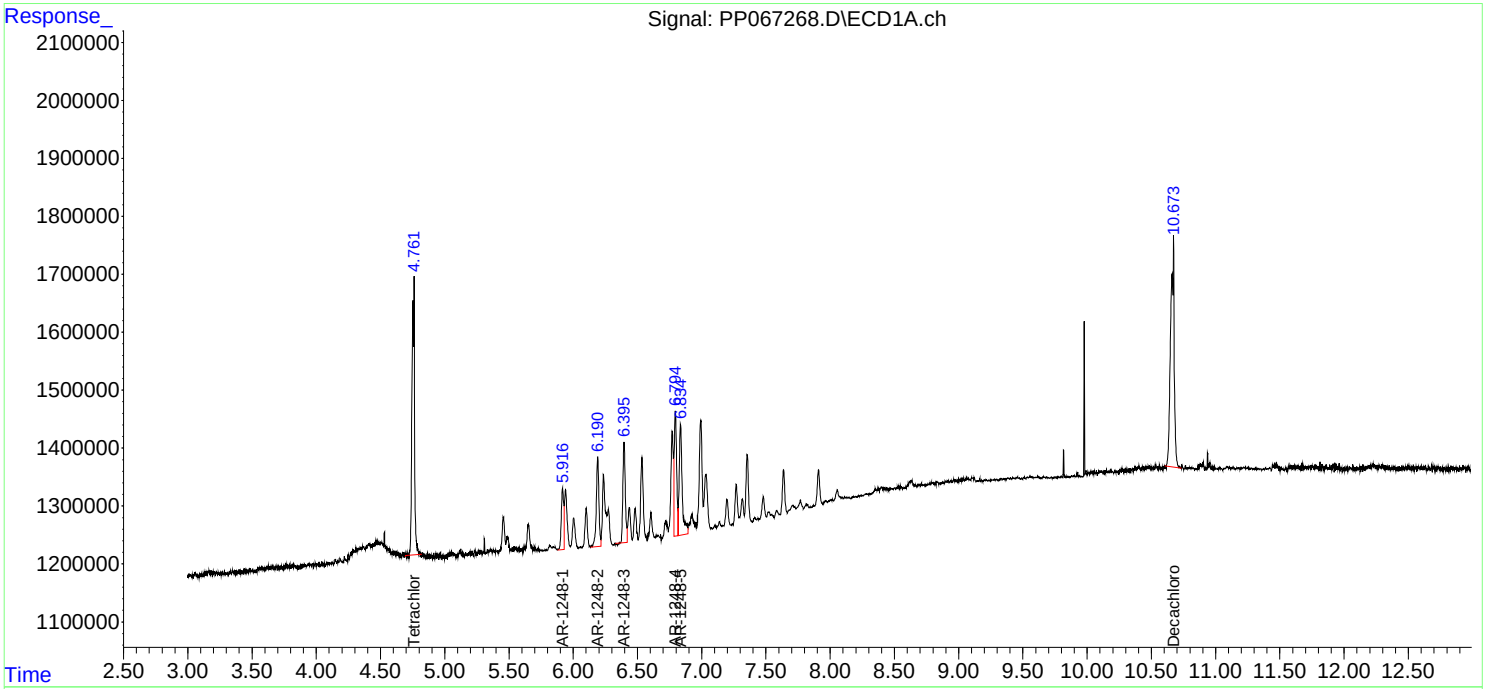
ICAL Form

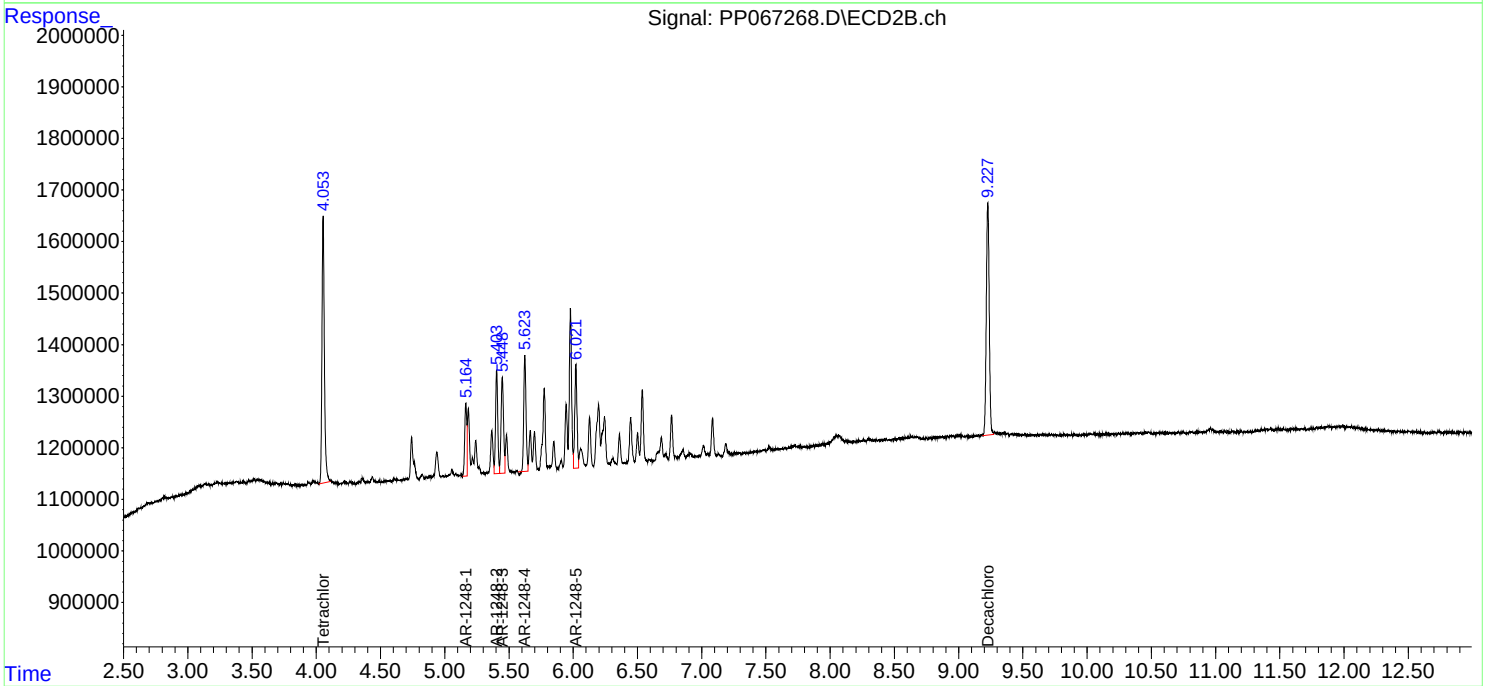
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 20:54
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:05:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:10
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:49:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	127.5E6	140.5E6	96.891	96.813
2)	SA Decachlor...	10.660	9.226	125.3E6	121.7E6	94.649	94.242
	Target Compounds						
26)	L6 AR-1254-1	6.770	5.980	54370186	72410325	907.792m	946.260
27)	L6 AR-1254-2	6.988	6.127	81855852	65042328	950.084	942.911
28)	L6 AR-1254-3	7.352	6.537	85913006	103.4E6	951.868	952.028
29)	L6 AR-1254-4	7.635	6.765	61059801	57019875	957.716	956.691
30)	L6 AR-1254-5	8.052	7.187	73231896	94217776	933.156m	951.298

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:10
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

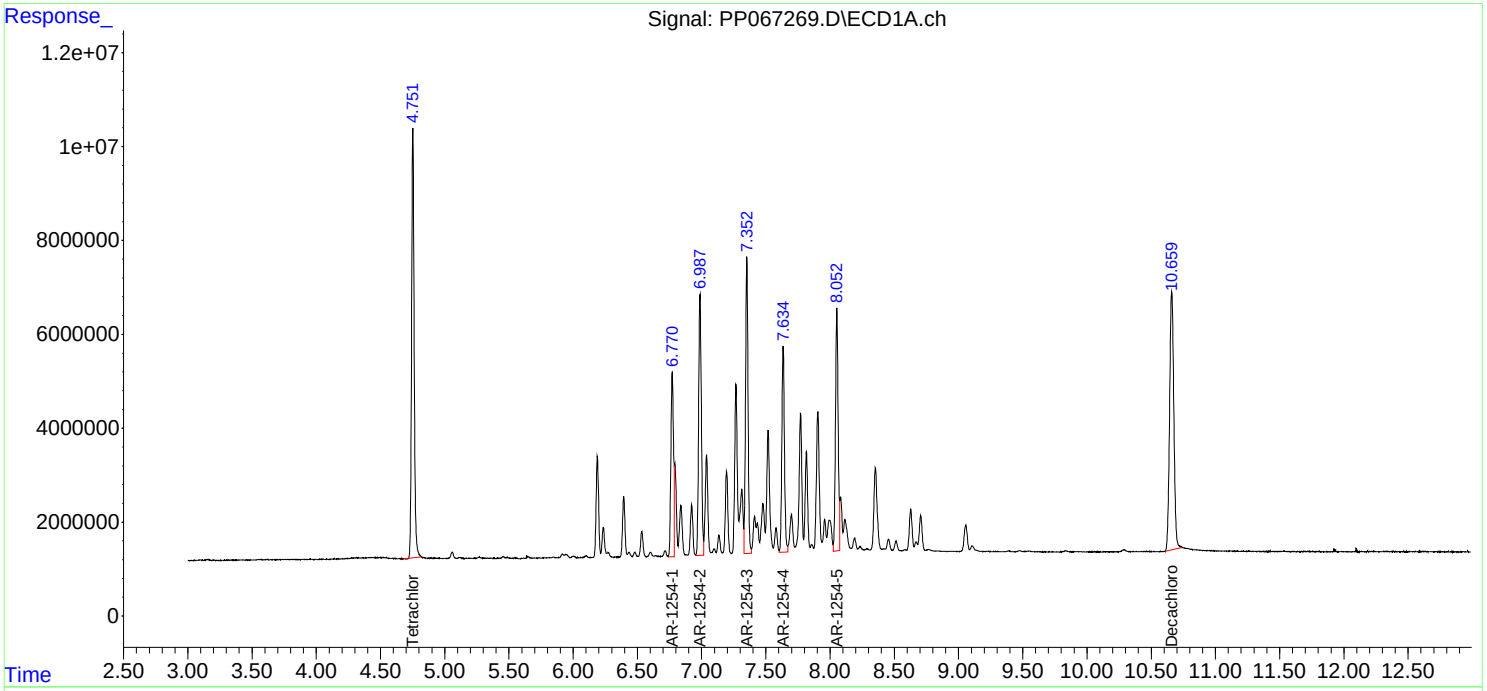
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

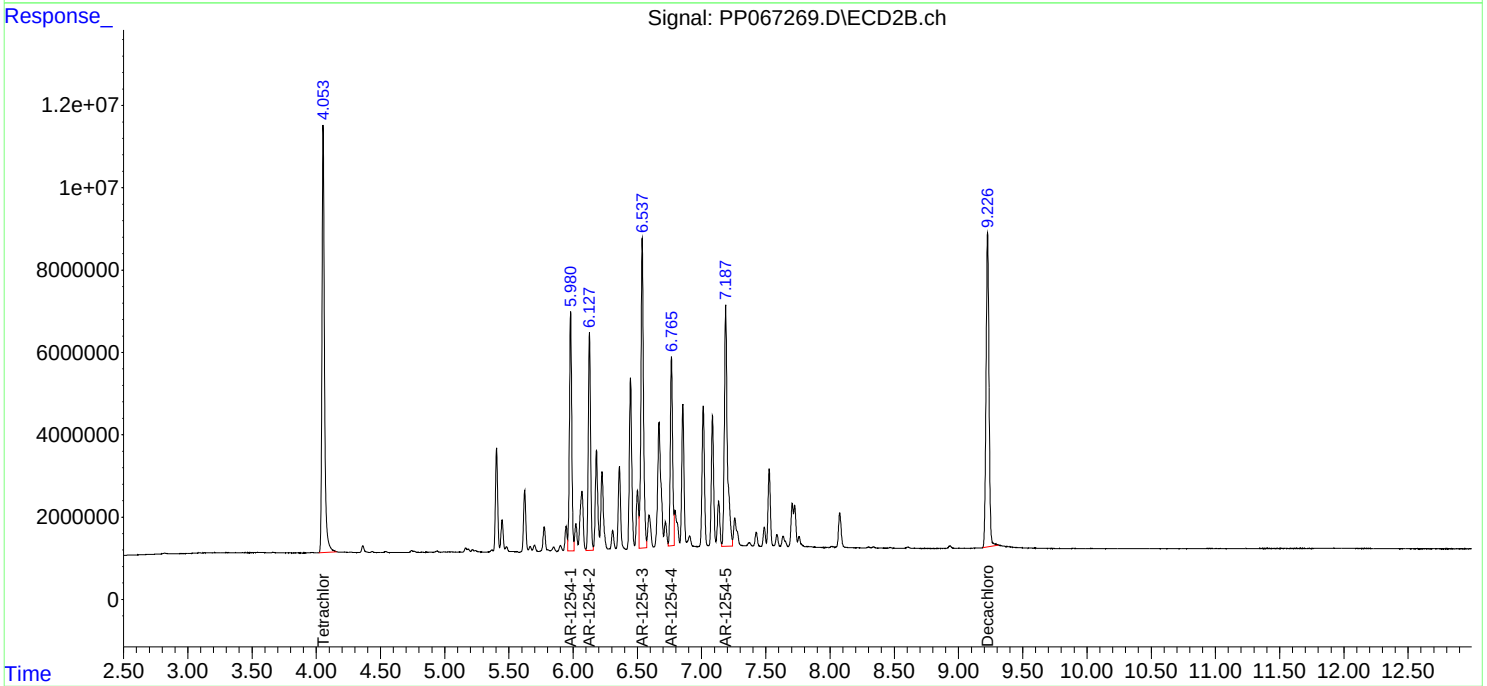
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:49:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:26
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:46:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	97708292	108.1E6	74.272	74.493
2)	SA Decachlor...	10.662	9.226	96851932	94860703	73.181	73.453
	Target Compounds						
26)	L6 AR-1254-1	6.772	5.981	44502523	56367098	673.134m	736.607
27)	L6 AR-1254-2	6.989	6.128	63506180	50765195	737.103	735.937
28)	L6 AR-1254-3	7.353	6.538	66959884	79893996	741.878	735.761
29)	L6 AR-1254-4	7.636	6.765	46662543	44133542	731.896	740.482
30)	L6 AR-1254-5	8.054	7.187	56981598	72646120	725.976m	733.493

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:26
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

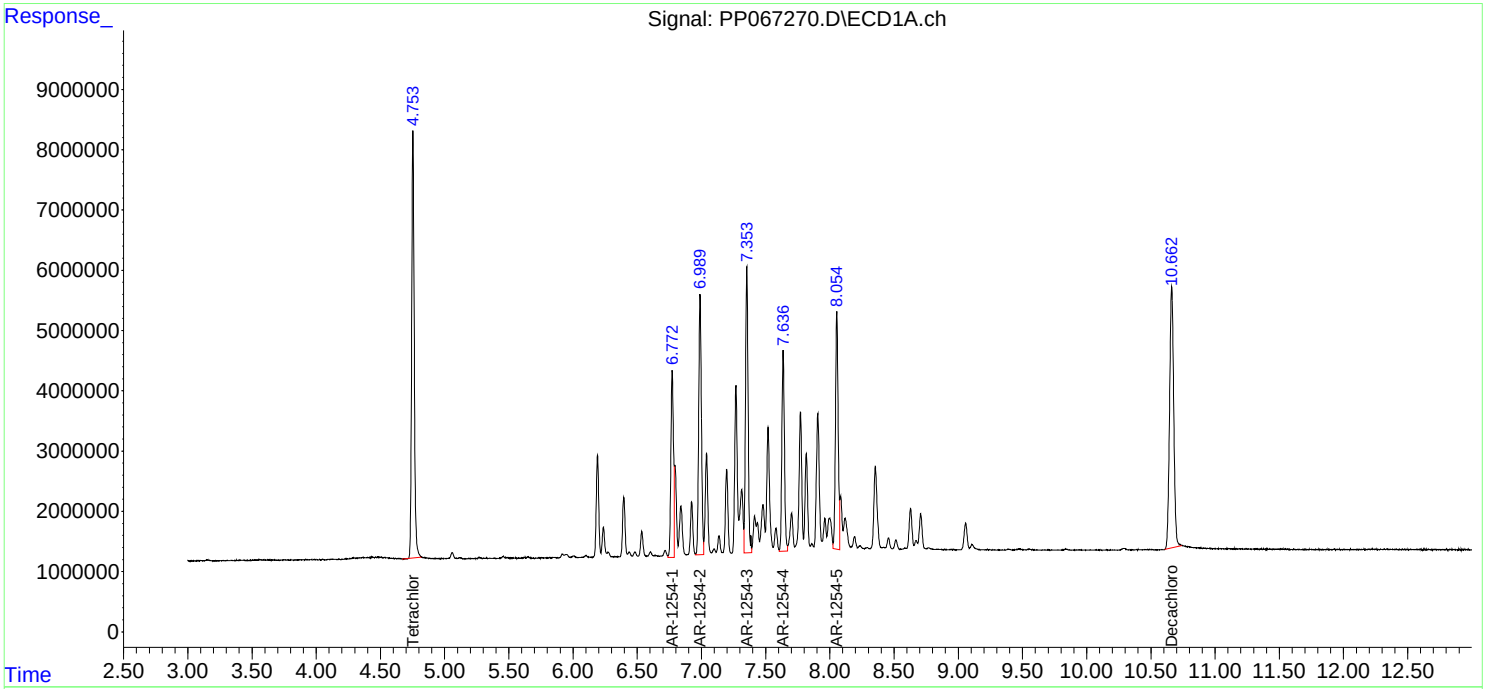
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

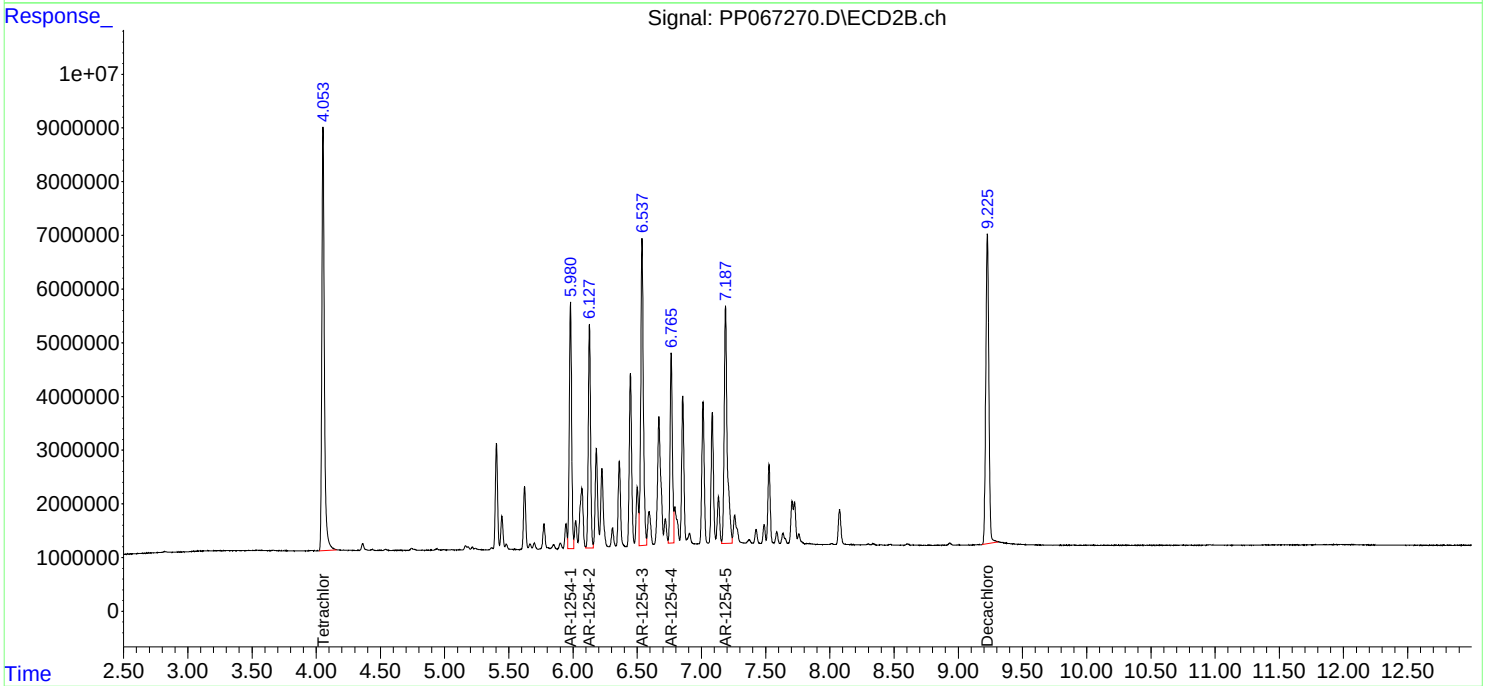
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:46:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:42
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:35:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.054	68460732	75353617	50.000	50.000
2)	SA Decachlor...	10.661	9.227	71317885	69623062	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.772	5.981	32391627	41000743	500.000	500.000
27)	L6 AR-1254-2	6.989	6.128	45969266	37105903	500.000	500.000
28)	L6 AR-1254-3	7.353	6.538	47789536	57928789	500.000	500.000
29)	L6 AR-1254-4	7.636	6.766	33995250	31579499	500.000	501.749m
30)	L6 AR-1254-5	8.053	7.188	42316905	53022319	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\PP092624\
Data File : PP067271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:42
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

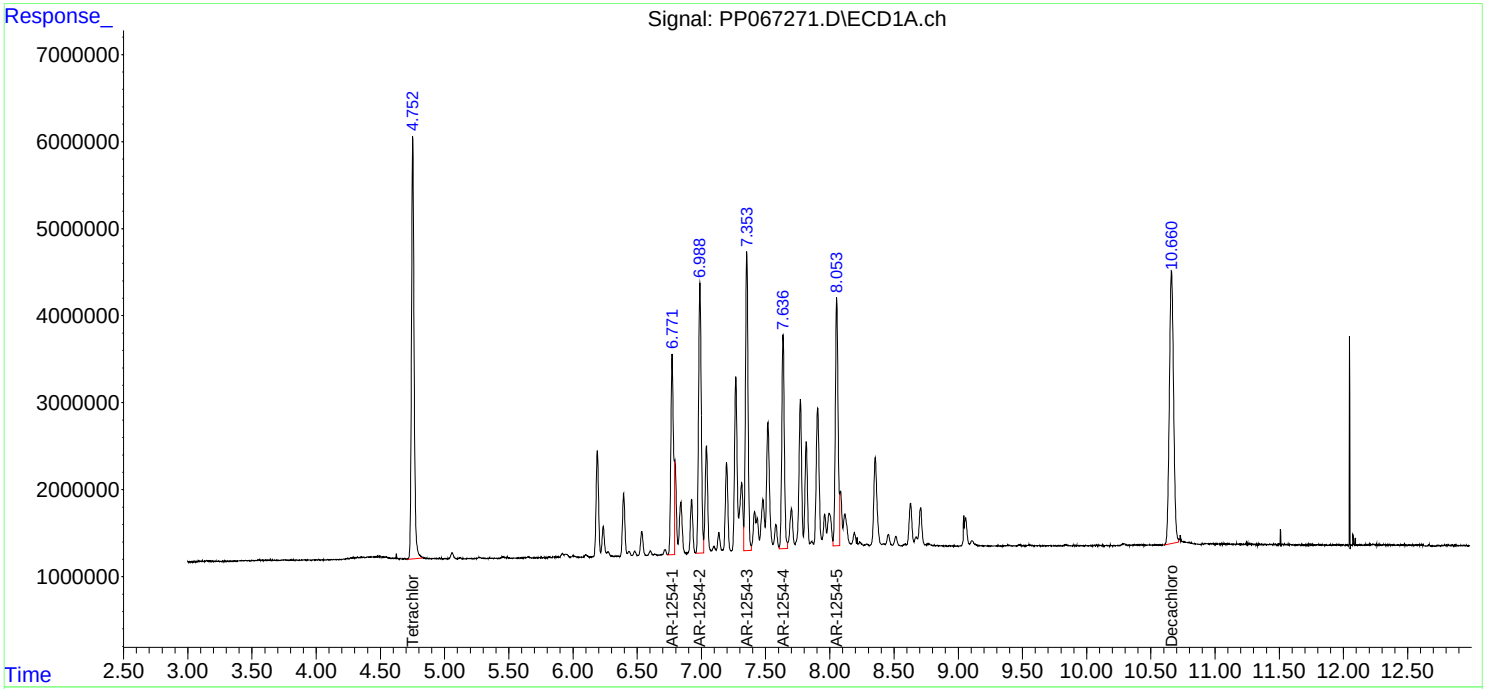
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

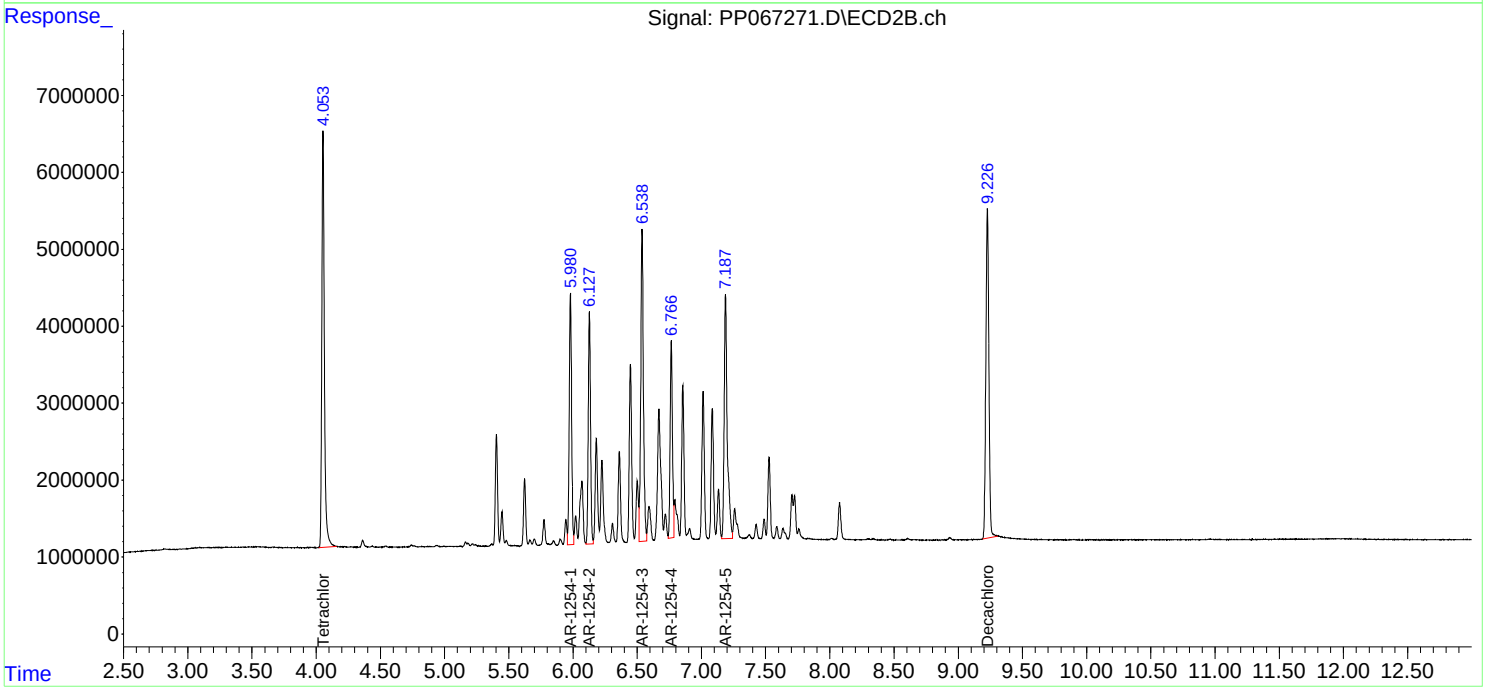
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:35:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:58
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:53:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.052	34957898	38707709	26.161	26.236
2)	SA Decachlor...	10.661	9.225	39184742	38099442	28.304	28.231
	Target Compounds						
26)	L6 AR-1254-1	6.771	5.979	16564380	22183104	268.870m	278.769
27)	L6 AR-1254-2	6.989	6.126	24864180	20342196	277.869	282.227
28)	L6 AR-1254-3	7.353	6.536	25460252	31112143	273.316	276.424
29)	L6 AR-1254-4	7.636	6.764	18241285	17405798	276.140	280.257
30)	L6 AR-1254-5	8.054	7.186	23070475	28364640	280.924m	276.336

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 21:58
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

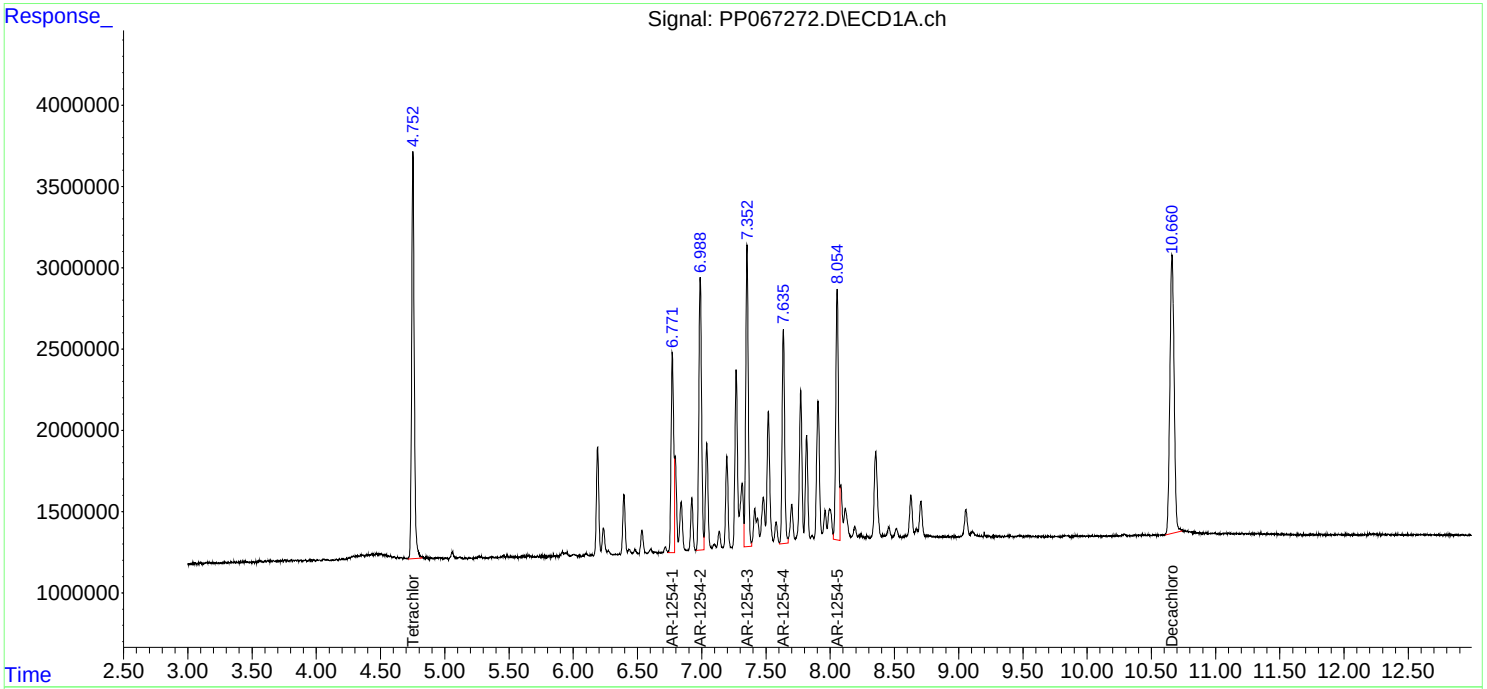
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

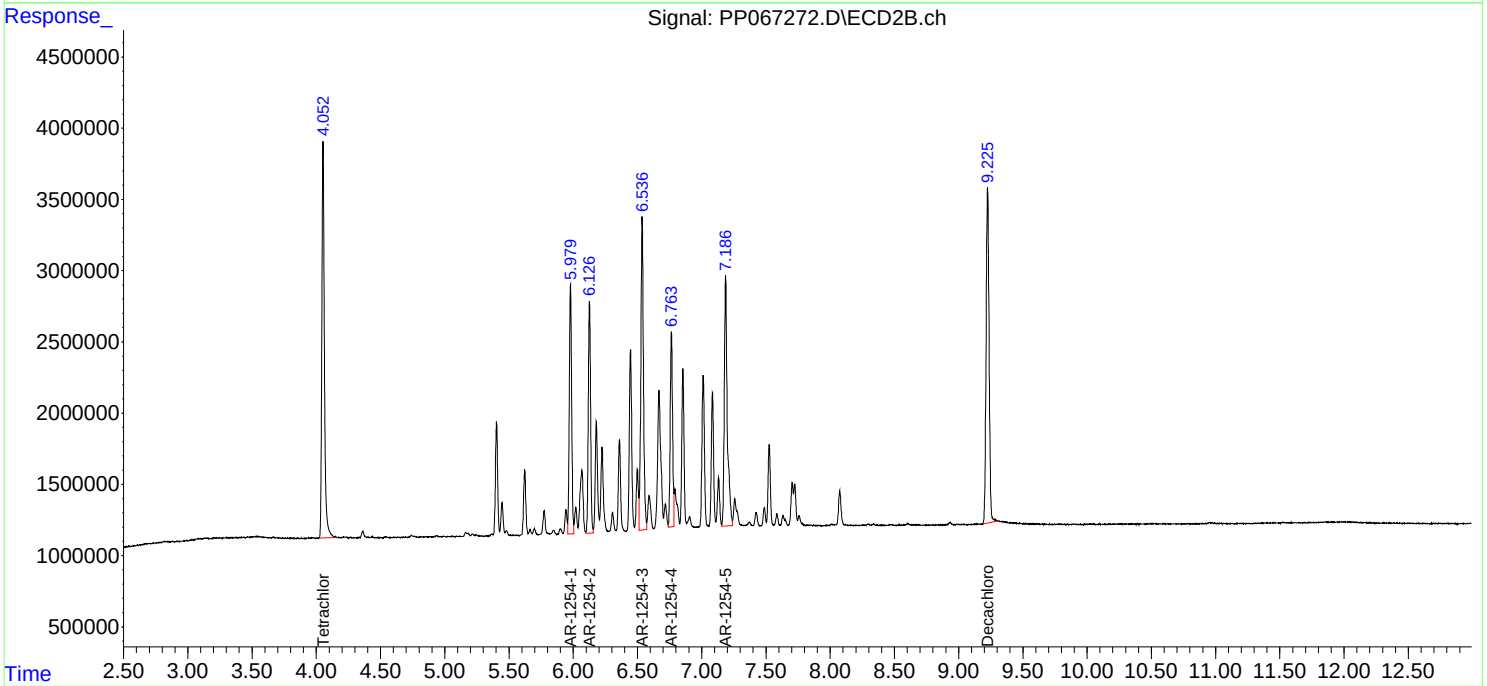
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:53:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 22:14
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:56:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	6152425	7021464	4.678	4.806
2)	SA Decachlor...	10.660	9.226	7809090	7521024	5.500	5.448
	Target Compounds						
26)	L6 AR-1254-1	6.771	5.980	3338455	4350274	53.616m	53.667
27)	L6 AR-1254-2	6.988	6.127	4787318	3920137	52.762	53.450
28)	L6 AR-1254-3	7.353	6.537	4819008	5994290	51.376	52.573
29)	L6 AR-1254-4	7.636	6.765	3449374	3171430	51.758	50.848
30)	L6 AR-1254-5	8.053	7.186	4242820	5138255	51.356m	50.047

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 22:14
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

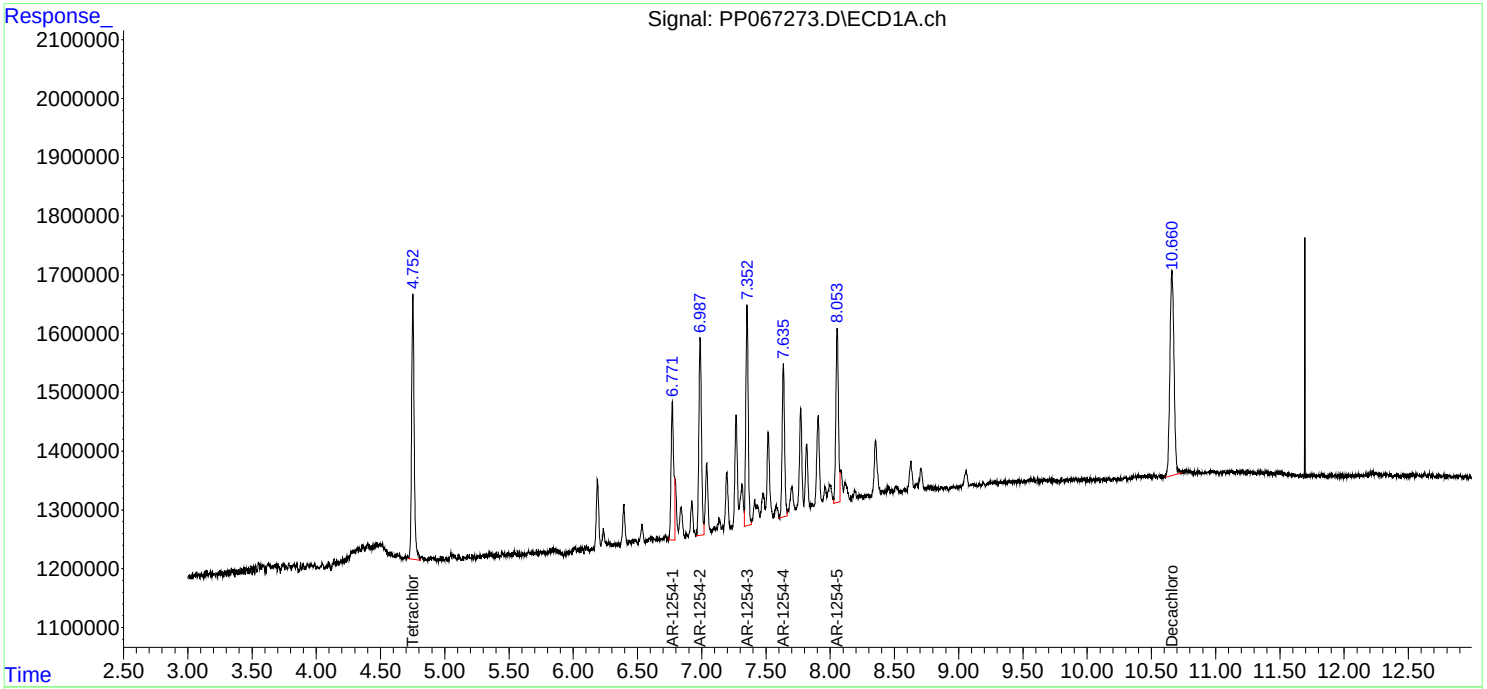
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

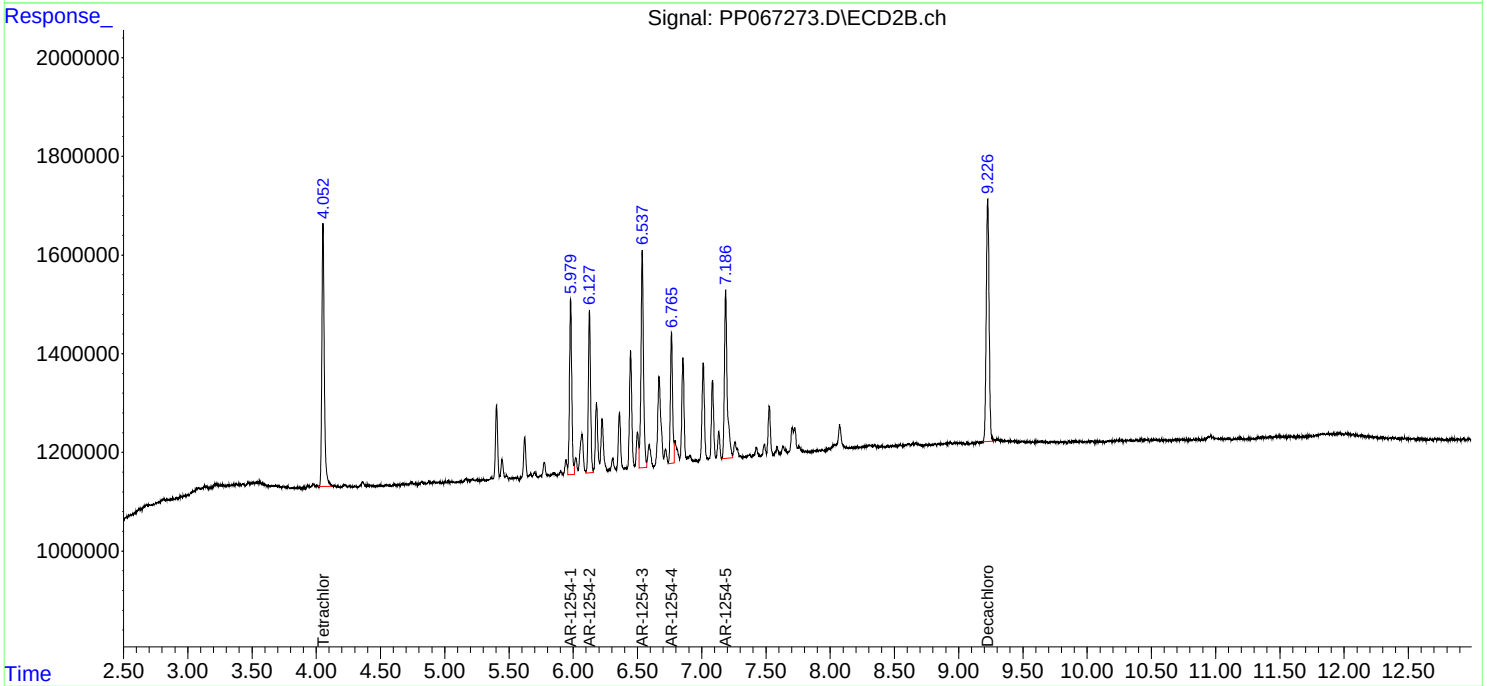
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :Ankita Jodhani 09/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:56:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 22:30
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 04:02:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 04:00:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.754	4.053	65381650	74267070	50.000	50.000
2)	SA Decachlor...	10.662	9.225	69639876	68736732	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.372	7.226	47674327	52589320	500.000	500.000
37)	L8 AR-1262-2	8.708	7.488	81124286	47338017	500.000	500.000
38)	L8 AR-1262-3	9.046	8.014	58739869	36675757	500.000	500.000
39)	L8 AR-1262-4	9.138	8.078	46243192	65899095	500.000	500.000
40)	L8 AR-1262-5	9.839	8.605	30611278	30379769	500.000	500.000

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

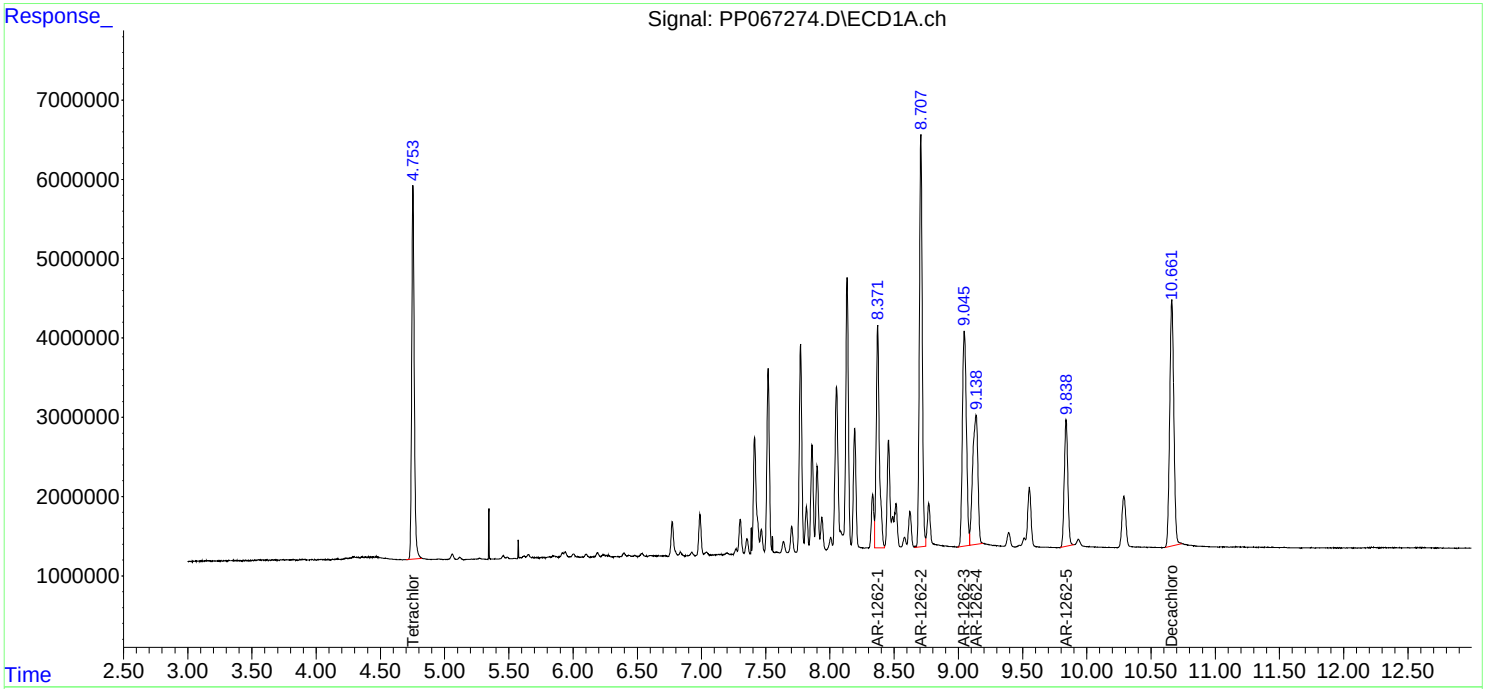
ICAL Form

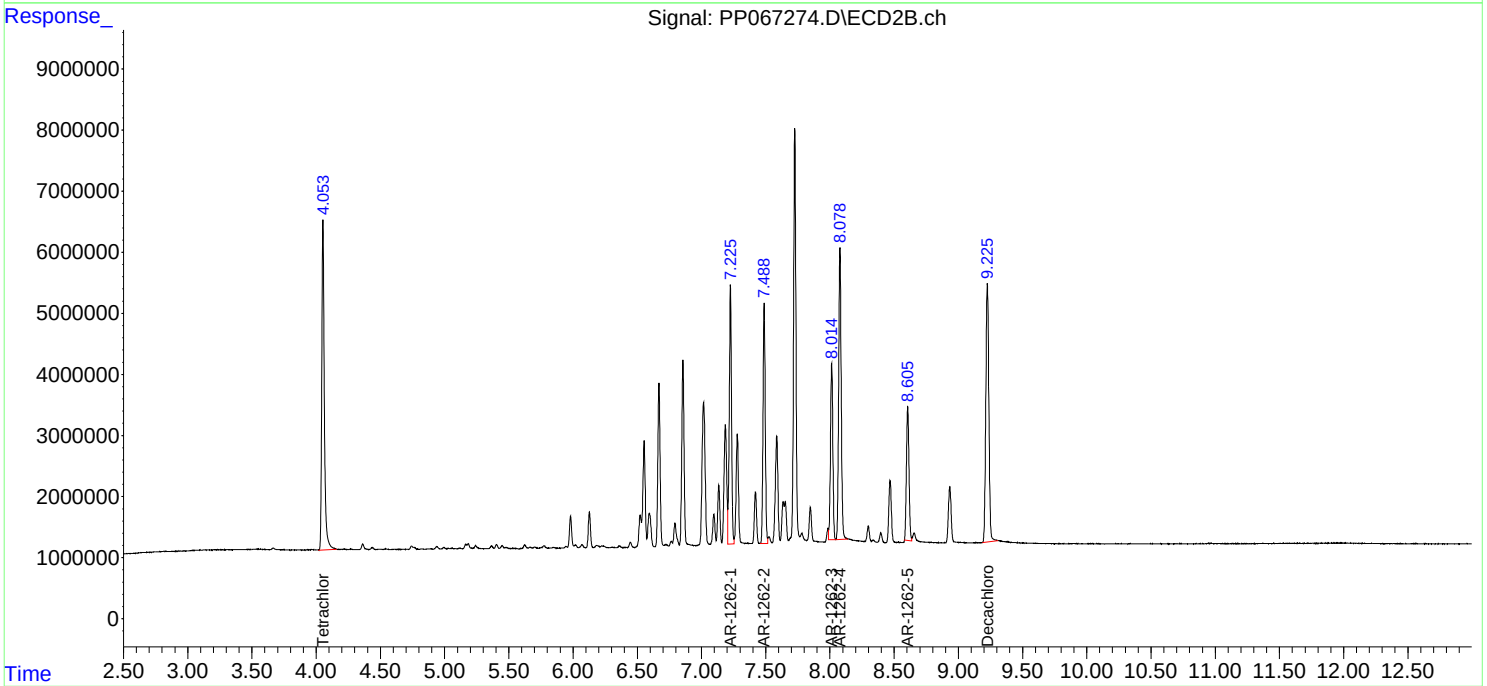
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 22:30
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 04:02:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 04:00:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 22:47
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:45:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	127.0E6	138.1E6	98.142	97.090
2)	SA Decachlor...	10.662	9.226	199.5E6	201.4E6	93.600	94.162
	Target Compounds						
41)	L9 AR-1268-1	9.041	8.014	175.9E6	185.2E6	943.440	945.072
42)	L9 AR-1268-2	9.141	8.078	156.8E6	165.0E6	942.554	942.568
43)	L9 AR-1268-3	9.391	8.299	135.7E6	146.7E6	931.465	948.292
44)	L9 AR-1268-4	9.838	8.605	56156840	60171176	926.176	936.479
45)	L9 AR-1268-5	10.289	8.934	402.4E6	414.2E6	952.632	945.844

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

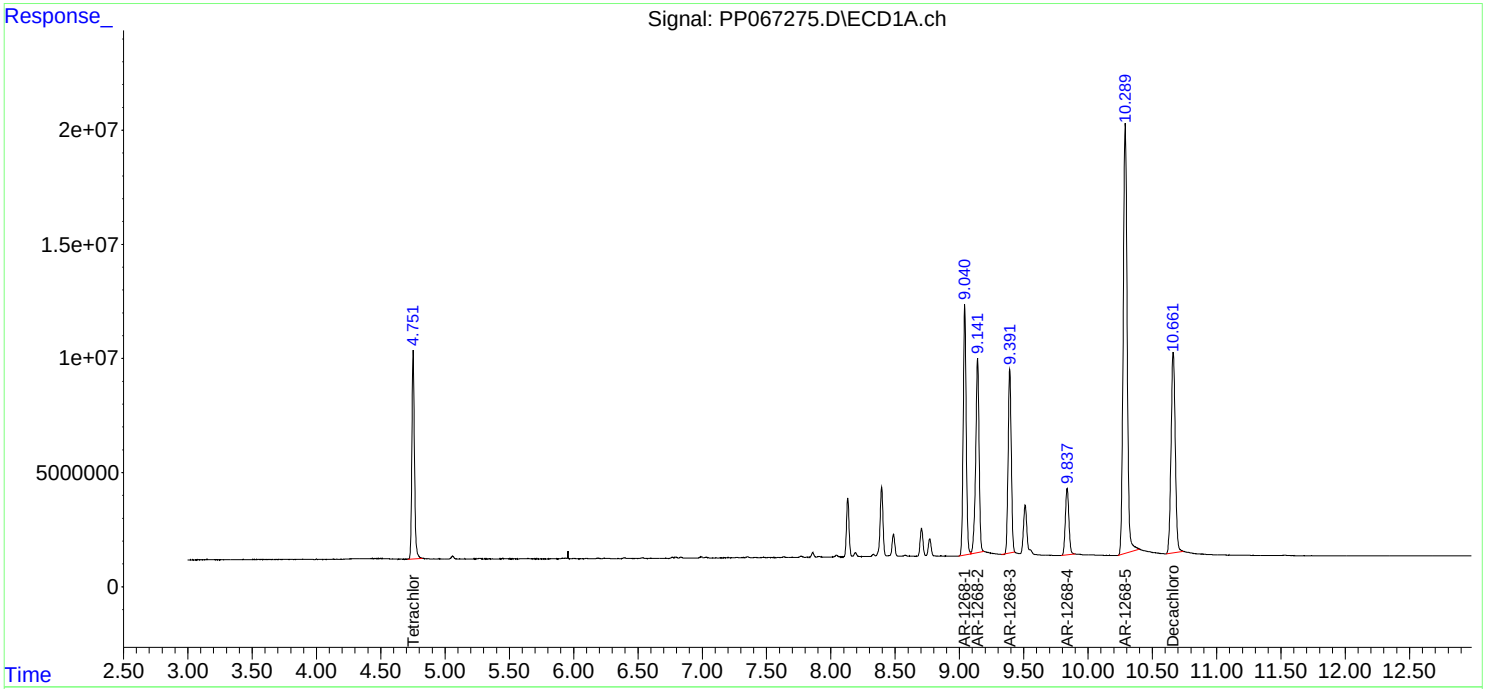
ICAL Form

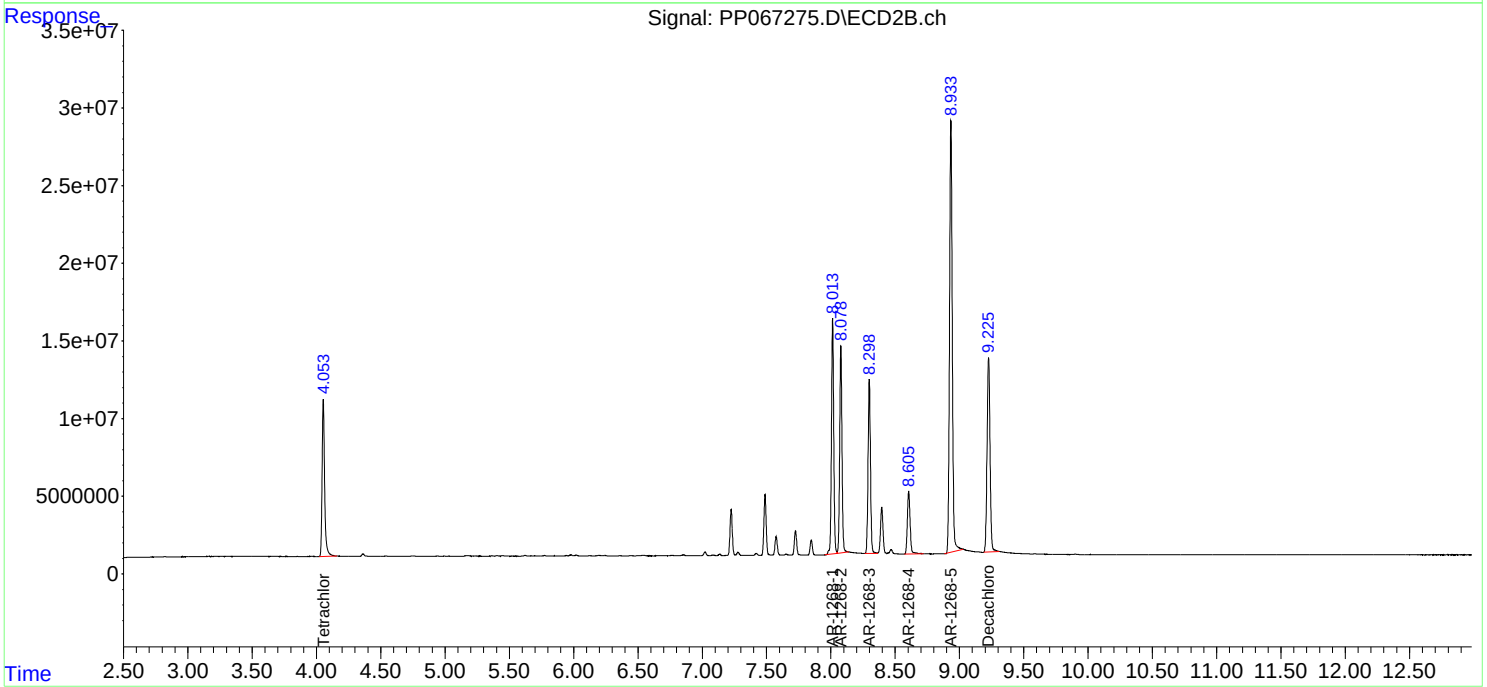
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 22:47
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:45:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:03
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:44:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	96110038	105.9E6	73.612	73.336
2)	SA Decachlor...	10.661	9.226	158.3E6	159.5E6	71.976	72.438
	Target Compounds						
41)	L9 AR-1268-1	9.042	8.013	138.7E6	145.7E6	723.316	723.476
42)	L9 AR-1268-2	9.142	8.078	123.8E6	131.0E6	723.332	727.530
43)	L9 AR-1268-3	9.391	8.298	107.4E6	115.2E6	712.997	725.642
44)	L9 AR-1268-4	9.838	8.605	45490566	47815248	723.553	721.269
45)	L9 AR-1268-5	10.289	8.933	315.5E6	328.3E6	729.491	730.054

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

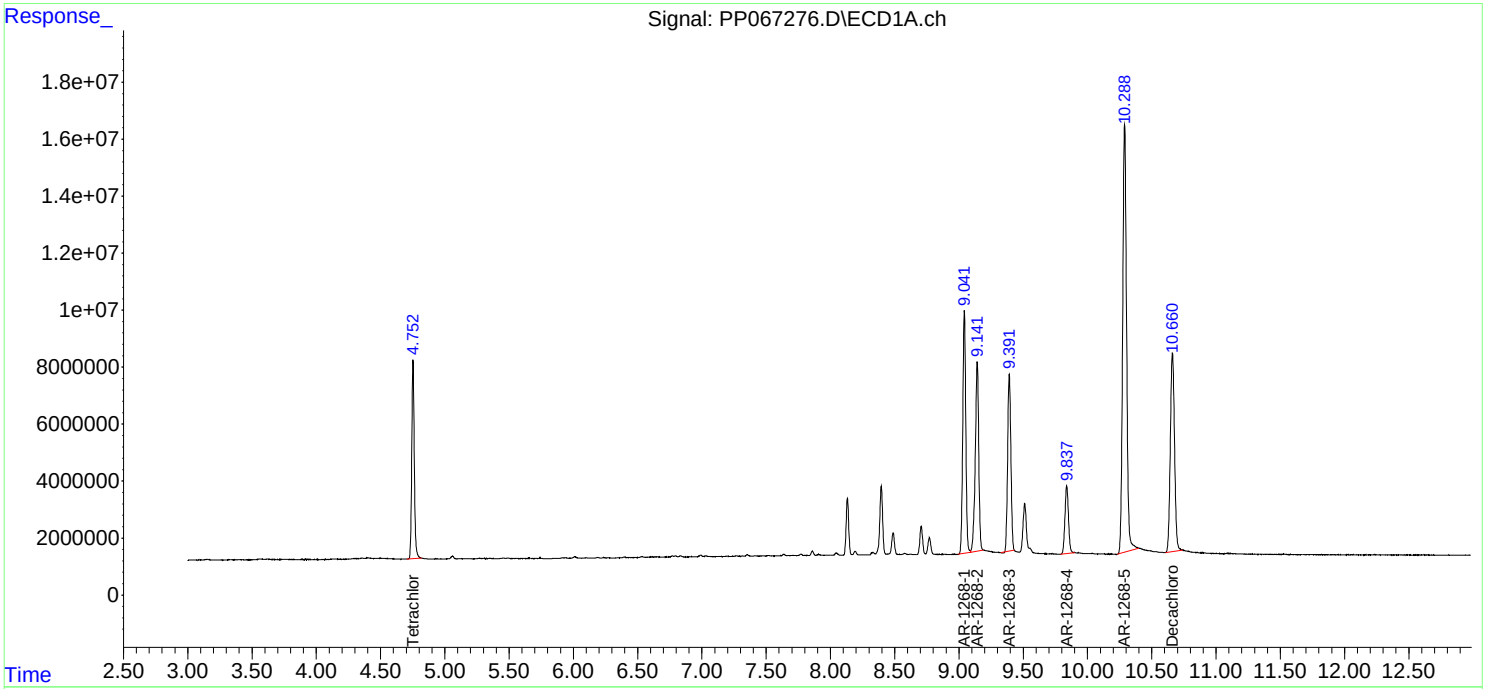
ICAL Form

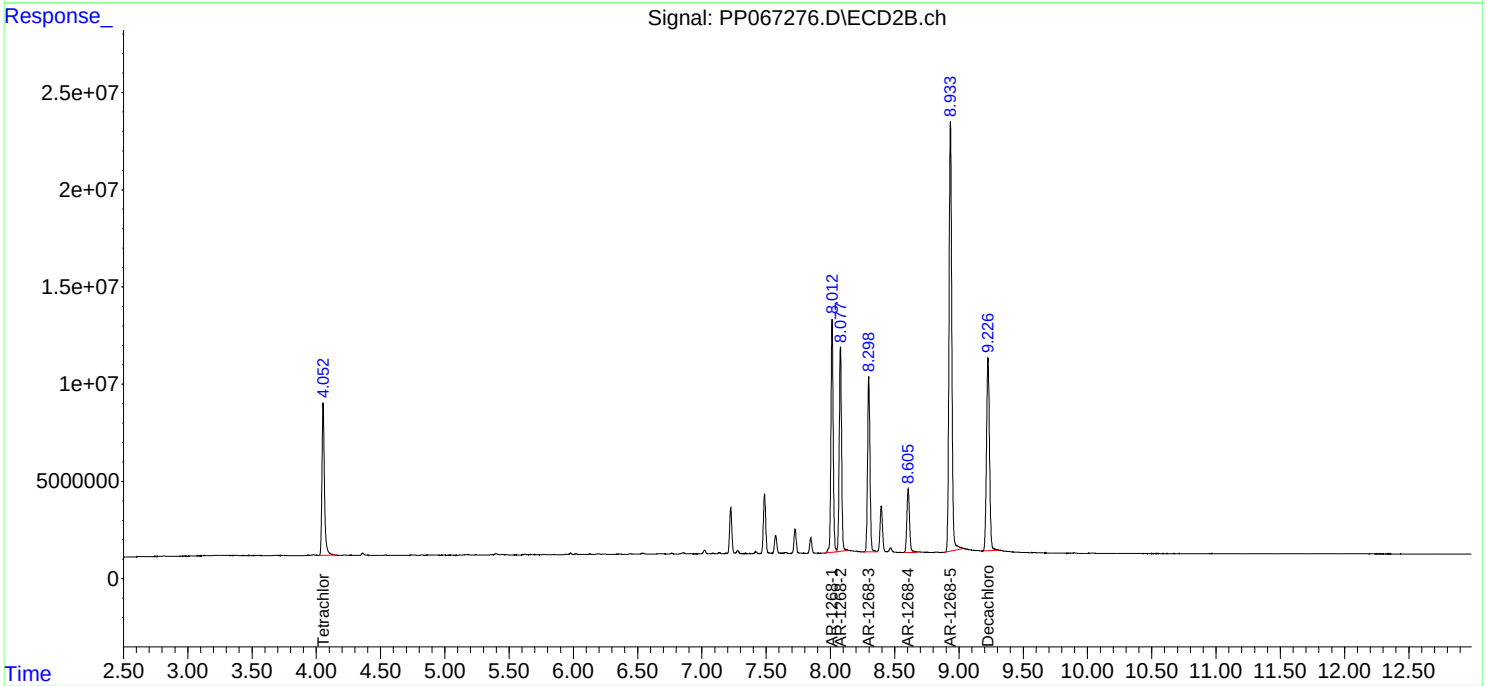
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:03
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:44:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:19
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:41:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.753	4.053	66489235	73775963	50.000	50.000
2) SA	Decachlor...	10.660	9.226	114.4E6	113.8E6	50.000	50.000
	Target Compounds						
41) L9	AR-1268-1	9.042	8.013	99274137	104.3E6	500.000	500.000
42) L9	AR-1268-2	9.141	8.078	88633767	92721225	500.000	500.000
43) L9	AR-1268-3	9.392	8.299	79046593	81923112	500.000	500.000
44) L9	AR-1268-4	9.838	8.606	32544041	34416405	500.000	500.000
45) L9	AR-1268-5	10.289	8.934	222.1E6	230.8E6	500.000	500.000

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

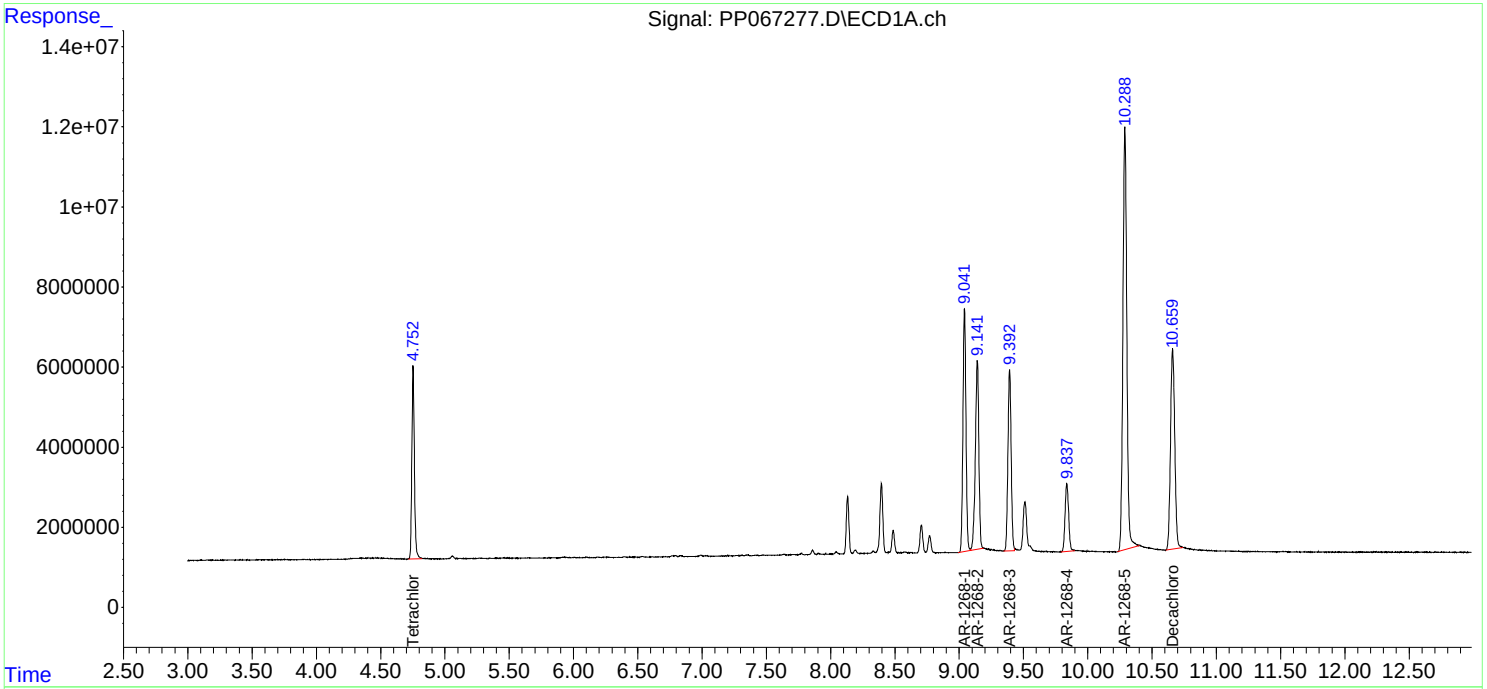
ICAL Form

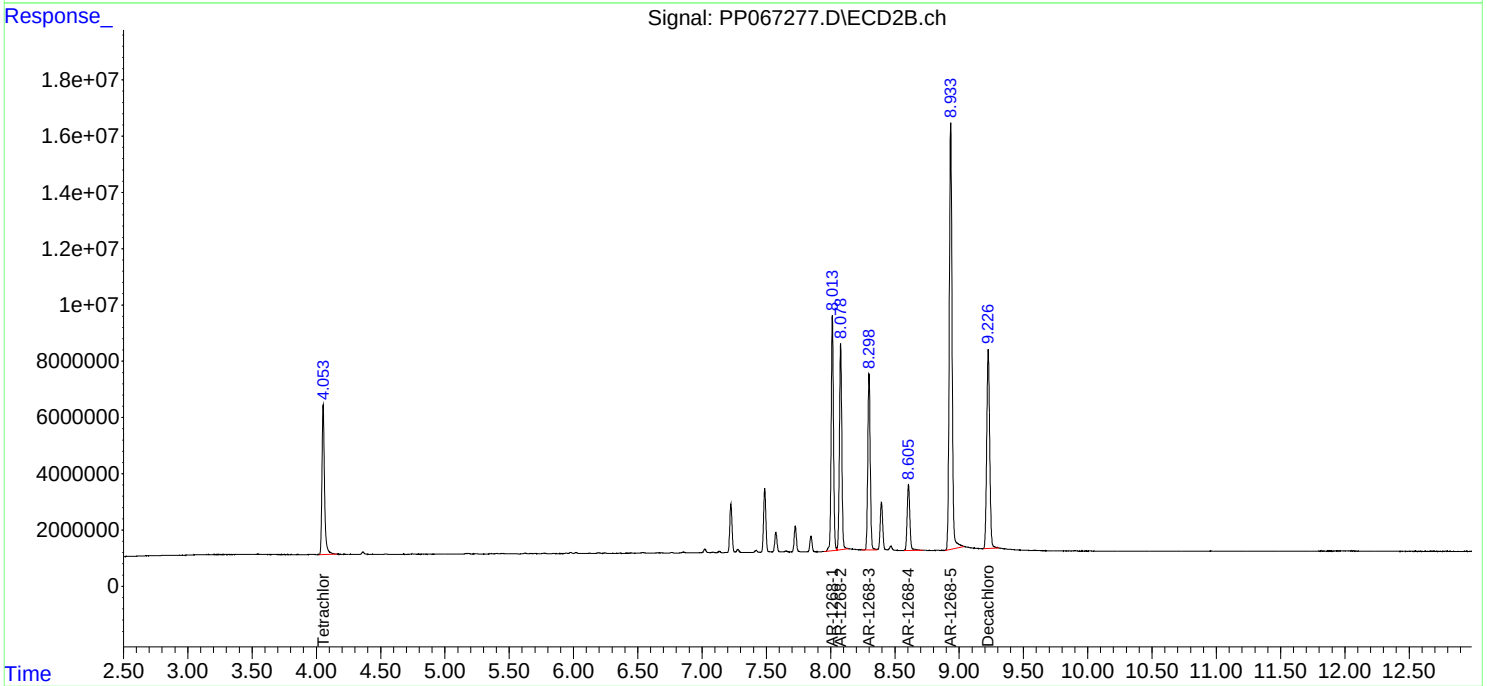
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:19
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:41:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:35
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:47:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	34063820	38189342	25.986	26.356
2)	SA Decachlor...	10.662	9.226	62132514	59892747	27.986	27.183
	Target Compounds						
41)	L9 AR-1268-1	9.043	8.013	52501575	53968856	272.959	268.536
42)	L9 AR-1268-2	9.142	8.078	46671161	47756838	272.179	266.763
43)	L9 AR-1268-3	9.393	8.299	41149078	42857503	273.597	269.752
44)	L9 AR-1268-4	9.839	8.606	17311223	18111050	275.718	273.166
45)	L9 AR-1268-5	10.291	8.933	117.3E6	115.6E6	270.129	260.413

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

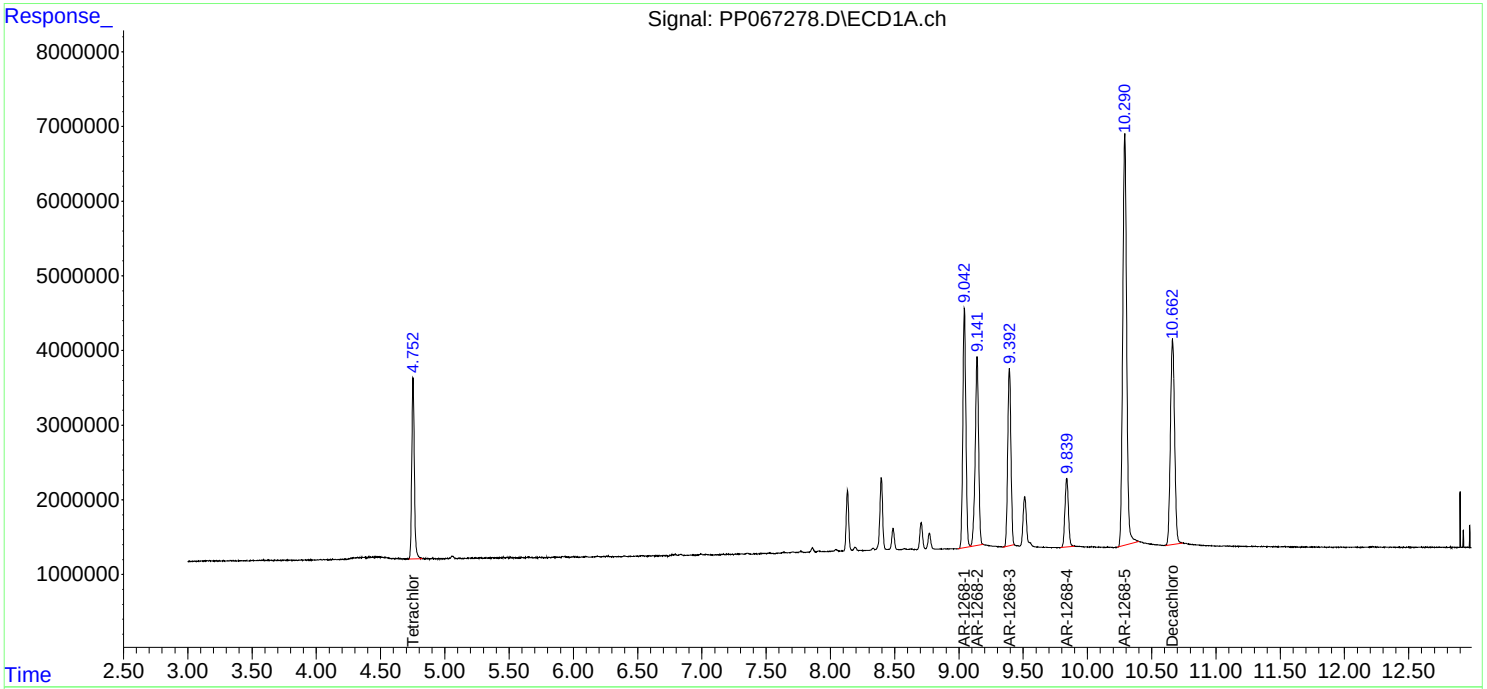
ICAL Form

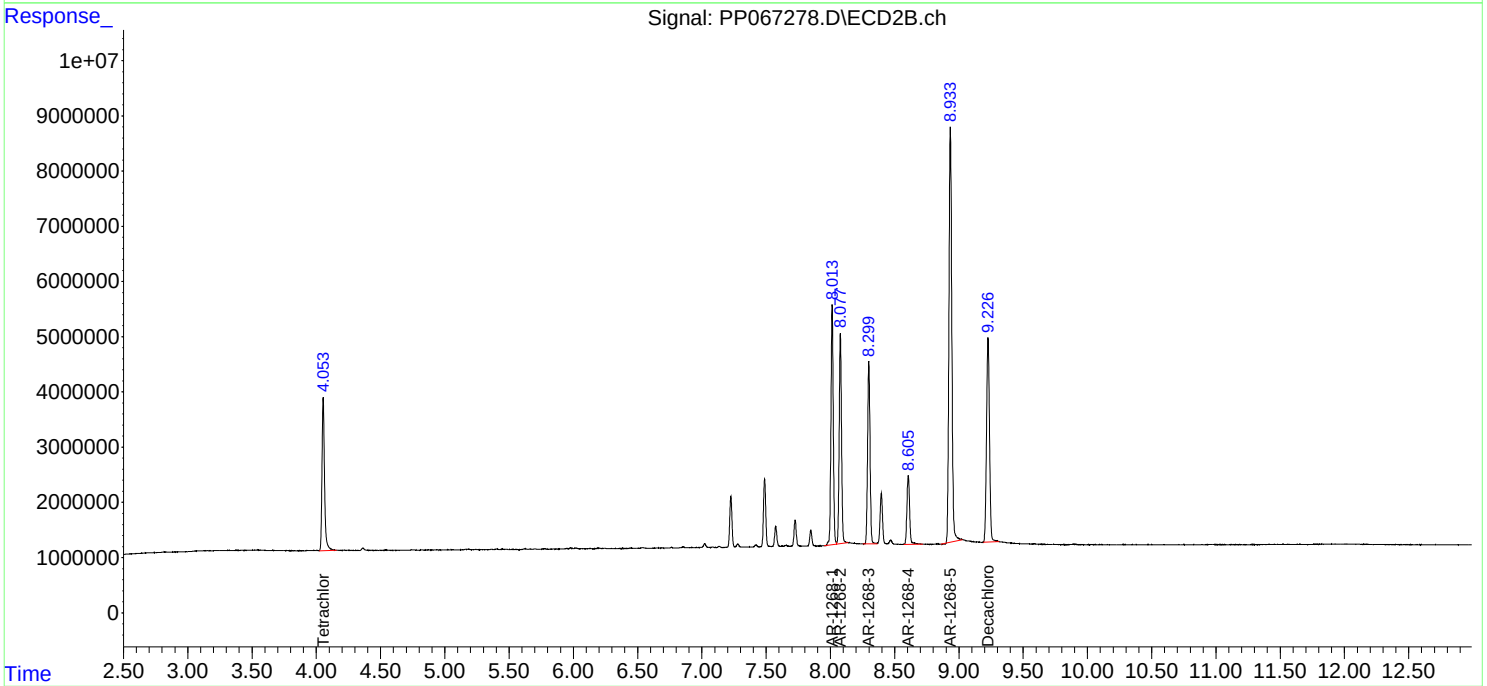
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:35
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:47:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:51
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:49:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	5779303	6837427	4.516	4.772
2)	SA Decachlor...	10.662	9.225	11584839	11473474	5.173	5.165
	Target Compounds						
41)	L9 AR-1268-1	9.044	8.012	9664115	10157378	50.195	50.432
42)	L9 AR-1268-2	9.143	8.077	8353610	8911832	48.968	49.824
43)	L9 AR-1268-3	9.393	8.297	7561089	7941348	50.218	49.987
44)	L9 AR-1268-4	9.839	8.603	2655761	2881019	43.643	44.622
45)	L9 AR-1268-5	10.289	8.932	21190574	21642626	49.049	48.988

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

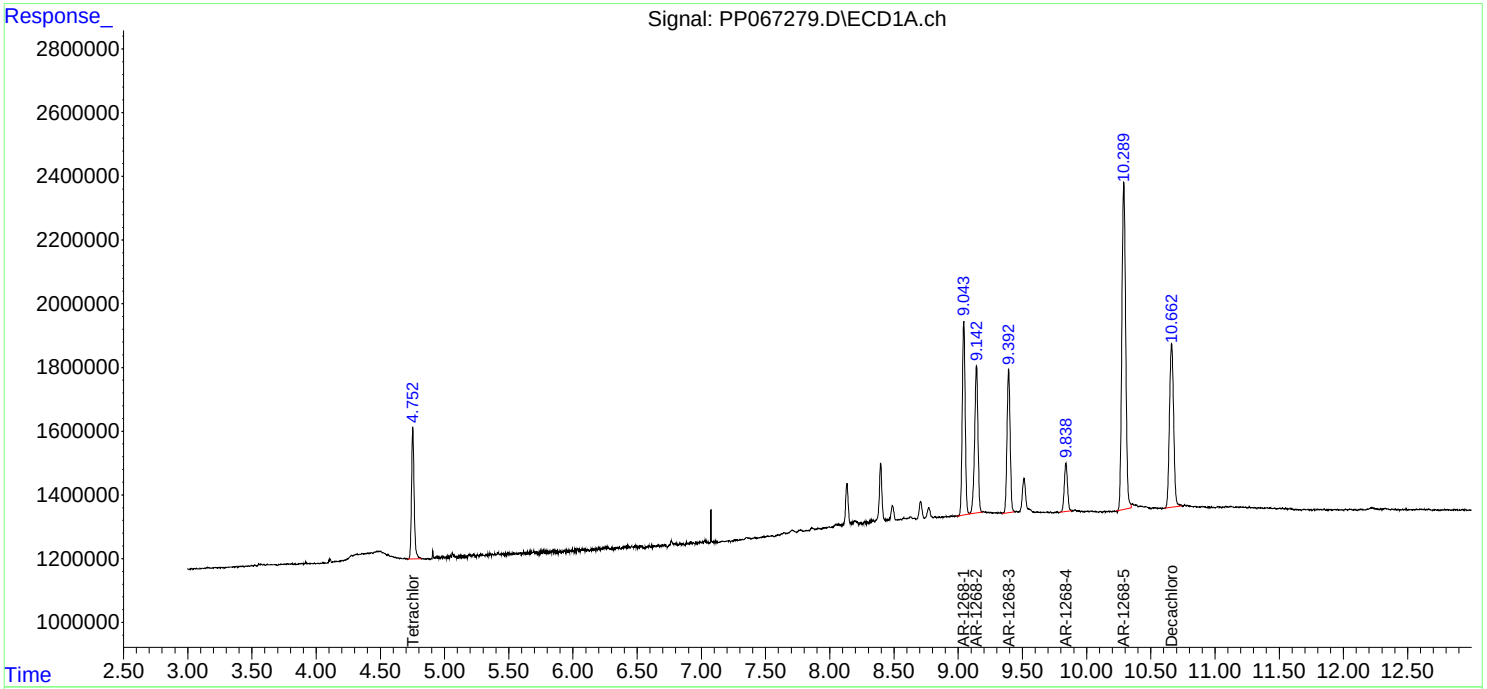
ICAL Form

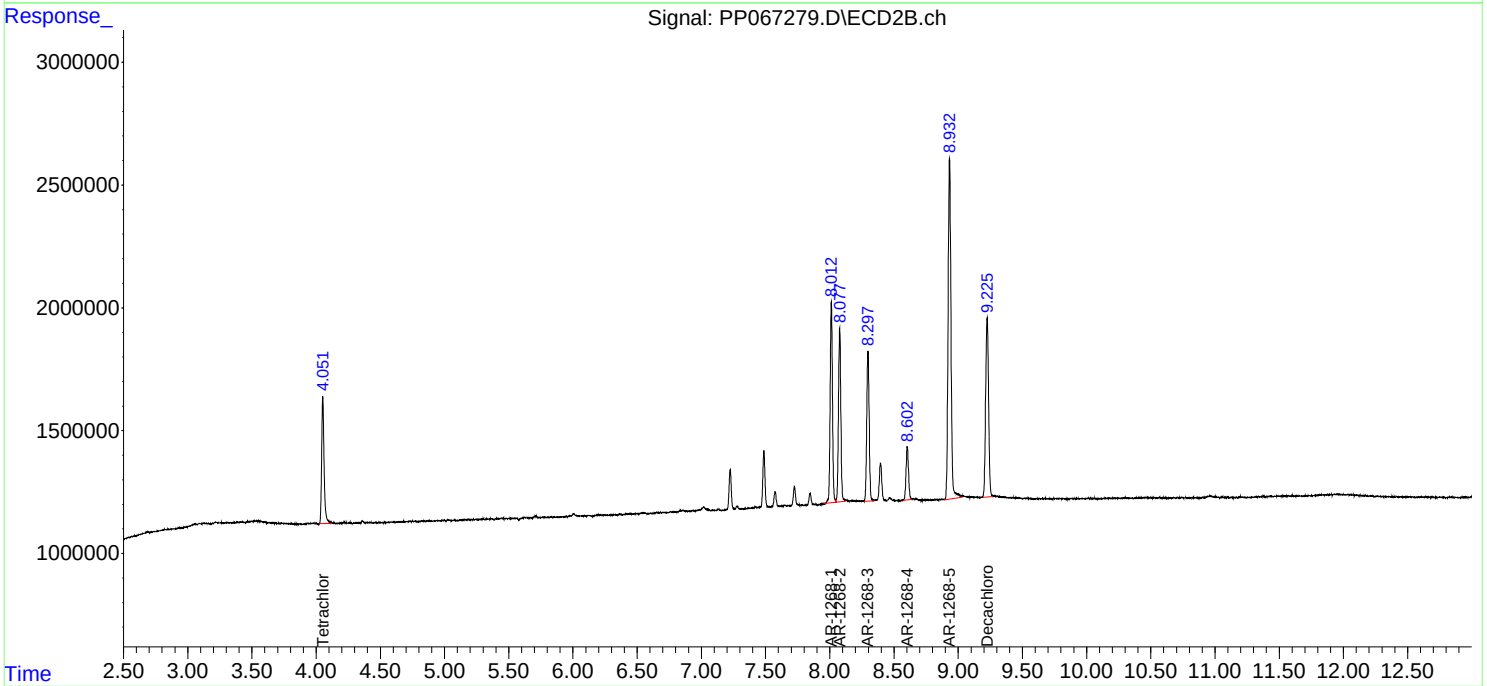
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 23:51
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:49:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:07
Operator : YP\AJ
Sample : PP092624ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:49:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:40:21 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.054	68713915	78209306	51.123	52.344
2)	SA Decachlor...	10.661	9.226	69150197	67638231	47.634	49.083
	Target Compounds						
3)	L1 AR-1016-1	5.916	5.165	24737916	25756925	518.835	499.370
4)	L1 AR-1016-2	5.939	5.185	35950048	36230343	519.196	509.539
5)	L1 AR-1016-3	6.003	5.365	23457103	20386592	525.118	512.255
6)	L1 AR-1016-4	6.100	5.404	18999815	17665977	528.723	511.626
7)	L1 AR-1016-5	6.395	5.624	19946126	22002419	541.283	512.757
31)	L7 AR-1260-1	7.519	6.669	40304811	41587844	511.596	508.387
32)	L7 AR-1260-2	7.772	6.855	45316493	47725918	497.188	508.023
33)	L7 AR-1260-3	8.133	7.013	32403197	46484000	512.951	513.094
34)	L7 AR-1260-4	8.370	7.488	38711223	34454811	512.695	516.714
35)	L7 AR-1260-5	8.707	7.726	65975075	73929520	509.557	507.809

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

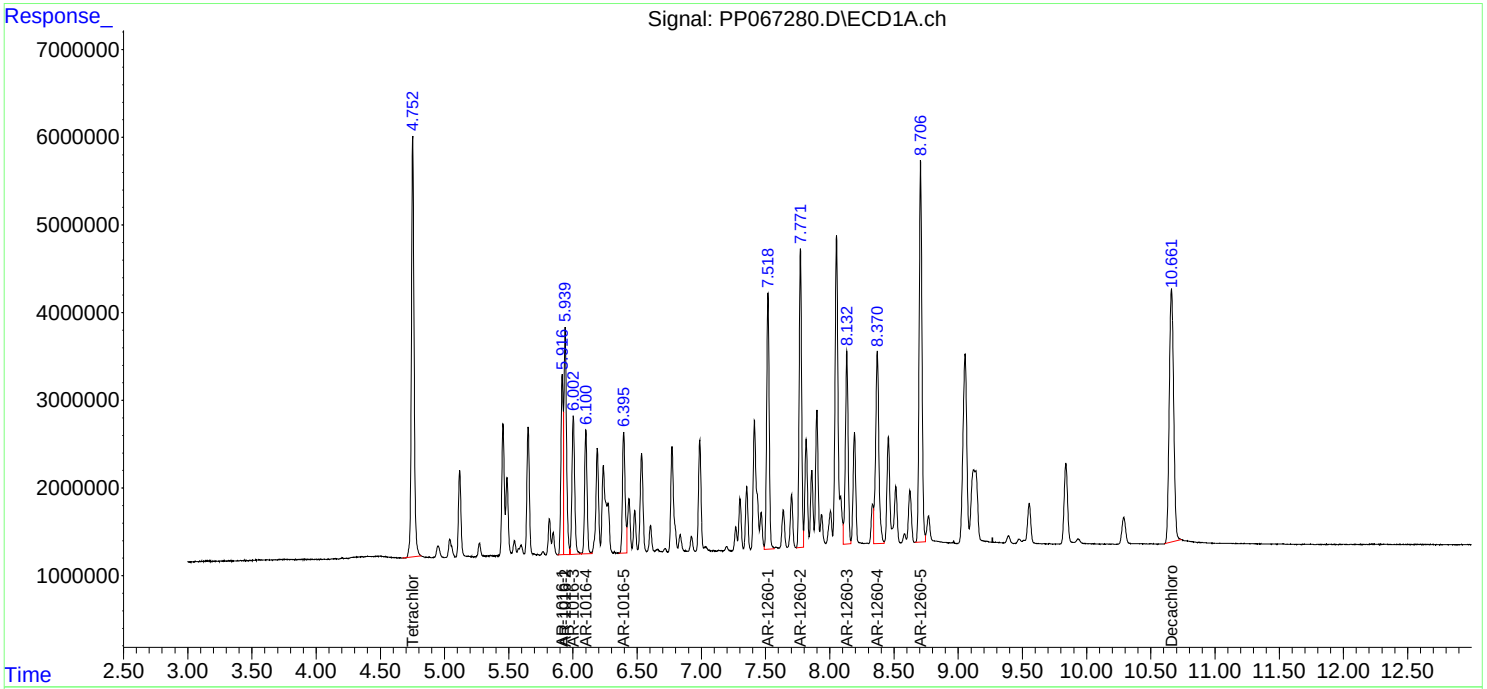
ICAL Form

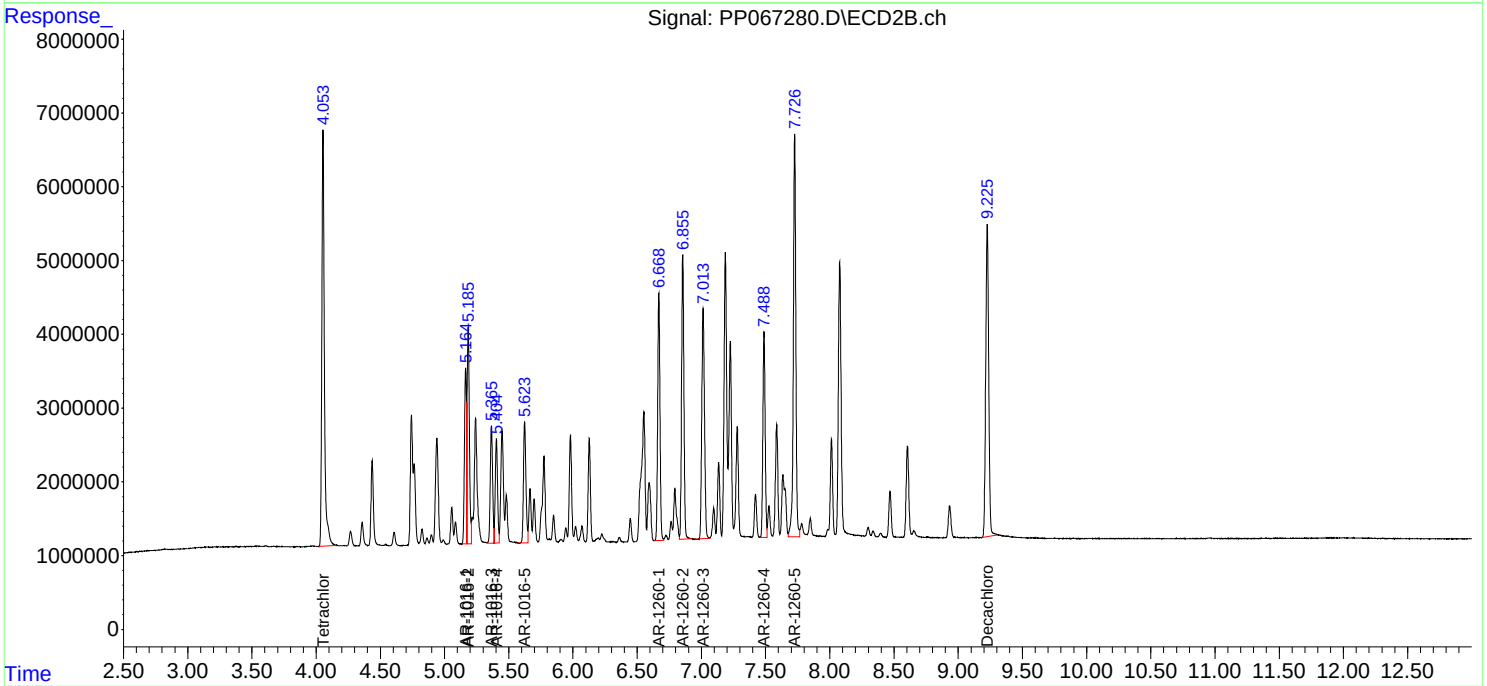
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:07
Operator : YP\AJ
Sample : PP092624ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 01:49:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 01:40:21 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:23
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:28:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:26:48 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	66716309	75435025	51.553	52.212
2)	SA Decachlor...	10.661	9.224	64652957	63112018	48.511	48.523
	Target Compounds						
16)	L4 AR-1242-1	5.917	5.163	18363609	19211626	516.375	501.008
17)	L4 AR-1242-2	5.939	5.184	26010337	26481736	497.145	505.682
18)	L4 AR-1242-3	6.003	5.364	17319607	15153849	508.187	509.875
19)	L4 AR-1242-4	6.101	5.448	13864337	16305848	505.519	506.728
20)	L4 AR-1242-5	6.835	5.978	14961871	19290356	502.721	505.272

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

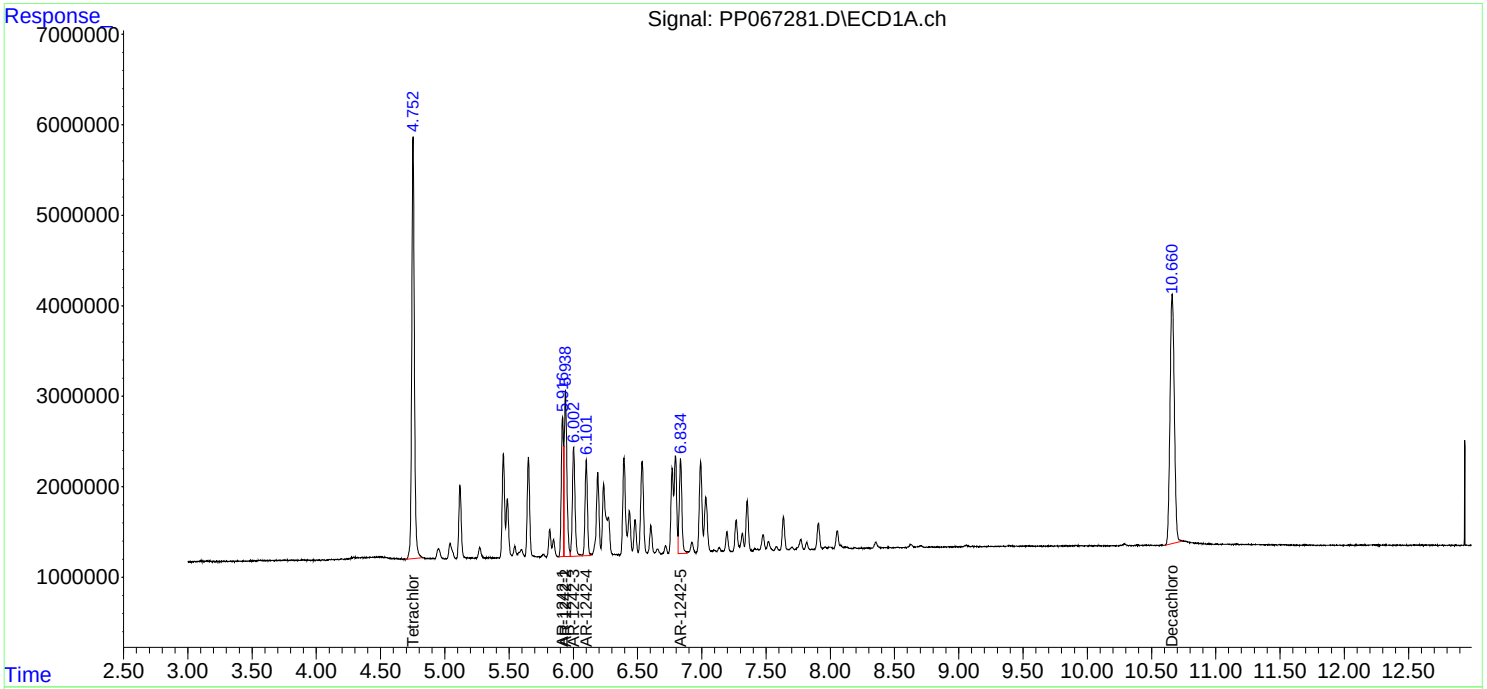
ICAL Form

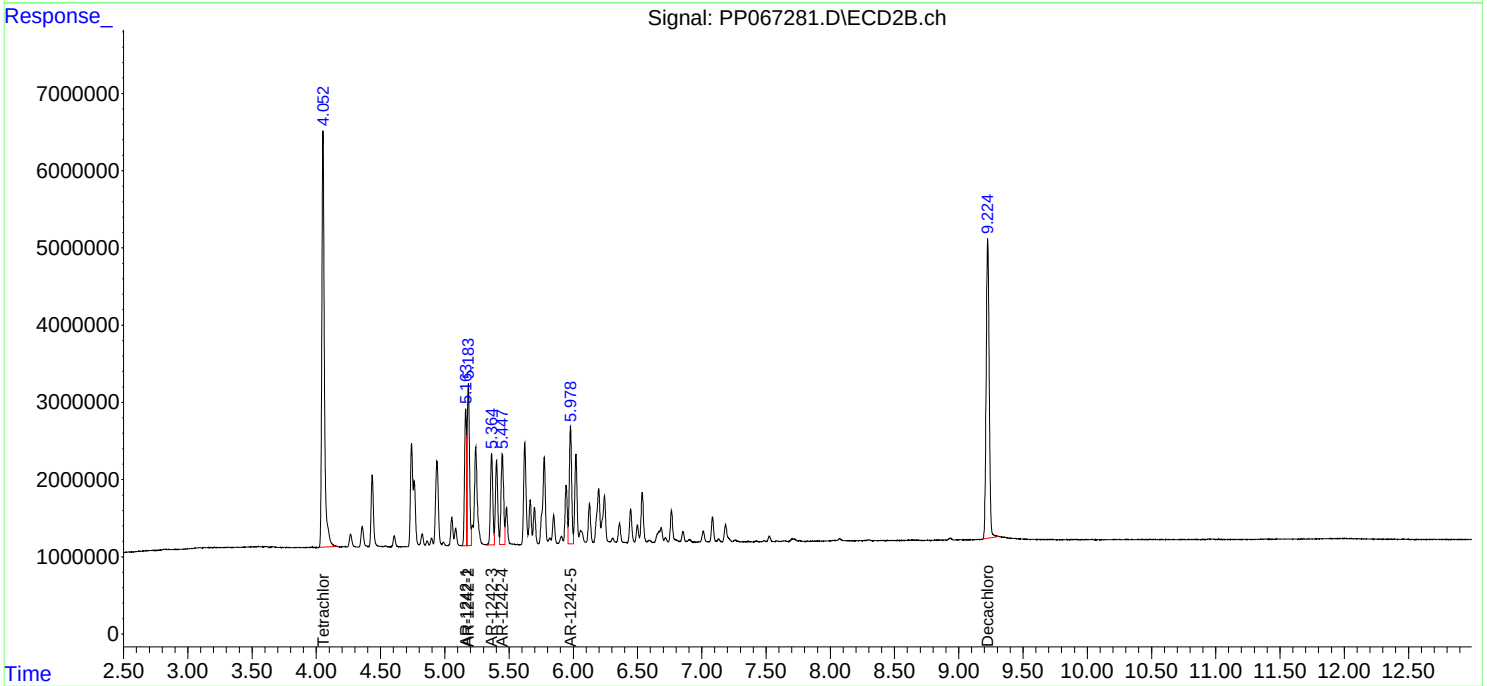
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:23
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 02:28:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:26:48 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:39
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:07:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.054	64265309	72112267	49.440	50.576
2)	SA Decachlor...	10.663	9.226	64912270	63059364	47.766	48.050
	Target Compounds						
21)	L5 AR-1248-1	5.917	5.164	14023377	15237227	496.665	497.528
22)	L5 AR-1248-2	6.191	5.405	22121627	22160808	498.293	488.471
23)	L5 AR-1248-3	6.396	5.448	24560362	23070255	506.148	487.374
24)	L5 AR-1248-4	6.795	5.623	26160654	26679796	482.137	491.269
25)	L5 AR-1248-5	6.835	6.022	26466806	23876047	479.957	489.881

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

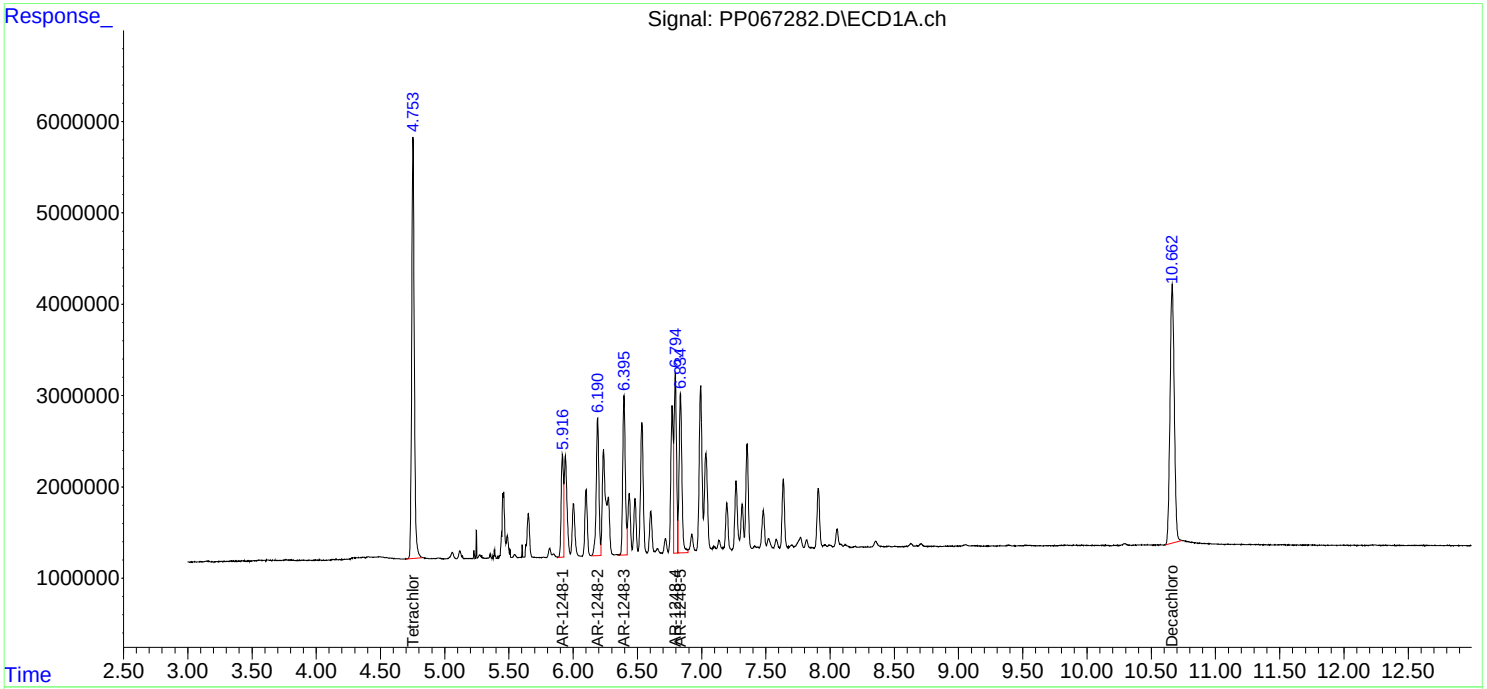
ICAL Form

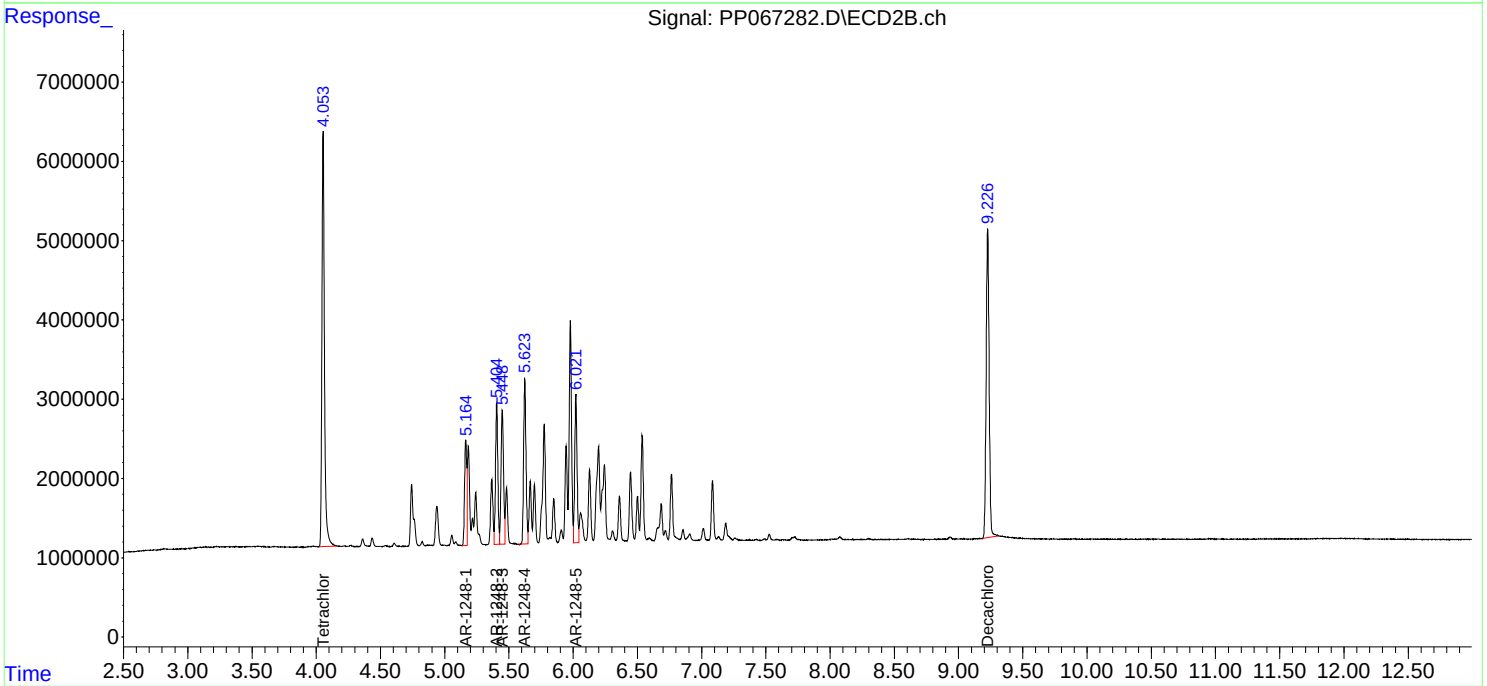
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:39
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:07:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 02:30:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:56
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:58:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	67961055	73834676	51.678	50.533
2)	SA Decachlor...	10.662	9.226	64772760	64180714	45.617	46.491
	Target Compounds						
26)	L6 AR-1254-1	6.771	5.980	30433727	38420820	488.771	473.973
27)	L6 AR-1254-2	6.988	6.127	43380790	34728074	478.107	473.505
28)	L6 AR-1254-3	7.354	6.538	44483779	53486660	474.248	469.103
29)	L6 AR-1254-4	7.635	6.765	31559016	29235558	473.547	468.736
30)	L6 AR-1254-5	8.053	7.187	38609668	48162039	467.341	469.098

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

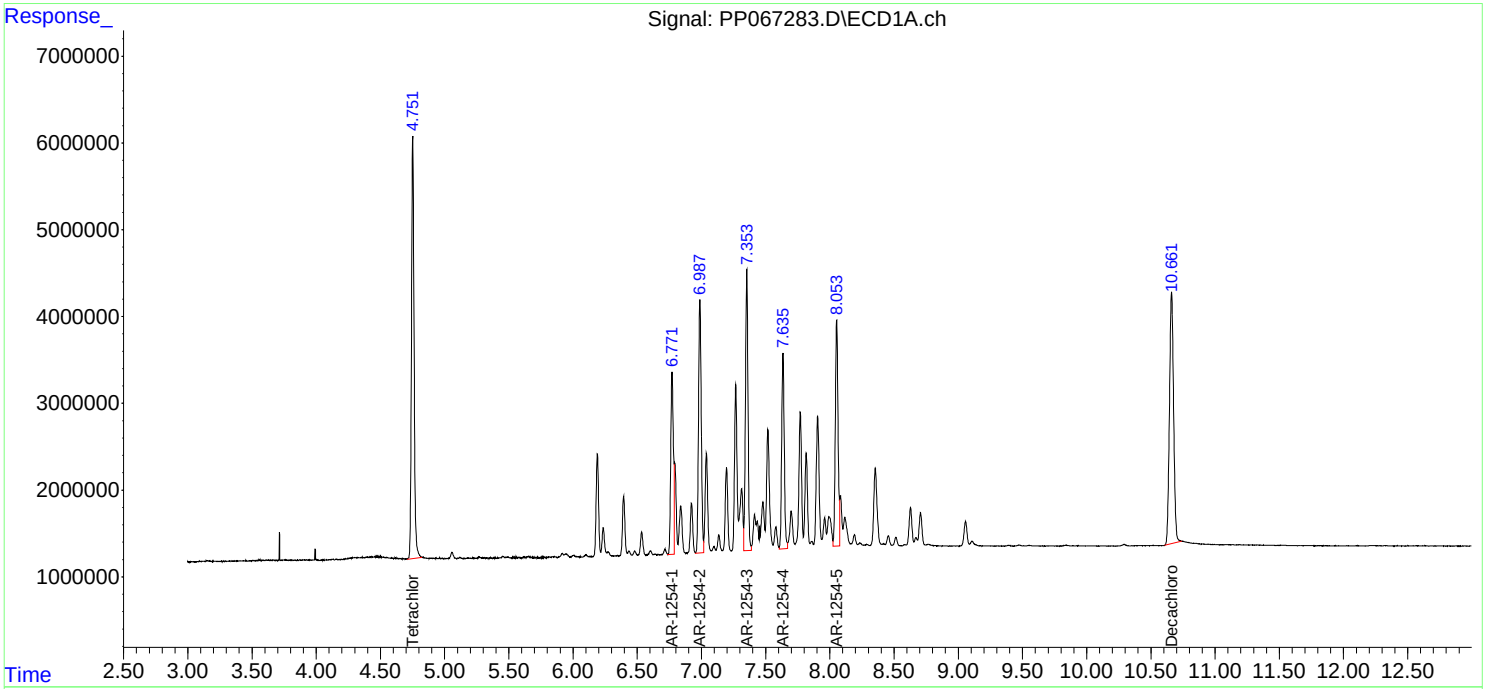
ICAL Form

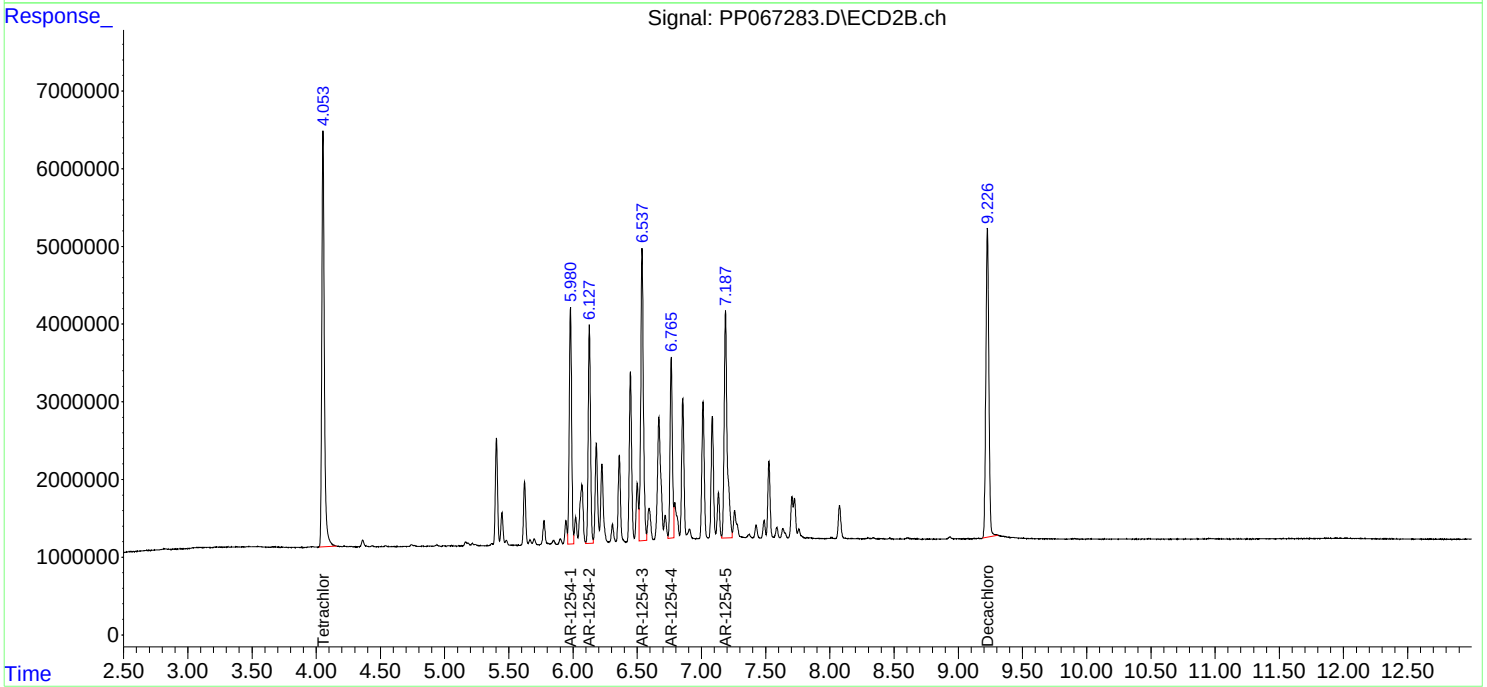
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 00:56
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 03:58:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 03:32:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 01:12
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:50:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.053	64086050	71749935	50.073	50.081
2)	SA Decachlor...	10.661	9.226	102.4E6	99917612	45.739	44.975
	Target Compounds						
41)	L9 AR-1268-1	9.042	8.013	87203092	89422468	452.932	443.984
42)	L9 AR-1268-2	9.140	8.078	77820103	79317716	456.177	443.447
43)	L9 AR-1268-3	9.391	8.298	69619664	70525387	462.391	443.927
44)	L9 AR-1268-4	9.838	8.606	28677424	30271666	471.266	468.860
45)	L9 AR-1268-5	10.288	8.934	197.8E6	199.9E6	457.940	452.494

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

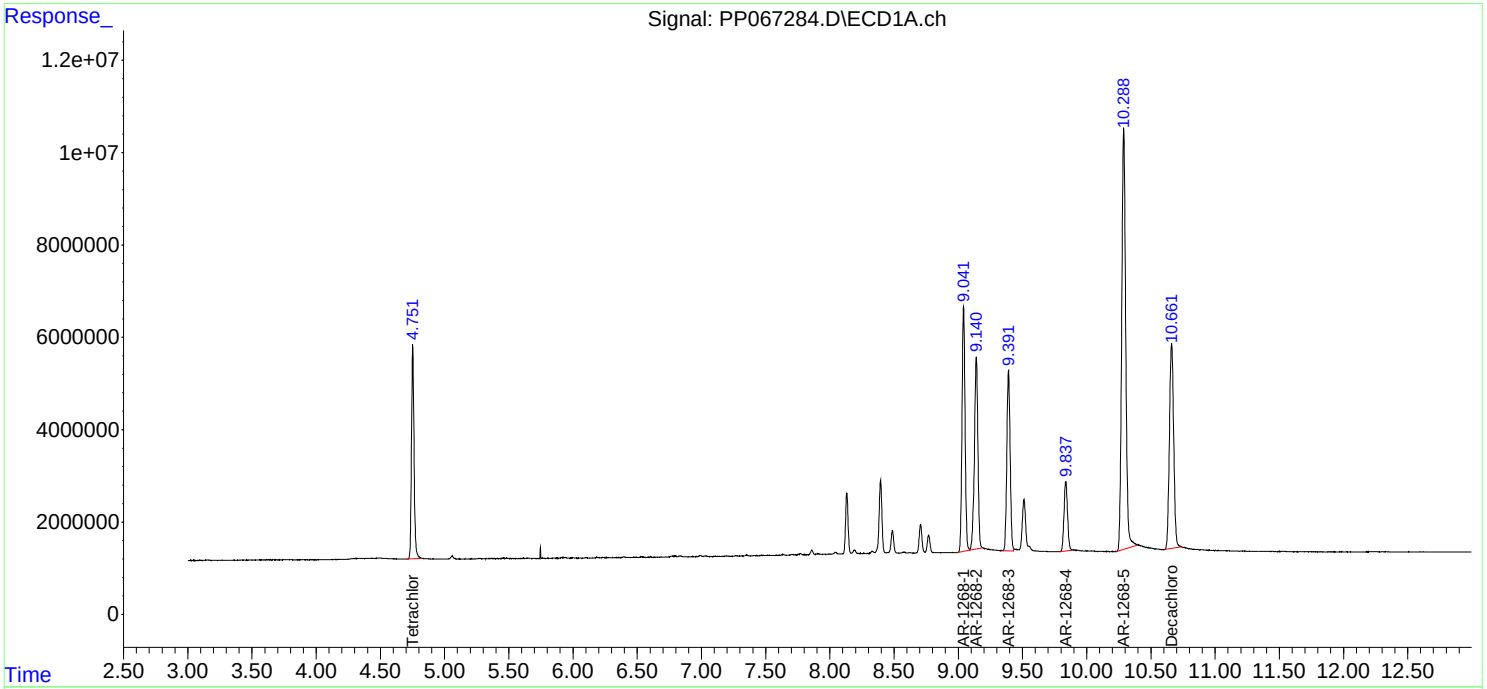
ICAL Form

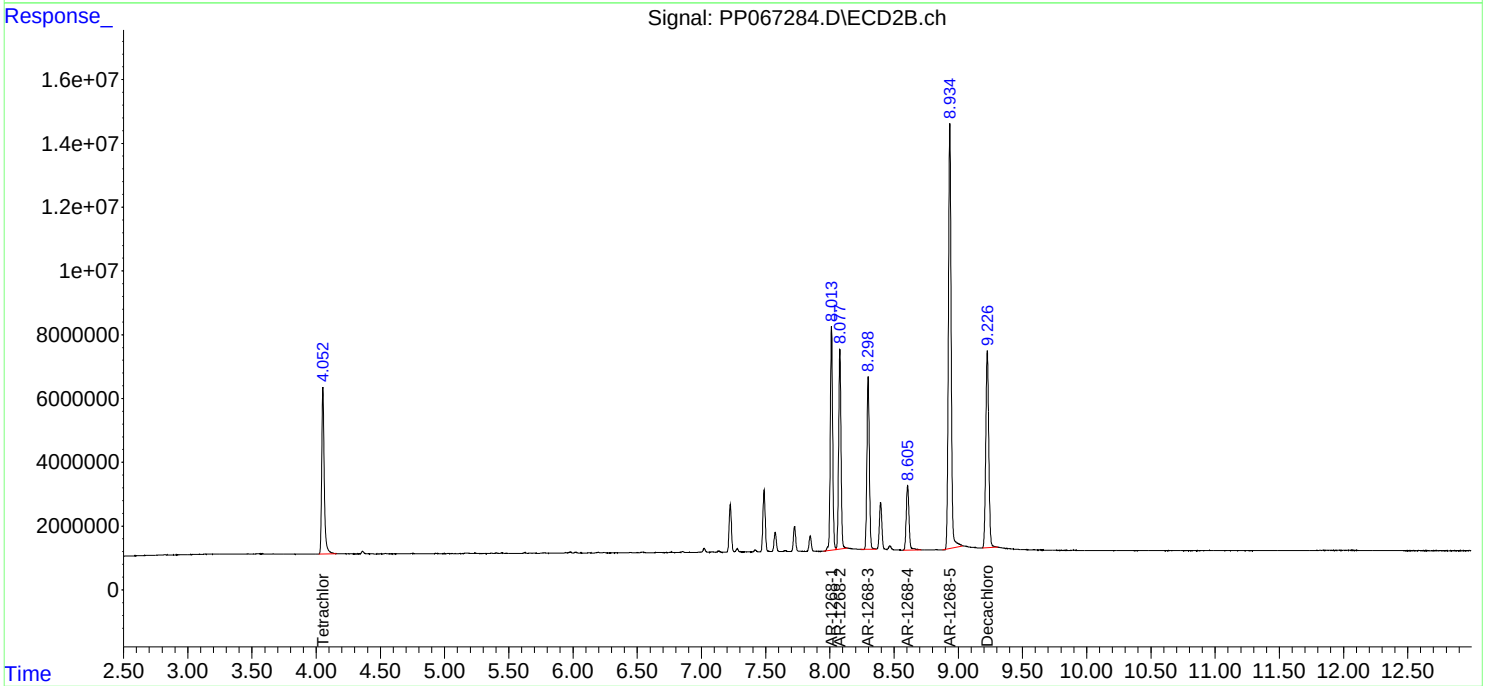
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Sep 2024 01:12
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092624AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 06:50:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:40:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP067426.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 13:34 **Initial Calibration Time(s):** 16:35 23:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.00	5.90	6.10	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.77	7.67	7.87	0.00
Aroclor-1260-3	(3)	8.13	8.13	8.03	8.23	0.00
Aroclor-1260-4	(4)	8.37	8.37	8.27	8.47	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.75	4.65	4.85	0.00
Decachlorobiphenyl		10.66	10.66	10.56	10.76	0.00

Raw Data: **PP067426.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 13:34 **Initial Calibration Time(s):** 16:35 23:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.37	5.27	5.47	0.01
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.67	6.57	6.77	0.01
Aroclor-1260-2	(2)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-5	(5)	7.72	7.73	7.63	7.83	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.23	9.13	9.33	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067426.D **Time Analyzed:** 13:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.917	5.817	6.017	474.830	500.000	-5.0
Aroclor-1016-2	5.940	5.840	6.040	469.370	500.000	-6.1
Aroclor-1016-3	6.003	5.903	6.103	478.840	500.000	-4.2
Aroclor-1016-4	6.101	6.002	6.202	478.430	500.000	-4.3
Aroclor-1016-5	6.396	6.296	6.496	480.050	500.000	-4.0
Aroclor-1260-1	7.519	7.418	7.618	430.280	500.000	-13.9
Aroclor-1260-2	7.772	7.672	7.872	420.850	500.000	-15.8
Aroclor-1260-3	8.133	8.033	8.233	431.910	500.000	-13.6
Aroclor-1260-4	8.372	8.271	8.471	443.950	500.000	-11.2
Aroclor-1260-5	8.708	8.608	8.808	444.910	500.000	-11.0
Decachlorobiphenyl	10.661	10.561	10.761	47.300	50.000	-5.4
Tetrachloro-m-xylene	4.753	4.653	4.853	50.950	50.000	1.9

Raw Data: **PP067426.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067426.D **Time Analyzed:** 13:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.064	5.264	449.100	500.000	-10.2
Aroclor-1016-2	5.181	5.084	5.284	459.490	500.000	-8.1
Aroclor-1016-3	5.361	5.265	5.465	460.030	500.000	-8.0
Aroclor-1016-4	5.400	5.304	5.504	457.300	500.000	-8.5
Aroclor-1016-5	5.619	5.524	5.724	462.480	500.000	-7.5
Aroclor-1260-1	6.664	6.569	6.769	433.030	500.000	-13.4
Aroclor-1260-2	6.850	6.755	6.955	436.360	500.000	-12.7
Aroclor-1260-3	7.008	6.913	7.113	439.810	500.000	-12.0
Aroclor-1260-4	7.483	7.388	7.588	446.520	500.000	-10.7
Aroclor-1260-5	7.721	7.626	7.826	454.610	500.000	-9.1
Decachlorobiphenyl	9.218	9.126	9.326	48.380	50.000	-3.2
Tetrachloro-m-xylene	4.051	3.953	4.153	49.670	50.000	-0.7

Quantitation Report (QT Reviewed)

Sample Results: **PP067426.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 13:34
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: Oct 03 00:13:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.051	68481654	74221581	50.950	49.675
2)	SA Decachlor...	10.661	9.218	68668873	66665532	47.302	48.378
	Target Compounds						
3)	L1 AR-1016-1	5.917	5.160	22639633	23163799	474.827	449.095
4)	L1 AR-1016-2	5.940	5.181	32499885	32671999	469.368	459.495
5)	L1 AR-1016-3	6.003	5.361	21389708	18308252	478.836	460.032
6)	L1 AR-1016-4	6.101	5.400	17192606	15790188	478.432	457.301
7)	L1 AR-1016-5	6.396	5.619	17689813	19844839	480.053	462.475
31)	L7 AR-1260-1	7.519	6.664	33898736	35423578	430.283	433.033
32)	L7 AR-1260-2	7.772	6.850	38359043	40993560	420.854	436.359
33)	L7 AR-1260-3	8.133	7.008	27283834	39844387	431.910	439.806
34)	L7 AR-1260-4	8.372	7.483	33520577	29774359	443.949	446.522
35)	L7 AR-1260-5	8.708	7.721	57604316	66183953	444.905	454.606

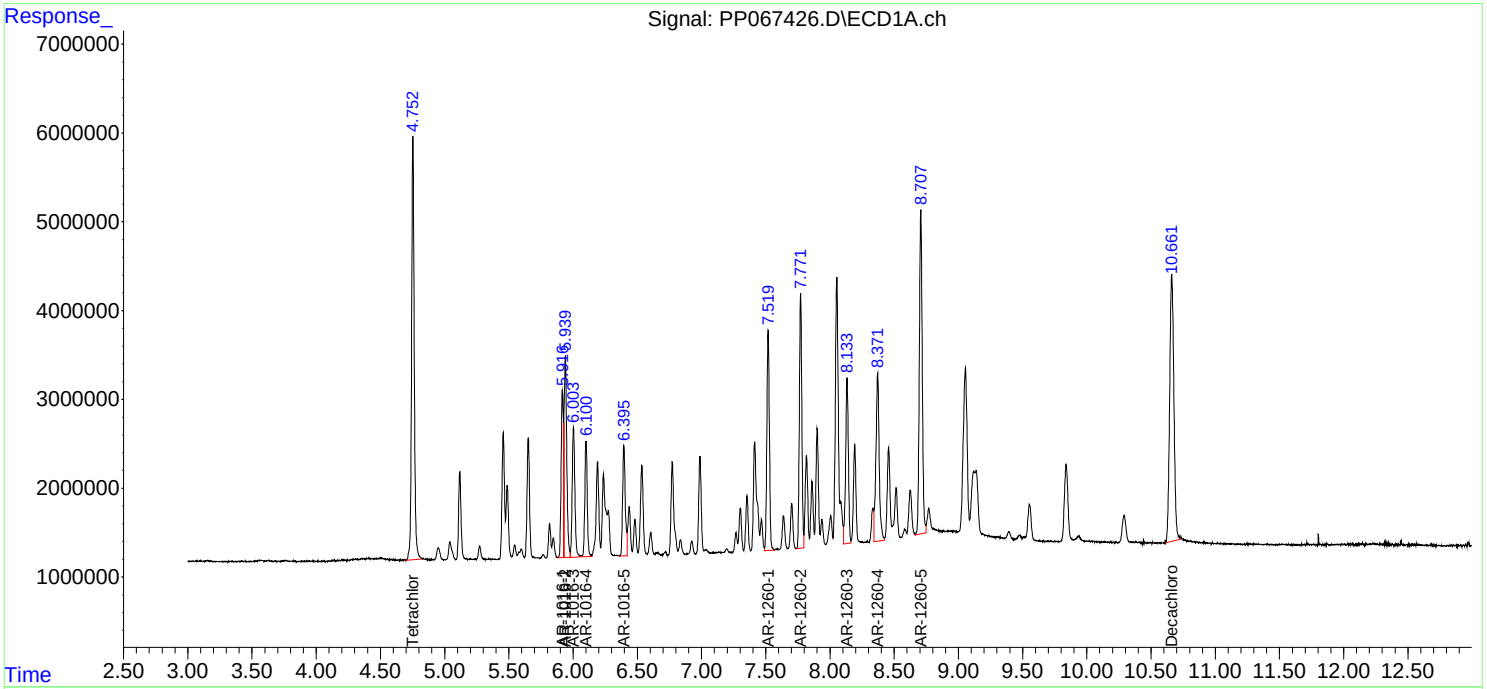
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

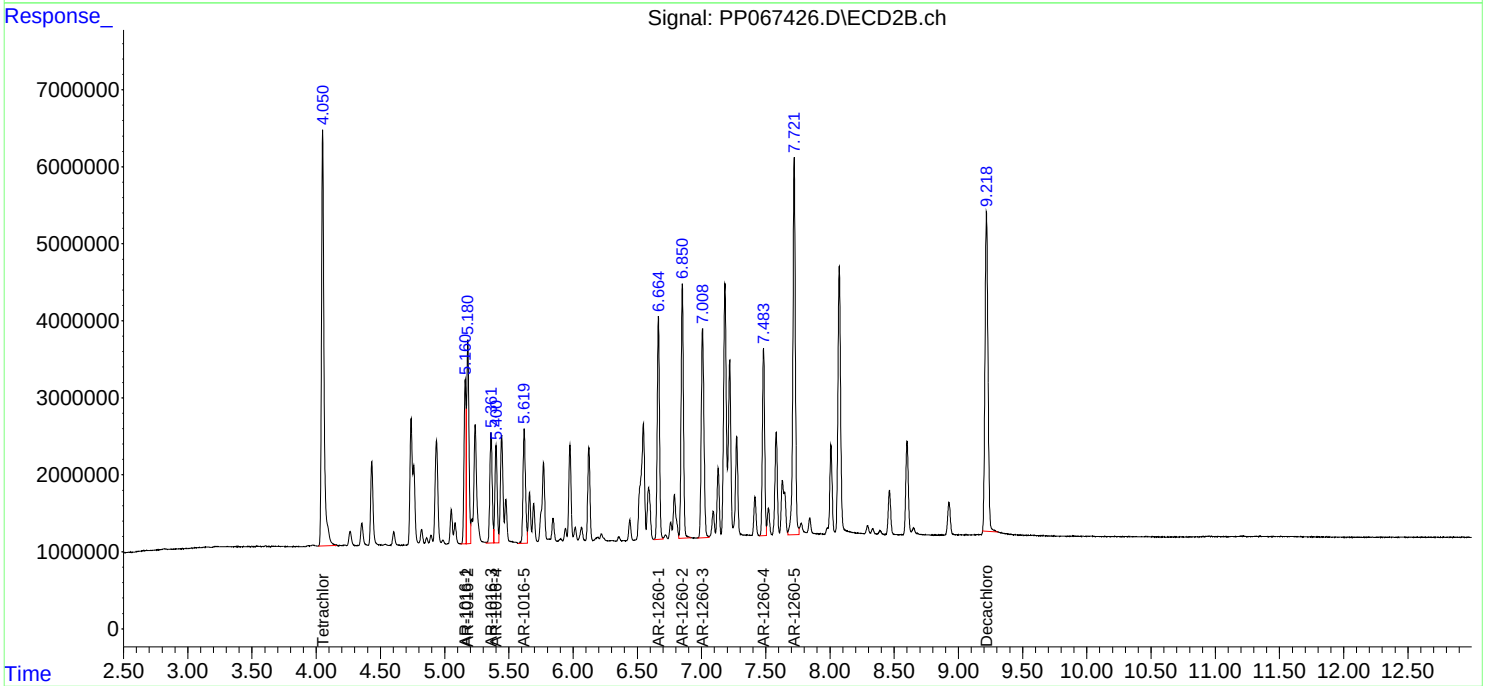
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 13:34
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:13:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP067441.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 20:39 **Initial Calibration Time(s):** 16:35 23:51

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)	5.92	5.92	5.82	6.02	0.01
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.00	5.90	6.10	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.39	6.40	6.30	6.50	0.01
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.77	7.67	7.87	0.00
Aroclor-1260-3	(3)	8.13	8.13	8.03	8.23	0.00
Aroclor-1260-4	(4)	8.37	8.37	8.27	8.47	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.75	4.65	4.85	0.00
Decachlorobiphenyl		10.66	10.66	10.56	10.76	0.00

Raw Data: **PP067441.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 20:39 **Initial Calibration Time(s):** 16:35 23:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.37	5.27	5.47	0.01
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.67	6.57	6.77	0.01
Aroclor-1260-2	(2)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-5	(5)	7.72	7.73	7.63	7.83	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.23	9.13	9.33	0.01

Raw Data: **PP067441.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067441.D **Time Analyzed:** 20:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.915	5.817	6.017	467.930	500.000	-6.4
Aroclor-1016-2	5.939	5.840	6.040	469.650	500.000	-6.1
Aroclor-1016-3	6.002	5.903	6.103	472.860	500.000	-5.4
Aroclor-1016-4	6.099	6.002	6.202	475.230	500.000	-5.0
Aroclor-1016-5	6.394	6.296	6.496	471.350	500.000	-5.7
Aroclor-1260-1	7.517	7.418	7.618	403.120	500.000	-19.4
Aroclor-1260-2	7.771	7.672	7.872	388.800	500.000	-22.2
Aroclor-1260-3	8.132	8.033	8.233	392.700	500.000	-21.5
Aroclor-1260-4	8.369	8.271	8.471	401.410	500.000	-19.7
Aroclor-1260-5	8.706	8.608	8.808	414.930	500.000	-17.0
Decachlorobiphenyl	10.662	10.561	10.761	45.470	50.000	-9.1
Tetrachloro-m-xylene	4.752	4.653	4.853	51.050	50.000	2.1

Raw Data: **PP067441.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067441.D **Time Analyzed:** 20:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.064	5.264	461.960	500.000	-7.6
Aroclor-1016-2	5.180	5.084	5.284	464.100	500.000	-7.2
Aroclor-1016-3	5.361	5.265	5.465	487.090	500.000	-2.6
Aroclor-1016-4	5.400	5.304	5.504	473.080	500.000	-5.4
Aroclor-1016-5	5.619	5.524	5.724	488.330	500.000	-2.3
Aroclor-1260-1	6.664	6.569	6.769	426.610	500.000	-14.7
Aroclor-1260-2	6.850	6.755	6.955	421.090	500.000	-15.8
Aroclor-1260-3	7.008	6.913	7.113	413.950	500.000	-17.2
Aroclor-1260-4	7.483	7.388	7.588	420.960	500.000	-15.8
Aroclor-1260-5	7.721	7.626	7.826	422.840	500.000	-15.4
Decachlorobiphenyl	9.217	9.126	9.326	46.090	50.000	-7.8
Tetrachloro-m-xylene	4.051	3.953	4.153	50.060	50.000	0.1

Sample Results: **PP067441.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 20:39
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 01:25:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.051	68611537	74791548	51.047	50.056
2)	SA Decachlor...	10.662	9.217	66012836	63519000	45.472	46.094m
	Target Compounds						
3)	L1 AR-1016-1	5.915	5.160	22310812	23827548	467.931	461.964
4)	L1 AR-1016-2	5.939	5.180	32519333	32999340	469.649	464.099
5)	L1 AR-1016-3	6.002	5.361	21122824	19385179	472.862	487.092
6)	L1 AR-1016-4	6.099	5.400	17077618	16335136	475.232	473.083
7)	L1 AR-1016-5	6.394	5.619	17369100	20954107	471.350	488.326
31)	L7 AR-1260-1	7.517	6.664	31759044	34898318	403.123	426.612
32)	L7 AR-1260-2	7.771	6.850	35437042	39558920	388.796	421.088
33)	L7 AR-1260-3	8.132	7.008	24807036	37501909	392.702	413.949
34)	L7 AR-1260-4	8.369	7.483	30308385	28069570	401.407	420.955
35)	L7 AR-1260-5	8.706	7.721	53723333	61558573	414.931	422.835

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 20:39
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

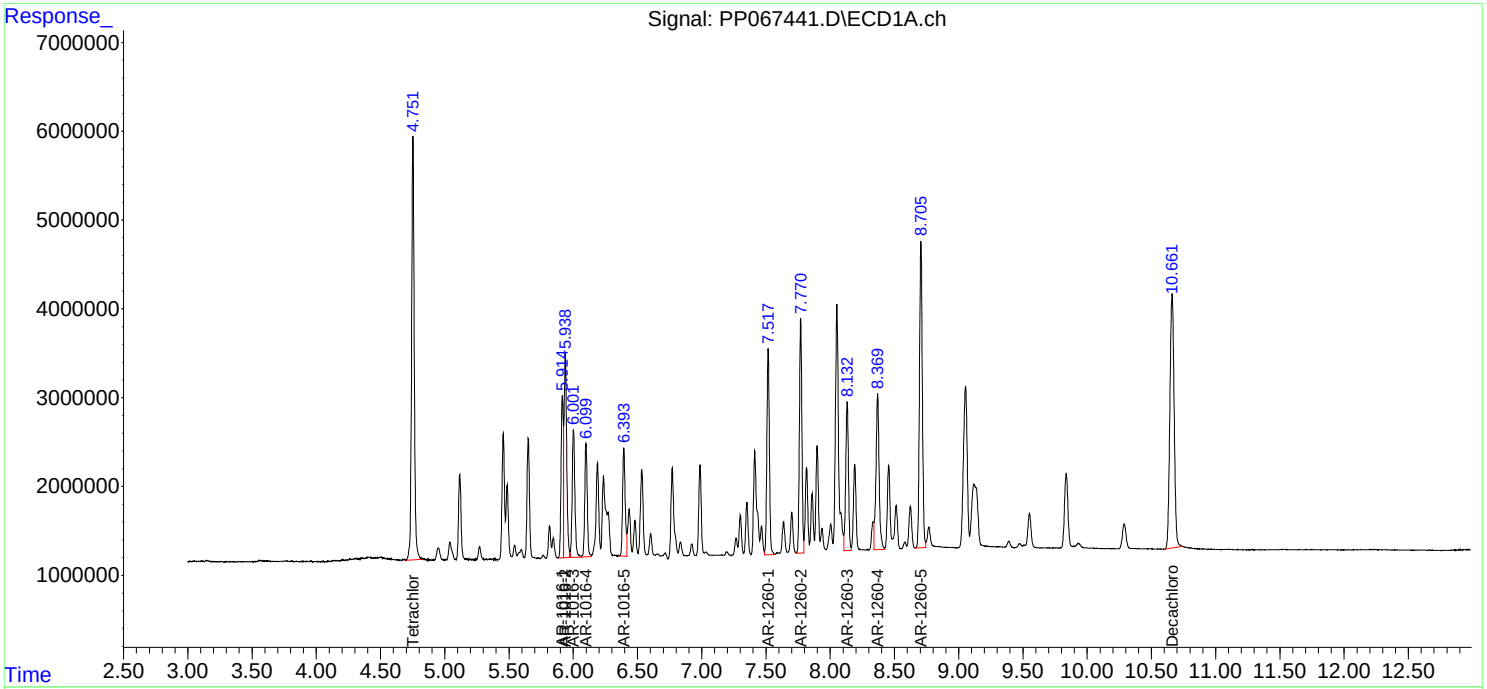
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

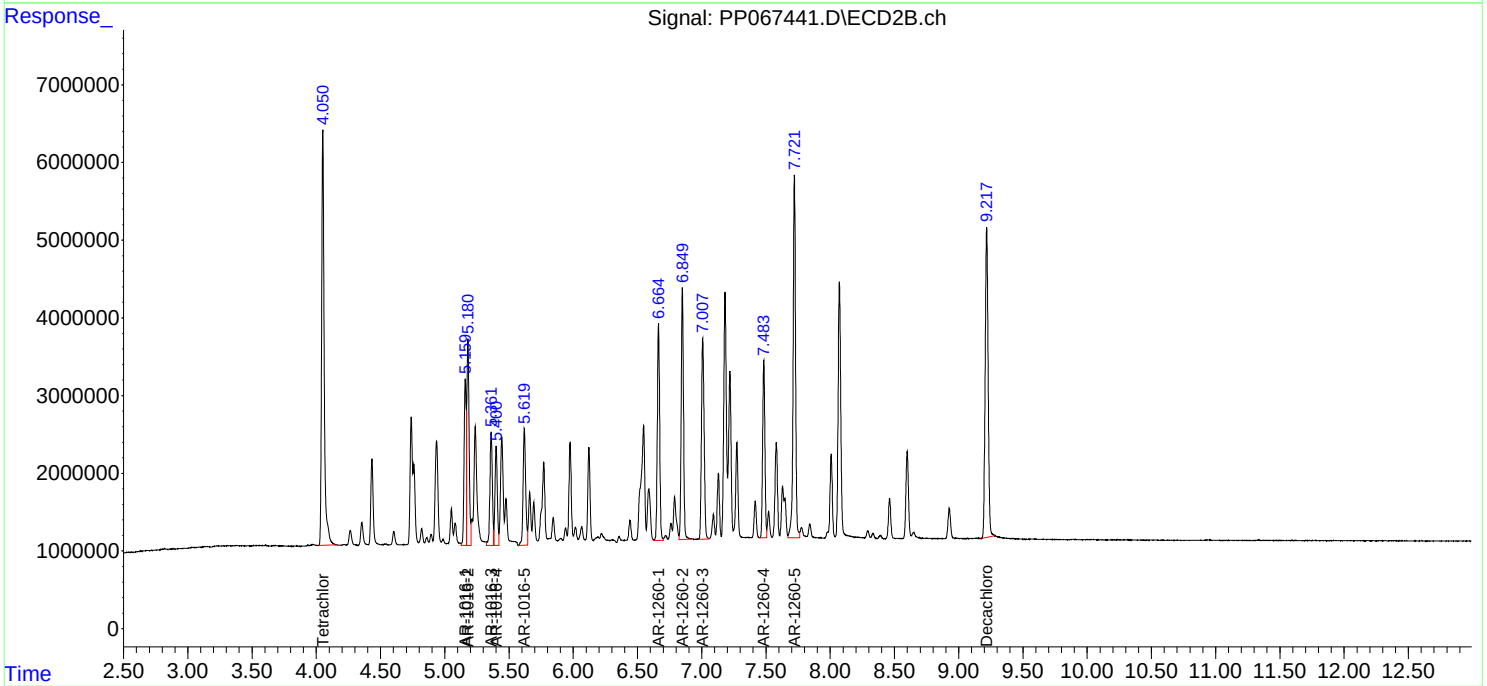
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 01:25:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP067452.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 02:06 **Initial Calibration Time(s):** 16:35 23:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.00	5.90	6.10	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.01
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.77	7.67	7.87	0.00
Aroclor-1260-3	(3)	8.13	8.13	8.03	8.23	0.00
Aroclor-1260-4	(4)	8.37	8.37	8.27	8.47	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.75	4.65	4.85	0.00
Decachlorobiphenyl		10.66	10.66	10.56	10.76	0.00

Raw Data: **PP067452.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 02:06 **Initial Calibration Time(s):** 16:35 23:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.37	5.27	5.47	0.01
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.67	6.57	6.77	0.01
Aroclor-1260-2	(2)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-5	(5)	7.72	7.73	7.63	7.83	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.23	9.13	9.33	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/03/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067452.D **Time Analyzed:** 02:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.916	5.817	6.017	471.040	500.000	-5.8
Aroclor-1016-2	5.938	5.840	6.040	477.400	500.000	-4.5
Aroclor-1016-3	6.002	5.903	6.103	481.710	500.000	-3.7
Aroclor-1016-4	6.100	6.002	6.202	473.420	500.000	-5.3
Aroclor-1016-5	6.395	6.296	6.496	479.060	500.000	-4.2
Aroclor-1260-1	7.518	7.418	7.618	439.290	500.000	-12.1
Aroclor-1260-2	7.771	7.672	7.872	419.560	500.000	-16.1
Aroclor-1260-3	8.132	8.033	8.233	424.750	500.000	-15.1
Aroclor-1260-4	8.370	8.271	8.471	433.350	500.000	-13.3
Aroclor-1260-5	8.707	8.608	8.808	438.610	500.000	-12.3
Decachlorobiphenyl	10.661	10.561	10.761	48.020	50.000	-4.0
Tetrachloro-m-xylene	4.752	4.653	4.853	51.400	50.000	2.8

Raw Data: **PP067452.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/03/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067452.D **Time Analyzed:** 02:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.064	5.264	469.300	500.000	-6.1
Aroclor-1016-2	5.180	5.084	5.284	523.630	500.000	4.7
Aroclor-1016-3	5.361	5.265	5.465	513.240	500.000	2.6
Aroclor-1016-4	5.400	5.304	5.504	494.490	500.000	-1.1
Aroclor-1016-5	5.619	5.524	5.724	514.710	500.000	2.9
Aroclor-1260-1	6.663	6.569	6.769	449.540	500.000	-10.1
Aroclor-1260-2	6.849	6.755	6.955	450.550	500.000	-9.9
Aroclor-1260-3	7.007	6.913	7.113	445.980	500.000	-10.8
Aroclor-1260-4	7.482	7.388	7.588	458.770	500.000	-8.2
Aroclor-1260-5	7.720	7.626	7.826	463.040	500.000	-7.4
Decachlorobiphenyl	9.217	9.126	9.326	49.610	50.000	-0.8
Tetrachloro-m-xylene	4.051	3.953	4.153	50.720	50.000	1.4

Sample Results: **PP067452.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 02:06
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 02:43:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.051	69089489	75788211	51.402	50.723
2)	SA Decachlor...	10.661	9.217	69704531	68369379	48.015	49.614m
	Target Compounds						
3)	L1 AR-1016-1	5.916	5.160	22459233	24205867	471.044	469.298
4)	L1 AR-1016-2	5.938	5.180	33055942	37232202	477.399	523.629
5)	L1 AR-1016-3	6.002	5.361	21517959	20425744	481.708	513.238
6)	L1 AR-1016-4	6.100	5.400	17012505	17074459	473.420	494.495
7)	L1 AR-1016-5	6.395	5.619	17653096	22086281	479.057	514.711
31)	L7 AR-1260-1	7.518	6.663	34608508	36774144	439.292	449.542
32)	L7 AR-1260-2	7.771	6.849	38240935	42326268	419.559	450.545
33)	L7 AR-1260-3	8.132	7.007	26831658	40403405	424.752	445.976
34)	L7 AR-1260-4	8.370	7.482	32720332	30590872	433.351	458.767
35)	L7 AR-1260-5	8.707	7.720	56789274	67412373	438.610	463.044

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 02:06
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

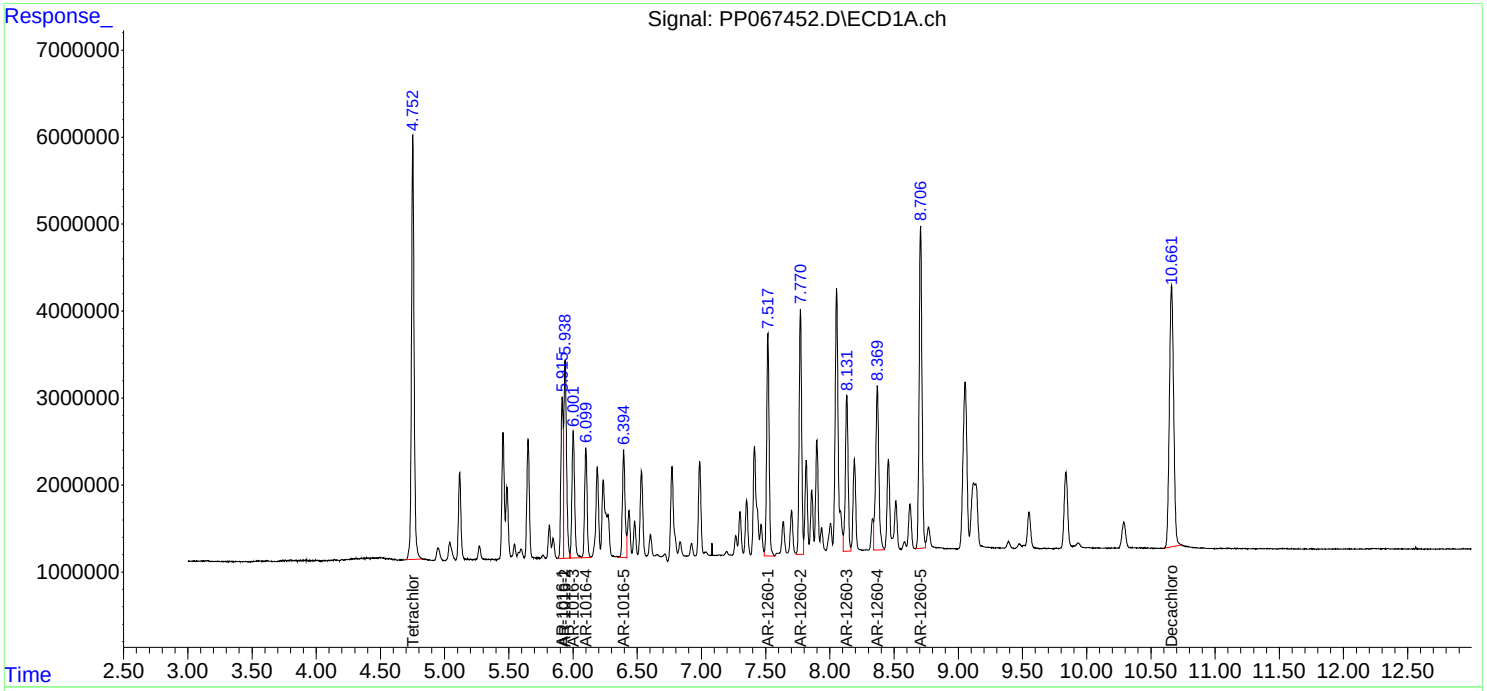
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

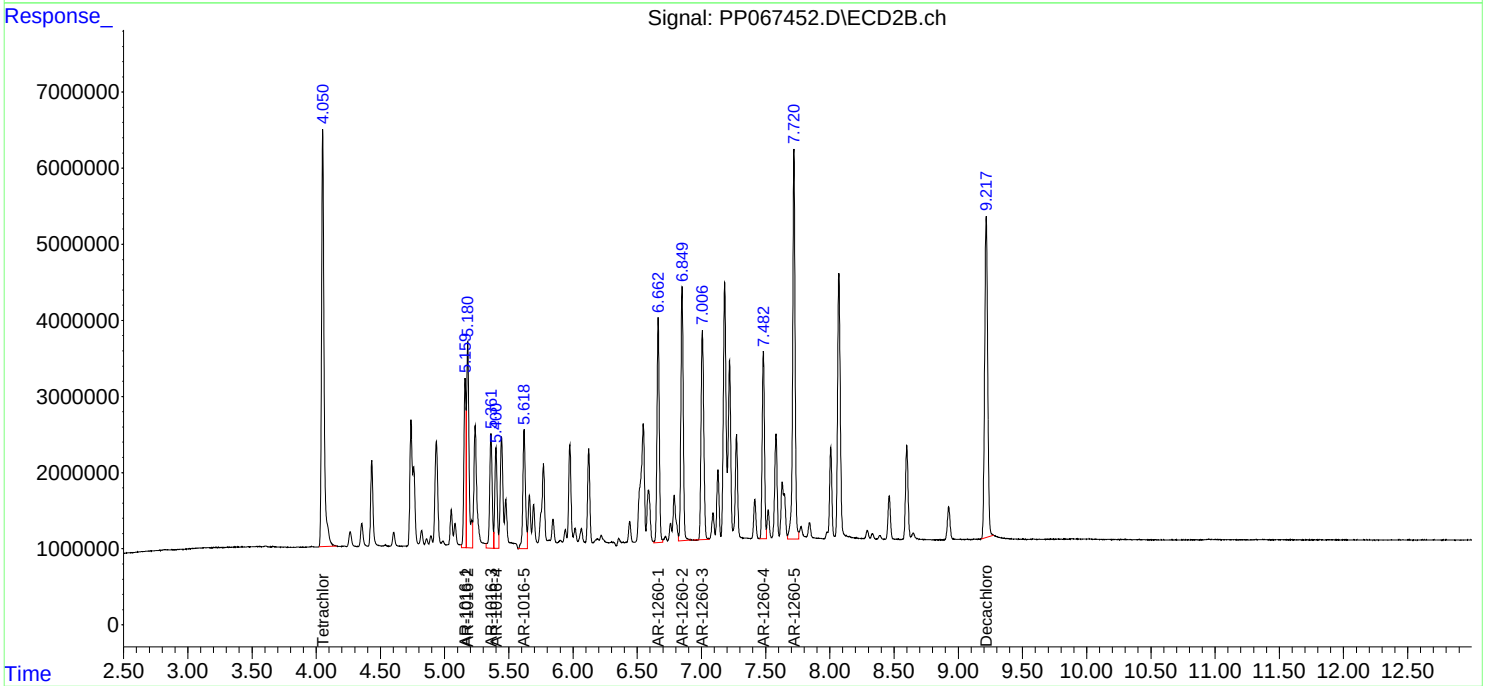
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 02:43:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/26/2024 09/26/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/26/2024	16:19	PP067251.D	10.66	4.75
AR1660ICC1000	AR1660ICC1000	09/26/2024	16:35	PP067252.D	10.66	4.75
AR1660ICC750	AR1660ICC750	09/26/2024	16:51	PP067253.D	10.66	4.75
AR1660ICC500	AR1660ICC500	09/26/2024	17:08	PP067254.D	10.66	4.75
AR1660ICC250	AR1660ICC250	09/26/2024	17:24	PP067255.D	10.66	4.75
AR1660ICC050	AR1660ICC050	09/26/2024	17:40	PP067256.D	10.66	4.75
AR1221ICC500	AR1221ICC500	09/26/2024	17:56	PP067257.D	10.66	4.75
AR1232ICC500	AR1232ICC500	09/26/2024	18:12	PP067258.D	10.66	4.75
AR1242ICC1000	AR1242ICC1000	09/26/2024	18:28	PP067259.D	10.67	4.75
AR1242ICC750	AR1242ICC750	09/26/2024	18:45	PP067260.D	10.66	4.75
AR1242ICC500	AR1242ICC500	09/26/2024	19:01	PP067261.D	10.66	4.75
AR1242ICC250	AR1242ICC250	09/26/2024	19:17	PP067262.D	10.66	4.75
AR1242ICC050	AR1242ICC050	09/26/2024	19:33	PP067263.D	10.66	4.75
AR1248ICC1000	AR1248ICC1000	09/26/2024	19:49	PP067264.D	10.66	4.75
AR1248ICC750	AR1248ICC750	09/26/2024	20:05	PP067265.D	10.66	4.75
AR1248ICC500	AR1248ICC500	09/26/2024	20:21	PP067266.D	10.66	4.75
AR1248ICC250	AR1248ICC250	09/26/2024	20:38	PP067267.D	10.66	4.75
AR1248ICC050	AR1248ICC050	09/26/2024	20:54	PP067268.D	10.67	4.75
AR1254ICC1000	AR1254ICC1000	09/26/2024	21:10	PP067269.D	10.66	4.75
AR1254ICC750	AR1254ICC750	09/26/2024	21:26	PP067270.D	10.66	4.75
AR1254ICC500	AR1254ICC500	09/26/2024	21:42	PP067271.D	10.66	4.75
AR1254ICC250	AR1254ICC250	09/26/2024	21:58	PP067272.D	10.66	4.75
AR1254ICC050	AR1254ICC050	09/26/2024	22:14	PP067273.D	10.66	4.75
AR1262ICC500	AR1262ICC500	09/26/2024	22:30	PP067274.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	09/26/2024	22:47	PP067275.D	10.66	4.75
AR1268ICC750	AR1268ICC750	09/26/2024	23:03	PP067276.D	10.66	4.75
AR1268ICC500	AR1268ICC500	09/26/2024	23:19	PP067277.D	10.66	4.75
AR1268ICC250	AR1268ICC250	09/26/2024	23:35	PP067278.D	10.66	4.75
AR1268ICC050	AR1268ICC050	09/26/2024	23:51	PP067279.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/02/2024	13:34	PP067426.D	10.66	4.75
I.BLK	I.BLK	10/02/2024	14:38	PP067430.D	10.66	4.75
PB163832BL	PB163832BL	10/02/2024	14:54	PP067431.D	10.66	4.75
PB163832BS	PB163832BS	10/02/2024	15:11	PP067432.D	10.66	4.75
OR-03-100124MS	P4255-01MS	10/02/2024	16:15	PP067436.D	10.66	4.75
OR-03-100124MSD	P4255-01MSD	10/02/2024	16:31	PP067437.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/02/2024	20:39	PP067441.D	10.66	4.75
I.BLK	I.BLK	10/02/2024	22:59	PP067445.D	10.66	4.75
Chamberlain Ave	P4258-03	10/02/2024	23:15	PP067446.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/03/2024	02:06	PP067452.D	10.66	4.75
I.BLK	I.BLK	10/03/2024	03:10	PP067456.D	10.66	4.75

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

Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/26/2024 09/26/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/26/2024	16:19	PP067251.D	9.23	4.05
AR1660ICC1000	AR1660ICC1000	09/26/2024	16:35	PP067252.D	9.23	4.05
AR1660ICC750	AR1660ICC750	09/26/2024	16:51	PP067253.D	9.23	4.05
AR1660ICC500	AR1660ICC500	09/26/2024	17:08	PP067254.D	9.23	4.05
AR1660ICC250	AR1660ICC250	09/26/2024	17:24	PP067255.D	9.22	4.05
AR1660ICC050	AR1660ICC050	09/26/2024	17:40	PP067256.D	9.23	4.05
AR1221ICC500	AR1221ICC500	09/26/2024	17:56	PP067257.D	9.23	4.05
AR1232ICC500	AR1232ICC500	09/26/2024	18:12	PP067258.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	09/26/2024	18:28	PP067259.D	9.23	4.05
AR1242ICC750	AR1242ICC750	09/26/2024	18:45	PP067260.D	9.23	4.05
AR1242ICC500	AR1242ICC500	09/26/2024	19:01	PP067261.D	9.23	4.05
AR1242ICC250	AR1242ICC250	09/26/2024	19:17	PP067262.D	9.23	4.05
AR1242ICC050	AR1242ICC050	09/26/2024	19:33	PP067263.D	9.23	4.05
AR1248ICC1000	AR1248ICC1000	09/26/2024	19:49	PP067264.D	9.22	4.05
AR1248ICC750	AR1248ICC750	09/26/2024	20:05	PP067265.D	9.23	4.05
AR1248ICC500	AR1248ICC500	09/26/2024	20:21	PP067266.D	9.22	4.05
AR1248ICC250	AR1248ICC250	09/26/2024	20:38	PP067267.D	9.23	4.05
AR1248ICC050	AR1248ICC050	09/26/2024	20:54	PP067268.D	9.23	4.05
AR1254ICC1000	AR1254ICC1000	09/26/2024	21:10	PP067269.D	9.23	4.05
AR1254ICC750	AR1254ICC750	09/26/2024	21:26	PP067270.D	9.23	4.05
AR1254ICC500	AR1254ICC500	09/26/2024	21:42	PP067271.D	9.23	4.05
AR1254ICC250	AR1254ICC250	09/26/2024	21:58	PP067272.D	9.23	4.05
AR1254ICC050	AR1254ICC050	09/26/2024	22:14	PP067273.D	9.23	4.05
AR1262ICC500	AR1262ICC500	09/26/2024	22:30	PP067274.D	9.23	4.05
AR1268ICC1000	AR1268ICC1000	09/26/2024	22:47	PP067275.D	9.23	4.05
AR1268ICC750	AR1268ICC750	09/26/2024	23:03	PP067276.D	9.23	4.05
AR1268ICC500	AR1268ICC500	09/26/2024	23:19	PP067277.D	9.23	4.05
AR1268ICC250	AR1268ICC250	09/26/2024	23:35	PP067278.D	9.23	4.05
AR1268ICC050	AR1268ICC050	09/26/2024	23:51	PP067279.D	9.23	4.05
AR1660CCC500	AR1660CCC500	10/02/2024	13:34	PP067426.D	9.22	4.05
I.BLK	I.BLK	10/02/2024	14:38	PP067430.D	9.22	4.05
PB163832BL	PB163832BL	10/02/2024	14:54	PP067431.D	9.22	4.05
PB163832BS	PB163832BS	10/02/2024	15:11	PP067432.D	9.22	4.05
OR-03-100124MS	P4255-01MS	10/02/2024	16:15	PP067436.D	9.22	4.05
OR-03-100124MSD	P4255-01MSD	10/02/2024	16:31	PP067437.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/02/2024	20:39	PP067441.D	9.22	4.05
I.BLK	I.BLK	10/02/2024	22:59	PP067445.D	9.22	4.05
Chamberlain Ave	P4258-03	10/02/2024	23:15	PP067446.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/03/2024	02:06	PP067452.D	9.22	4.05
I.BLK	I.BLK	10/03/2024	03:10	PP067456.D	9.22	4.05

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB163832BS

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163832BS Date(s) Analyzed: 10/02/2024 10/02/2024

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

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

Data file PP067432.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.916	5.866	5.966	120		
	2	5.938	5.888	5.988	120		
	3	6.002	5.952	6.052	122		
COLUMN 1	4	6.1	6.05	6.15	124		
	5	6.395	6.345	6.445	122	122	
	1	5.161	5.111	5.211	115		
	2	5.181	5.131	5.231	114		
	3	5.362	5.312	5.412	116		
	4	5.401	5.351	5.451	117		
COLUMN 2	5	5.62	5.57	5.67	116	116	5.04
Aroclor-1260	1	7.518	7.468	7.568	113		
	2	7.771	7.721	7.821	113		
	3	8.133	8.083	8.183	107		
COLUMN 1	4	8.37	8.32	8.42	109		
	5	8.707	8.657	8.757	106	110	
	1	6.664	6.614	6.714	110		
	2	6.851	6.801	6.901	107		
	3	7.009	6.959	7.059	109		
	4	7.484	7.434	7.534	108		
COLUMN 2	5	7.722	7.672	7.772	106	108	1.83

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OR-03-100124MS

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: P4255-01MS Date(s) Analyzed: 10/02/2024 10/02/2024

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

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

Data file PP067436.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.917	5.867	5.967	143		
	2	5.94	5.89	5.99	139		
	3	6.004	5.954	6.054	149		
COLUMN 1	4	6.101	6.051	6.151	150		
	5	6.395	6.345	6.445	141	144	
	1	5.161	5.111	5.211	137		
	2	5.181	5.131	5.231	126		
	3	5.361	5.311	5.411	133		
	4	5.401	5.351	5.451	131		
COLUMN 2	5	5.619	5.569	5.669	113	128	11.76
Aroclor-1260	1	7.519	7.469	7.569	114		
	2	7.772	7.722	7.822	142		
	3	8.134	8.084	8.184	104		
COLUMN 1	4	8.372	8.322	8.422	111		
	5	8.708	8.658	8.758	110	116	
	1	6.664	6.614	6.714	105		
	2	6.85	6.8	6.9	103		
	3	7.008	6.958	7.058	102		
	4	7.483	7.433	7.533	102		
COLUMN 2	5	7.721	7.671	7.771	103	103	11.87

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OR-03-100124MSD

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: P4255-01MSD Date(s) Analyzed: 10/02/2024 10/02/2024

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

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

Data file PP067437.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.915	5.865	5.965	139		
	2	5.938	5.888	5.988	141		
	3	6.002	5.952	6.052	146		
COLUMN 1	4	6.099	6.049	6.149	152		
	5	6.394	6.344	6.444	137	143	
	1	5.16	5.11	5.21	135		
	2	5.18	5.13	5.23	125		
	3	5.361	5.311	5.411	133		
	4	5.4	5.35	5.45	130		
COLUMN 2	5	5.618	5.568	5.668	120	129	10.29
Aroclor-1260	1	7.518	7.468	7.568	108		
	2	7.77	7.72	7.82	104		
	3	8.132	8.082	8.182	99.3		
COLUMN 1	4	8.37	8.32	8.42	104		
	5	8.706	8.656	8.756	108	104	
	1	6.664	6.614	6.714	104		
	2	6.85	6.8	6.9	102		
	3	7.008	6.958	7.058	103		
	4	7.483	7.433	7.533	99.1		
COLUMN 2	5	7.721	7.671	7.771	101	102	1.94

QC SAMPLE DATA

Raw Data: **PP067431.D**

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

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB163832BL		SDG No.:	P4258	
Lab Sample ID:	PB163832BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067431.D	1	10/02/24 08:30	10/02/24 14:54	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.1		32 - 144	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	84%	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: **PP067431.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 14:54
Operator : YP\AJ
Sample : PB163832BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB163832BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:14:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.051	21682242	23816107	16.131	15.940
2)	SA Decachlor...	10.657	9.218	24352858	22410498	16.775m	16.263
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 14:54
Operator : YP\AJ
Sample : PB163832BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

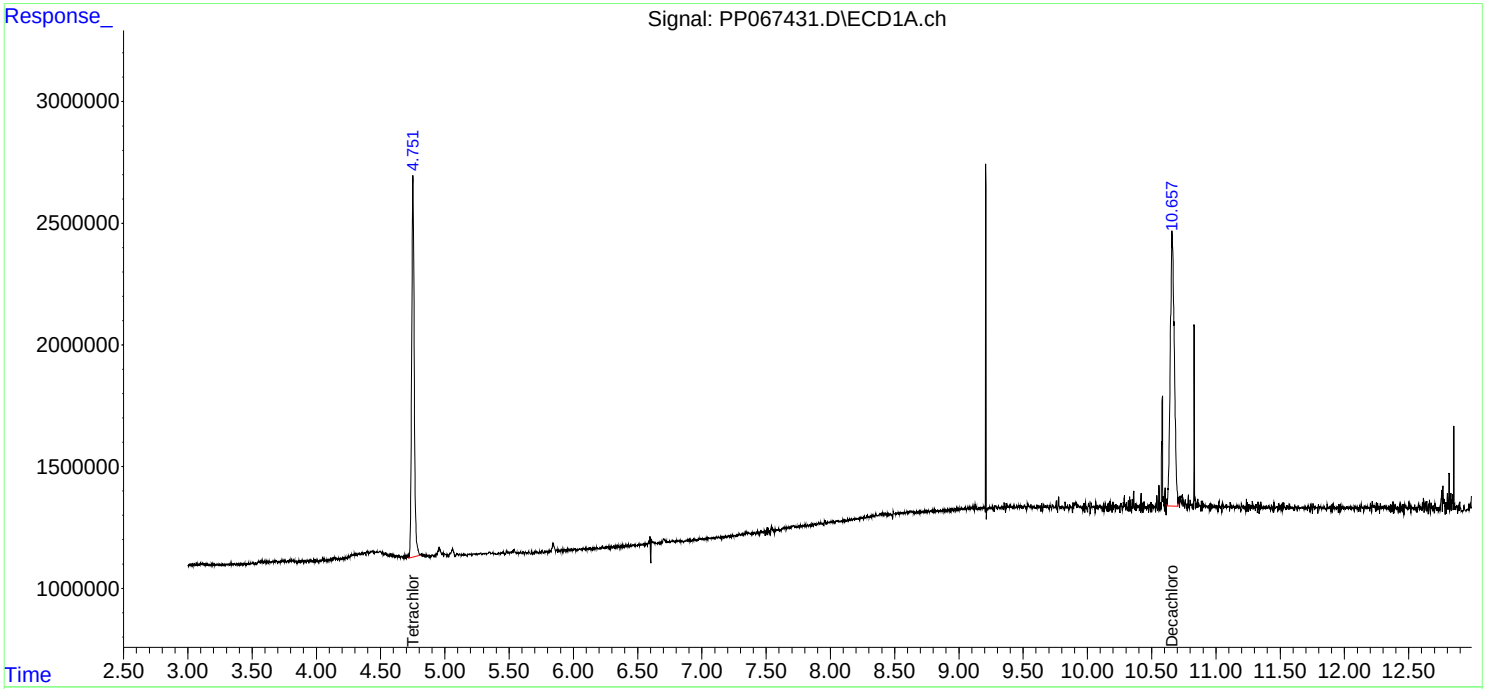
Instrument :
ECD_P
ClientSampleId :
PB163832BL

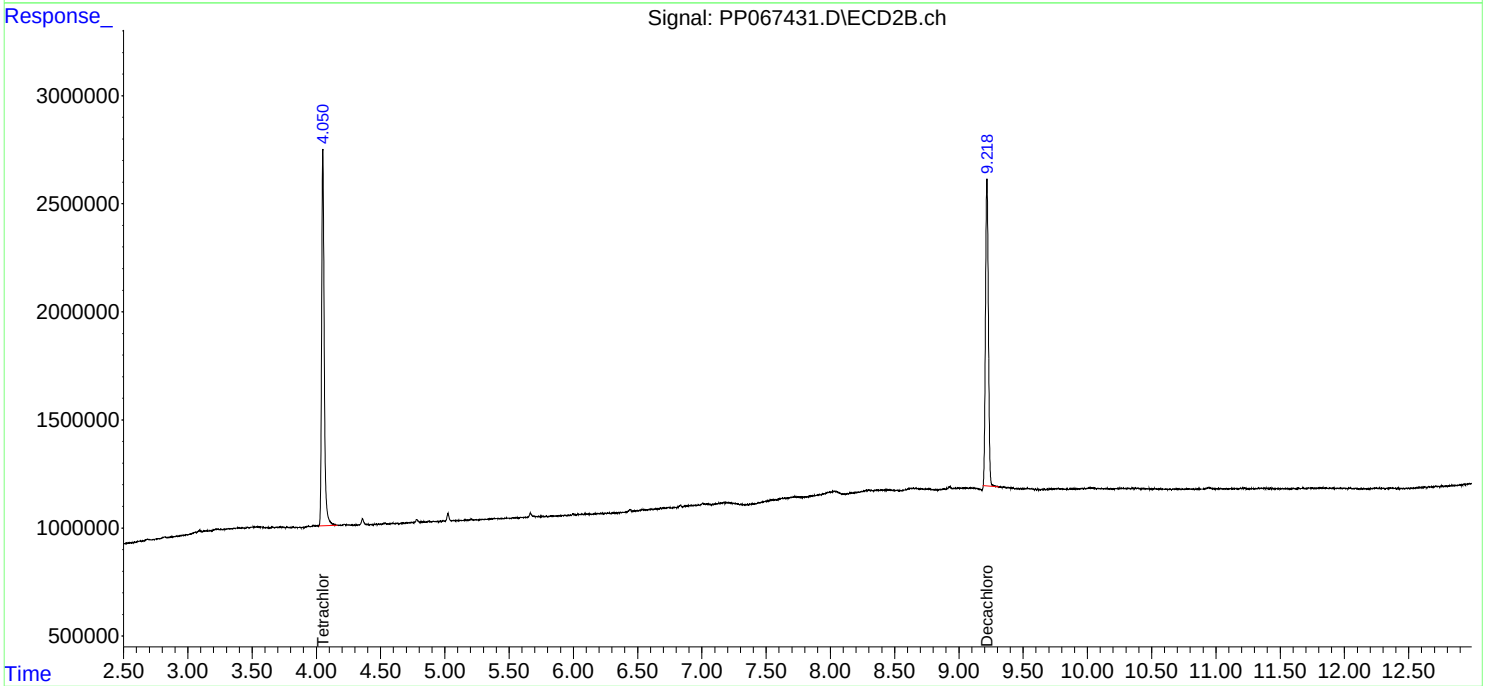
Manual Integrations APPROVED

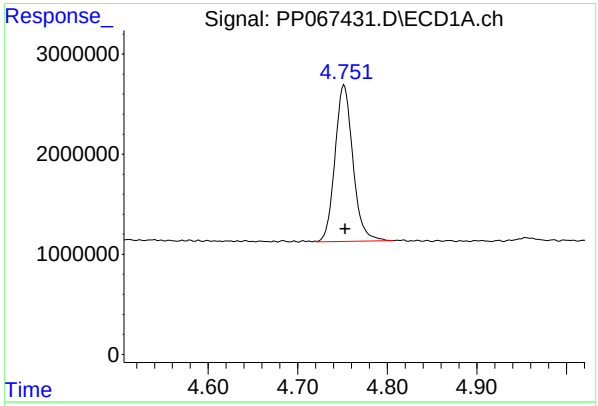
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:14:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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







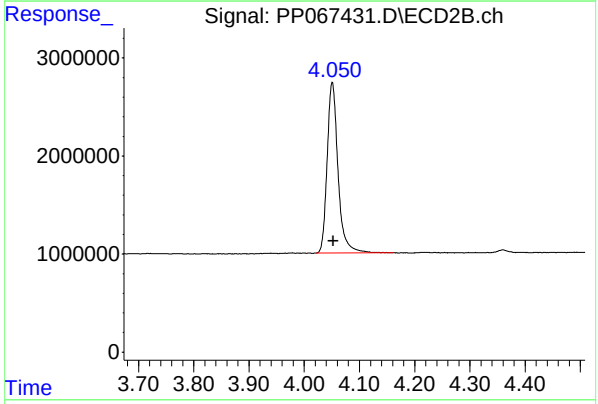
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: -0.001 min
Response: 21682242
Conc: 16.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB163832BL

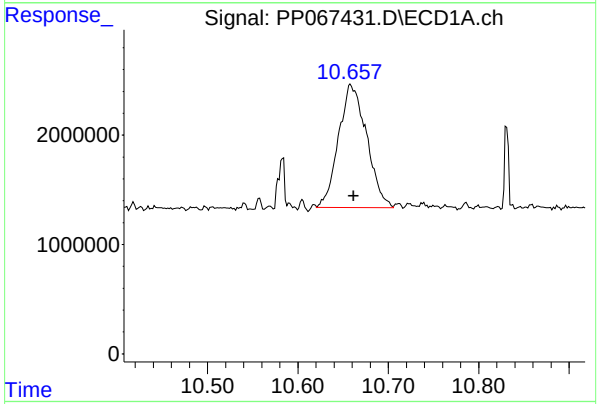
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024



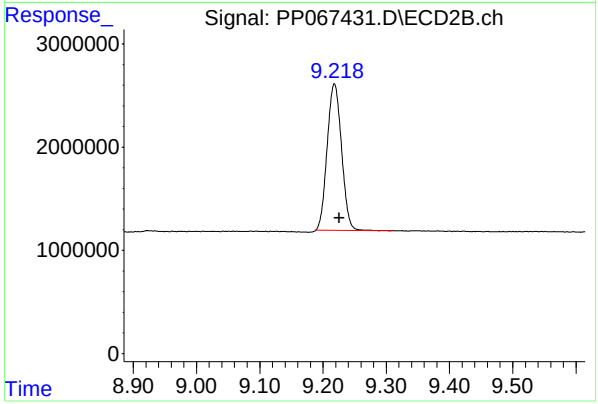
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: -0.002 min
Response: 23816107
Conc: 15.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.657 min
Delta R.T.: -0.004 min
Response: 24352858
Conc: 16.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: -0.008 min
Response: 22410498
Conc: 16.26 ng/ml

Raw Data: **PP067251.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/26/24
Project:	Perth Amboy	Date Received:	09/26/24
Client Sample ID:	PIBLK-PP067251.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067251.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067251.D	1		09/26/24	PP092624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		60 - 140	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: **PP067251.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 16:19
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: Sep 27 04:48:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 04:36:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.052	25286111	27796434	18.813	18.604
2)	SA Decachlor...	10.661	9.225	30859796	29232958	21.258	21.214
	Target Compounds						

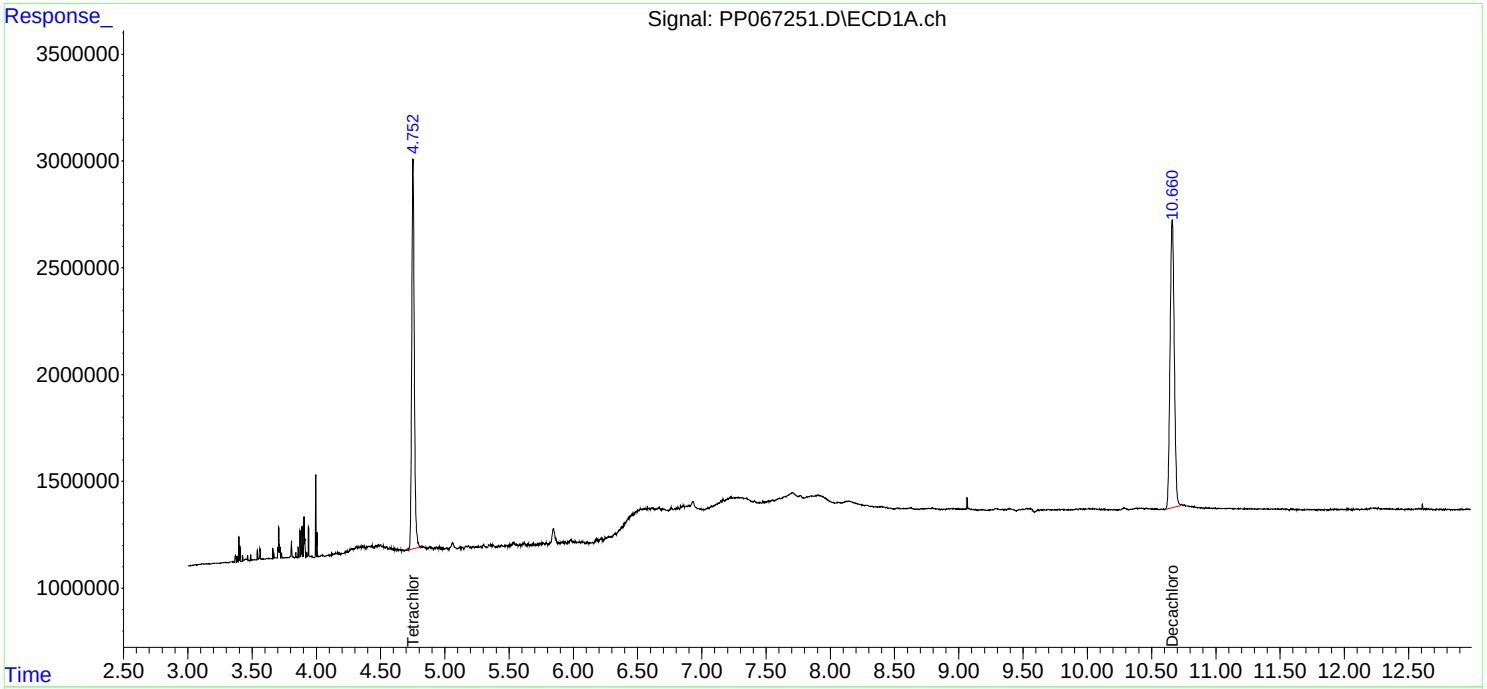
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

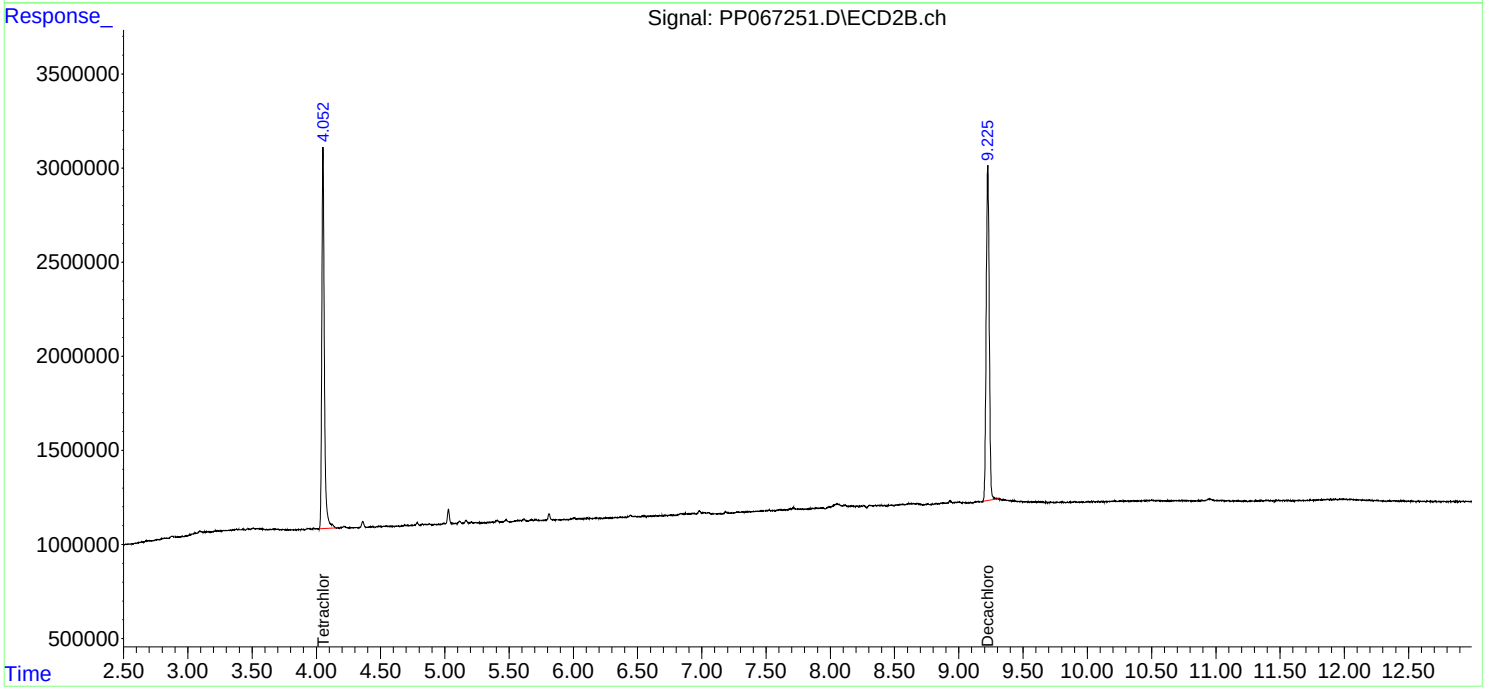
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092624\
Data File : PP067251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Sep 2024 16:19
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

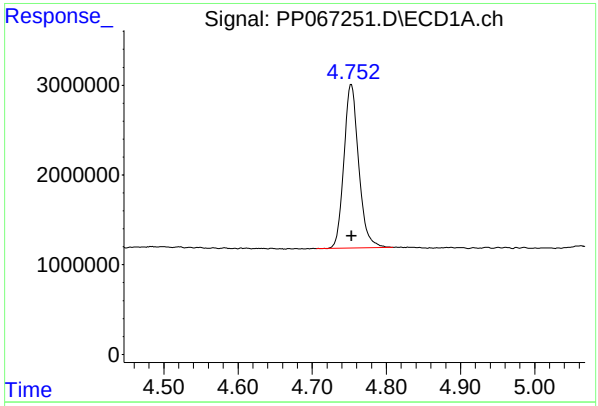
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 27 04:48:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 04:36:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



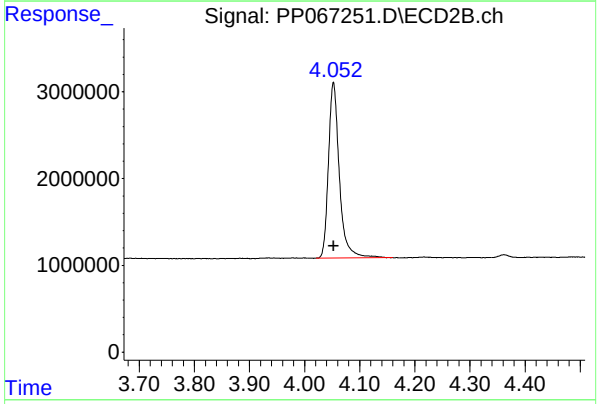




#1 Tetrachloro-m-xylene

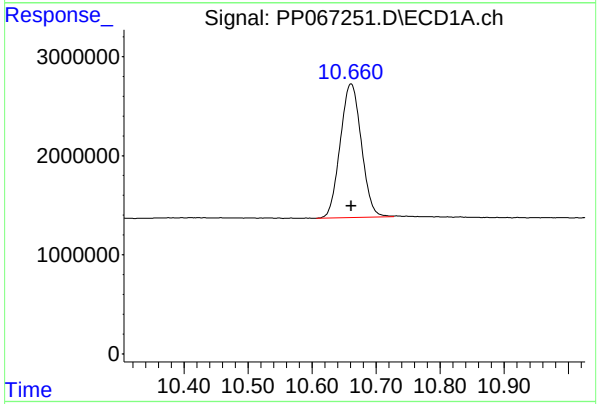
R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 25286111
Conc: 18.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



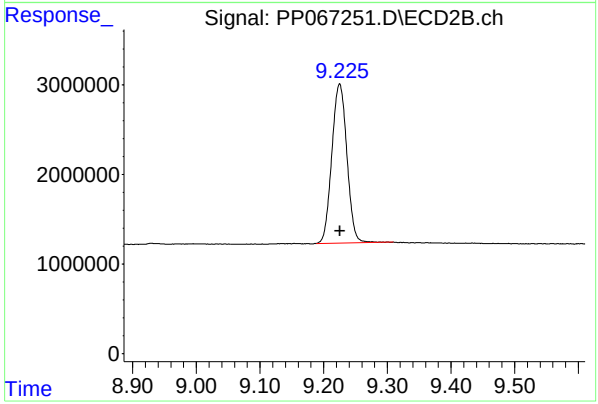
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 27796434
Conc: 18.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.661 min
Delta R.T.: 0.000 min
Response: 30859796
Conc: 21.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.225 min
Delta R.T.: -0.001 min
Response: 29232958
Conc: 21.21 ng/ml

Raw Data: **PP067430.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/02/24
Project:	Perth Amboy	Date Received:	10/02/24
Client Sample ID:	PIBLK-PP067430.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067430.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067430.D	1		10/02/24	PP100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.0		60 - 140	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		60 - 140	82%	SPK: 20

Comments:

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

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

Sample Results: **PP067430.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 14:38
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 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:14:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.052	21733285	23897354	16.169	15.994
2)	SA Decachlor...	10.662	9.218	23732928	22951700	16.348	16.656m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 14:38
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

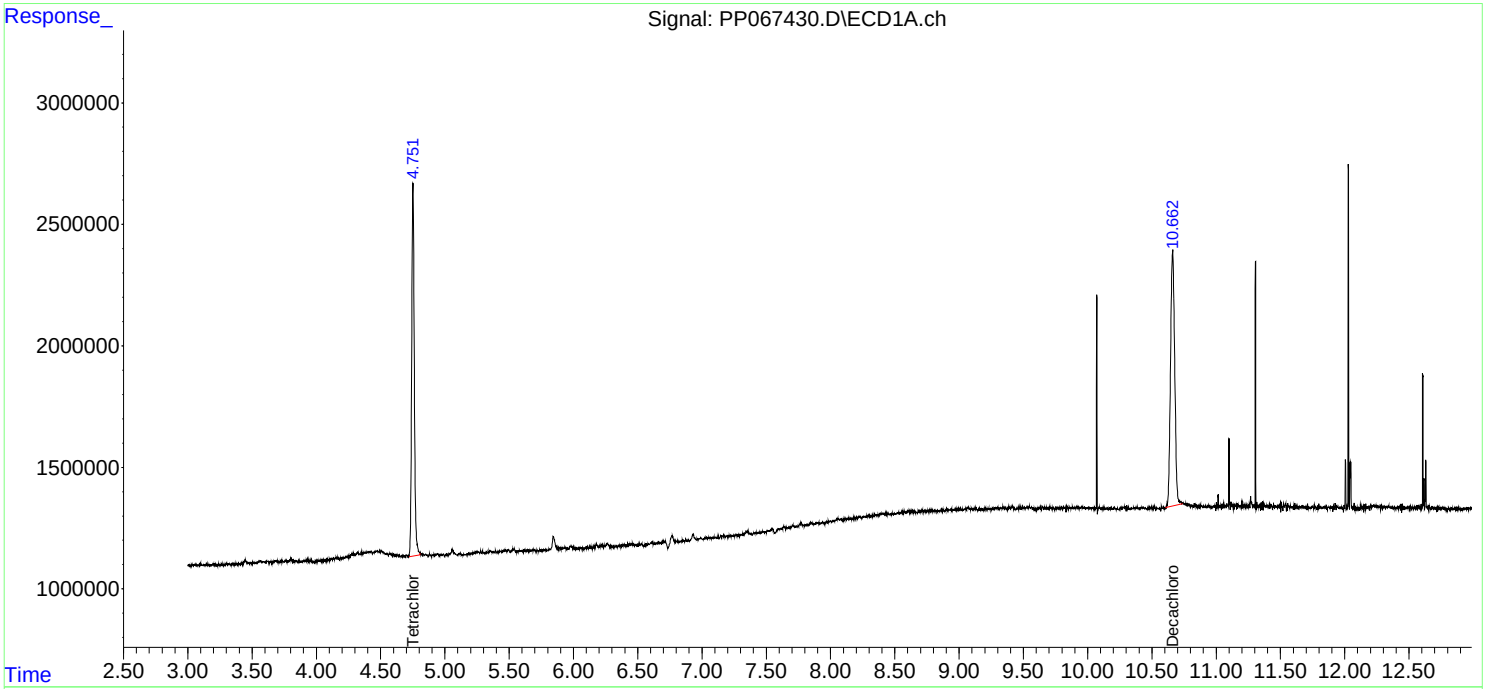
Instrument :
ECD_P
ClientSampleId :
I.BLK

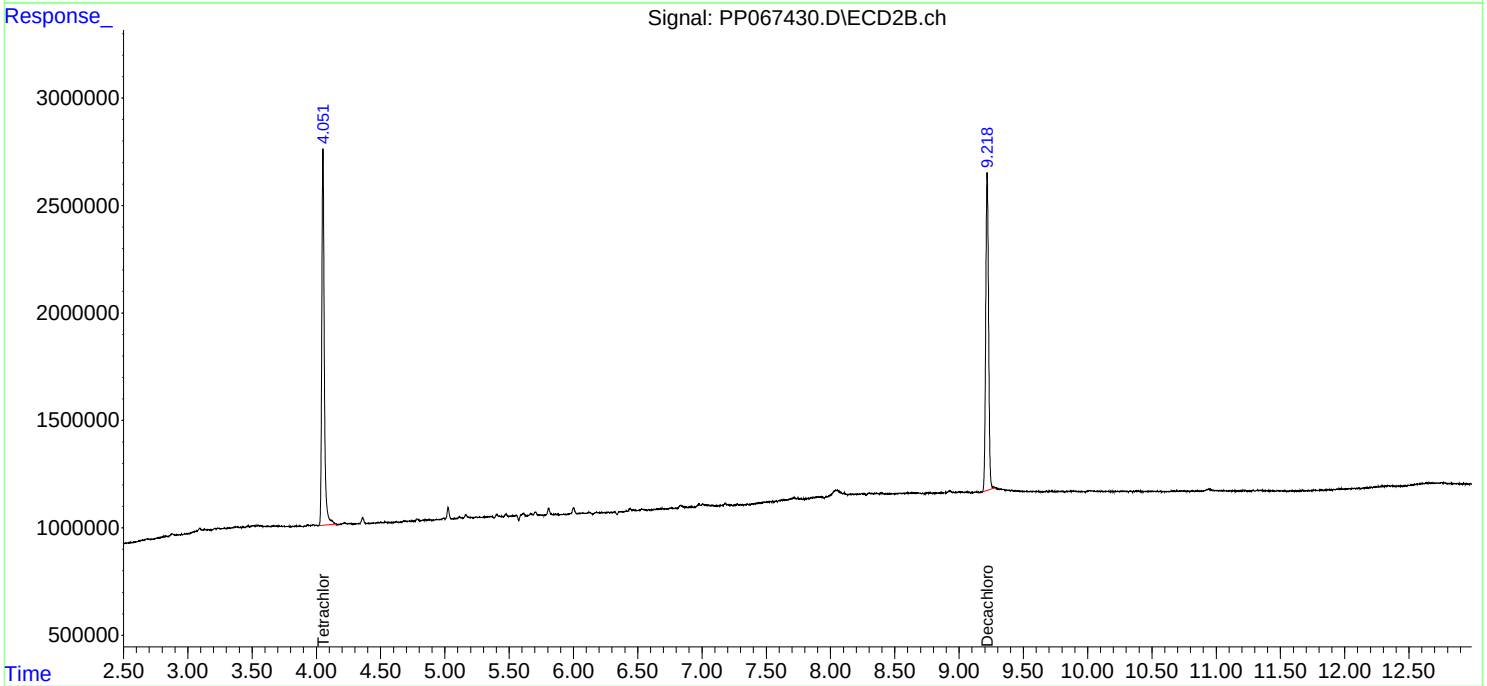
Manual Integrations APPROVED

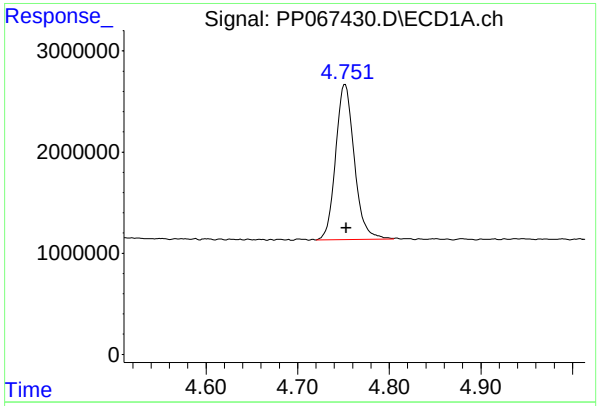
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:14:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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







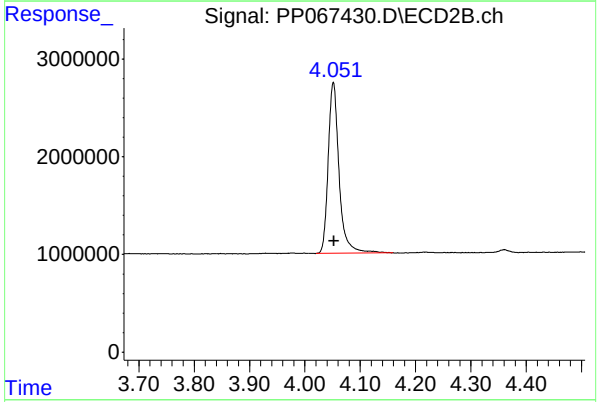
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: -0.001 min
Response: 21733285
Conc: 16.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

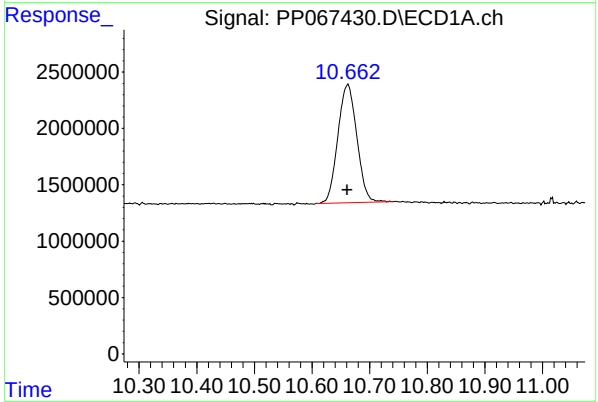
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024



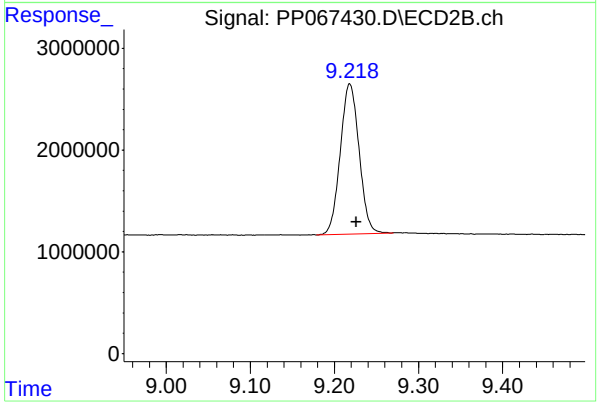
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: -0.001 min
Response: 23897354
Conc: 15.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.662 min
Delta R.T.: 0.000 min
Response: 23732928
Conc: 16.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: -0.008 min
Response: 22951700
Conc: 16.66 ng/ml m

Raw Data: **PP067445.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/02/24
Project:	Perth Amboy	Date Received:	10/02/24
Client Sample ID:	PIBLK-PP067445.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067445.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067445.D	1		10/02/24	PP100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.4		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 140	81%	SPK: 20

Comments:

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

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

Sample Results: **PP067445.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 22:59
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 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:20:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.752	4.050	22141039	24503076	16.473	16.399
2) SA	Decachlor...	10.660	9.216	23439139	22699204	16.146	16.472m
	Target Compounds						

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

Sample Results: **PP067445.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 22:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

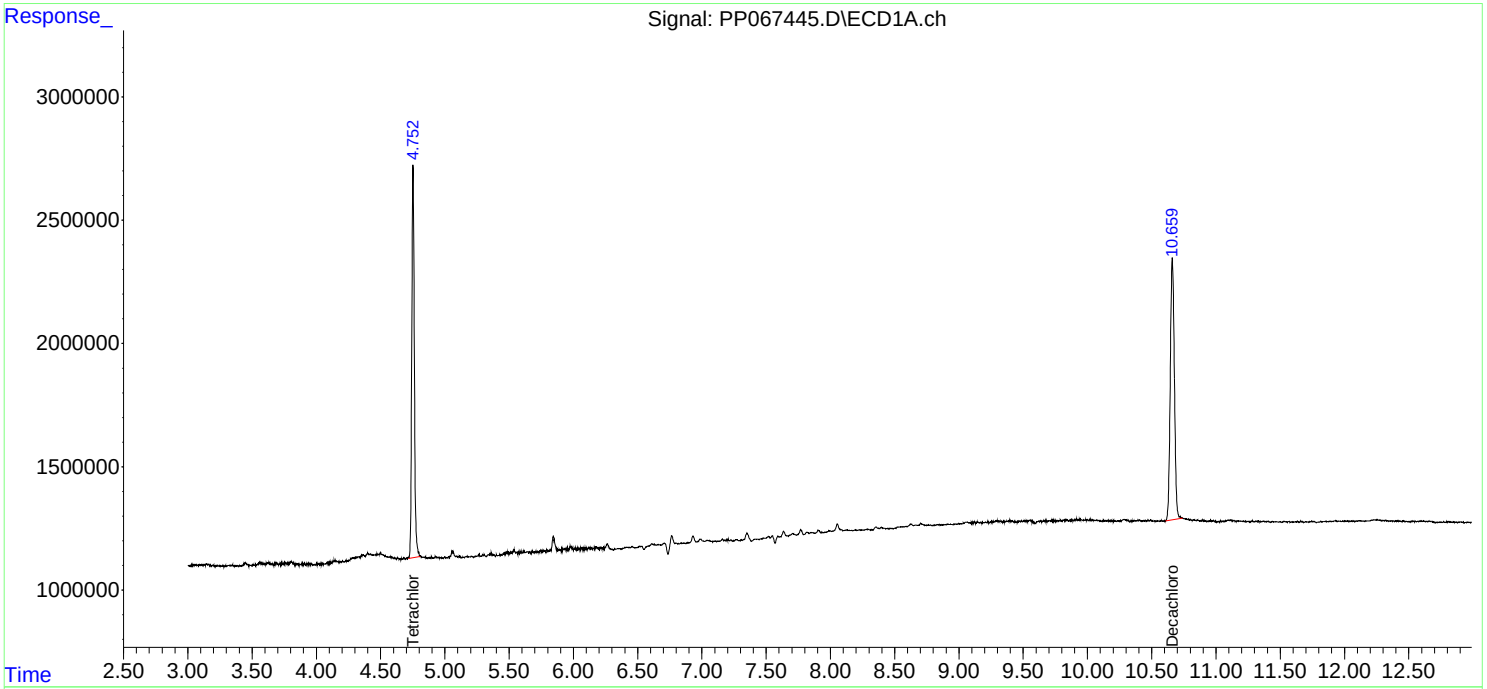
Instrument :
ECD_P
ClientSampleId :
I.BLK

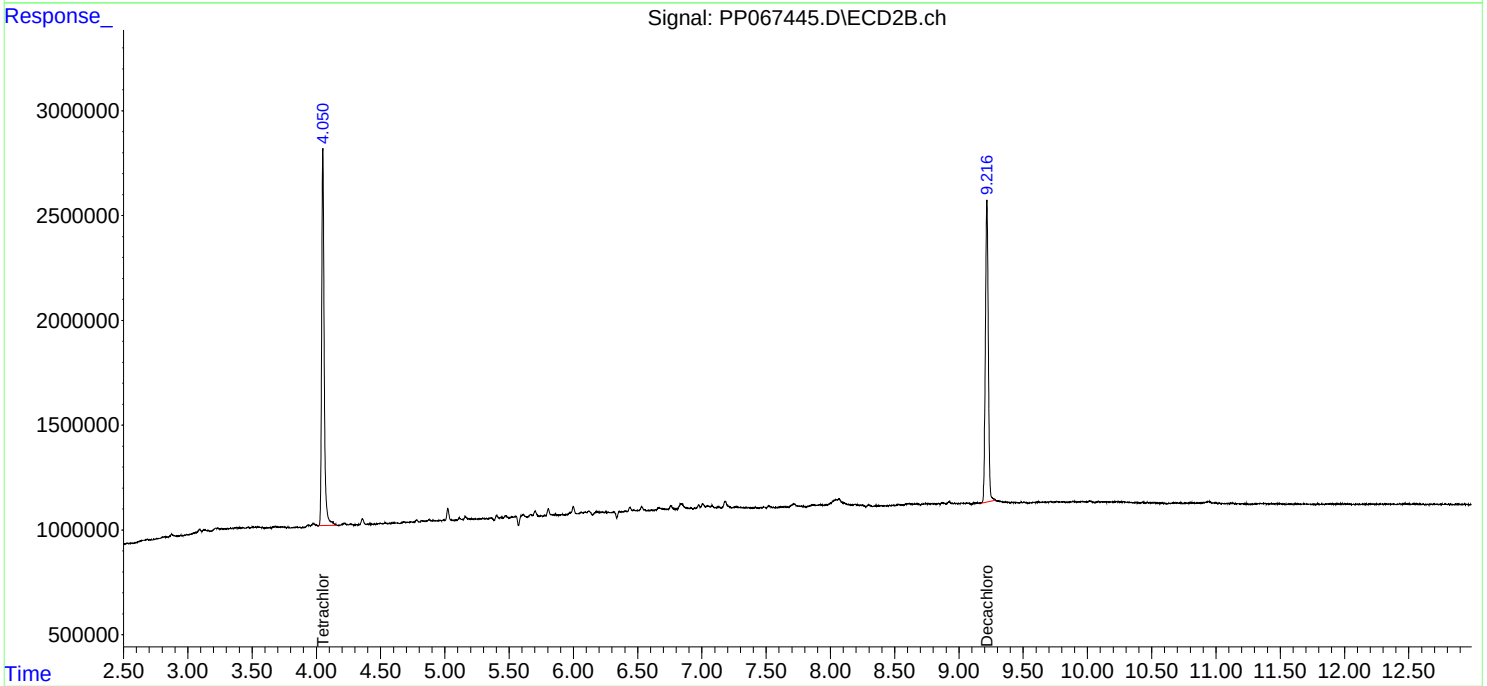
Manual Integrations APPROVED

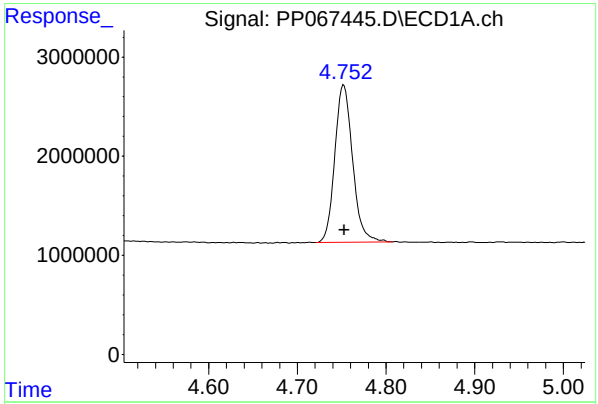
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:20:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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







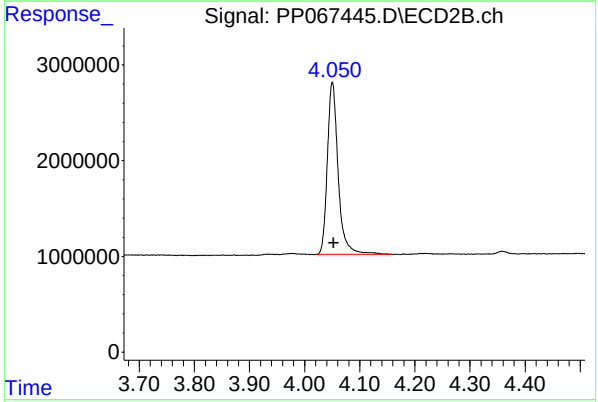
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: 0.000 min
Response: 22141039
Conc: 16.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

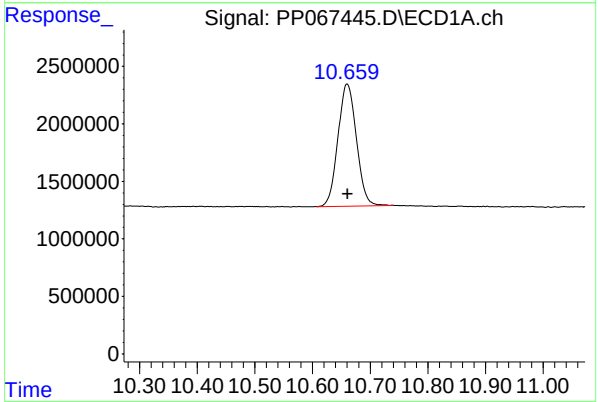
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024



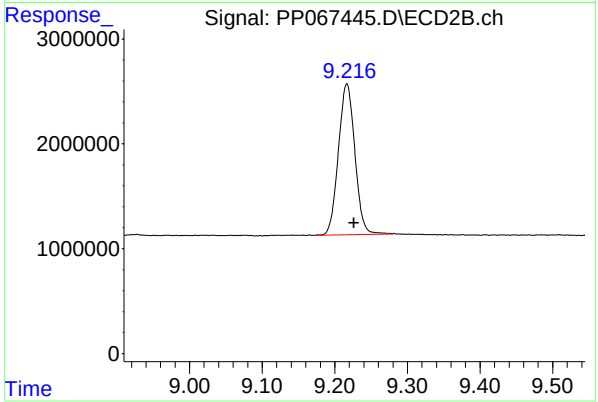
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.003 min
Response: 24503076
Conc: 16.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.660 min
Delta R.T.: -0.002 min
Response: 23439139
Conc: 16.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.010 min
Response: 22699204
Conc: 16.47 ng/ml m

Raw Data: **PP067456.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PP067456.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067456.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067456.D	1		10/03/24	PP100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	81%	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: **PP067456.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 03:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 05:42:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.053	22017754	24321590	16.381	16.278
2)	SA Decachlor...	10.663	9.219	23997907	23060746	16.531	16.735
	Target Compounds						

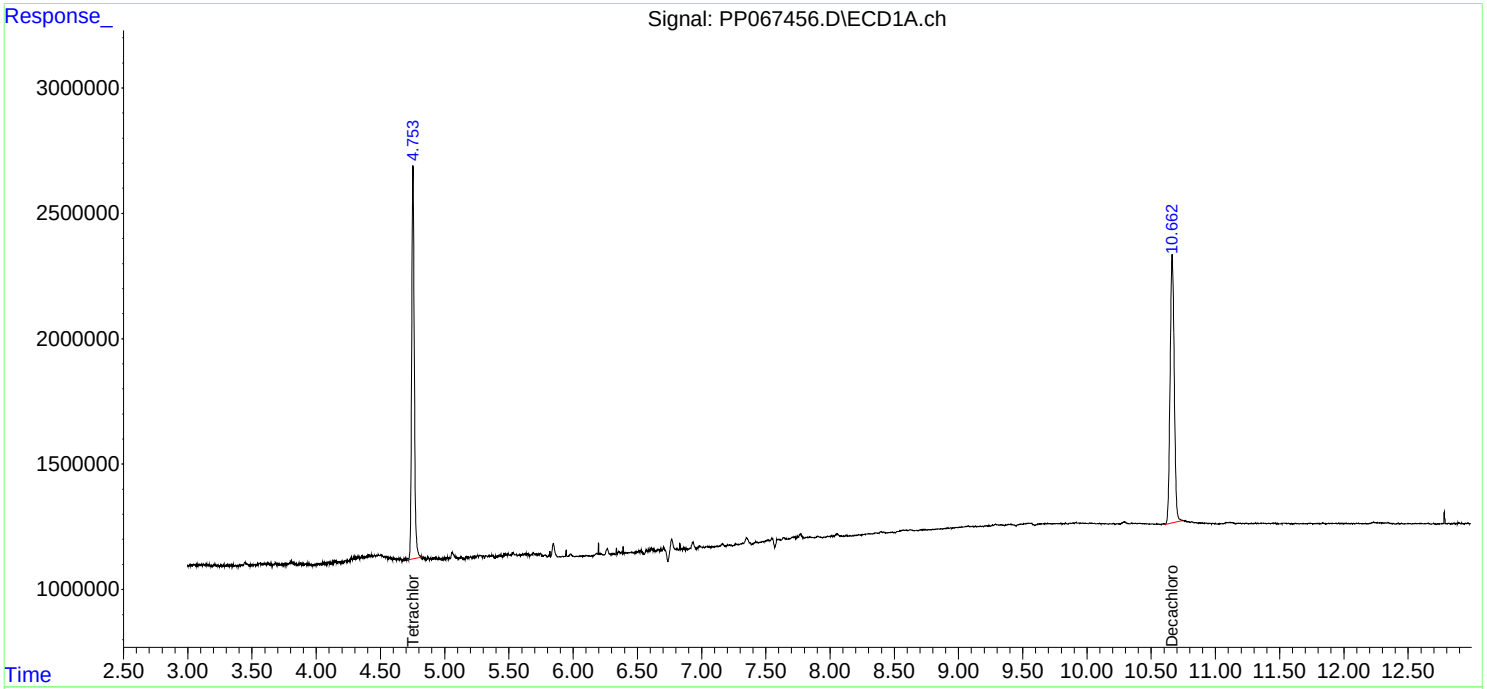
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

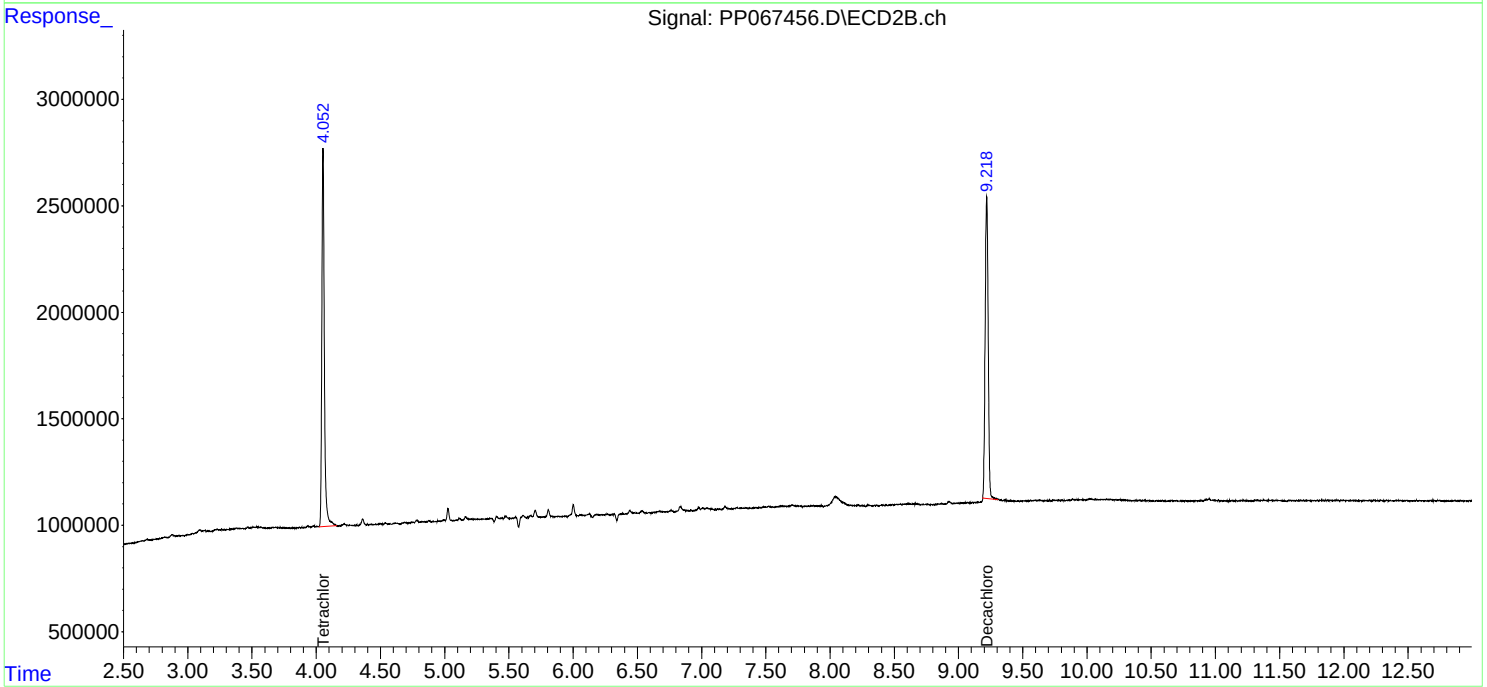
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 03:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

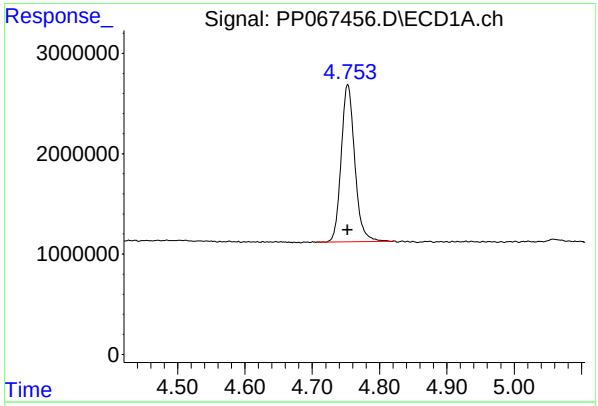
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 05:42:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



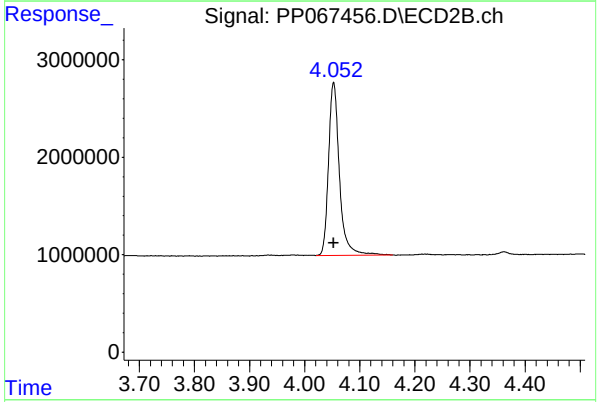




#1 Tetrachloro-m-xylene

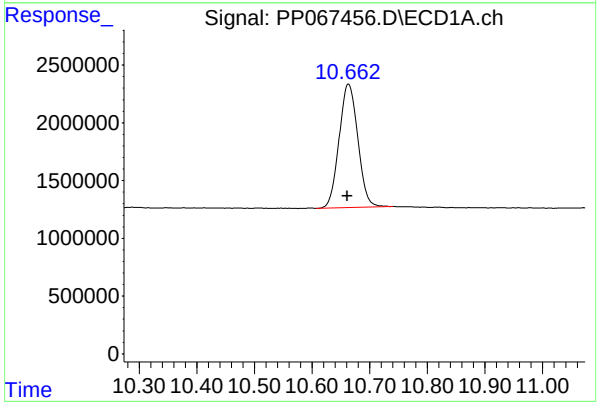
R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 22017754
Conc: 16.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



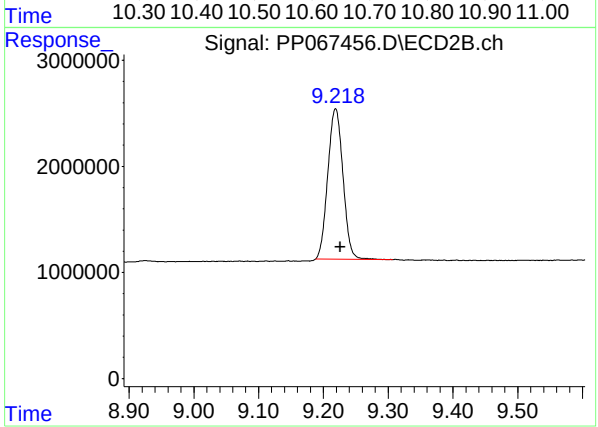
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 24321590
Conc: 16.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.663 min
Delta R.T.: 0.002 min
Response: 23997907
Conc: 16.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: -0.007 min
Response: 23060746
Conc: 16.73 ng/ml

Raw Data: **PP067432.D**

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

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB163832BS		SDG No.:	P4258	
Lab Sample ID:	PB163832BS		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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067432.D	1	10/02/24 08:30	10/02/24 15:11	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	122		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	110		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.4		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		32 - 175	82%	SPK: 20

Comments:

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

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

Sample Results: **PP067432.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 15:11
Operator : YP\AJ
Sample : PB163832BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB163832BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:15:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.052	23399278	25840649	17.409	17.295
2)	SA Decachlor...	10.662	9.219	23381146	22631199	16.106	16.423m
	Target Compounds						
3)	L1 AR-1016-1	5.916	5.161	17186793	17803419	360.463	345.169
4)	L1 AR-1016-2	5.938	5.181	24974689	24387600	360.688	342.984
5)	L1 AR-1016-3	6.002	5.362	16327890	13833666	365.521	347.599
6)	L1 AR-1016-4	6.100	5.401	13357175	12165052	371.700	352.313
7)	L1 AR-1016-5	6.395	5.620	13547447	15009555	367.641	349.791
31)	L7 AR-1260-1	7.518	6.664	26817688	26988604	340.402	329.920
32)	L7 AR-1260-2	7.771	6.851	30983700	30215526	339.936	321.632
33)	L7 AR-1260-3	8.133	7.009	20368974	29604337	322.446	326.775
34)	L7 AR-1260-4	8.370	7.484	24759097	21570793	327.912	323.494
35)	L7 AR-1260-5	8.707	7.722	41214816	46202267	318.321	317.355

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

Sample Results: **PP067432.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 15:11
Operator : YP\AJ
Sample : PB163832BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

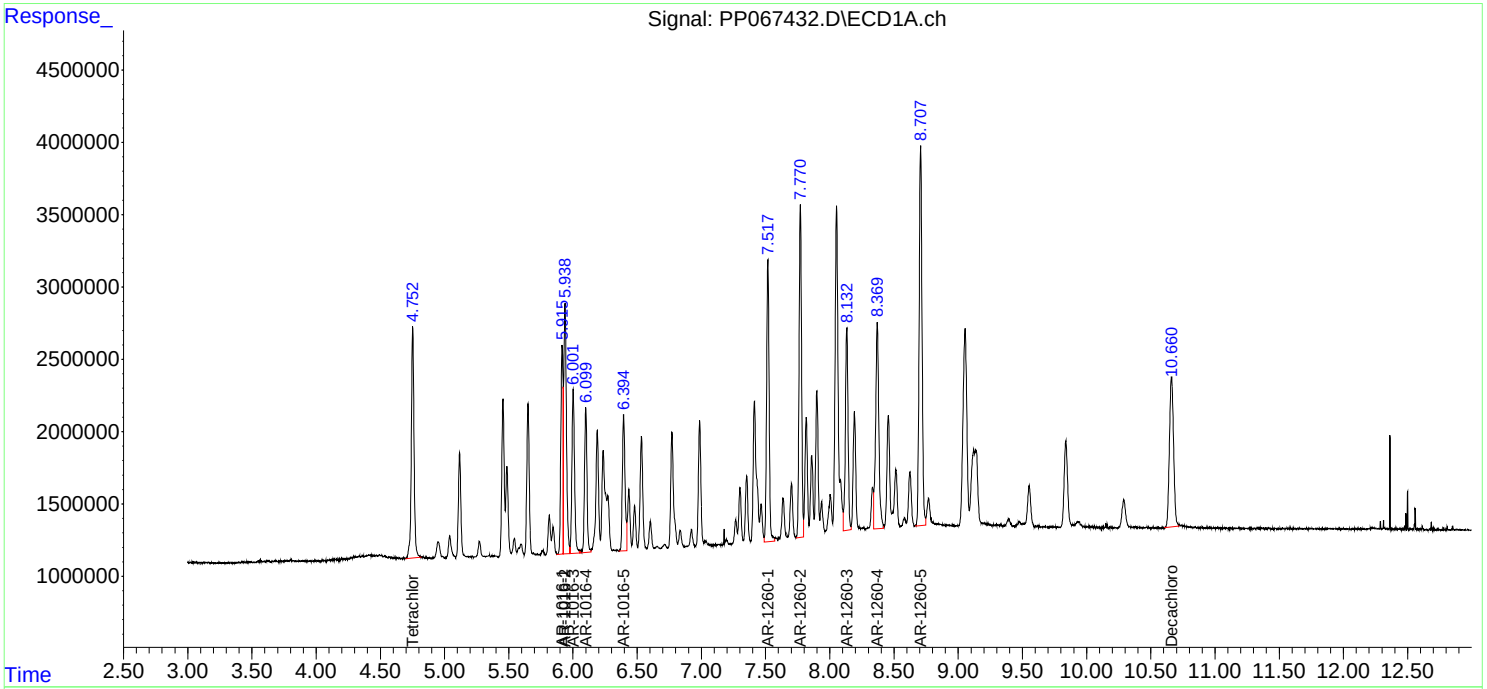
Instrument :
ECD_P
ClientSampleId :
PB163832BS

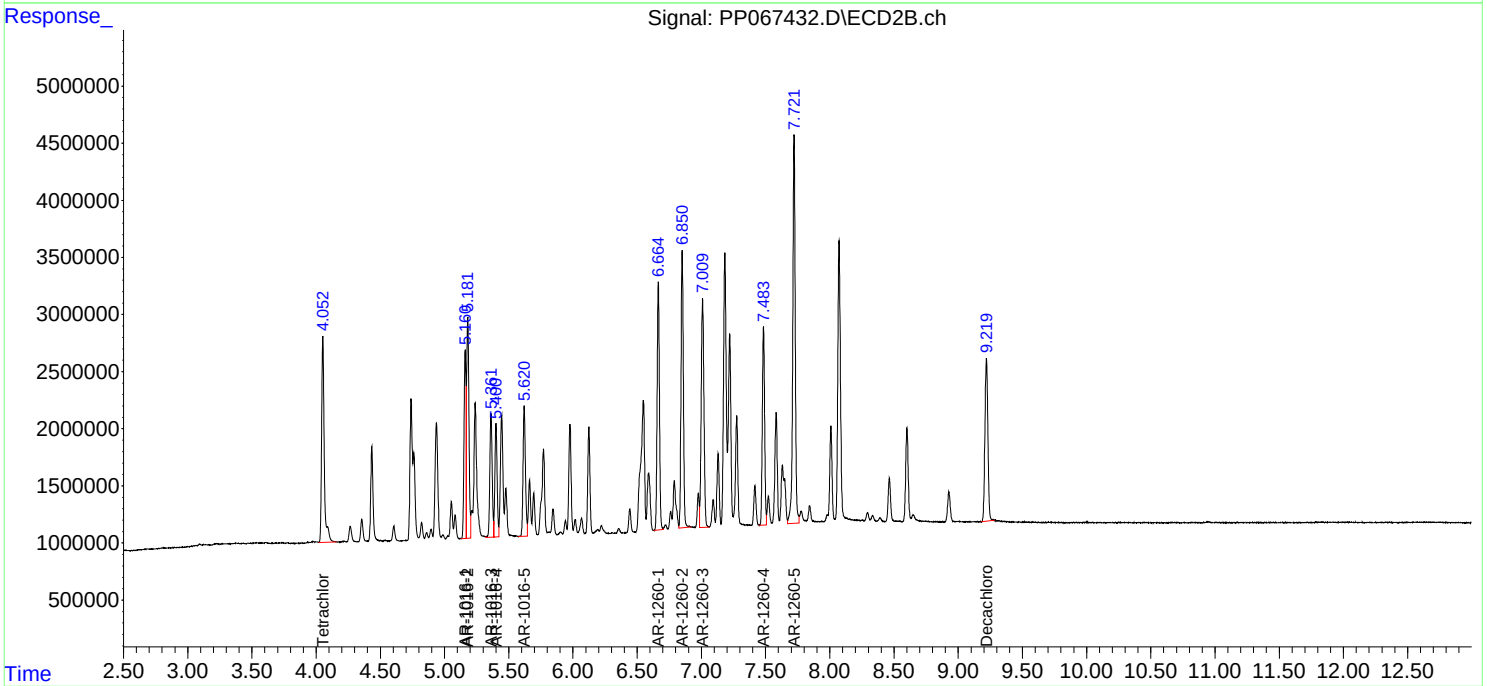
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:15:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP067436.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	OR-03-100124MS	SDG No.:	P4258
Lab Sample ID:	P4255-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067436.D	1	10/02/24 08:30	10/02/24 16:15	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	144		3.80	19.3	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.3	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.3	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.3	ug/kg
12672-29-6	Aroclor-1248	8.90	U	8.90	19.3	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.3	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.3	ug/kg
11096-82-5	Aroclor-1260	116		3.30	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		32 - 144	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		32 - 175	68%	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: **PP067436.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:15
Operator : YP\AJ
Sample : P4255-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OR-03-100124MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.051	22968192	22282459	17.088	14.913
2)	SA Decachlor...	10.662	9.219	19614691	16944716	13.511	12.296
	Target Compounds						
3)	L1 AR-1016-1	5.917	5.161	18026831	18678662	378.082	362.138
4)	L1 AR-1016-2	5.940	5.181	25556414	23774507	369.089	334.362
5)	L1 AR-1016-3	6.004	5.361	17594116	14012569	393.867	352.094
6)	L1 AR-1016-4	6.101	5.401	14230416	11947893	396.001	346.024
7)	L1 AR-1016-5	6.395	5.619	13802814	12852834	374.570	299.530m
31)	L7 AR-1260-1	7.519	6.664	23724967	22844565	301.145	279.261
32)	L7 AR-1260-2	7.772	6.850	34163381	25528871	374.822	271.744 #
33)	L7 AR-1260-3	8.134	7.008	17467084	24399736	276.509	269.326
34)	L7 AR-1260-4	8.372	7.483	22104076	18061975	292.748	270.873
35)	L7 AR-1260-5	8.708	7.721	37826978	39795389	292.156	273.348

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

Sample Results: **PP067436.D**

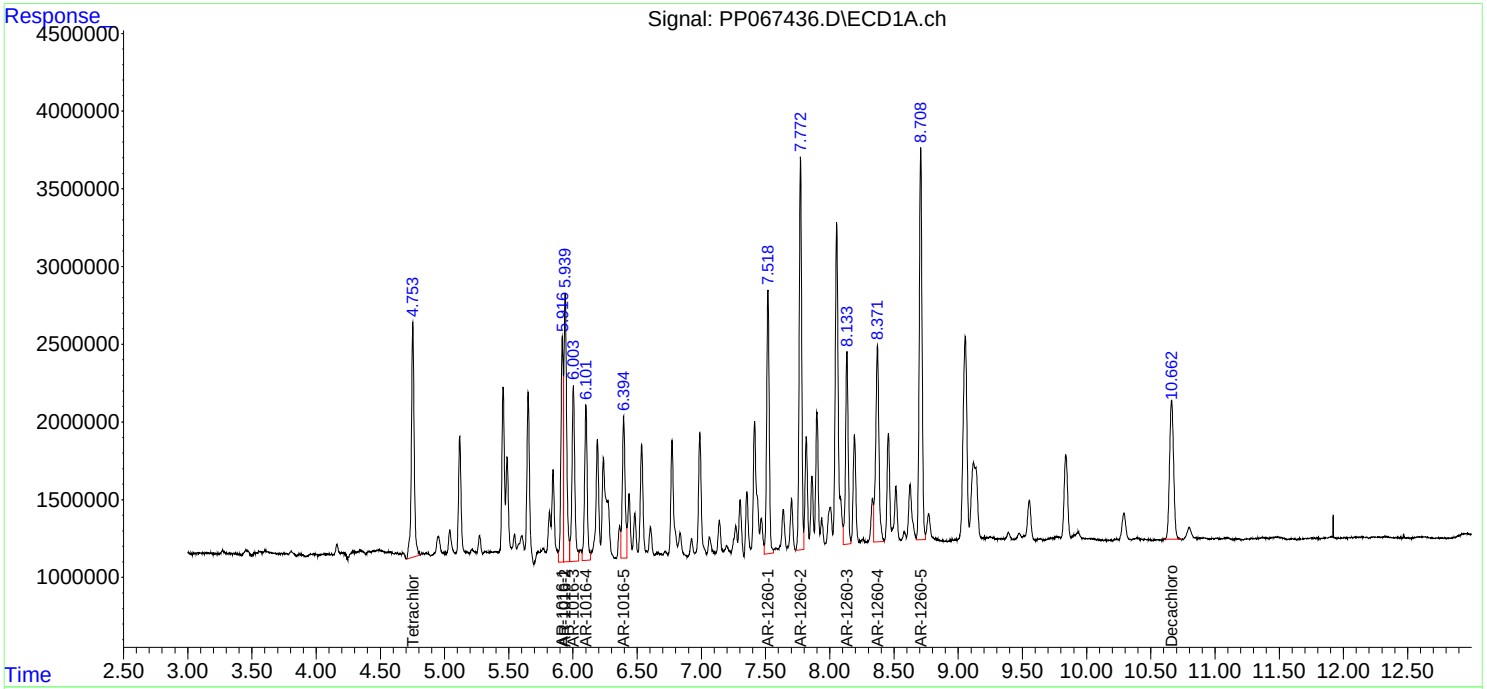
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:15
Operator : YP\AJ
Sample : P4255-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

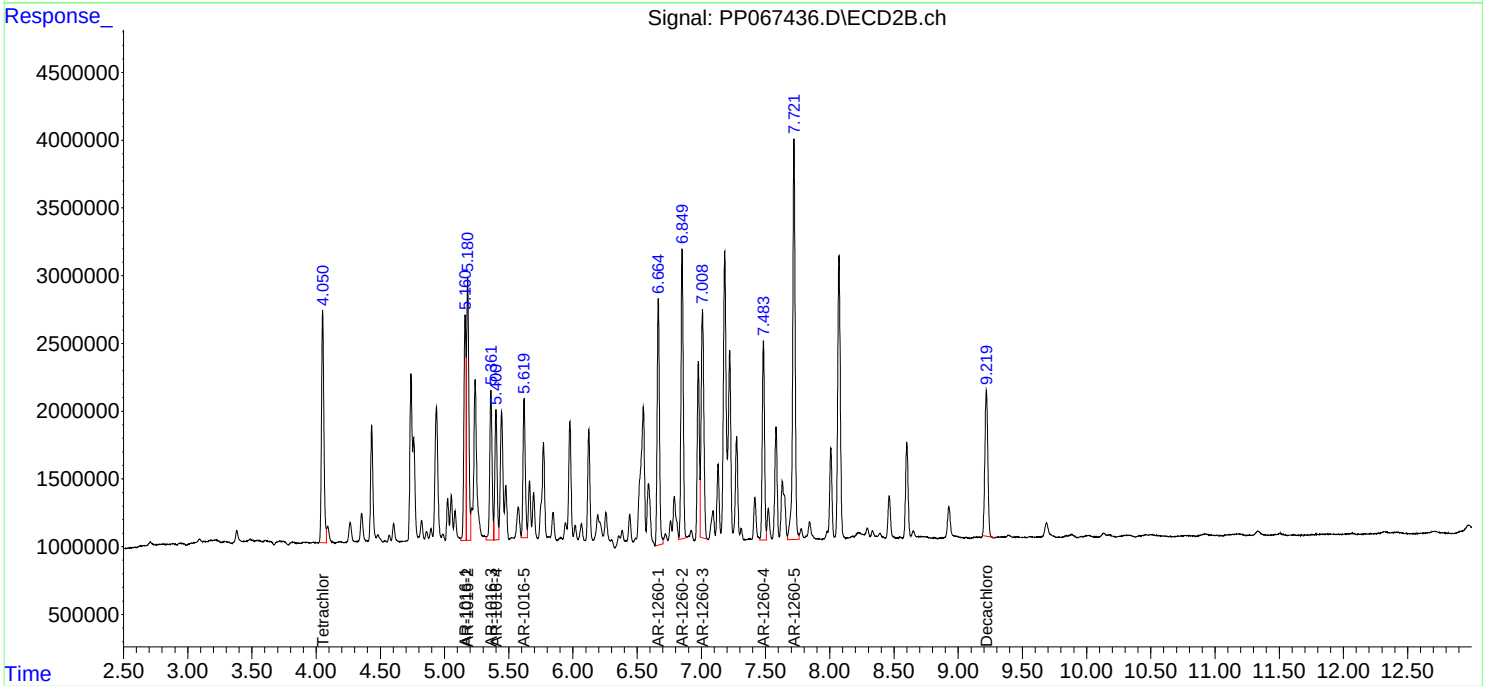
Instrument :
ECD_P
ClientSampleId :
OR-03-100124MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP067437.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	OR-03-100124MSD	SDG No.:	P4258
Lab Sample ID:	P4255-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067437.D	1	10/02/24 08:30	10/02/24 16:31	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	143		3.80	19.3	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.3	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.3	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.3	ug/kg
12672-29-6	Aroclor-1248	9.00	U	9.00	19.3	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.3	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.3	ug/kg
11096-82-5	Aroclor-1260	104		3.30	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.1		32 - 175	65%	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\PP100224\
Data File : PP067437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:31
Operator : YP\AJ
Sample : P4255-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OR-03-100124MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.751	4.051	23289983	22278353	17.328m	14.910
2) SA	Decachlor...	10.663	9.218	18958159	16880042	13.059	12.249
	Target Compounds						
3) L1	AR-1016-1	5.915	5.160	17493866	18400339	366.904	356.742
4) L1	AR-1016-2	5.938	5.180	25751169	23546799	371.902	331.159
5) L1	AR-1016-3	6.002	5.361	17281262	14000058	386.864	351.780
6) L1	AR-1016-4	6.099	5.400	14482653	11839319	403.020	342.880
7) L1	AR-1016-5	6.394	5.618	13315965	13617729	361.359	317.355m
31) L7	AR-1260-1	7.518	6.664	22448812	22527161	284.947	275.381
32) L7	AR-1260-2	7.770	6.850	24999969	25440104	274.286	270.799
33) L7	AR-1260-3	8.132	7.008	16586000	24645845	262.561	272.043
34) L7	AR-1260-4	8.370	7.483	20712970	17473892	274.324	262.054
35) L7	AR-1260-5	8.706	7.721	36921684	38879641	285.164	267.058

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:31
Operator : YP\AJ
Sample : P4255-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

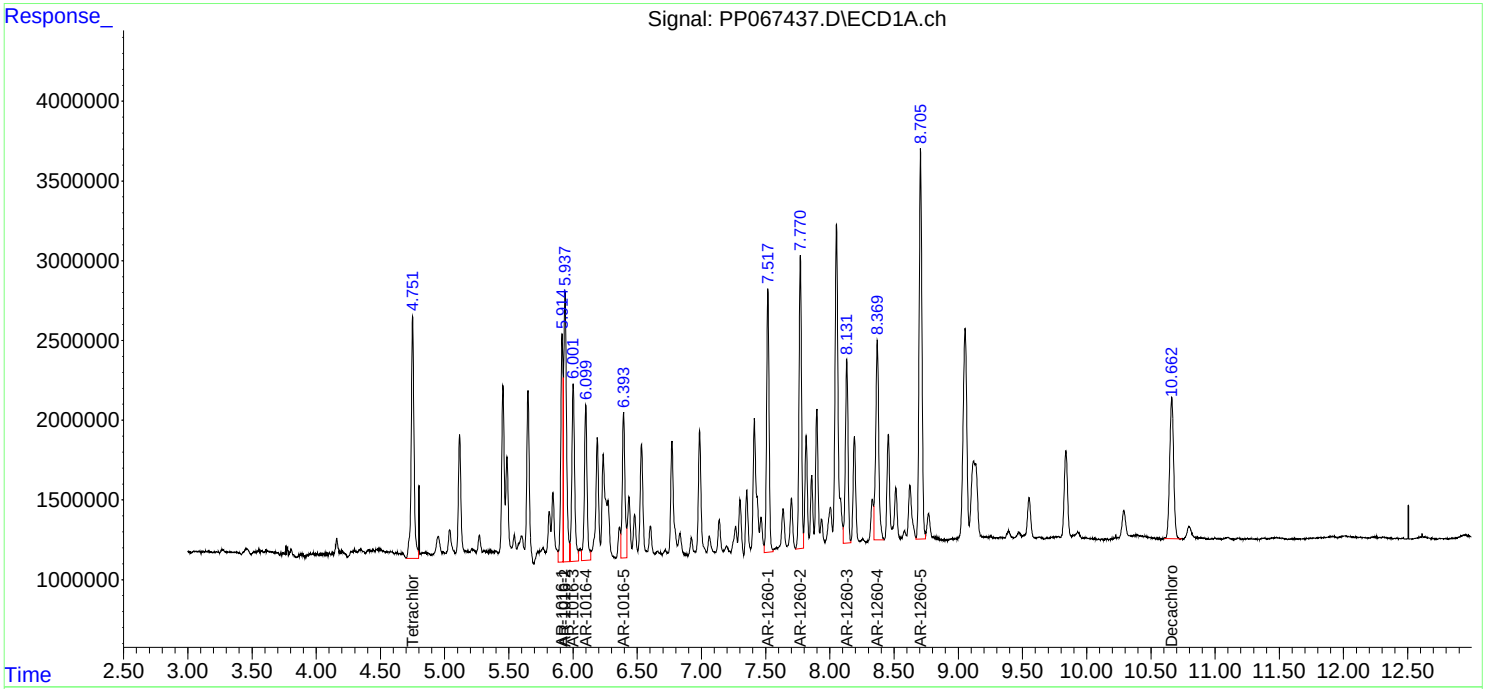
Instrument :
ECD_P
ClientSampleId :
OR-03-100124MSD

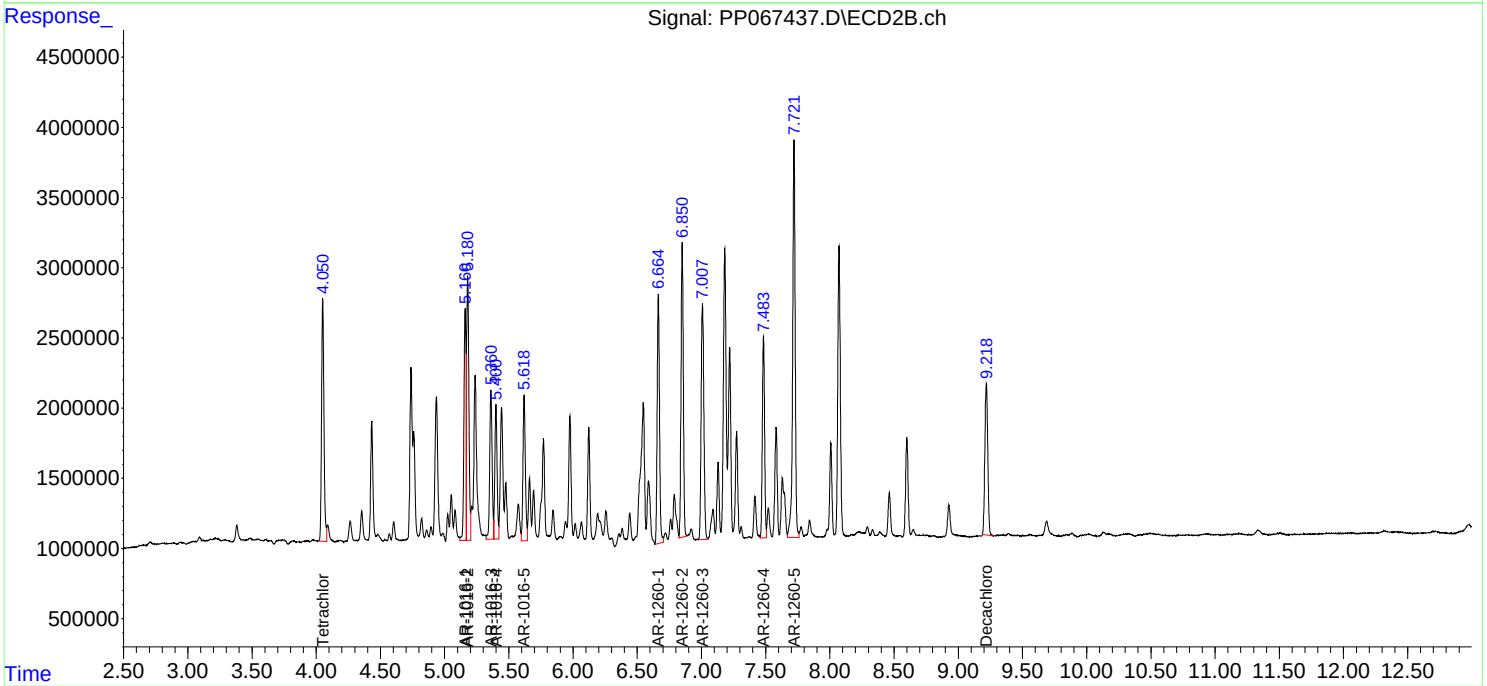
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PP092624	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC1000	PP067269.D	AR-1254-1	yogesh	9/27/2024 8:40:53 AM	Ankita	9/27/2024 11:54:14	Peak Integrated by Software
AR1254ICC1000	PP067269.D	AR-1254-5	yogesh	9/27/2024 8:40:53 AM	Ankita	9/27/2024 11:54:14	Peak Integrated by Software
AR1254ICC750	PP067270.D	AR-1254-1	yogesh	9/27/2024 8:40:54 AM	Ankita	9/27/2024 11:54:15	Peak Integrated by Software
AR1254ICC750	PP067270.D	AR-1254-5	yogesh	9/27/2024 8:40:54 AM	Ankita	9/27/2024 11:54:15	Peak Integrated by Software
AR1254ICC500	PP067271.D	AR-1254-4 #2	yogesh	9/27/2024 8:40:55 AM	Ankita	9/27/2024 11:54:17	Peak Integrated by Software
AR1254ICC250	PP067272.D	AR-1254-1	yogesh	9/27/2024 8:40:57 AM	Ankita	9/27/2024 11:54:19	Peak Integrated by Software
AR1254ICC250	PP067272.D	AR-1254-5	yogesh	9/27/2024 8:40:57 AM	Ankita	9/27/2024 11:54:19	Peak Integrated by Software
AR1254ICC050	PP067273.D	AR-1254-1	yogesh	9/27/2024 8:40:58 AM	Ankita	9/27/2024 11:54:21	Peak Integrated by Software
AR1254ICC050	PP067273.D	AR-1254-5	yogesh	9/27/2024 8:40:58 AM	Ankita	9/27/2024 11:54:21	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP100224	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP067428.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:04 AM	Ankita	10/3/2024 10:30:37	Peak Integrated by Software
AR1254CCC500	PP067429.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:07 AM	Ankita	10/3/2024 10:30:39	Peak Integrated by Software
I.BLK	PP067430.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:09 AM	Ankita	10/3/2024 10:30:41	Peak Integrated by Software
PB163832BL	PP067431.D	Decachlorobiphenyl	yogesh	10/3/2024 8:41:12 AM	Ankita	10/3/2024 10:30:43	Peak Integrated by Software
PB163832BS	PP067432.D	Decachlorobiphenyl #2	yogesh	10/9/2024 8:13:41 AM	Ankita	10/9/2024 9:19:45	Peak Integrated by Software
P4255-01MS	PP067436.D	AR-1016-5 #2	yogesh	10/3/2024 8:41:19 AM	Ankita	10/3/2024 10:30:49	Peak Integrated by Software
P4255-01MSD	PP067437.D	AR-1016-5 #2	yogesh	10/3/2024 8:41:21 AM	Ankita	10/3/2024 10:30:51	Peak Integrated by Software
P4255-01MSD	PP067437.D	Tetrachloro-m-xylene	yogesh	10/3/2024 8:41:21 AM	Ankita	10/3/2024 10:30:51	Peak Integrated by Software
AR1660CCC500	PP067441.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:28 AM	Ankita	10/3/2024 10:30:55	Peak Integrated by Software
AR1242CCC500	PP067442.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:31 AM	Ankita	10/3/2024 10:30:57	Peak Integrated by Software
AR1248CCC500	PP067443.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:33 AM	Ankita	10/3/2024 10:30:58	Peak Integrated by Software
AR1254CCC500	PP067444.D	AR-1254-1	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
AR1254CCC500	PP067444.D	AR-1254-1 #2	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP100224	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP067444.D	AR-1254-2 #2	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
AR1254CCC500	PP067444.D	AR-1254-5	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
AR1254CCC500	PP067444.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
I.BLK	PP067445.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:36 AM	Ankita	10/3/2024 10:31:02	Peak Integrated by Software
P4258-03	PP067446.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:38 AM	Ankita	10/3/2024 10:31:03	Peak Integrated by Software
AR1660CCC500	PP067452.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:46 AM	Ankita	10/3/2024 10:31:09	Peak Integrated by Software
AR1242CCC500	PP067453.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:49 AM	Ankita	10/3/2024 10:31:11	Peak Integrated by Software
AR1248CCC500	PP067454.D	AR-1248-4 #2	yogesh	10/3/2024 8:41:51 AM	Ankita	10/3/2024 10:31:12	Peak Integrated by Software
AR1248CCC500	PP067454.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:51 AM	Ankita	10/3/2024 10:31:12	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-1	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-1 #2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-2 #2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP100224	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP067455.D	AR-1254-5	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software

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 # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067250.D	26 Sep 2024 16:03	YP\AJ	Ok
2	I.BLK	PP067251.D	26 Sep 2024 16:19	YP\AJ	Ok
3	AR1660ICC1000	PP067252.D	26 Sep 2024 16:35	YP\AJ	Ok
4	AR1660ICC750	PP067253.D	26 Sep 2024 16:51	YP\AJ	Ok
5	AR1660ICC500	PP067254.D	26 Sep 2024 17:08	YP\AJ	Ok
6	AR1660ICC250	PP067255.D	26 Sep 2024 17:24	YP\AJ	Ok
7	AR1660ICC050	PP067256.D	26 Sep 2024 17:40	YP\AJ	Ok
8	AR1221ICC500	PP067257.D	26 Sep 2024 17:56	YP\AJ	Ok
9	AR1232ICC500	PP067258.D	26 Sep 2024 18:12	YP\AJ	Ok
10	AR1242ICC1000	PP067259.D	26 Sep 2024 18:28	YP\AJ	Ok
11	AR1242ICC750	PP067260.D	26 Sep 2024 18:45	YP\AJ	Ok
12	AR1242ICC500	PP067261.D	26 Sep 2024 19:01	YP\AJ	Ok
13	AR1242ICC250	PP067262.D	26 Sep 2024 19:17	YP\AJ	Ok
14	AR1242ICC050	PP067263.D	26 Sep 2024 19:33	YP\AJ	Ok
15	AR1248ICC1000	PP067264.D	26 Sep 2024 19:49	YP\AJ	Ok
16	AR1248ICC750	PP067265.D	26 Sep 2024 20:05	YP\AJ	Ok
17	AR1248ICC500	PP067266.D	26 Sep 2024 20:21	YP\AJ	Ok
18	AR1248ICC250	PP067267.D	26 Sep 2024 20:38	YP\AJ	Ok
19	AR1248ICC050	PP067268.D	26 Sep 2024 20:54	YP\AJ	Ok
20	AR1254ICC1000	PP067269.D	26 Sep 2024 21:10	YP\AJ	Ok,M
21	AR1254ICC750	PP067270.D	26 Sep 2024 21:26	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 # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230 ,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP2324 5,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP067271.D	26 Sep 2024 21:42	YP\AJ	Ok,M
23	AR1254ICC250	PP067272.D	26 Sep 2024 21:58	YP\AJ	Ok,M
24	AR1254ICC050	PP067273.D	26 Sep 2024 22:14	YP\AJ	Ok,M
25	AR1262ICC500	PP067274.D	26 Sep 2024 22:30	YP\AJ	Ok
26	AR1268ICC1000	PP067275.D	26 Sep 2024 22:47	YP\AJ	Ok
27	AR1268ICC750	PP067276.D	26 Sep 2024 23:03	YP\AJ	Ok
28	AR1268ICC500	PP067277.D	26 Sep 2024 23:19	YP\AJ	Ok
29	AR1268ICC250	PP067278.D	26 Sep 2024 23:35	YP\AJ	Ok
30	AR1268ICC050	PP067279.D	26 Sep 2024 23:51	YP\AJ	Ok
31	PP092624ICV500	PP067280.D	27 Sep 2024 00:07	YP\AJ	Ok
32	AR1242ICV500	PP067281.D	27 Sep 2024 00:23	YP\AJ	Ok
33	AR1248ICV500	PP067282.D	27 Sep 2024 00:39	YP\AJ	Ok
34	AR1254ICV500	PP067283.D	27 Sep 2024 00:56	YP\AJ	Ok
35	AR1268ICV500	PP067284.D	27 Sep 2024 01:12	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 # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067421.D	02 Oct 2024 08:48	YP\AJ	Ok
2	AR1660CCC500	PP067422.D	02 Oct 2024 09:04	YP\AJ	Ok
3	I.BLK	PP067423.D	02 Oct 2024 09:23	YP\AJ	Ok
4	P4249-02DL	PP067424.D	02 Oct 2024 09:39	YP\AJ	Ok
5	P4249-03DL	PP067425.D	02 Oct 2024 09:55	YP\AJ	Ok
6	AR1660CCC500	PP067426.D	02 Oct 2024 13:34	YP\AJ	Ok
7	AR1242CCC500	PP067427.D	02 Oct 2024 13:50	YP\AJ	Ok
8	AR1248CCC500	PP067428.D	02 Oct 2024 14:06	YP\AJ	Ok,M
9	AR1254CCC500	PP067429.D	02 Oct 2024 14:22	YP\AJ	Ok,M
10	I.BLK	PP067430.D	02 Oct 2024 14:38	YP\AJ	Ok,M
11	PB163832BL	PP067431.D	02 Oct 2024 14:54	YP\AJ	Ok,M
12	PB163832BS	PP067432.D	02 Oct 2024 15:11	YP\AJ	Ok,M
13	P4242-01	PP067433.D	02 Oct 2024 15:27	YP\AJ	Ok
14	P4254-01	PP067434.D	02 Oct 2024 15:43	YP\AJ	Not Ok
15	P4255-01	PP067435.D	02 Oct 2024 15:59	YP\AJ	Ok,M
16	P4255-01MS	PP067436.D	02 Oct 2024 16:15	YP\AJ	Ok,M
17	P4255-01MSD	PP067437.D	02 Oct 2024 16:31	YP\AJ	Ok,M
18	P4256-01	PP067438.D	02 Oct 2024 16:47	YP\AJ	Ok
19	P4256-02	PP067439.D	02 Oct 2024 17:03	YP\AJ	Ok,M
20	P4257-01	PP067440.D	02 Oct 2024 17:19	YP\AJ	Ok,M
21	AR1660CCC500	PP067441.D	02 Oct 2024 20:39	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 # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230 ,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP2324 5,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1242CCC500	PP067442.D	02 Oct 2024 21:12	YP\AJ	Ok,M
23	AR1248CCC500	PP067443.D	02 Oct 2024 22:27	YP\AJ	Ok,M
24	AR1254CCC500	PP067444.D	02 Oct 2024 22:43	YP\AJ	Ok,M
25	I.BLK	PP067445.D	02 Oct 2024 22:59	YP\AJ	Ok,M
26	P4258-03	PP067446.D	02 Oct 2024 23:15	YP\AJ	Ok,M
27	PB163840BL	PP067447.D	02 Oct 2024 23:31	YP\AJ	Ok,M
28	PB163840BS	PP067448.D	02 Oct 2024 23:47	YP\AJ	Ok
29	PB163840BSD	PP067449.D	03 Oct 2024 00:03	YP\AJ	Ok,M
30	P4235-02	PP067450.D	03 Oct 2024 00:19	YP\AJ	Ok,M
31	P4254-05	PP067451.D	03 Oct 2024 00:35	YP\AJ	Ok
32	AR1660CCC500	PP067452.D	03 Oct 2024 02:06	YP\AJ	Ok,M
33	AR1242CCC500	PP067453.D	03 Oct 2024 02:22	YP\AJ	Ok,M
34	AR1248CCC500	PP067454.D	03 Oct 2024 02:38	YP\AJ	Ok,M
35	AR1254CCC500	PP067455.D	03 Oct 2024 02:54	YP\AJ	Ok,M
36	I.BLK	PP067456.D	03 Oct 2024 03:10	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067250.D	26 Sep 2024 16:03		YP\AJ	Ok
2	I.BLK	I.BLK	PP067251.D	26 Sep 2024 16:19		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067252.D	26 Sep 2024 16:35		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067253.D	26 Sep 2024 16:51		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067254.D	26 Sep 2024 17:08		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067255.D	26 Sep 2024 17:24		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP067256.D	26 Sep 2024 17:40		YP\AJ	Ok
8	AR1221ICC500	AR1221ICC500	PP067257.D	26 Sep 2024 17:56		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067258.D	26 Sep 2024 18:12		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067259.D	26 Sep 2024 18:28		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067260.D	26 Sep 2024 18:45		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067261.D	26 Sep 2024 19:01		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP067262.D	26 Sep 2024 19:17		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067263.D	26 Sep 2024 19:33		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP067264.D	26 Sep 2024 19:49		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067265.D	26 Sep 2024 20:05		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067266.D	26 Sep 2024 20:21		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067267.D	26 Sep 2024 20:38		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 # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP067268.D	26 Sep 2024 20:54		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP067269.D	26 Sep 2024 21:10		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP067270.D	26 Sep 2024 21:26		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP067271.D	26 Sep 2024 21:42		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP067272.D	26 Sep 2024 21:58		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP067273.D	26 Sep 2024 22:14		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP067274.D	26 Sep 2024 22:30		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP067275.D	26 Sep 2024 22:47		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP067276.D	26 Sep 2024 23:03		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP067277.D	26 Sep 2024 23:19		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP067278.D	26 Sep 2024 23:35		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP067279.D	26 Sep 2024 23:51		YP\AJ	Ok
31	PP092624ICV500	ICVPP092624	PP067280.D	27 Sep 2024 00:07		YP\AJ	Ok
32	AR1242ICV500	ICVPP092624AR1242	PP067281.D	27 Sep 2024 00:23		YP\AJ	Ok
33	AR1248ICV500	ICVPP092624AR1248	PP067282.D	27 Sep 2024 00:39		YP\AJ	Ok
34	AR1254ICV500	ICVPP092624AR1254	PP067283.D	27 Sep 2024 00:56		YP\AJ	Ok
35	AR1268ICV500	ICVPP092624AR1268	PP067284.D	27 Sep 2024 01:12		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 # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067421.D	02 Oct 2024 08:48		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP067422.D	02 Oct 2024 09:04		YP\AJ	Ok
3	I.BLK	I.BLK	PP067423.D	02 Oct 2024 09:23		YP\AJ	Ok
4	P4249-02DL	RV-26(2-2.5)DL	PP067424.D	02 Oct 2024 09:39	AR1260 Hit	YP\AJ	Ok
5	P4249-03DL	RV-27(2-2.5)DL	PP067425.D	02 Oct 2024 09:55	AR1260 Hit	YP\AJ	Ok
6	AR1660CCC500	AR1660CCC500	PP067426.D	02 Oct 2024 13:34		YP\AJ	Ok
7	AR1242CCC500	AR1242CCC500	PP067427.D	02 Oct 2024 13:50		YP\AJ	Ok
8	AR1248CCC500	AR1248CCC500	PP067428.D	02 Oct 2024 14:06		YP\AJ	Ok,M
9	AR1254CCC500	AR1254CCC500	PP067429.D	02 Oct 2024 14:22		YP\AJ	Ok,M
10	I.BLK	I.BLK	PP067430.D	02 Oct 2024 14:38		YP\AJ	Ok,M
11	PB163832BL	PB163832BL	PP067431.D	02 Oct 2024 14:54		YP\AJ	Ok,M
12	PB163832BS	PB163832BS	PP067432.D	02 Oct 2024 15:11		YP\AJ	Ok,M
13	P4242-01	TP-Q	PP067433.D	02 Oct 2024 15:27		YP\AJ	Ok
14	P4254-01	MH-147-SLUDGE	PP067434.D	02 Oct 2024 15:43	DCB fail in both column, TCMX low in 2nd column	YP\AJ	Not Ok
15	P4255-01	OR-03-100124	PP067435.D	02 Oct 2024 15:59		YP\AJ	Ok,M
16	P4255-01MS	OR-03-100124MS	PP067436.D	02 Oct 2024 16:15		YP\AJ	Ok,M
17	P4255-01MSD	OR-03-100124MSD	PP067437.D	02 Oct 2024 16:31		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 # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4256-01	585	PP067438.D	02 Oct 2024 16:47		YP\AJ	Ok
19	P4256-02	31480	PP067439.D	02 Oct 2024 17:03		YP\AJ	Ok,M
20	P4257-01	VNJ-240	PP067440.D	02 Oct 2024 17:19		YP\AJ	Ok,M
21	AR1660CCC500	AR1660CCC500	PP067441.D	02 Oct 2024 20:39	AR1016 2&3 peak low in 1st column	YP\AJ	Ok,M
22	AR1242CCC500	AR1242CCC500	PP067442.D	02 Oct 2024 21:12		YP\AJ	Ok,M
23	AR1248CCC500	AR1248CCC500	PP067443.D	02 Oct 2024 22:27		YP\AJ	Ok,M
24	AR1254CCC500	AR1254CCC500	PP067444.D	02 Oct 2024 22:43		YP\AJ	Ok,M
25	I.BLK	I.BLK	PP067445.D	02 Oct 2024 22:59		YP\AJ	Ok,M
26	P4258-03	Chamberlain Ave	PP067446.D	02 Oct 2024 23:15		YP\AJ	Ok,M
27	PB163840BL	PB163840BL	PP067447.D	02 Oct 2024 23:31		YP\AJ	Ok,M
28	PB163840BS	PB163840BS	PP067448.D	02 Oct 2024 23:47		YP\AJ	Ok
29	PB163840BSD	PB163840BSD	PP067449.D	03 Oct 2024 00:03		YP\AJ	Ok,M
30	P4235-02	A1403	PP067450.D	03 Oct 2024 00:19		YP\AJ	Ok,M
31	P4254-05	MH-147	PP067451.D	03 Oct 2024 00:35		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP067452.D	03 Oct 2024 02:06		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP067453.D	03 Oct 2024 02:22		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP067454.D	03 Oct 2024 02:38		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP067455.D	03 Oct 2024 02:54		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP067456.D	03 Oct 2024 03:10		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 # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/2/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:35
In Date: 10/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 10/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB132680

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
P4242-01	TP-Q	1	1.15	8.81	9.96	9.47	94.4	
P4242-02	TP-Q-EPH	2	1.19	8.66	9.85	9.09	91.2	
P4242-03	TP-Q-VOC	3	1.17	8.58	9.75	8.97	90.9	
P4249-01	RV-25(4-4.5)	4	1.18	8.54	9.72	9.4	96.3	
P4249-02	RV-26(2-2.5)	5	1.14	8.84	9.98	9.08	89.8	
P4249-03	RV-27(2-2.5)	6	1.15	8.35	9.5	8.72	90.7	
P4249-04	RV-28(2-2.5)	7	1.18	8.64	9.82	8.58	85.6	
P4254-01	MH-147-SLUDGE	8	1.13	8.60	9.73	4.39	37.9	sludge sample
P4254-02	MH-147-SLUDGE-VOC	9	1.15	8.81	9.96	4.56	38.7	sludge sample
P4254-03	MH-147-SLUDGE-E2	10	1.14	8.82	9.96	4.13	33.9	sludge sample
P4255-01	OR-03-100124	11	1.14	8.43	9.57	8.57	88.1	
P4255-02	OR-03-100124-E2	12	1.15	8.71	9.86	8.97	89.8	
P4256-01	585	13	1.19	8.49	9.68	7.19	70.7	
P4256-02	31480	14	1.00	1.00	2.00	2.00	100.0	debris
P4257-01	VNJ-240	15	1.12	8.50	9.62	9.03	93.1	
P4257-02	VNJ-240	16	1.14	8.80	9.94	9.18	91.4	
P4258-01	Chamberlain Ave	17	1.17	8.57	9.74	8.54	86.0	
P4258-03	Chamberlain Ave	18	1.17	8.57	9.74	8.54	86.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VJ 132680

WorkList Name : %100124 **WorkList ID :** 183974 **Department :** Wet-Chemistry **Date :** 10-01-2024 08:04:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-01	TP-Q	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4242-02	TP-Q-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4242-03	TP-Q-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4249-01	RV-25(4-4.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-02	RV-26(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-03	RV-27(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-04	RV-28(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4254-01	MH-147-SLUDGE	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4254-02	MH-147-SLUDGE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4254-03	MH-147-SLUDGE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4255-01	OR-03-100124	Solid	Percent Solids	Cool 4 deg C	PSEG05	J51	10/01/2024	Chemtech -SO
P4255-02	OR-03-100124-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J51	10/01/2024	Chemtech -SO
P4256-01	585	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4256-02	31480	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4257-01	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4257-02	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4258-01	Chamberlain Ave	Solid	Percent Solids	Cool 4 deg C	ROMA02	H11	10/01/2024	Chemtech -SO
P4258-03	Chamberlain Ave	Solid	Percent Solids	Cool 4 deg C	ROMA02	H51	10/01/2024	Chemtech -SO

Date/Time 10/01/24 15:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/01/24 17:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB163832

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/02/2024

Extraction Start Time : 08:30

Extraction End Date : 10/02/2024

Extraction End Time : 11:30

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23641
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	EP2539
Baked Na2SO4	N/A	EP2541
Sand	N/A	E2865
Hexane	N/A	E3805
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 Vial lot# 03-40 BTS721, P4256-01,02 Limited volume used as samples are Oily Debries.

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
10/2/24	RP/Ext. Lab	AJ/TEST PM Lab
11:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163832

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/02/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163832BL	ABLK832	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB163832BS	ALCS832	PCB	30.03	N/A	ritesh	Evelyn	10			2
P4242-01	TP-Q	PCB	30.04	N/A	ritesh	Evelyn	10	B		3
P4254-01	MH-147-SLUDGE	PCB	30.07	N/A	ritesh	Evelyn	10	B	Sludge	4
P4255-01	OR-03-100124	PCB	30.02	N/A	ritesh	Evelyn	10	E		5
P4255-01MS	OR-03-100124MS	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
P4255-01MSD	OR-03-100124MSD	PCB	30.01	N/A	ritesh	Evelyn	10	E		U5-1
P4256-01	585	PCB	5.04	N/A	ritesh	Evelyn	10	B	Oily Debris+Small Particles	2
P4256-02	31480	PCB	5.03	N/A	ritesh	Evelyn	10	B	Oily Debris	3
P4257-01	VNJ-240	PCB	30.06	N/A	ritesh	Evelyn	10	B		4
P4258-03	CHAMBERLAIN AVE	PCB	30.05	N/A	ritesh	Evelyn	10	B		5

* **Extracts relinguished on the same date as received.**

10/2/24

1638 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4242 **WorkList ID :** 184020 **Department :** Extraction **Date :** 10-02-2024 08:20:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-01	TP-Q	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4254-01	MH-147-SLUDGE	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4255-01	OR-03-100124	Solid	PCB	Cool 4 deg C	PSEG05	J51	10/01/2024	8082A
P4256-01	585	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4256-02	31480	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4257-01	VNJ-240	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4258-03	Chamberlain Ave	Solid	PCB	Cool 4 deg C	ROMA02	H51	10/01/2024	8082A

Date/Time 10/2/24 8:25
Raw Sample Received by: RJ (Ext 104)
Raw Sample Relinquished by: JD CSM)

Date/Time 10/2/24 8:55
Raw Sample Received by: JD CSM)
Raw Sample Relinquished by: RJ (Ext 104)

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4258 / P4261
QUOTE NO.
COC Number 2041986

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Roman E&G
ADDRESS: 14 Ogden St
CITY Newark STATE: NJ ZIP: 07104
ATTENTION: Sonny Puzzo
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT PROJECT INFORMATION

PROJECT NAME: Perth Amboy Watermain
PROJECT NO.: 24-651 LOCATION: Perth Amboy
PROJECT MANAGER: Mark Matthiess
e-mail: engineer@romaneg.com
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT BILLING INFORMATION

BILL TO: Roman E&G PO#: 24-651
ADDRESS: 14 Ogden St
CITY Newark STATE: NJ ZIP 07104
ATTENTION: Frank PHONE: 973-482-1123

DATA TURNAROUND INFORMATION

FAX (RUSH) 6 10/7 DAYS*
HARDCOPY (DATA PACKAGE): 6 10/7 DAYS*
EDD: 6 10/7 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT NJ-DEP-SRS

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Chamberlain Ave	S		X	10/1	11:45	1										
2.		S		X	10/1	11:45	1										
3.		S		X	10/1	11:45	1										
4.		S		X	10/1	11:45	1										
5.		S		X	10/1	11:45	1										
6.		S		X	10/1	11:45	1										
7.		S		X	10/1	11:45	1										
8.		S		X	10/1	11:45	1										
9.																	
10.																	

Comments: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Sonny Puzzo	10/1 12:54	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 22.1 °C
Comments: If Cm # (

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other ____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Test Group	Analyses	Matrix	Method
METALS-TAL	Mercury	Water	7470A
	TAL ICP Metals	Water	6010D
RCRA CHARACTERIS	Flash Point	Water	1010B
	pH	Water	9040C
	Reactive Cyanide	Water	9012B
	Reactive Sulfide	Water	9034
TCLP METALS	TCLP Extraction	Water	1311
	TCLP ICP Metals	Water	6010D
	TCLP Mercury	Water	7470A
GROWS Concrete	Ammonia	Solid	SM4500-NH3
	Chemical Oxygen Demar	Solid	SM5220 D
	Oil & Grease	Solid	1664A
	Paint Filter Test	Solid	9095B
	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	Total Solids	Solid	SM2540 B
	Total Volatile Solids	Solid	160.4
GROWS Concrete AS	ASTM Leachate/ Ammon	Solid	SM4500-NH3
	ASTM Leachate/COD	Solid	SM5220 D
	ASTM Leachate Extracti	Solid	ASTM
	ASTM Leachate/Oil & Gr	Solid	1664A
	ASTM Leachate/Total Sol	Solid	SM2540 B
GROWS Concrete-Wa	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260C
	TCLP ZHE Extraction	Solid	1311 ZHE
GROWS Soil	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	TCL Volatiles+10	Solid	8260D
GROWS Soil-Waste C	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260D
	TCLP ZHE Extraction	Solid	1311 ZHE

Seperate

Seperate

Grows Concrete

Grows Concrete ASTM

Grows Soil

Grows Soil - Waste Class

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

I8,A,001

Q1218,024
q863
rN
S5
D15
ZT
JF
O
R25,0
f100
N
GW0,0,102,121

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4258 ROMA02
Client Name : Roman E&G Corp
Client Contact : Mark Mattheiss
Invoice Name : Roman E&G Corp
Invoice Contact : Mark Mattheiss

Order Date : 10/1/2024 1:21:00 PM
Project Name : Perth Amboy
Receive DateTime : 10/1/2024 12:54:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : ~~Level 2~~ NJ Reduced
EDD Type : ~~Excel NJ~~ HAZ/Excel
Hard Copy Date :
Date Signoff : 10/1/2024 3:13:24 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
P4258-03	Chamberlain Ave	Solid	10/01/2024	11:45	VOC-TCLVOA-10	GROWS Soil	8260D	4 Bus. Days		
~~P4258-04~~	~~Chamberlain Ave~~	~~Solid~~	~~10/01/2024~~	~~11:45~~	~~TCLP VOA~~	~~ROWS Soil-Waste Cla~~	~~8260C~~	~~4 Bus. Days~~		

Relinquished By : [signature]
Date / Time : 10-2-24 8:03

Received By : [signature]
Date / Time : 10/02/24 8:03
Storage Area : VOA Refridgerator Room