

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 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

LAB CHRONICLE

OrderID:	P4663	OrderDate:	10/31/2024 3:05:00 PM
Client:	Union Paving & Construction Company	Project:	Rt. 10 Whippany
Contact:	Gregory Butler	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4663-02	TENNANT-PAD-2-3-ST OCKPILE	SOIL			10/31/24			10/31/24
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	
P4663-04	RES-BUILDING-PAD-N O-11	SOIL			10/31/24			10/31/24
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	
P4663-06	RES-BUILDING-PAD-N O-3	SOIL			10/31/24			10/31/24
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	
P4663-08	RES-BUILDING-PAD-N O-2	SOIL			10/31/24			10/31/24
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	



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

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P4663**

Client: **Union Paving & Construction Company**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP068343.D	PIBLK-PP068343.D	Tetrachloro-m-xylene	1	20	18.1	91		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.5	103		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.0	85		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.0	95		70 (60)	130 (140)
PB164590BL	PB164590BL	Tetrachloro-m-xylene	1	20	20.9	104		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.1	116		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.6	113		30 (32)	150 (175)
PB164590BS	PB164590BS	Tetrachloro-m-xylene	1	20	21.0	105		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.3	117		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.1	111		30 (32)	150 (175)
P4663-02	TENNANT-PAD-2-3-STOCKPILE	Tetrachloro-m-xylene	1	20	23.5	118		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.4	112		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
P4663-02MS	TENNANT-PAD-2-3-STOCKPILE	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.7	98		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.9	99		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	16.6	83		30 (32)	150 (175)
P4663-02MSD	TENNANT-PAD-2-3-STOCKPILE	Tetrachloro-m-xylene	1	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.2	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	16.5	82		30 (32)	150 (175)
P4663-04	RES-BUILDING-PAD-NO-11	Tetrachloro-m-xylene	1	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.8	99		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.0	90		30 (32)	150 (175)
P4663-06	RES-BUILDING-PAD-NO-3	Tetrachloro-m-xylene	1	20	22.5	113		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.7	99		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.2	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.1	90		30 (32)	150 (175)
P4663-08	RES-BUILDING-PAD-NO-2	Tetrachloro-m-xylene	1	20	18.5	92		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.9	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.2	86		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.5	78		30 (32)	150 (175)
I.BLK-PP068358.D	PIBLK-PP068358.D	Tetrachloro-m-xylene	1	20	19.1	95		70 (60)	130 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP068358.D	PIBLK-PP068358.D	Decachlorobiphenyl	1	20	18.9	95		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.1	86		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.0	90		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8082A

DataFile : PP068349.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILEMS											
P4663-02MS	AR1016	183	0	177	ug/kg	97					40 (55)	140 (146)
	AR1260	183	0	145	ug/kg	79					40 (45)	140 (144)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8082A

DataFile : PP068350.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILEMSD											
P4663-02MSD	AR1016	183	0	178	ug/kg	97		0		40 (55)	140 (146)	30 (20)
	AR1260	183	0	146	ug/kg	80		1		40 (45)	140 (144)	30 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: **8082A** **Datafile :** PP068345.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164590BS	AR1016	166.5	157	ug/kg	94				40 (71)	140 (120)	
	AR1260	166.5	143	ug/kg	86				40 (65)	140 (130)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164590BL

Lab Name: CHEMTECH

Contract: UNIO02

Lab Code: CHEM Case No.: P4663

SAS No.: P4663 SDG NO.: P4663

Lab Sample ID: PB164590BL

Lab File ID: PP068344.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/01/2024

Date Analyzed (1): 11/01/2024

Date Analyzed (2): 11/01/2024

Time Analyzed (1): 14:55

Time Analyzed (2): 14:55

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
PB164590BS	PB164590BS	PP068345.D	11/01/2024	11/01/2024
TENNANT-PAD-2-3-STOCKPILE	P4663-02	PP068348.D	11/01/2024	11/01/2024
TENNANT-PAD-2-3-STOCKPILEMS	P4663-02MS	PP068349.D	11/01/2024	11/01/2024
TENNANT-PAD-2-3-STOCKPILEMSD	P4663-02MSD	PP068350.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-11	P4663-04	PP068351.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-3	P4663-06	PP068352.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-2	P4663-08	PP068353.D	11/01/2024	11/01/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILE	SDG No.:	P4663
Lab Sample ID:	P4663-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068348.D	1	11/01/24 09:09	11/01/24 16:00	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		30 (32) - 150 (144)	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		30 (32) - 150 (175)	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068348.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 16:00
 Operator : YP\AJ
 Sample : P4663-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TENNANT-PAD-2-3-STOCKPILE

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:46:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.053	21789176	22000563	23.540	21.774
2) SA Decachlor...	10.676	9.212	25765846	20892496	22.380	18.630

Target Compounds

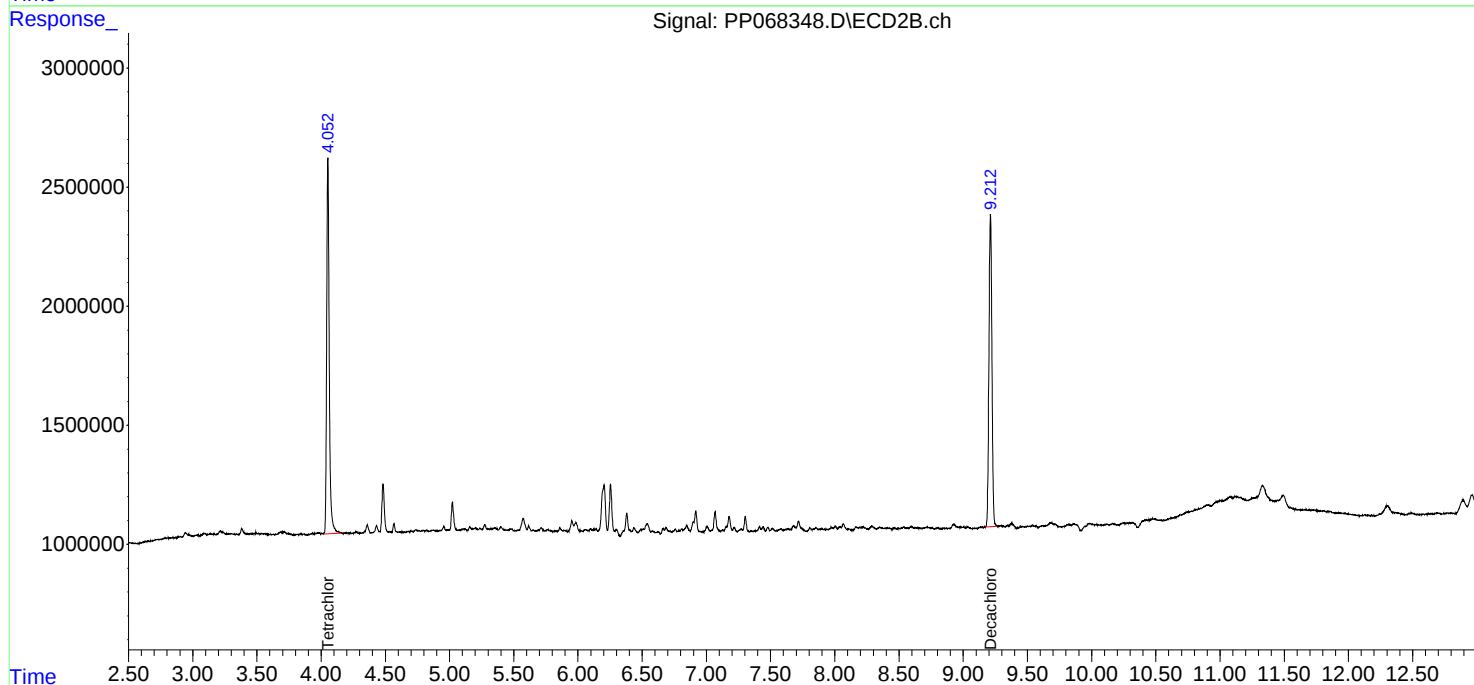
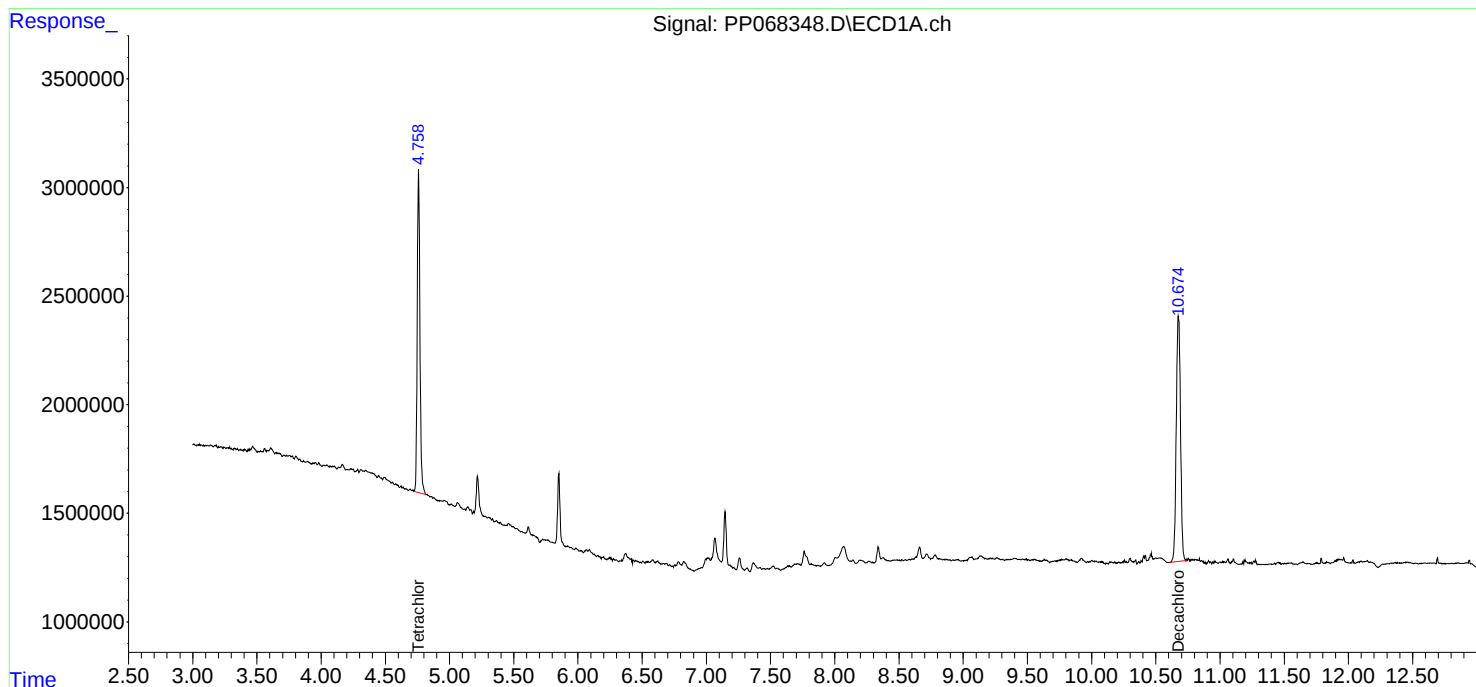
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

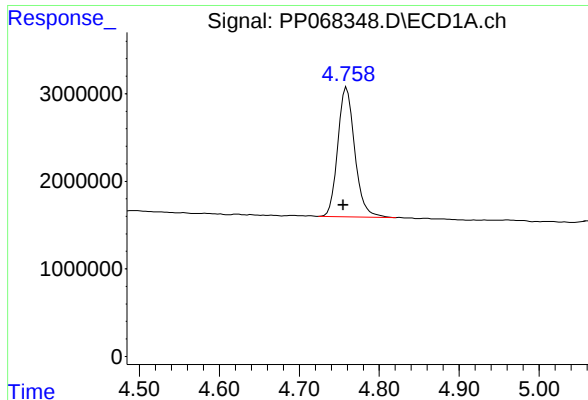
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:00
Operator : YP\AJ
Sample : P4663-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:46:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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

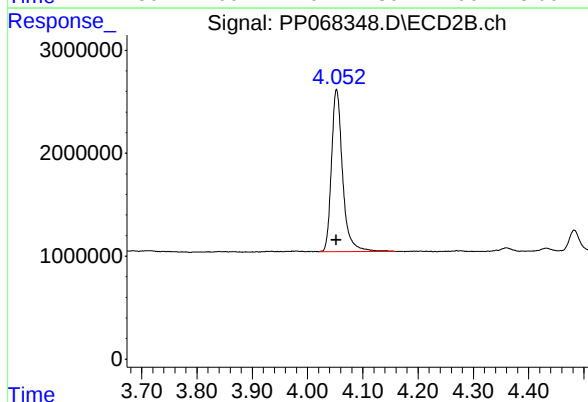




#1 Tetrachloro-m-xylene

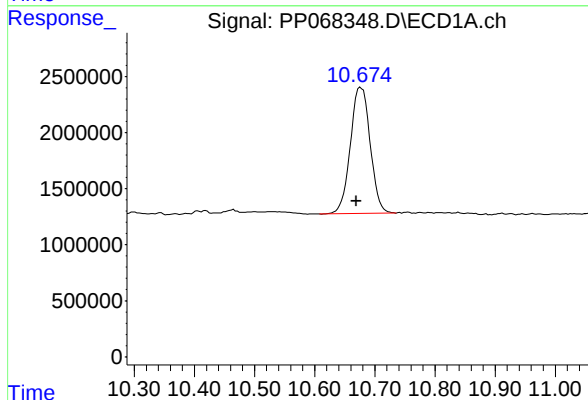
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 21789176
Conc: 23.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILE



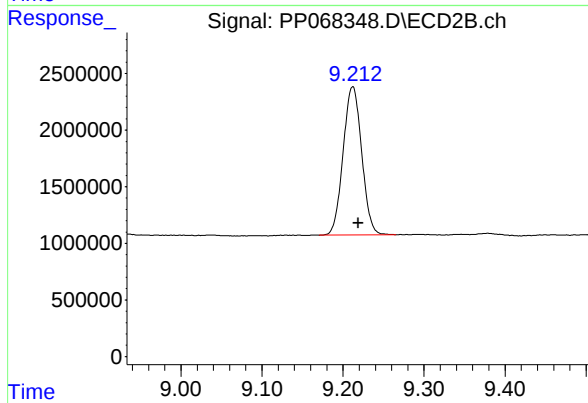
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 22000563
Conc: 21.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.676 min
Delta R.T.: 0.007 min
Response: 25765846
Conc: 22.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.212 min
Delta R.T.: -0.007 min
Response: 20892496
Conc: 18.63 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-11	SDG No.:	P4663
Lab Sample ID:	P4663-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068351.D	1	11/01/24 09:09	11/01/24 16:50	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.5	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.5	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.5	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.5	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.5	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.5	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.5	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.5	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		30 (32) - 150 (144)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		30 (32) - 150 (175)	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:50
Operator : YP\AJ
Sample : P4663-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-11

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:48:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.761	4.052	21075396	21473499	22.768	21.252
2) SA Decachlor...	10.677	9.211	22845042	20225062	19.843	18.035

Target Compounds

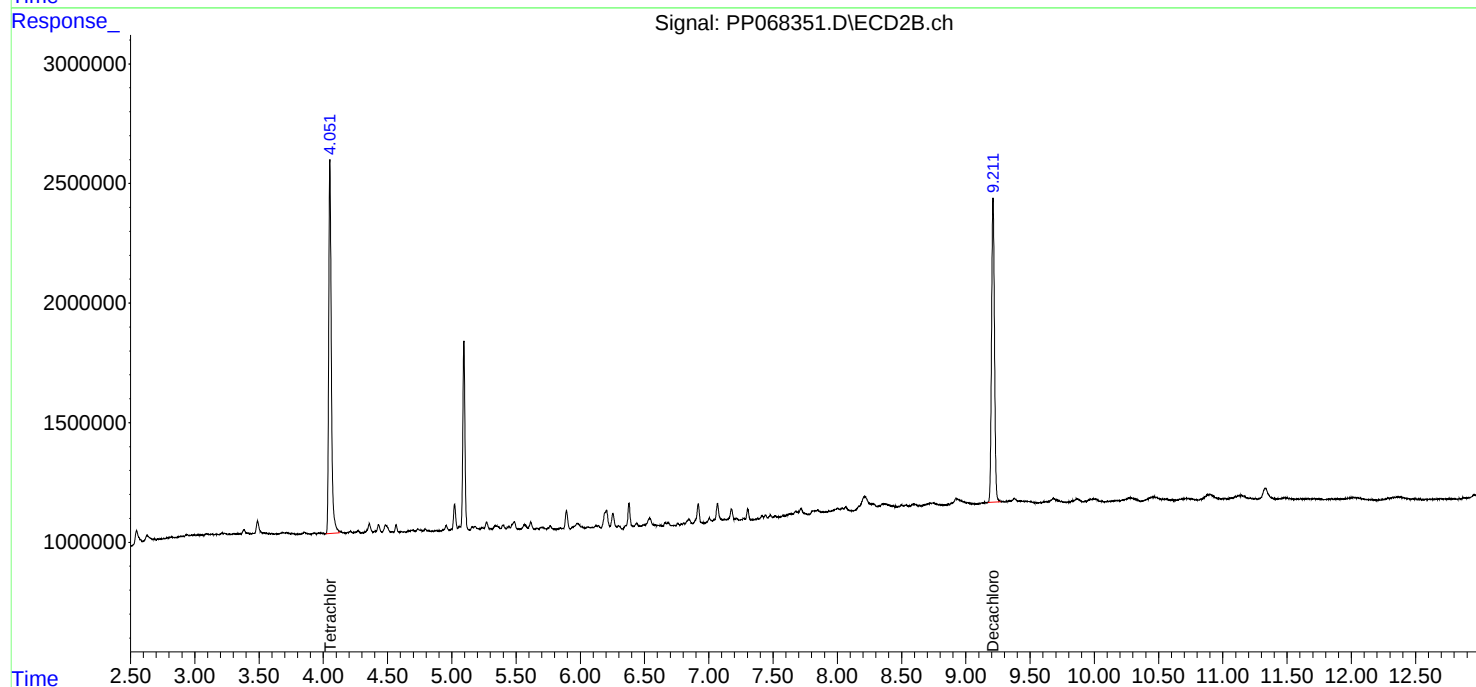
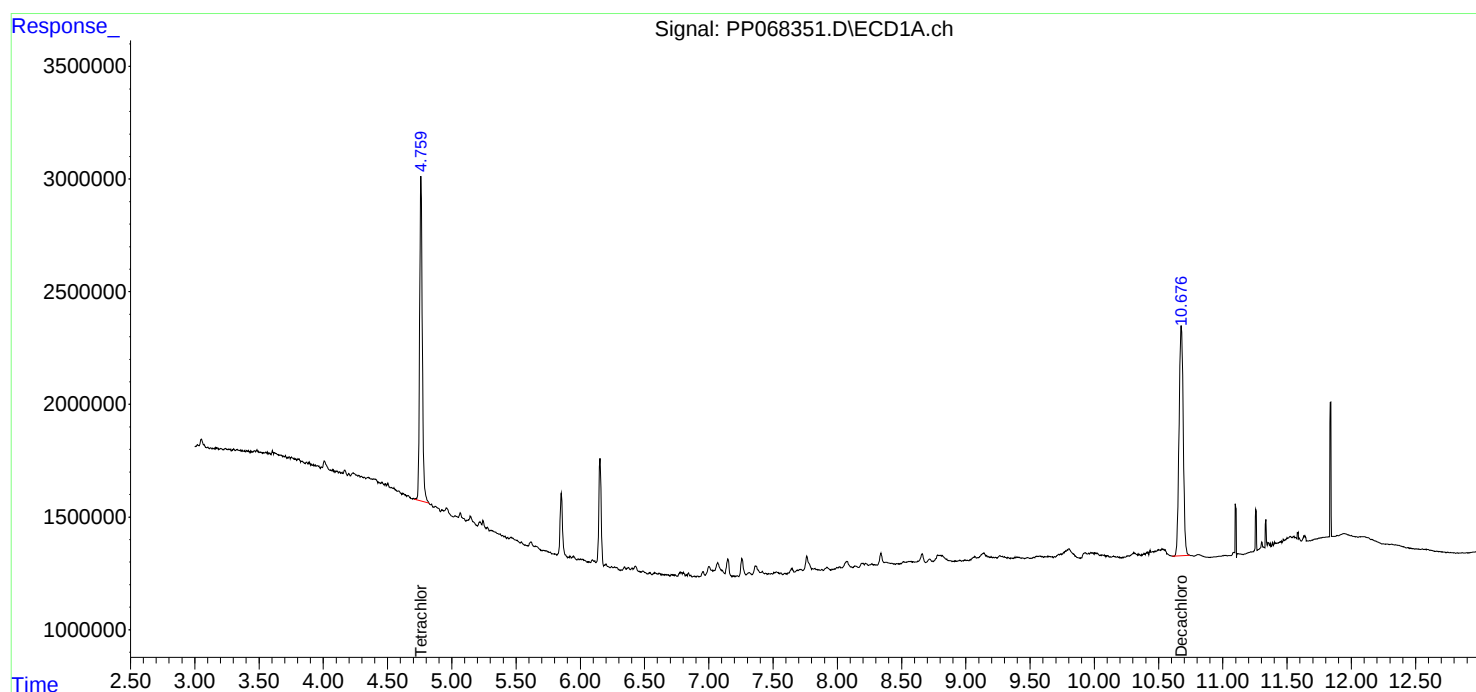
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

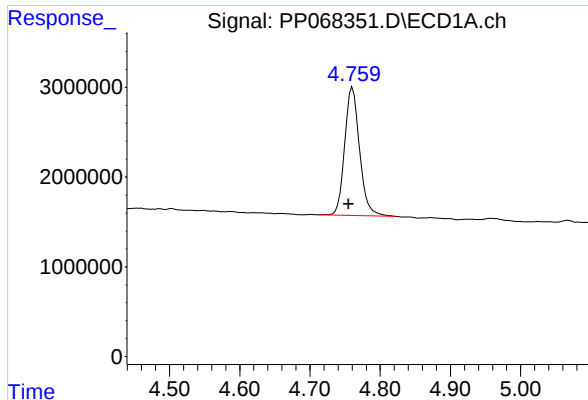
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:50
Operator : YP\AJ
Sample : P4663-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-11

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:48:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

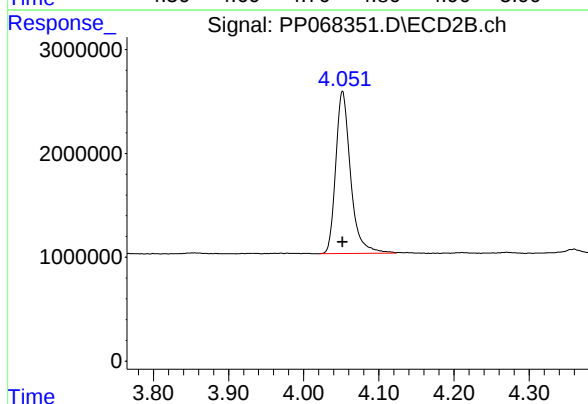




#1 Tetrachloro-m-xylene

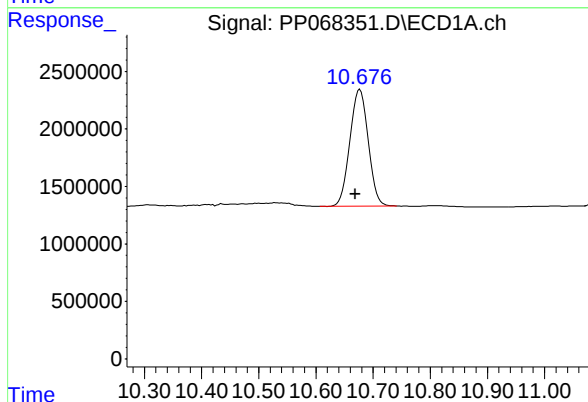
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 21075396
Conc: 22.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-11



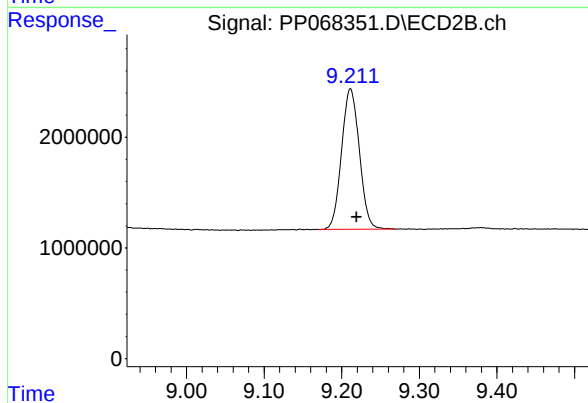
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 21473499
Conc: 21.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 22845042
Conc: 19.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 20225062
Conc: 18.03 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-3	SDG No.:	P4663
Lab Sample ID:	P4663-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068352.D	1	11/01/24 09:09	11/01/24 17:06	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.6	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		30 (32) - 150 (144)	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		30 (32) - 150 (175)	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068352.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 17:06
 Operator : YP\AJ
 Sample : P4663-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 RES-BUILDING-PAD-NO-3

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:49:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.758	4.051	20858721	21398263	22.534	21.178
2) SA Decachlor...	10.673	9.210	22685454	20267280	19.704	18.072

Target Compounds

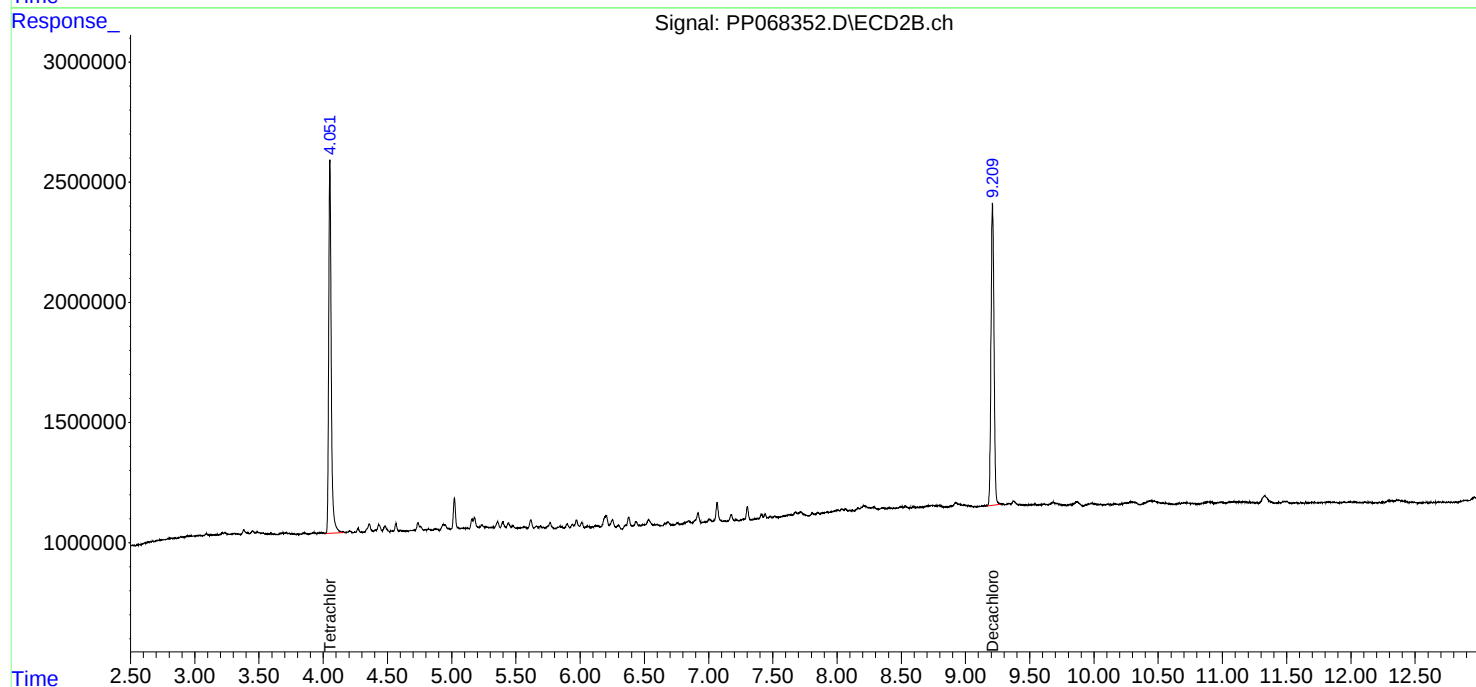
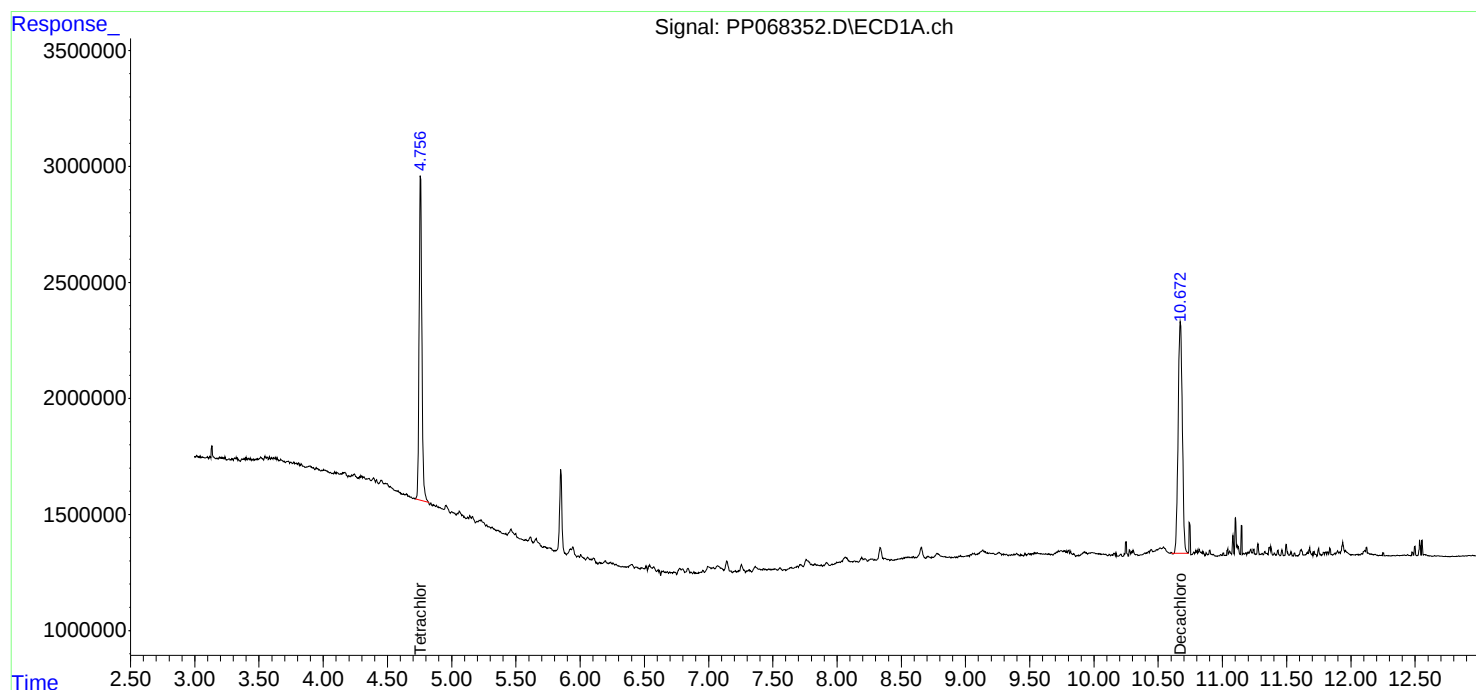
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

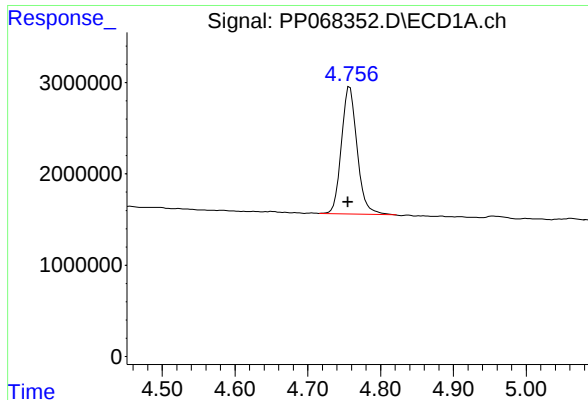
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:06
Operator : YP\AJ
Sample : P4663-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:49:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

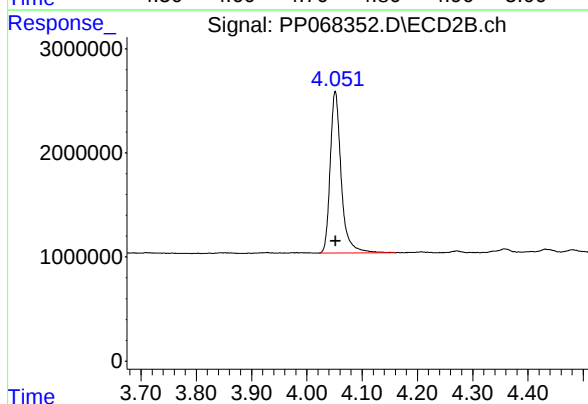




#1 Tetrachloro-m-xylene

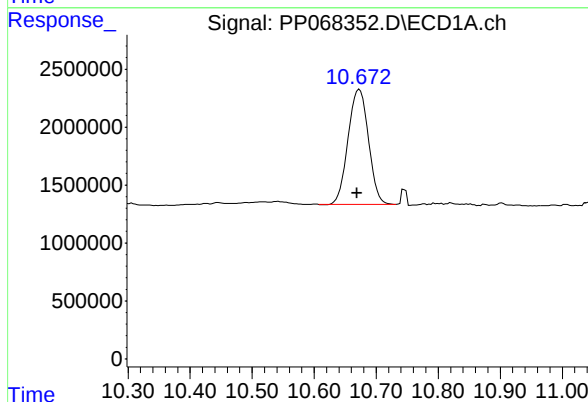
R.T.: 4.758 min
Delta R.T.: 0.003 min
Response: 20858721
Conc: 22.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-3



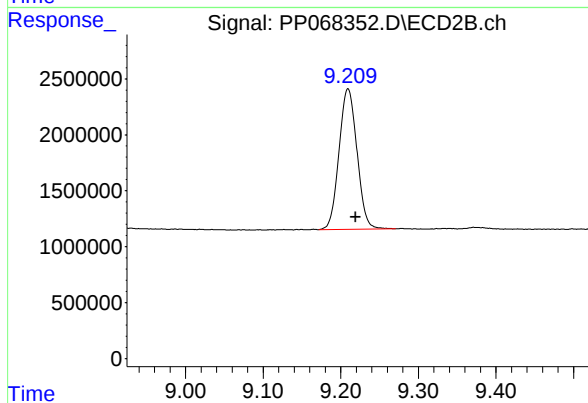
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 21398263
Conc: 21.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 22685454
Conc: 19.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.010 min
Response: 20267280
Conc: 18.07 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2	SDG No.:	P4663
Lab Sample ID:	P4663-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068353.D	1	11/01/24 09:09	11/01/24 17:22	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.6	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		30 (32) - 150 (144)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		30 (32) - 150 (175)	85%	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\PP110124\
 Data File : PP068353.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 17:22
 Operator : YP\AJ
 Sample : P4663-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 RES-BUILDING-PAD-NO-2

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:49:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.762	4.051	17086856	17374001	18.459	17.195
2) SA Decachlor...	10.677	9.209	19475197	17428494	16.916	15.541

Target Compounds

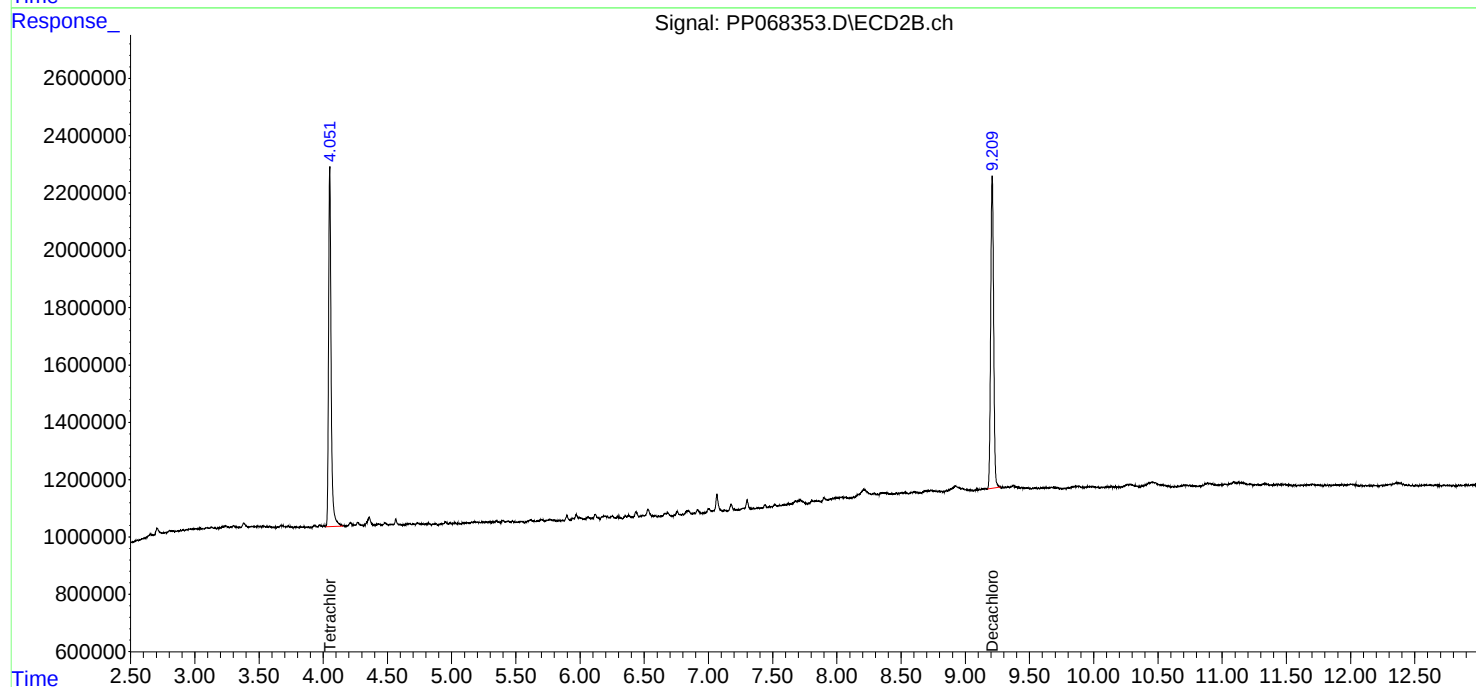
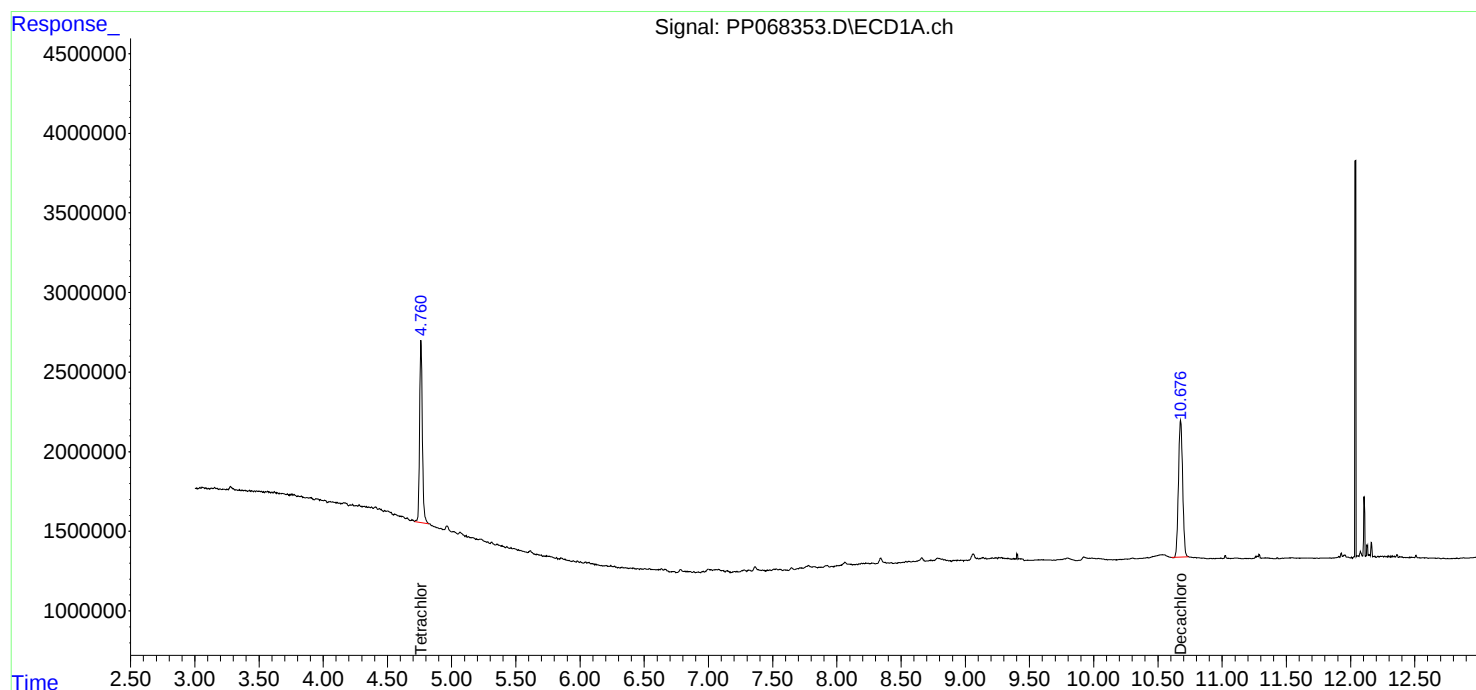
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

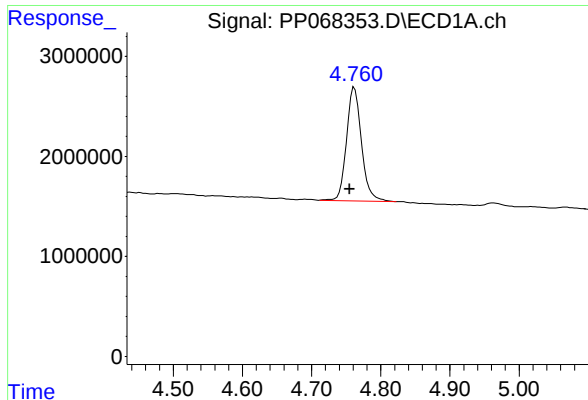
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:22
Operator : YP\AJ
Sample : P4663-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:49:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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

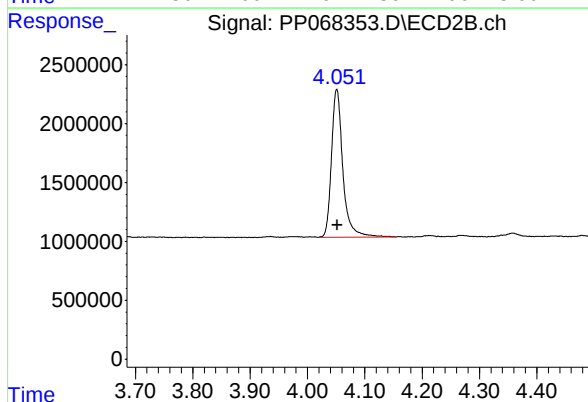




#1 Tetrachloro-m-xylene

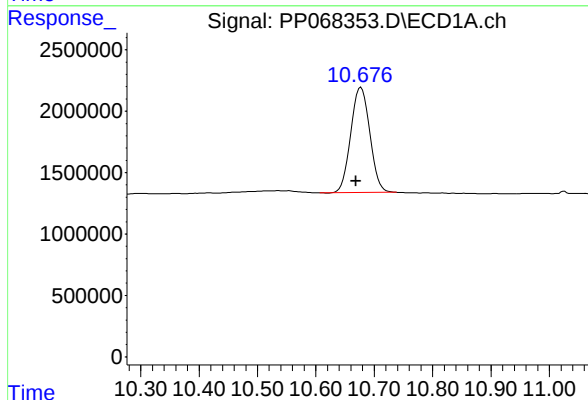
R.T.: 4.762 min
Delta R.T.: 0.007 min
Response: 17086856
Conc: 18.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
RES-BUILDING-PAD-NO-2



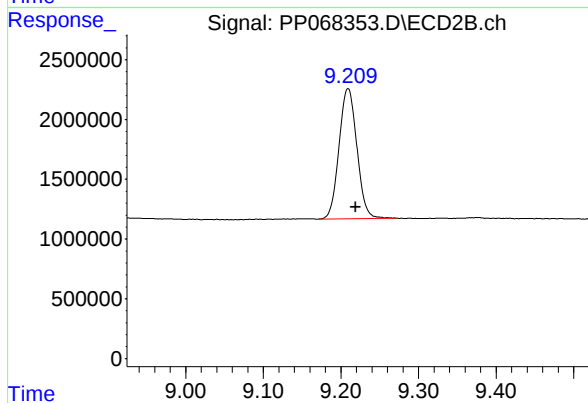
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 17374001
Conc: 17.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 19475197
Conc: 16.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 17428494
Conc: 15.54 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: UNIO02
Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663
Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024
Calibration Times: 16:30 23:46

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

LAB FILE ID:	RT 1000 = <u>PP067587.D</u>	RT 750 = <u>PP067588.D</u>
RT 500 = <u>PP067589.D</u>	RT 250 = <u>PP067590.D</u>	RT 050 = <u>PP067591.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	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	5.36	5.36	5.36	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)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	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)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
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)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
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)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
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	9.22	9.22	9.22	9.22	9.22	9.12	9.32
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	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
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)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: UNIO02
Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663
Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024
Calibration Times: 16:30 23:46

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

LAB FILE ID:		CF 1000 = <u>PP067587.D</u>		CF 750 = <u>PP067588.D</u>			
CF 500 = <u>PP067589.D</u>		CF 250 = <u>PP067590.D</u>		CF 050 = <u>PP067591.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	31263736	32233361	34196172	36221284	31418860	33066683
Aroclor-1016-2	(2)	45702590	47619661	49829602	53216480	47485960	48770859
Aroclor-1016-3	(3)	29655293	30980703	32521866	34545868	29856000	31511946
Aroclor-1016-4	(4)	24305642	24965132	26130902	27480568	25835960	25743641
Aroclor-1016-5	(5)	25253642	26507995	28106138	29556500	25910240	27066903
Aroclor-1260-1	(1)	48881600	51062627	53497292	60189956	56487000	54023695
Aroclor-1260-2	(2)	57303356	59473712	62743556	68896016	67937280	63270784
Aroclor-1260-3	(3)	47767972	49860571	52672962	57075820	51866880	51848841
Aroclor-1260-4	(4)	55679811	58146343	61152700	66302976	59690240	60194414
Aroclor-1260-5	(5)	101142428	103711039	108382514	116162164	109162380	107712105
Decachlorobiphenyl		1047572970	1092521333	1163088620	1272493760	1180845600	1151304457
Tetrachloro-m-xylene		918389550	937648760	969374660	977965440	824831600	925642002
Aroclor-1242-1	(1)	26136486	27020177	28880182	30131840	27517000	27937137
Aroclor-1242-2	(2)	37560737	39520053	41823206	43424048	40845460	40634701
Aroclor-1242-3	(3)	24775066	25964975	27626992	28013716	28443000	26964750
Aroclor-1242-4	(4)	19919938	20877219	22020082	22198916	22236220	21450475
Aroclor-1242-5	(5)	22664411	23310707	24494326	25449828	24710200	24125894
Decachlorobiphenyl		1049846500	1096431853	1183590260	1273416280	1210794800	1162815939
Tetrachloro-m-xylene		918045770	945319107	991838280	988565840	844744200	937702639
Aroclor-1248-1	(1)	19592099	21187299	21900336	23649416	20785280	21422886
Aroclor-1248-2	(2)	29912773	32262593	34275072	36926580	34706360	33616676
Aroclor-1248-3	(3)	33038688	35344895	37623064	40558304	36562360	36625462
Aroclor-1248-4	(4)	36925252	39416441	41800322	44728924	39382640	40450716
Aroclor-1248-5	(5)	36740691	38953265	40984016	43781648	37845340	39660992
Decachlorobiphenyl		1055450820	1109667187	1169649200	1282118000	1302489400	1183874921
Tetrachloro-m-xylene		902146960	926581653	953867240	992359080	895156800	934022347
Aroclor-1254-1	(1)	40350769	42082559	45284156	48868552	47326420	44782491
Aroclor-1254-2	(2)	59814731	62129524	65787698	71625140	71131660	66097751
Aroclor-1254-3	(3)	64043672	65831181	69388346	74782692	73217700	69452718
Aroclor-1254-4	(4)	45989306	47460167	50157578	54420004	51495700	49904551
Aroclor-1254-5	(5)	54192853	57072867	59852552	64108404	61236860	59292707
Decachlorobiphenyl		1068499200	1106116080	1182150460	1298012320	1262855400	1183526692
Tetrachloro-m-xylene		931363580	935898013	956149560	989159640	878805200	938275199
Aroclor-1268-1	(1)	139515419	144470283	150997662	162718796	165540620	152648556



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	125679796	130088461	136577130	145743784	144888120	136595458	6
Aroclor-1268-3	(3)	110668977	116741077	119635012	130534268	127010440	120917955	7
Aroclor-1268-4	(4)	48063749	49890017	52720184	55641072	47784700	50819944	7
Aroclor-1268-5	(5)	348373365	356693093	372169718	389623012	400486540	373469146	6
Decachlorobiphenyl		1758376420	1827520213	1952930880	2093924120	2163079000	1959166127	9
Tetrachloro-m-xylene		908125750	922962547	955684560	986676760	888810200	932451963	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: UNIO02
Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663
Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024
Calibration Times: 16:30 23:46

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

LAB FILE ID:		CF 1000 = <u>PP067587.D</u>		CF 750 = <u>PP067588.D</u>			
CF 500 = <u>PP067589.D</u>		CF 250 = <u>PP067590.D</u>		CF 050 = <u>PP067591.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	32214100	33511487	34894776	37855020	36460880	34987253
Aroclor-1016-2	(2)	45072170	46943971	48711842	52177748	47937020	48168550
Aroclor-1016-3	(3)	25675074	27277663	27567444	28514452	25652840	26937495
Aroclor-1016-4	(4)	22207756	23688287	24482426	25758704	24288360	24085107
Aroclor-1016-5	(5)	28303958	30184395	30998408	32062244	30500300	30409861
Aroclor-1260-1	(1)	51490839	53867885	56846930	62693500	59910740	56961979
Aroclor-1260-2	(2)	60685581	63183867	66653346	73175968	69823160	66704384
Aroclor-1260-3	(3)	58195863	60818087	64471984	69084640	65935040	63701123
Aroclor-1260-4	(4)	51141777	52463477	55669740	60213672	56975040	55292741
Aroclor-1260-5	(5)	115751172	117431688	122205526	128041940	128062520	122298569
Decachlorobiphenyl		1016699470	1064912133	1114817860	1215156720	1195705800	1121458397
Tetrachloro-m-xylene		976302160	1002778080	1038188640	1086259240	948485600	1010402744
Aroclor-1242-1	(1)	26643227	27902807	30082486	31864192	28889440	29076430
Aroclor-1242-2	(2)	37173910	38324184	40855302	43058560	41326680	40147727
Aroclor-1242-3	(3)	21209836	21846417	23389330	23608008	22421520	22495022
Aroclor-1242-4	(4)	21894421	22781385	24633780	25302636	24076280	23737700
Aroclor-1242-5	(5)	25904963	27452171	28860038	30792124	30238540	28649567
Decachlorobiphenyl		1030873660	1074484253	1144199140	1227463640	1208383800	1137080899
Tetrachloro-m-xylene		979317100	1008877893	1048426020	1079705600	995407400	1022346803
Aroclor-1248-1	(1)	20323070	21892911	22863994	24075660	24163260	22663779
Aroclor-1248-2	(2)	29599820	31598663	33173378	36121664	34985540	33095813
Aroclor-1248-3	(3)	31098926	33116664	34686272	37576628	35894680	34474634
Aroclor-1248-4	(4)	36529837	38774123	40329020	44225180	44921420	40955916
Aroclor-1248-5	(5)	34201195	35911461	37616042	40473884	39013140	37443144
Decachlorobiphenyl		1032353410	1073137907	1131465640	1215505400	1241215600	1138735591
Tetrachloro-m-xylene		952656120	994994613	1000591240	1068188360	991037600	1001493587
Aroclor-1254-1	(1)	53478224	54895953	58959138	64085456	64000720	59083898
Aroclor-1254-2	(2)	47135286	48672312	52146652	56922440	57444240	52464186
Aroclor-1254-3	(3)	76675976	78569371	83205416	89086976	88502520	83208052
Aroclor-1254-4	(4)	44235570	45939643	48363680	51938700	50893660	48274251
Aroclor-1254-5	(5)	68142947	70671431	73760414	78813244	76368180	73551243
Decachlorobiphenyl		1041164600	1082182560	1142537200	1244245720	1270180600	1156062136
Tetrachloro-m-xylene		969890570	991360533	1038975520	1064707400	994465600	1011879925
Aroclor-1268-1	(1)	146986557	151844596	158019168	168079912	170778780	159141803



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	133073925	137248829	142523422	151222024	151862520	143186144	6
Aroclor-1268-3	(3)	117364027	121504320	126517254	135757020	136405580	127509640	7
Aroclor-1268-4	(4)	51956547	53952379	54797154	61002600	60671520	56476040	7
Aroclor-1268-5	(5)	359344903	364434196	374618632	391618688	400161860	378035656	5
Decachlorobiphenyl		1755186720	1802467867	1889666160	2047579480	2153015200	1929583085	9
Tetrachloro-m-xylene		970169850	991215560	1007059780	1064676080	979052800	1002434814	4



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Instrument ID: ECD_P Date(s) Analyzed: 10/08/2024 10/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.96	4.86	5.06	12809900
		2	5.04	4.94	5.14	9460580
		3	5.12	5.02	5.22	28907800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	22859800
		2	5.65	5.55	5.75	11783000
		3	5.94	5.84	6.04	22275000
		4	6.10	6.00	6.20	11287400
		5	6.19	6.09	6.29	9120180
Aroclor-1262	500	1	8.37	8.27	8.47	71771400
		2	8.71	8.61	8.81	121580000
		3	9.05	8.95	9.15	88514200
		4	9.14	9.04	9.24	69944800
		5	9.84	9.74	9.94	46791200



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Instrument ID: ECD_P Date(s) Analyzed: 10/08/2024 10/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.27	4.17	4.37	13170200
		2	4.36	4.26	4.46	9961240
		3	4.43	4.33	4.53	31131200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	24333000
		2	5.18	5.08	5.28	22365000
		3	5.36	5.26	5.46	11943800
		4	5.45	5.35	5.55	11531400
		5	5.62	5.52	5.72	13450300
Aroclor-1262	500	1	7.22	7.12	7.32	78673400
		2	7.48	7.38	7.58	70962000
		3	8.01	7.91	8.11	57099400
		4	8.07	7.97	8.17	100436000
		5	8.60	8.50	8.70	50017800

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067587.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 16:30
 Operator : YP\AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 17:39:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 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	4.052	91838955	97630216	97.299	96.928
2) SA Decachlor...	10.665	9.219	104.8E6	101.7E6	94.775	95.397
Target Compounds						
3) L1 AR-1016-1	5.918	5.161	31263736	32214100	955.203	960.055
4) L1 AR-1016-2	5.941	5.181	45702590	45072170	956.800	961.191
5) L1 AR-1016-3	6.004	5.362	29655293	25675074	953.897	964.458
6) L1 AR-1016-4	6.102	5.401	24305642	22207756	963.811	951.282
7) L1 AR-1016-5	6.397	5.620	25253642	28303958	946.542	954.564
31) L7 AR-1260-1	7.520	6.664	48881600	51490839	954.916	950.561
32) L7 AR-1260-2	7.773	6.851	57303356	60685581	954.683	953.135
33) L7 AR-1260-3	8.134	7.009	47767972	58195863	951.165	948.836
34) L7 AR-1260-4	8.373	7.484	55679811	51141777	953.156	957.608
35) L7 AR-1260-5	8.709	7.722	101.1E6	115.8E6	965.445	972.876

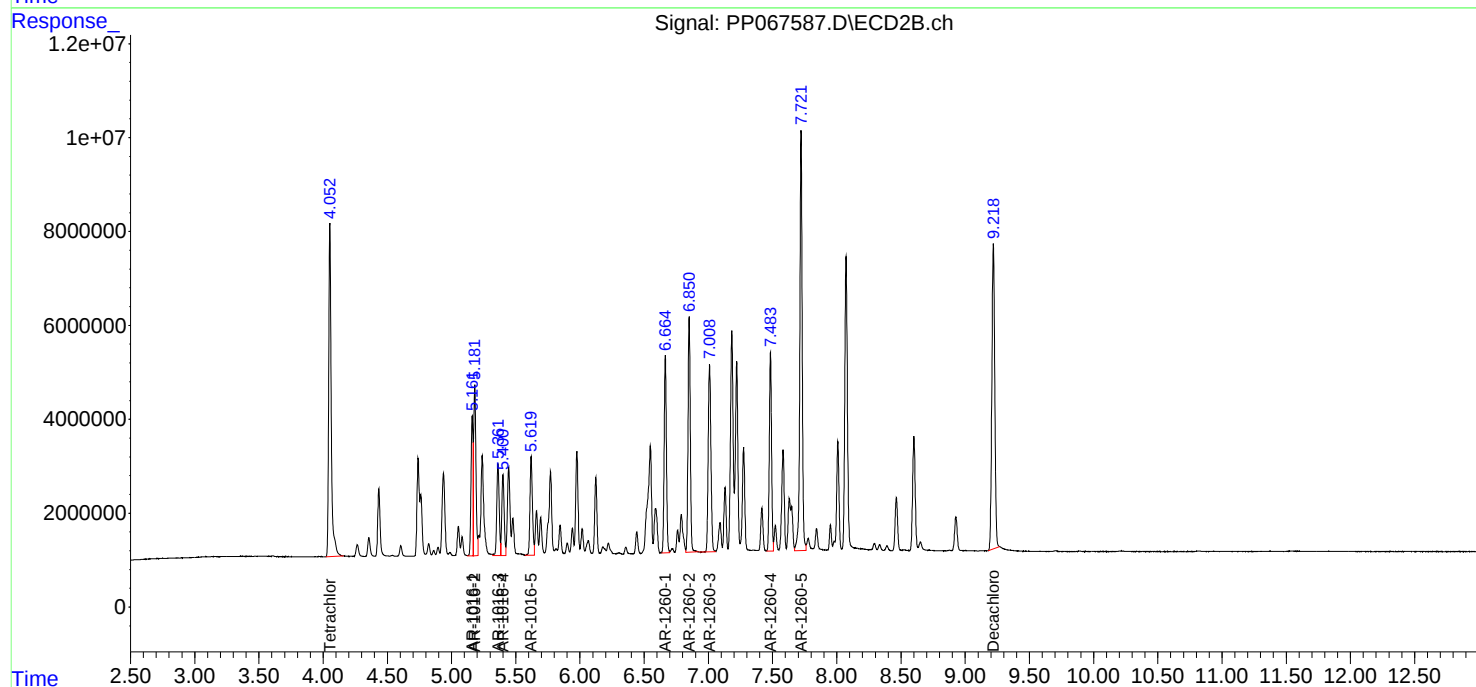
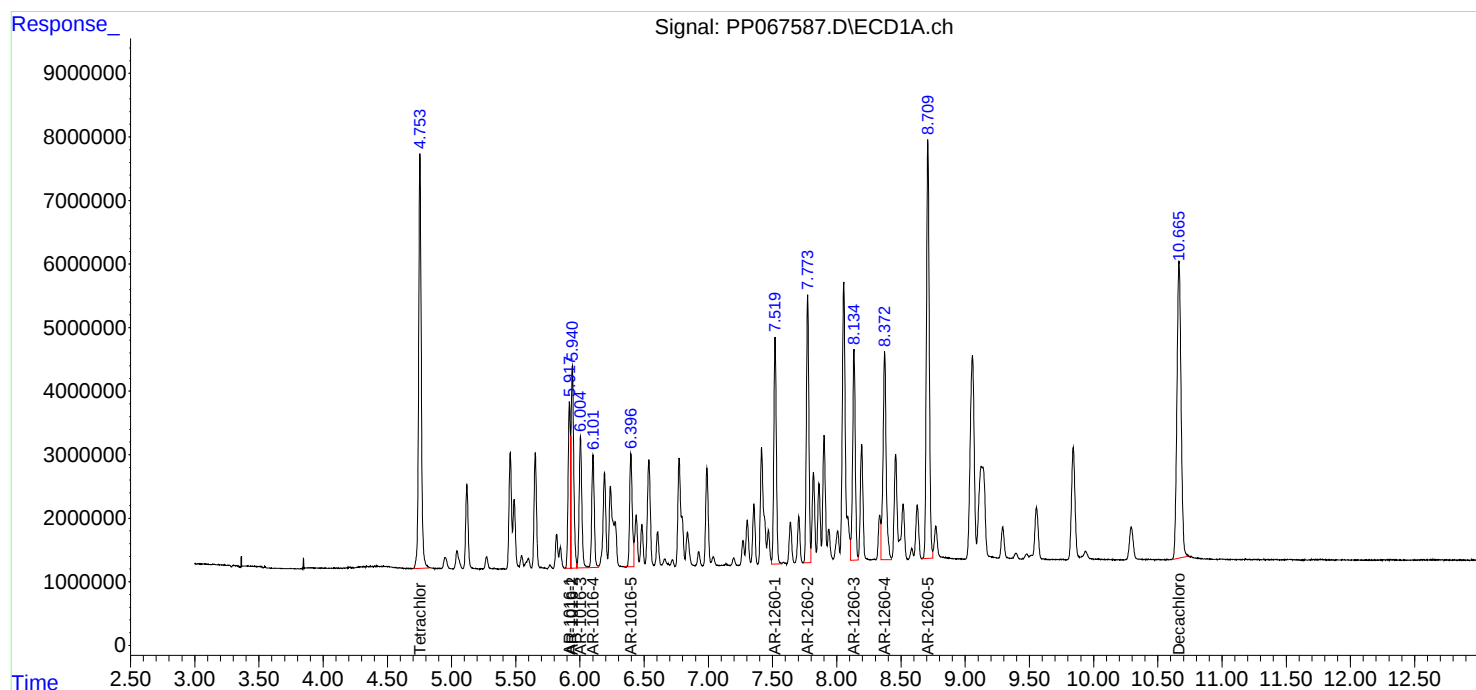
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 16:46
 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: Oct 08 17:42:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 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	4.052	70323657	75208356	74.669	74.778
2) SA Decachlor...	10.667	9.219	81939100	79868410	74.418	74.960
Target Compounds						
3) L1 AR-1016-1	5.918	5.160	24175021	25133615	742.375	749.360
4) L1 AR-1016-2	5.940	5.181	35714746	35207978	748.466	750.554
5) L1 AR-1016-3	6.004	5.362	23235527	20458247	748.263	762.228
6) L1 AR-1016-4	6.102	5.401	18723849	17766215	744.964	757.315
7) L1 AR-1016-5	6.397	5.620	19880996	22638296	746.772	758.938
31) L7 AR-1260-1	7.520	6.664	38296970	40400914	748.760	747.217
32) L7 AR-1260-2	7.773	6.851	44605284	47387900	745.407	746.177
33) L7 AR-1260-3	8.135	7.009	37395428	45613565	746.408	745.783
34) L7 AR-1260-4	8.373	7.484	43609757	39347608	747.686	741.126
35) L7 AR-1260-5	8.710	7.722	77783279	88073766	744.965	743.472

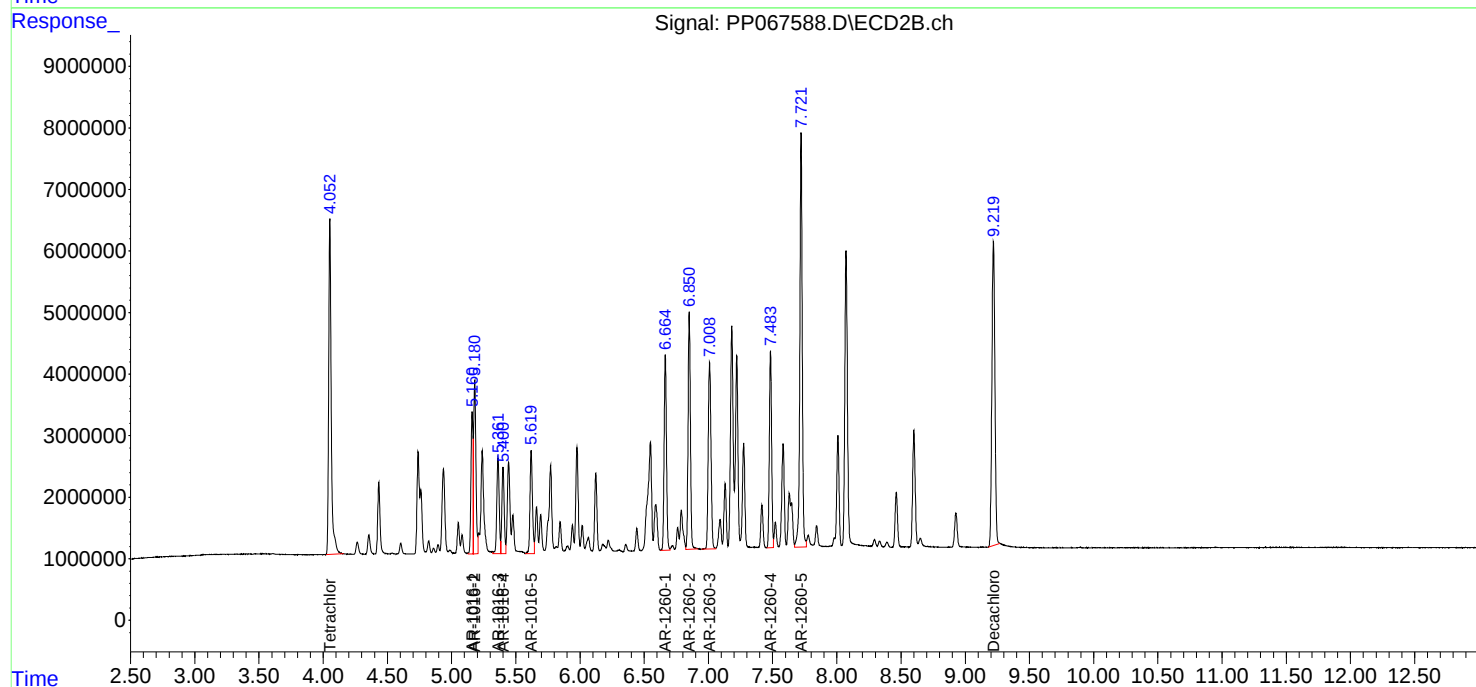
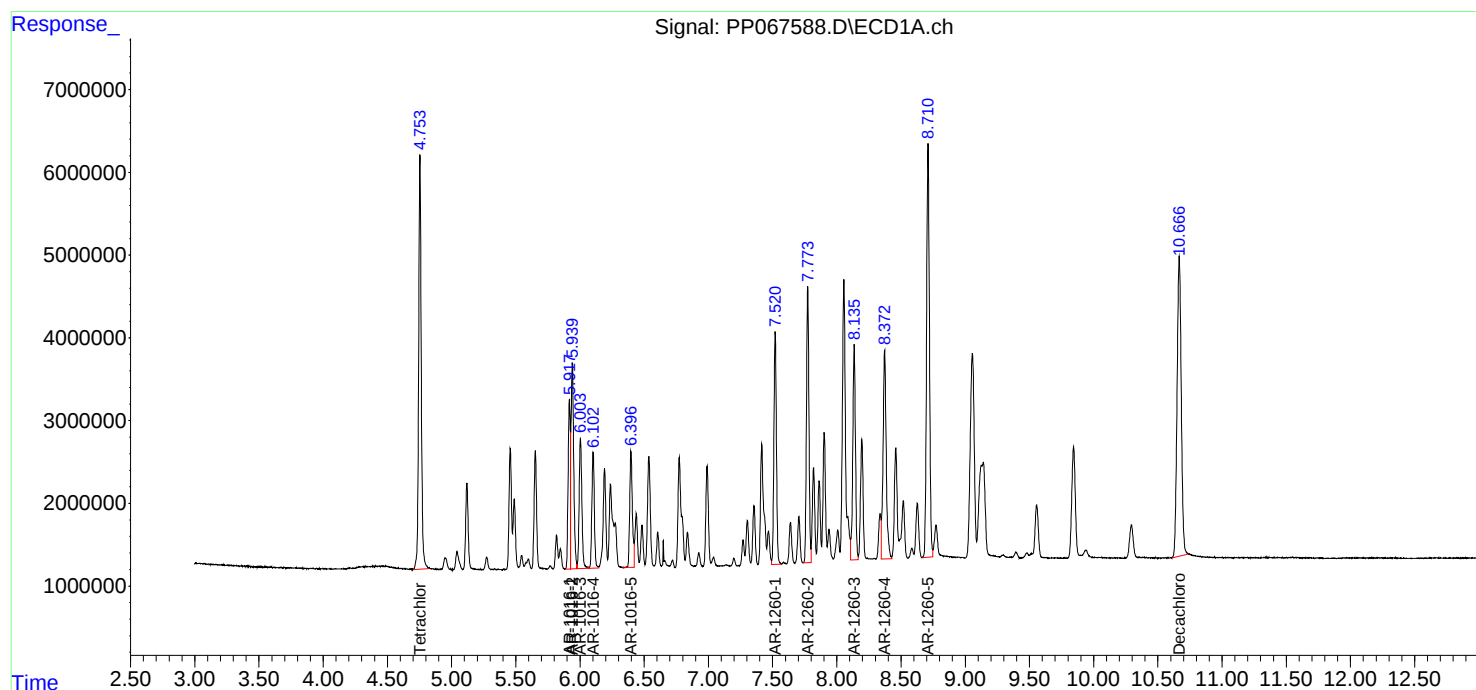
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
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: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067589.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 17:02
 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: Oct 08 17:35:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 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...	4.755	4.052	48468733	51909432	50.000	50.000
2) SA Decachlor...	10.669	9.219	58154431	55740893	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.919	5.161	17098086	17447388	500.000	500.000
4) L1 AR-1016-2	5.942	5.181	24914801	24355921	500.000	500.000
5) L1 AR-1016-3	6.005	5.362	16260933	13783722	500.000	500.000
6) L1 AR-1016-4	6.103	5.401	13065451	12241213	500.000	500.000
7) L1 AR-1016-5	6.398	5.620	14053069	15499204	500.000	500.000
31) L7 AR-1260-1	7.522	6.664	26748646	28423465	500.000	500.000
32) L7 AR-1260-2	7.775	6.850	31371778	33326673	500.000	500.000
33) L7 AR-1260-3	8.137	7.008	26336481	32235992	500.000	500.000
34) L7 AR-1260-4	8.375	7.483	30576350	27834870	500.000	500.000
35) L7 AR-1260-5	8.712	7.722	54191257	61102763	500.000	500.000

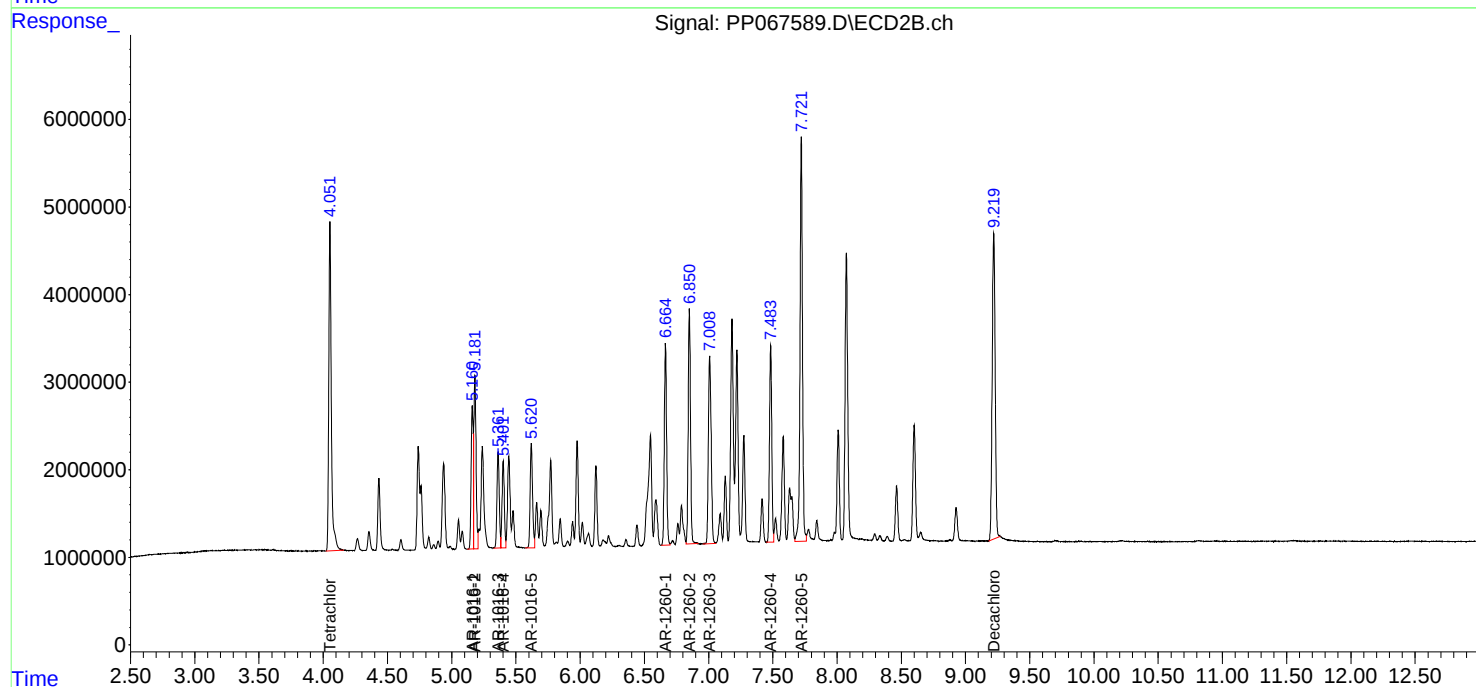
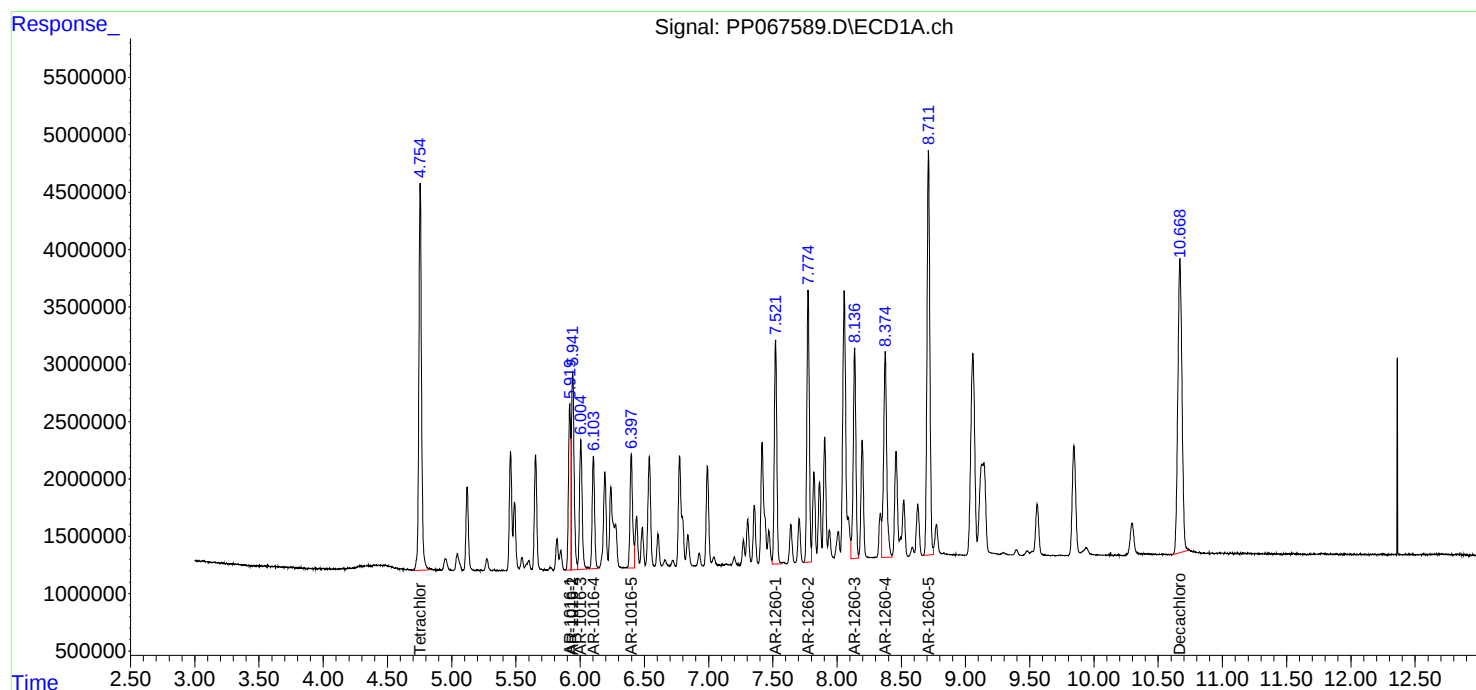
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
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: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 17:19
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 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 08 17:44:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 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	4.052	24449136	27156481	25.713	26.471
2) SA Decachlor...	10.667	9.219	31812344	30378918	27.810	27.545
Target Compounds						
3) L1 AR-1016-1	5.918	5.161	9055321	9463755	270.481	273.370
4) L1 AR-1016-2	5.940	5.181	13304120	13044437	271.003	270.483
5) L1 AR-1016-3	6.004	5.362	8636467	7128613	270.516	261.517
6) L1 AR-1016-4	6.102	5.401	6870142	6439676	267.107	267.937
7) L1 AR-1016-5	6.397	5.620	7389125	8015561	270.109	262.746m
31) L7 AR-1260-1	7.520	6.664	15047489	15673375	281.747	278.763
32) L7 AR-1260-2	7.774	6.851	17224004	18293992	277.341	277.498
33) L7 AR-1260-3	8.135	7.010	14268955	17271160	275.227	273.526
34) L7 AR-1260-4	8.373	7.484	16575744	15053418	274.795	274.336
35) L7 AR-1260-5	8.710	7.722	29040541	32010485	270.523	264.861

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

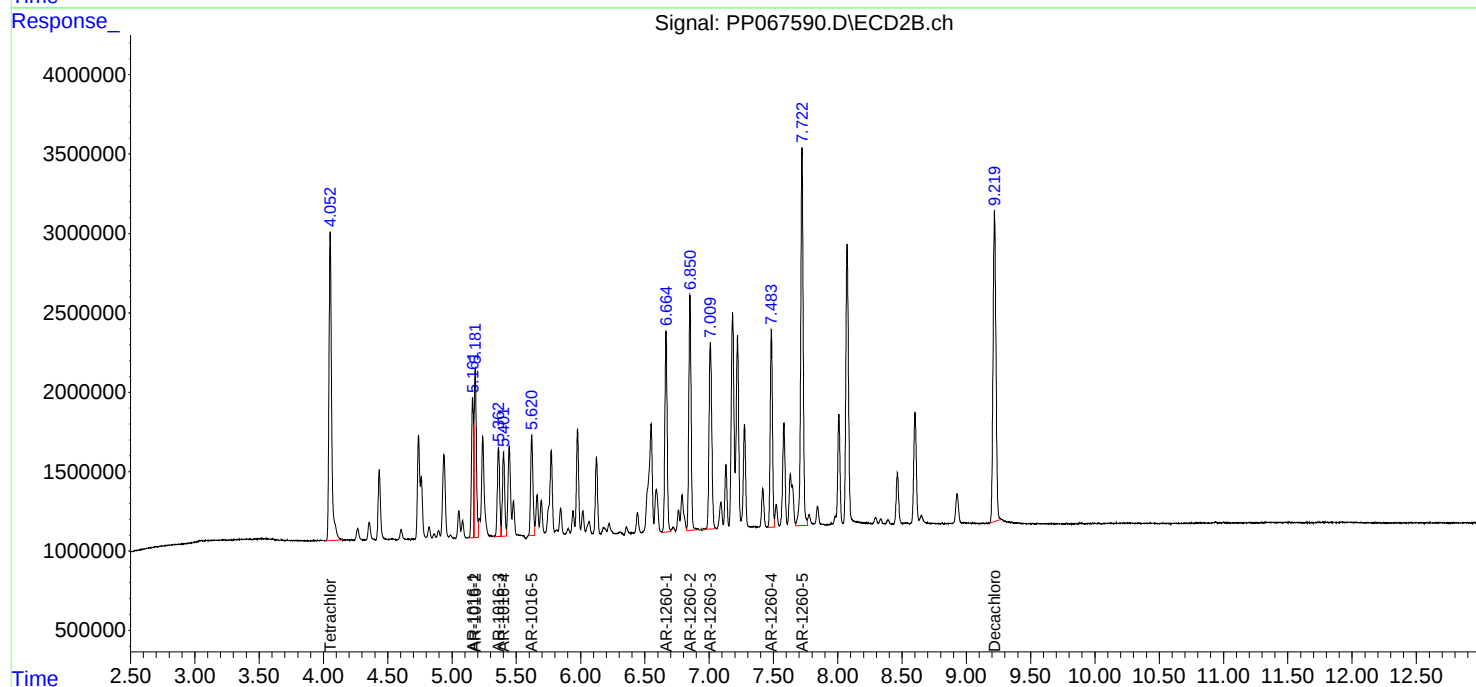
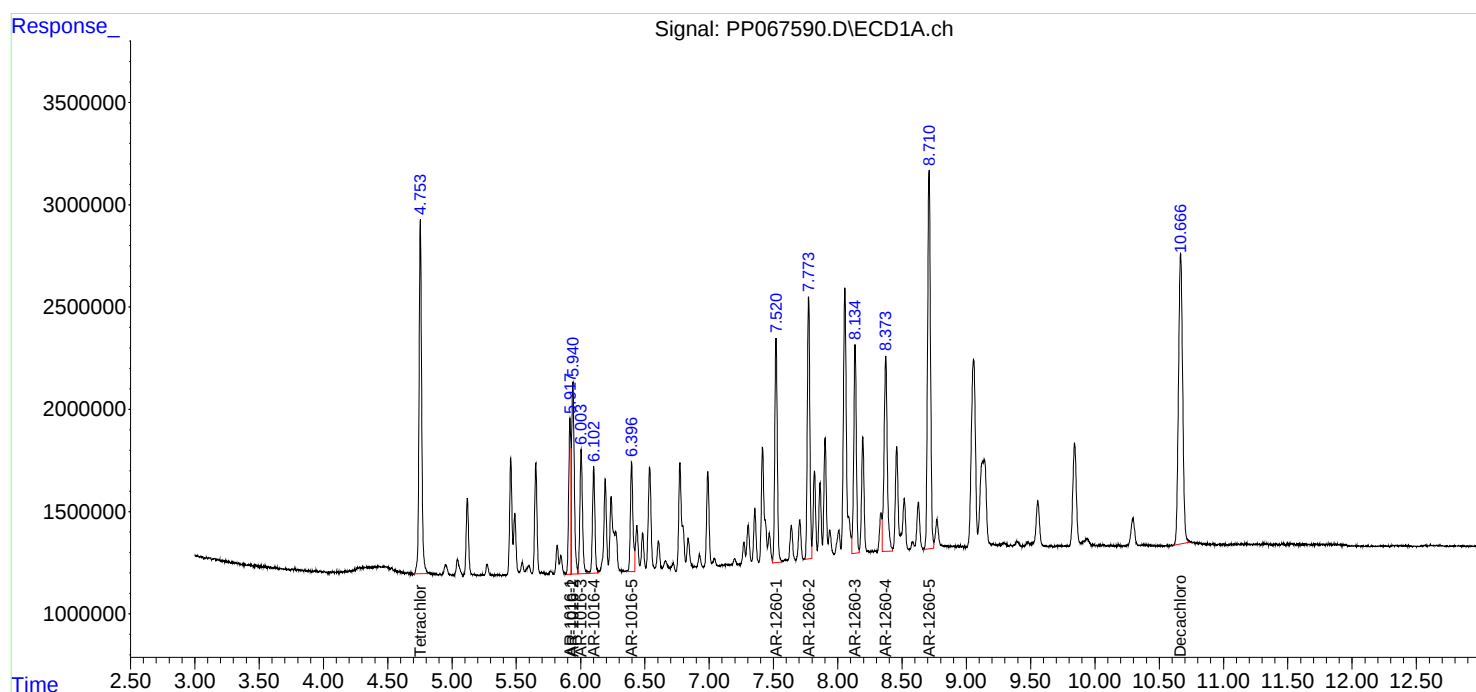
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 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 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067591.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 17:35
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1660ICC050

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 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 08 17:48:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 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...	4.755	4.052	4124158	4742428	4.455	4.694
2) SA Decachlor...	10.668	9.218	5904228	5978529	5.128	5.331
Target Compounds						
3) L1 AR-1016-1	5.918	5.161	1570943	1823044	47.508	52.106
4) L1 AR-1016-2	5.941	5.181	2374298	2396851	48.683	49.760
5) L1 AR-1016-3	6.005	5.362	1492800	1282642	47.373	47.615
6) L1 AR-1016-4	6.103	5.401	1291798	1214418	50.179	50.422
7) L1 AR-1016-5	6.398	5.619	1295512	1525015	47.863	50.109m
31) L7 AR-1260-1	7.521	6.664	2824350	2995537	52.280	52.588
32) L7 AR-1260-2	7.774	6.851	3396864	3491158	53.688	52.338
33) L7 AR-1260-3	8.136	7.009	2593344	3296752	50.017	51.753
34) L7 AR-1260-4	8.373	7.483	2984512	2848752	49.581	51.521
35) L7 AR-1260-5	8.711	7.721	5458119	6403126	50.673	52.357

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

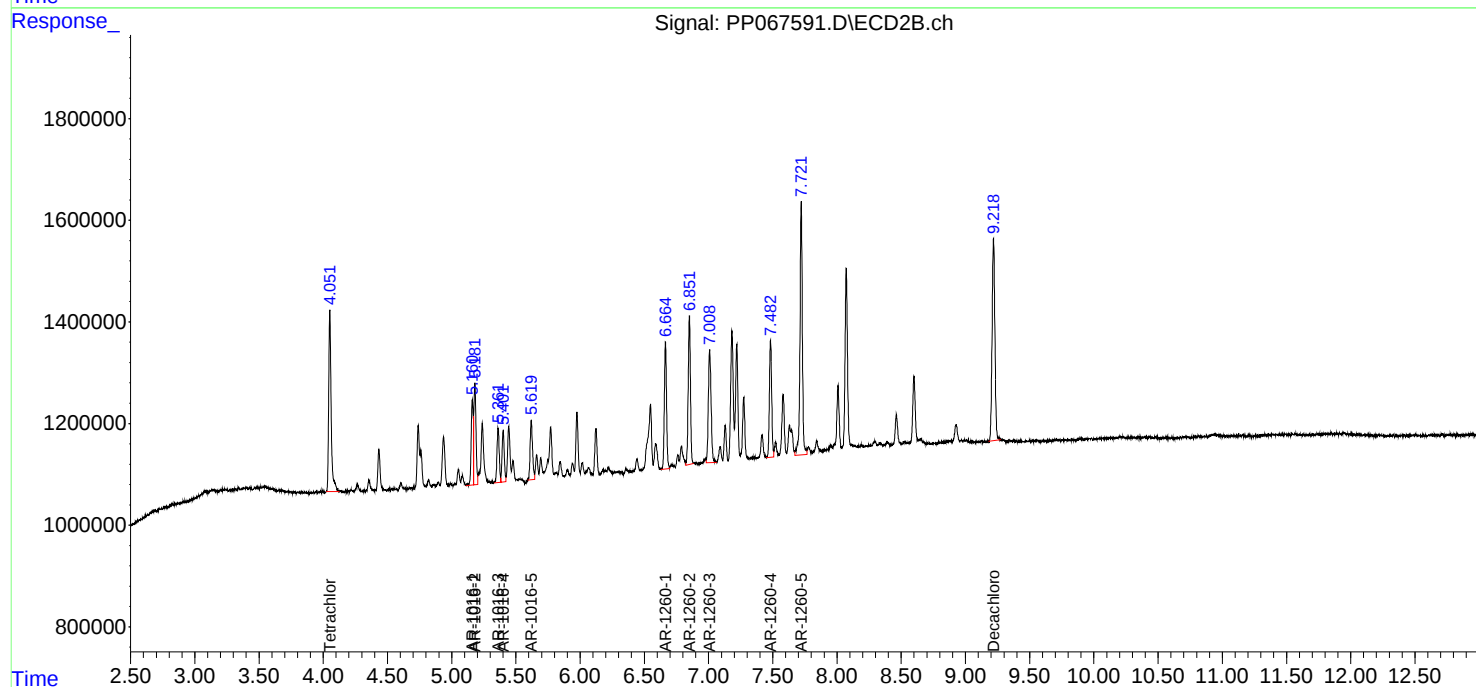
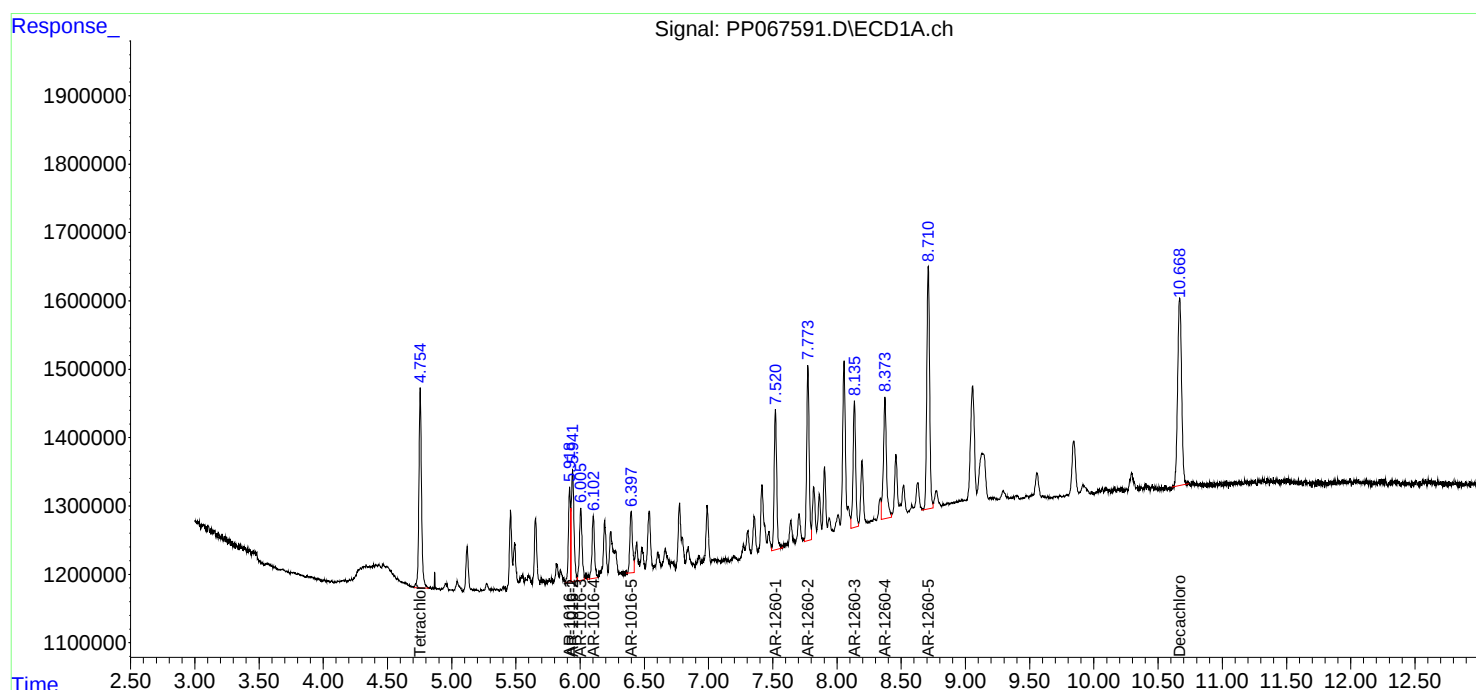
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 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 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067592.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 17:51
 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: Oct 09 01:53:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 01:52:29 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	47679737	52733461	50.000	50.000
2) SA Decachlor...	10.668	9.219	57899448	56082979	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.955	4.267	6404930	6585095	500.000	500.000
9) L2 AR-1221-2	5.041	4.356	4730292	4980620	500.000	500.000
10) L2 AR-1221-3	5.119	4.434	14453920	15565562	500.000	500.000

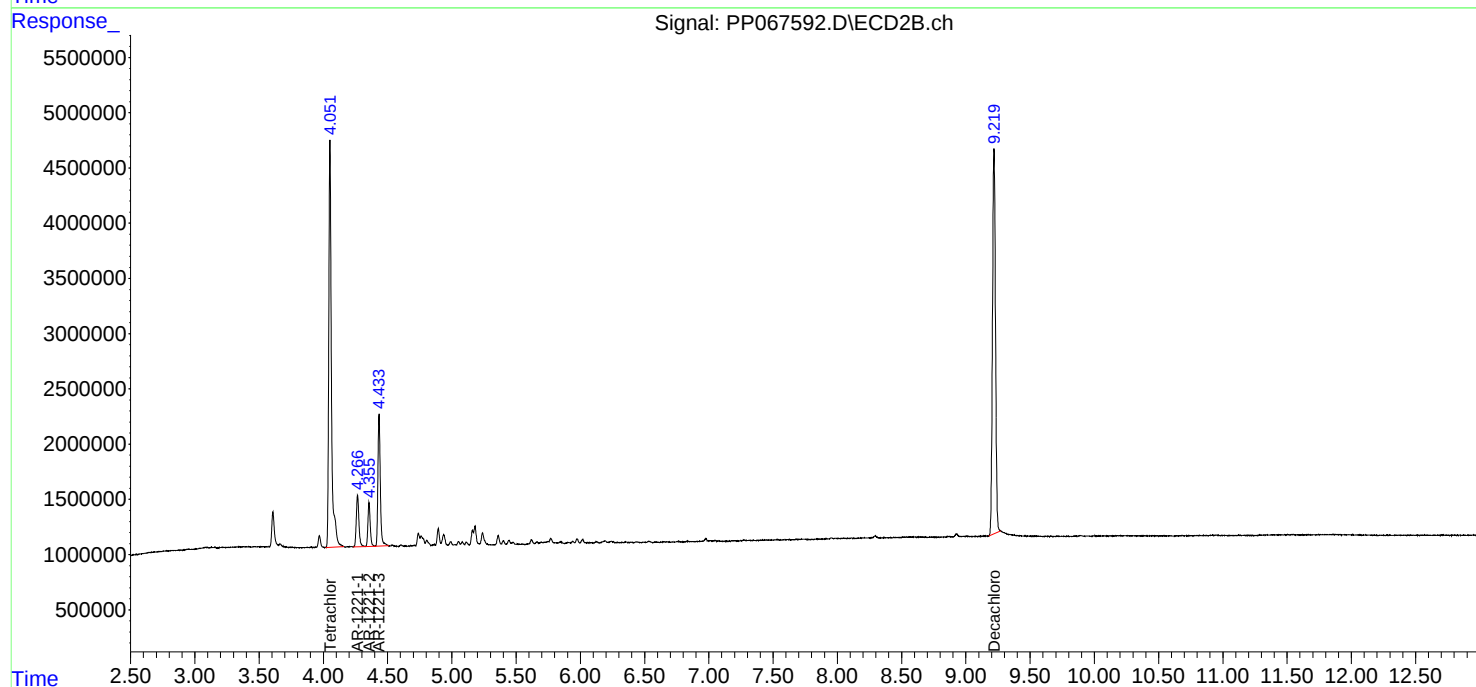
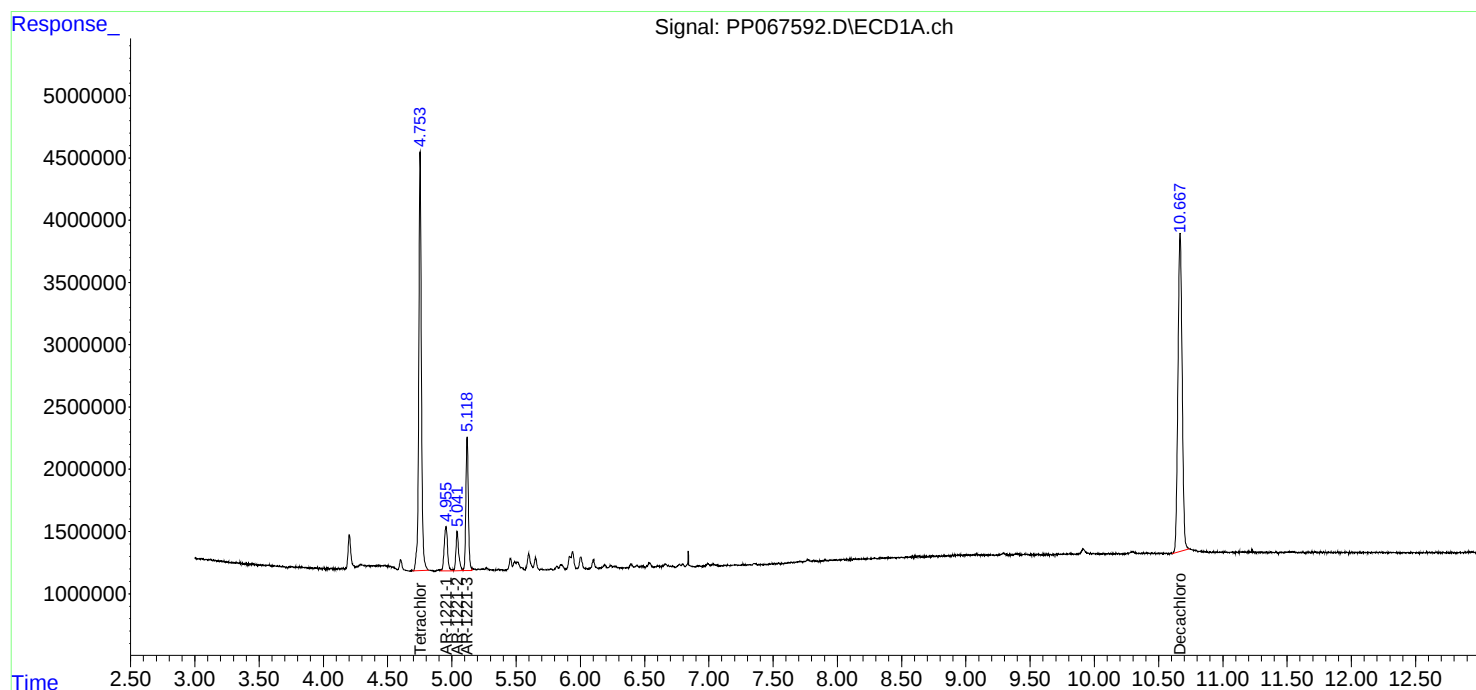
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
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: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067593.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:07
 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: Oct 09 02:05:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:05:05 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...	4.754	4.052	46649380	50505300	50.000	50.000
2) SA Decachlor...	10.666	9.219	56517304	54410300	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	5.119	4.434	11429914	12166488	500.000	500.000
12) L3 AR-1232-2	5.651	5.181	5891516	11182496	500.000	500.000
13) L3 AR-1232-3	5.940	5.361	11137505	5971903	500.000	500.000
14) L3 AR-1232-4	6.101	5.445	5643711	5765679	500.000	500.000
15) L3 AR-1232-5	6.191	5.620	4560092	6725151	500.000	500.000

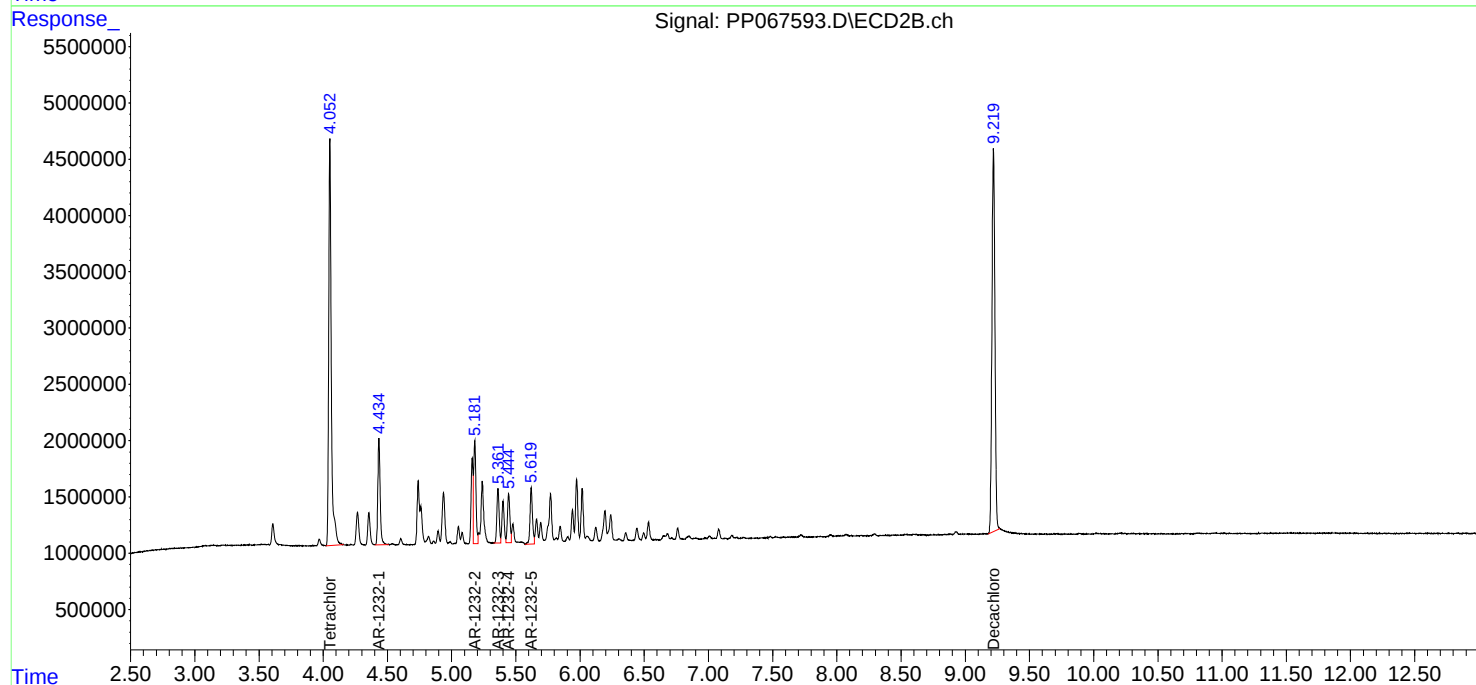
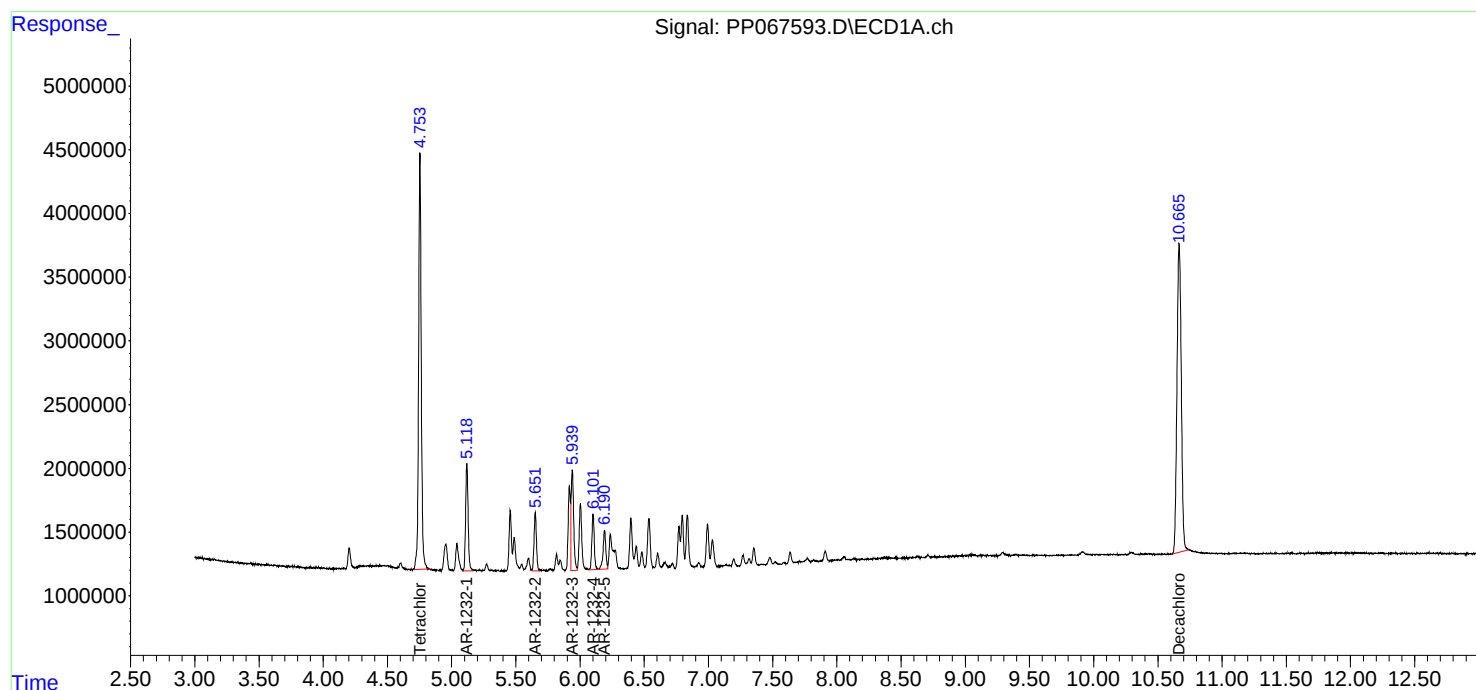
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
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: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:23
 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: Oct 09 02:27:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 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...	4.756	4.052	91804577	97931710	92.720	93.408
2) SA Decachlor...	10.670	9.219	105.0E6	103.1E6	88.700	90.096
Target Compounds						
16) L4 AR-1242-1	5.920	5.161	26136486	26643227	904.997	885.672
17) L4 AR-1242-2	5.942	5.181	37560737	37173910	898.084	909.892
18) L4 AR-1242-3	6.006	5.361	24775066	21209836	896.770	906.817
19) L4 AR-1242-4	6.104	5.445	19919938	21894421	904.626	888.797
20) L4 AR-1242-5	6.838	5.974	22664411	25904963	925.292	897.607

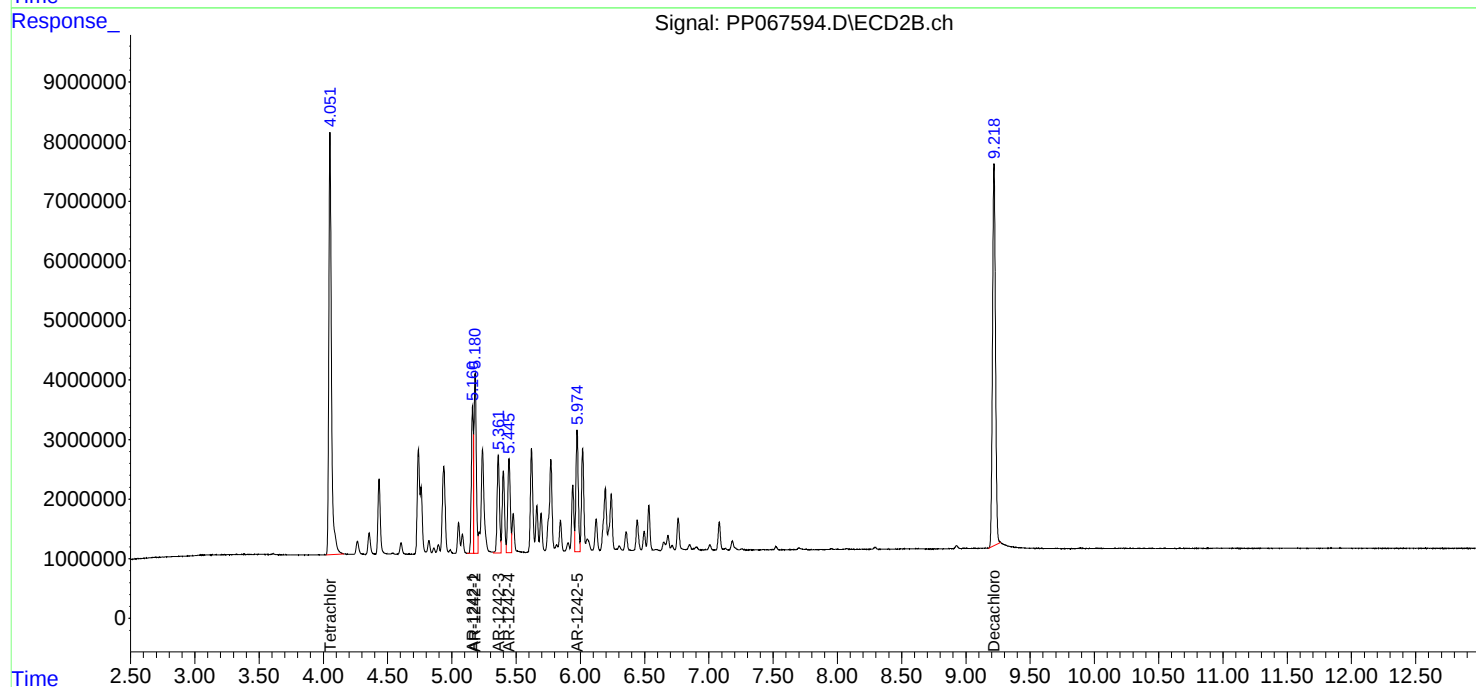
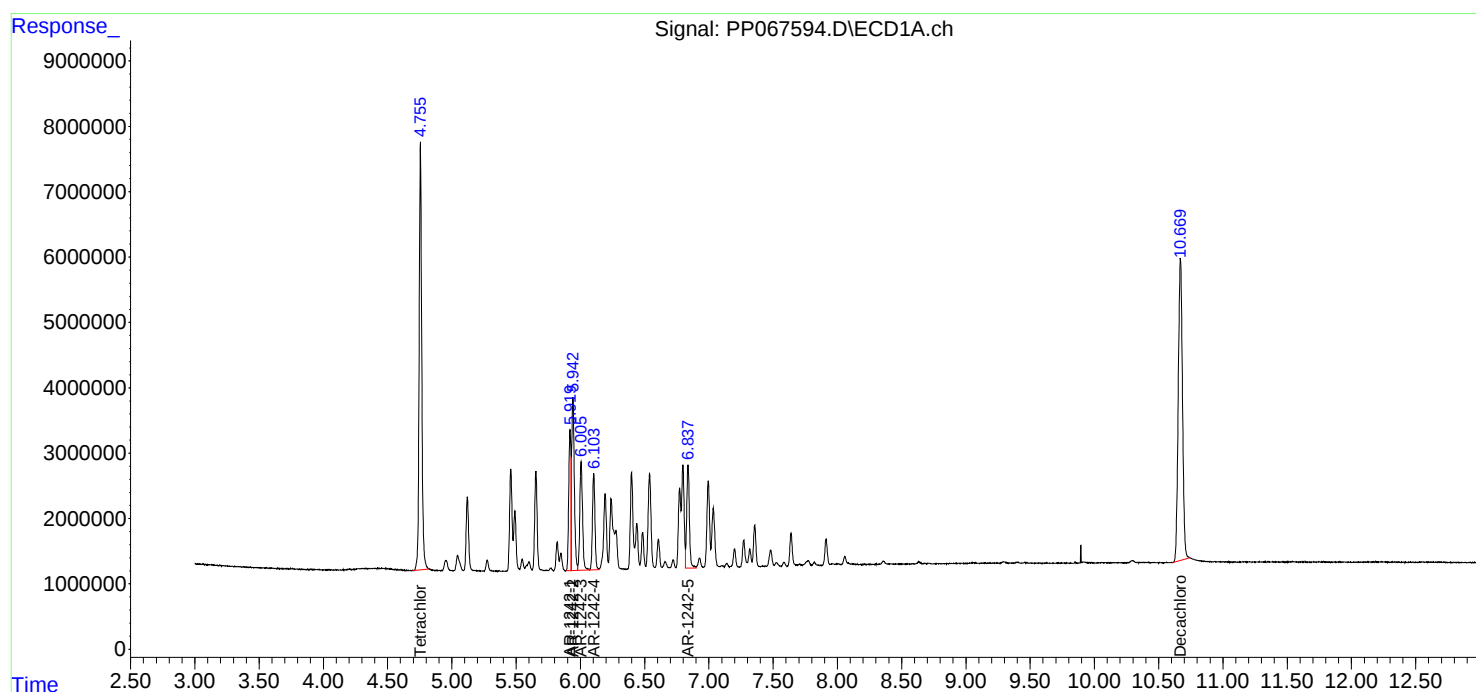
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
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: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:39
 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: Oct 09 02:27:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 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...	4.755	4.052	70898933	75665842	71.606	72.171
2) SA Decachlor...	10.668	9.219	82232389	80586319	69.477	70.430
Target Compounds						
16) L4 AR-1242-1	5.919	5.161	20265133	20927105	701.697	695.657
17) L4 AR-1242-2	5.942	5.181	29640040	28743138	708.698	703.535
18) L4 AR-1242-3	6.005	5.362	19473731	16384813	704.881	700.525
19) L4 AR-1242-4	6.104	5.445	15657914	17086039	711.074	693.602
20) L4 AR-1242-5	6.838	5.975	17483030	20589128	713.758	713.413

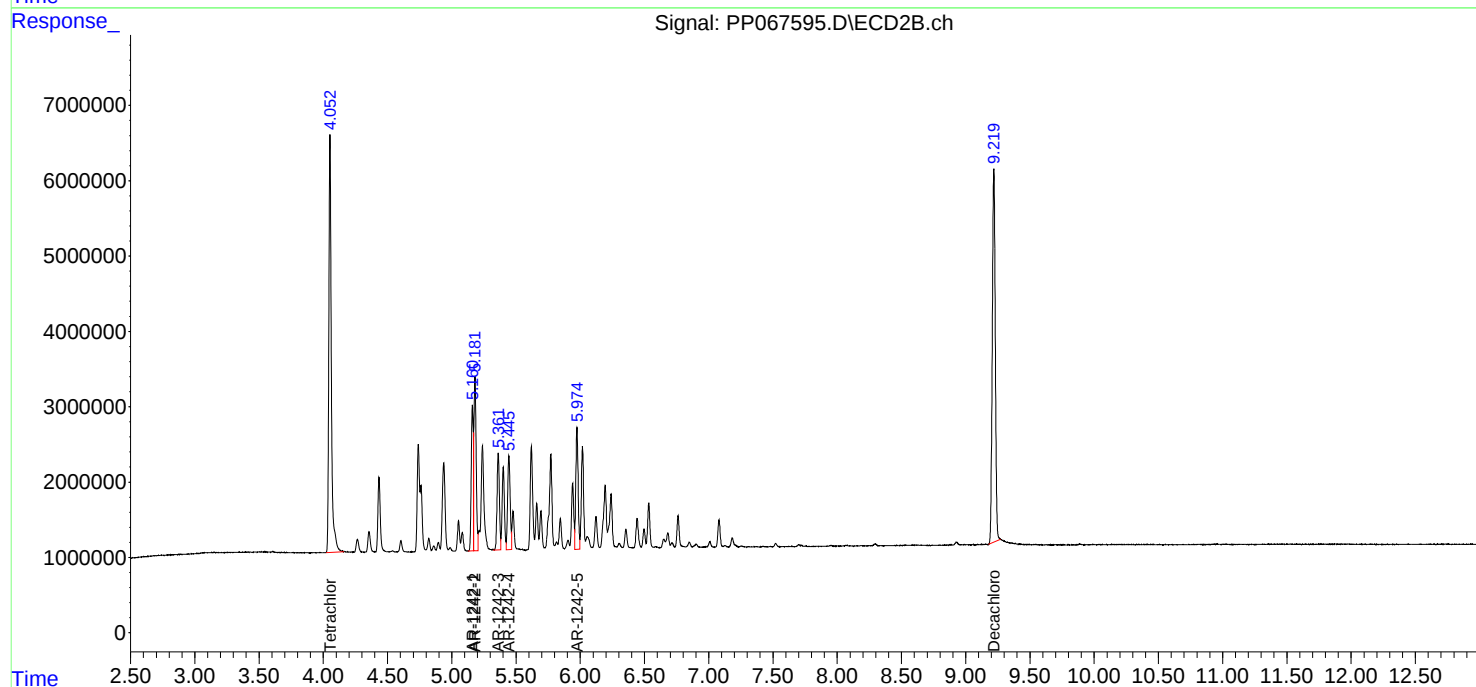
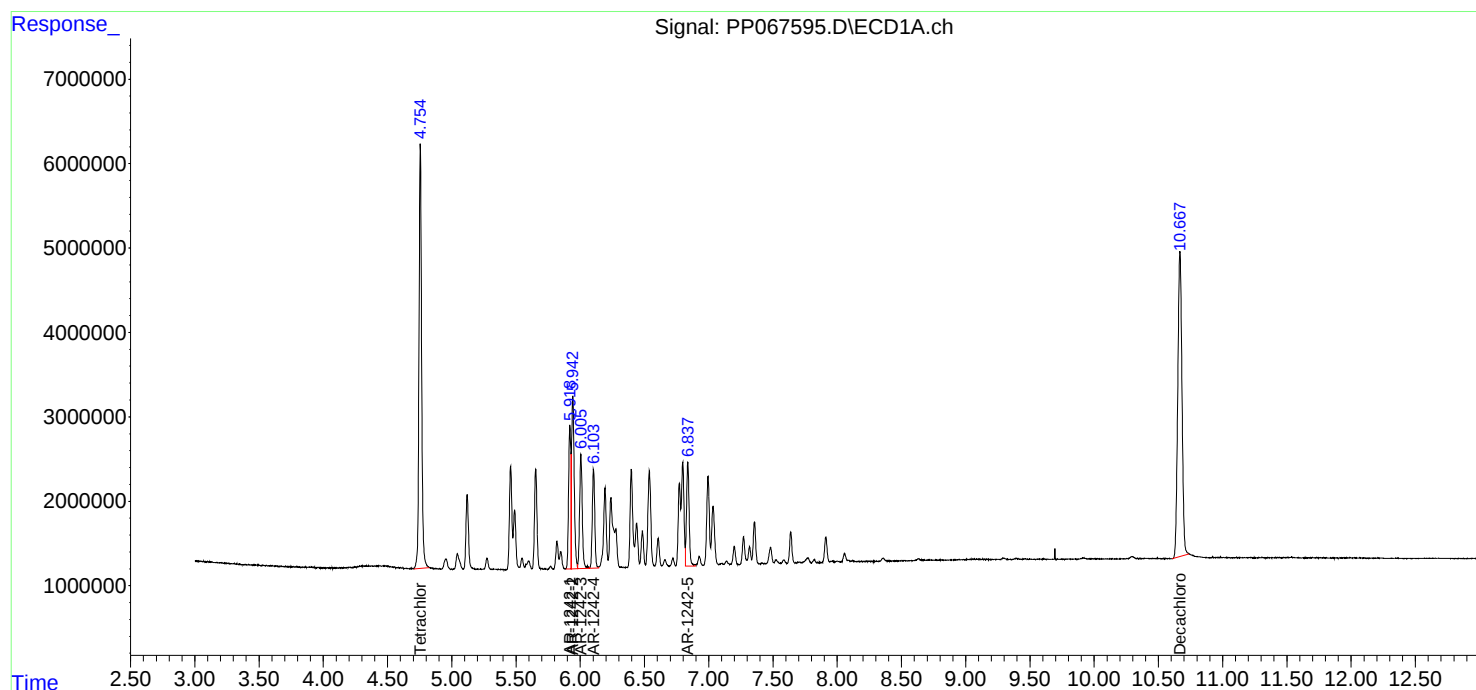
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
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: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067596.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:55
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

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 09 02:23:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 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	49591914	52421301	50.087m	50.000
2) SA Decachlor...	10.666	9.218	59179513	57209957	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.916	5.161	14440091	15041243	500.000	500.000
17) L4 AR-1242-2	5.939	5.181	20911603	20427651	500.000	500.000
18) L4 AR-1242-3	6.002	5.362	13813496	11694665	500.000	500.000
19) L4 AR-1242-4	6.101	5.445	11010041	12316890	500.000	500.000
20) L4 AR-1242-5	6.835	5.975	12247163	14430019	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

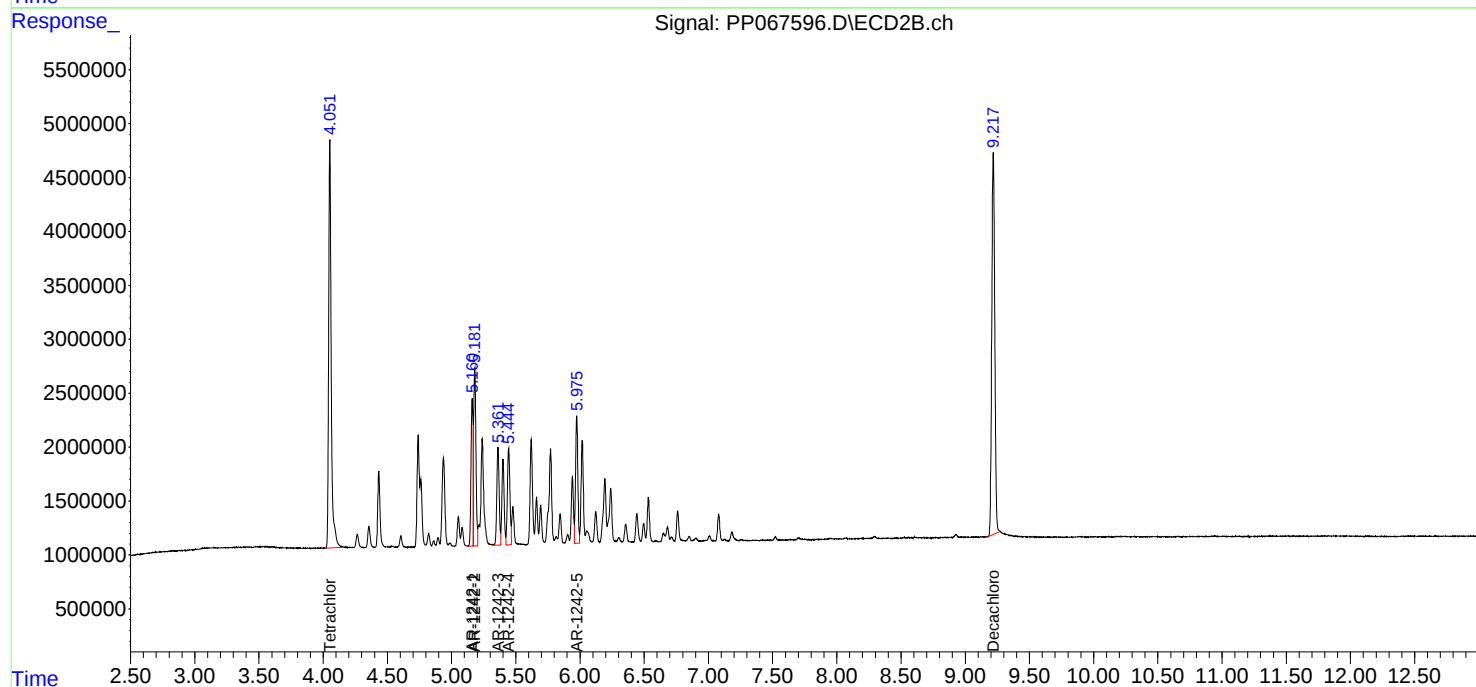
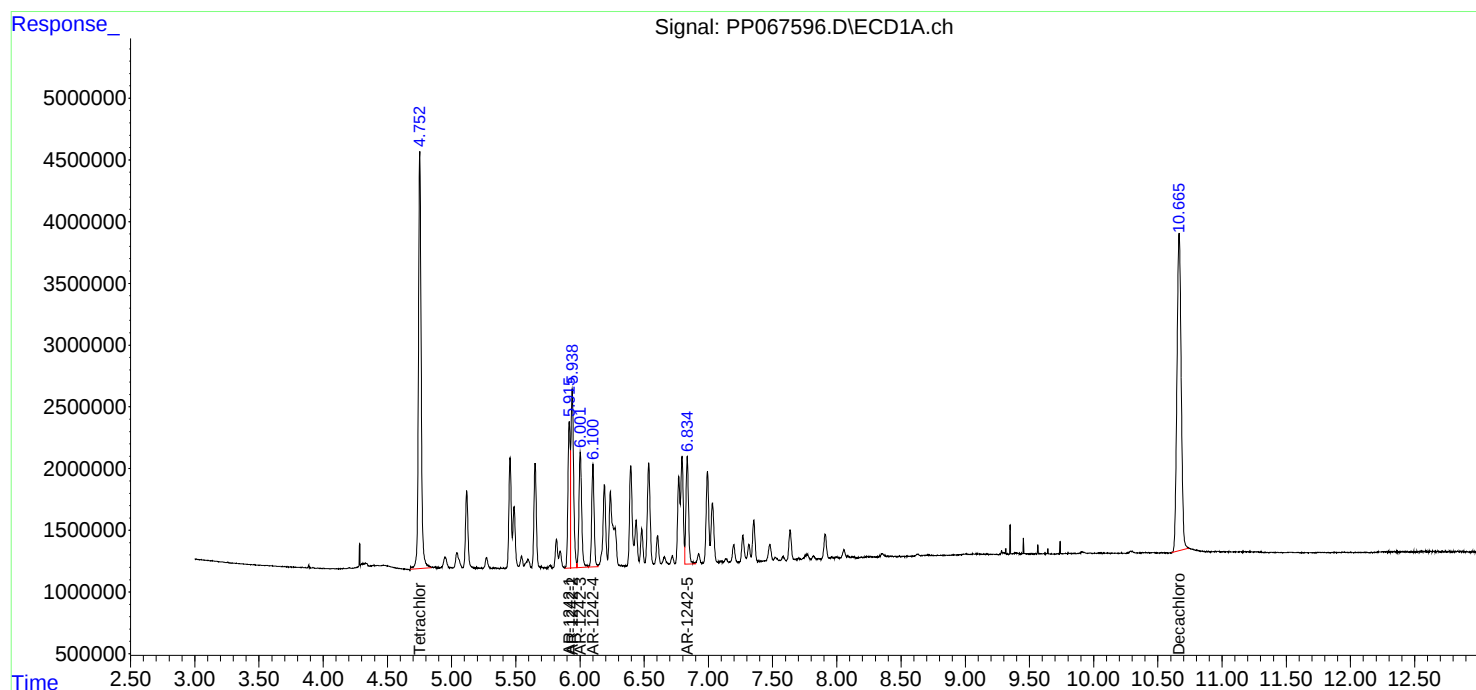
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

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 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 19:12
 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: Oct 09 02:27:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 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...	4.755	4.051	24714146	26992640	24.961	25.746
2) SA Decachlor...	10.666	9.218	31835407	30686591	26.897	26.819
Target Compounds						
16) L4 AR-1242-1	5.919	5.160	7532960	7966048	260.835	264.807
17) L4 AR-1242-2	5.942	5.181	10856012	10764640	259.569	263.482
18) L4 AR-1242-3	6.005	5.361	7003429	5902002	253.500	252.337
19) L4 AR-1242-4	6.103	5.444	5549729	6325659	252.030	256.788
20) L4 AR-1242-5	6.837	5.974	6362457	7698031	259.752	266.737

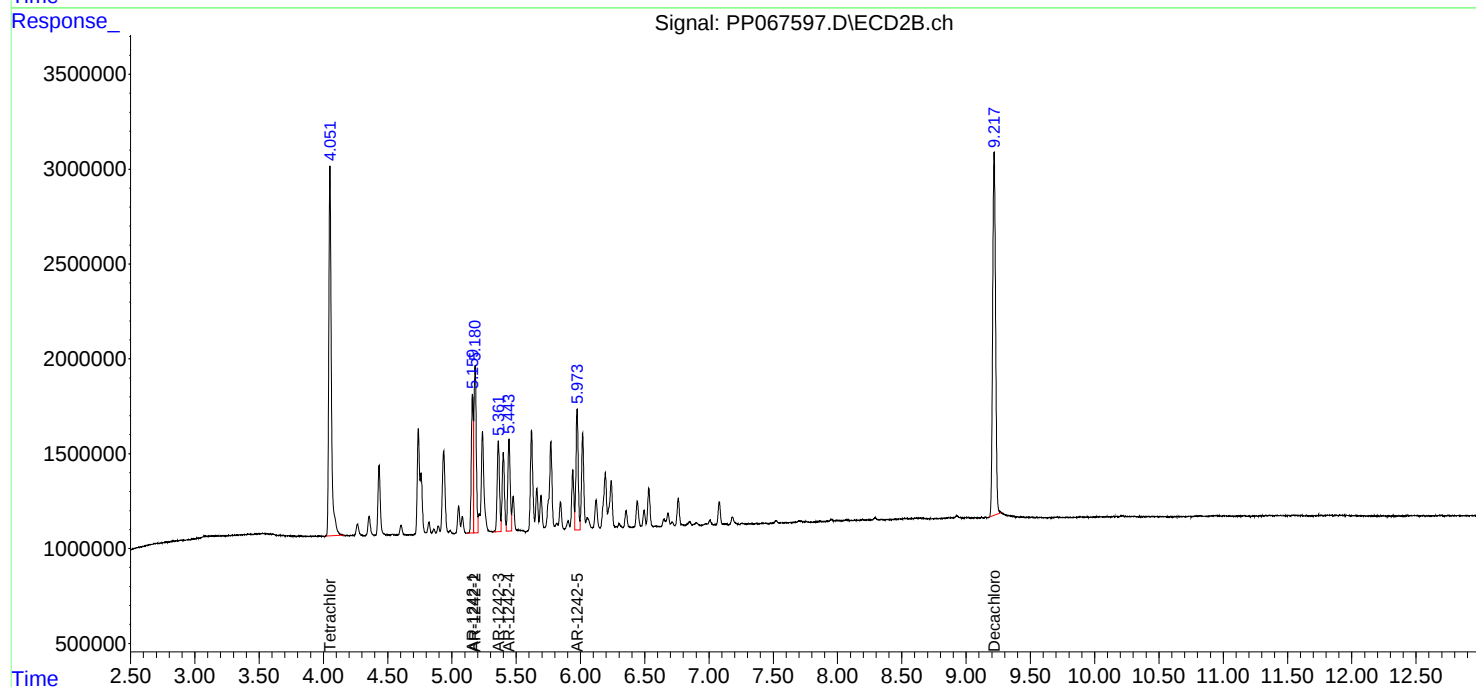
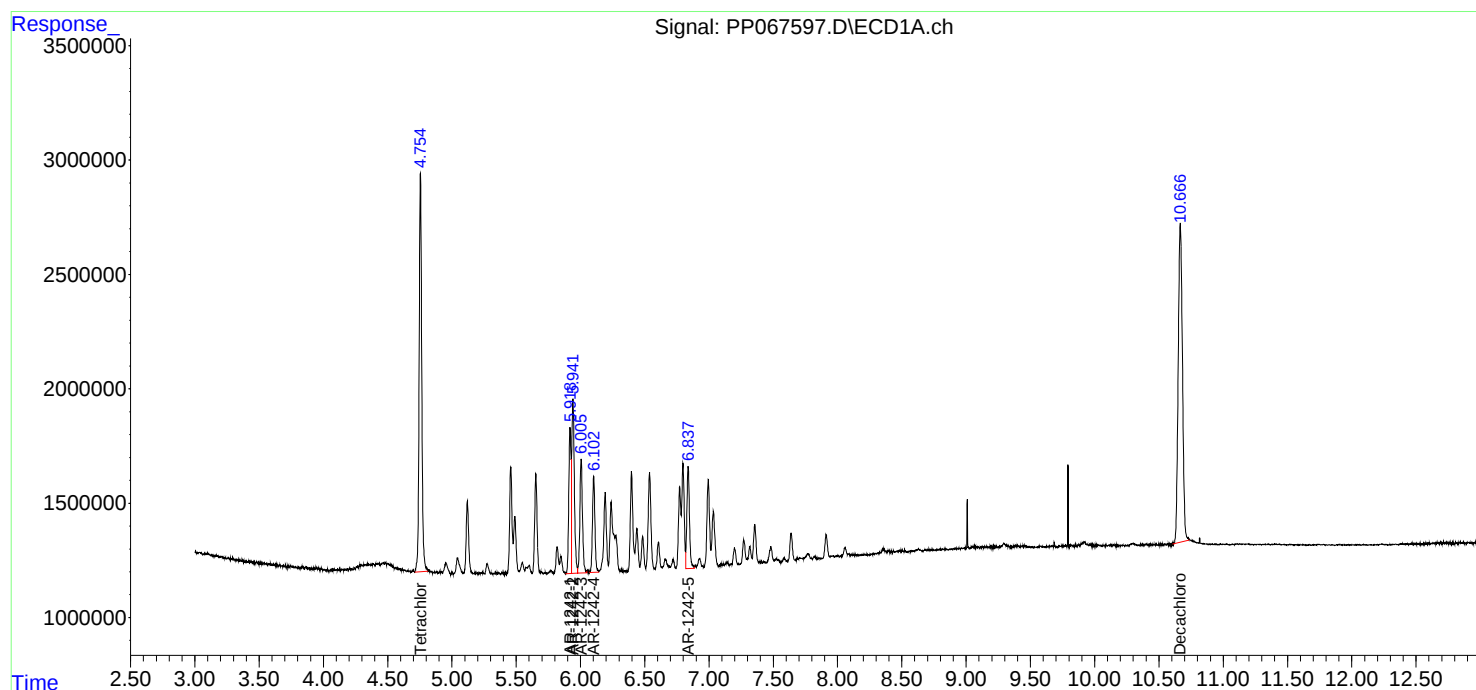
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
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: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 19:28
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

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 09 02:28:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 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	4.052	4223721	4977037	4.266m	4.747
2) SA Decachlor...	10.668	9.219	6053974	6041919	5.115	5.280
Target Compounds						
16) L4 AR-1242-1	5.918	5.161	1375850	1444472	47.640	48.017
17) L4 AR-1242-2	5.940	5.181	2042273	2066334	48.831	50.577
18) L4 AR-1242-3	6.005	5.362	1422150	1121076	51.477	47.931
19) L4 AR-1242-4	6.103	5.445	1111811	1203814	50.491	48.868
20) L4 AR-1242-5	6.836	5.975	1235510	1511927	50.441	52.388

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

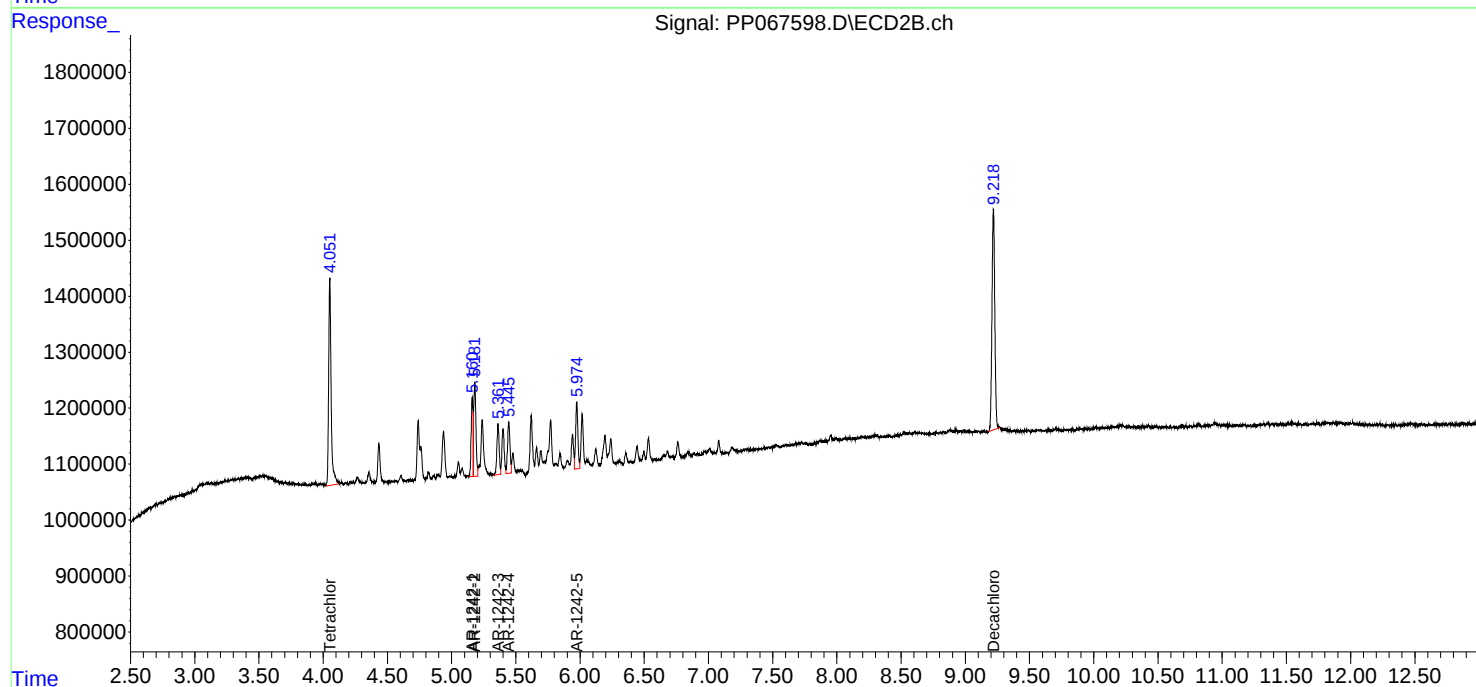
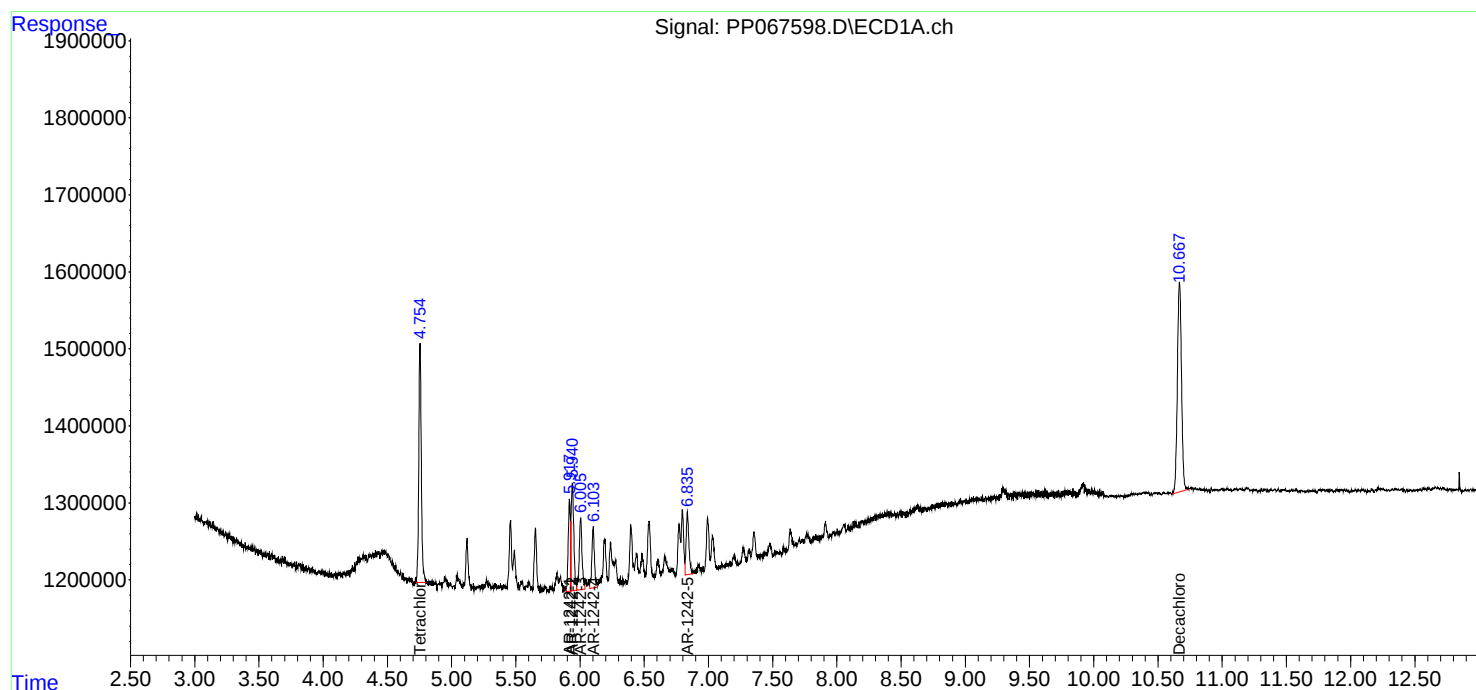
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

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 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 19:44
 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: Oct 09 02:54:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 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	4.052	90214696	95265612	94.578	95.209
2) SA Decachlor...	10.665	9.217	105.5E6	103.2E6	90.237	91.240
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	19592099	20323070	894.603	888.868
22) L5 AR-1248-2	6.192	5.400	29912773	29599820	872.727	892.276
23) L5 AR-1248-3	6.396	5.444	33038688	31098926	878.150	896.577
24) L5 AR-1248-4	6.797	5.619	36925252	36529837	883.372	905.795
25) L5 AR-1248-5	6.837	6.017	36740691	34201195	896.464	909.218

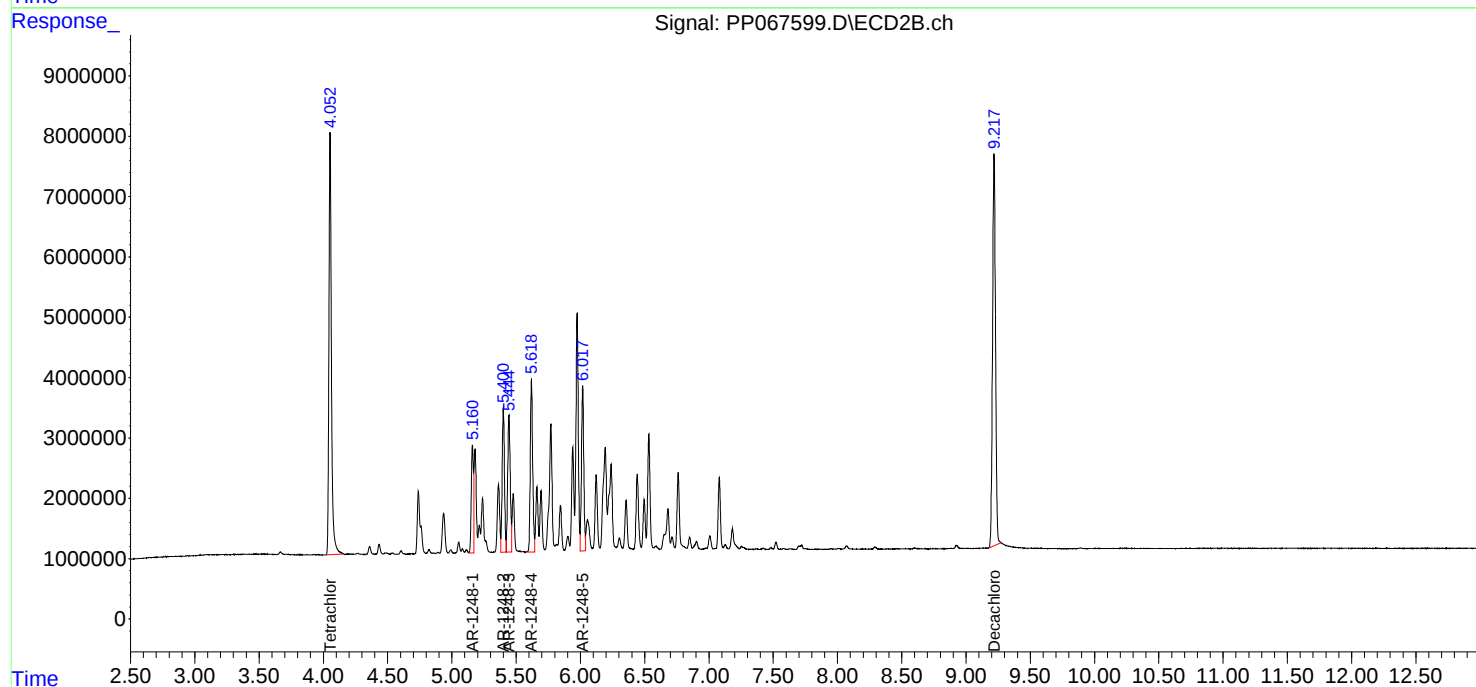
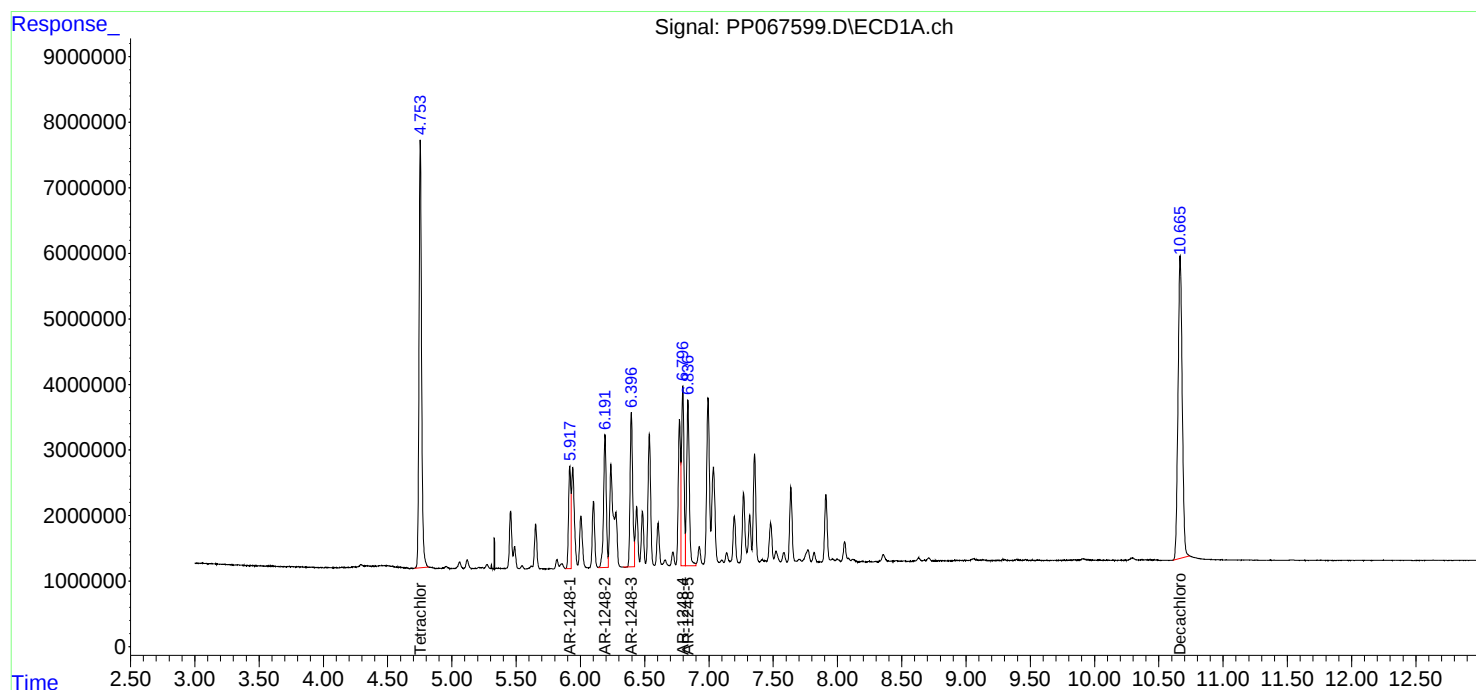
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
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: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:00
 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: Oct 09 02:54:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 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	4.052	69493624	74624596	72.855	74.581
2) SA Decachlor...	10.666	9.218	83225039	80485343	71.154	71.134
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	15890474	16419683	725.581	718.146
22) L5 AR-1248-2	6.191	5.401	24196945	23698997	705.963	714.398
23) L5 AR-1248-3	6.396	5.445	26508671	24837498	704.586	716.061
24) L5 AR-1248-4	6.796	5.619	29562331	29080592	707.227	721.084
25) L5 AR-1248-5	6.837	6.017	29214949	26933596	712.838	716.014

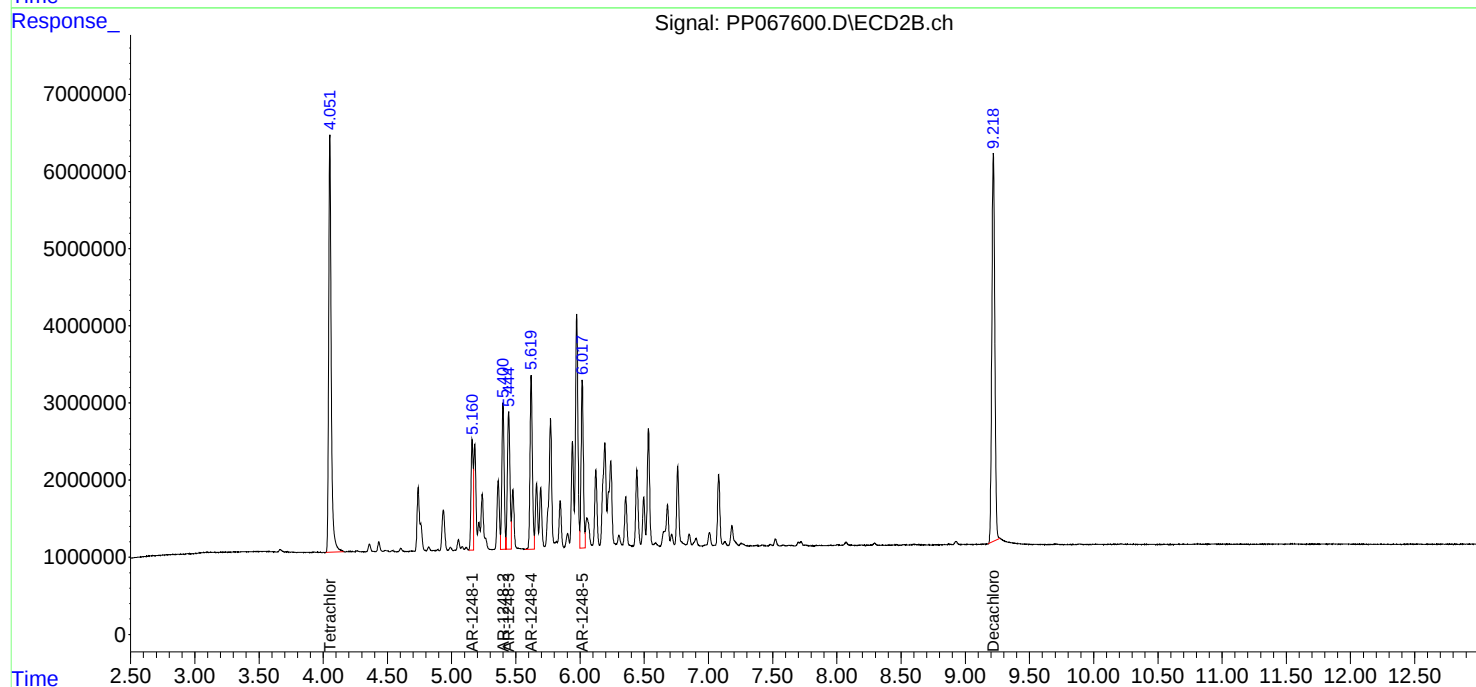
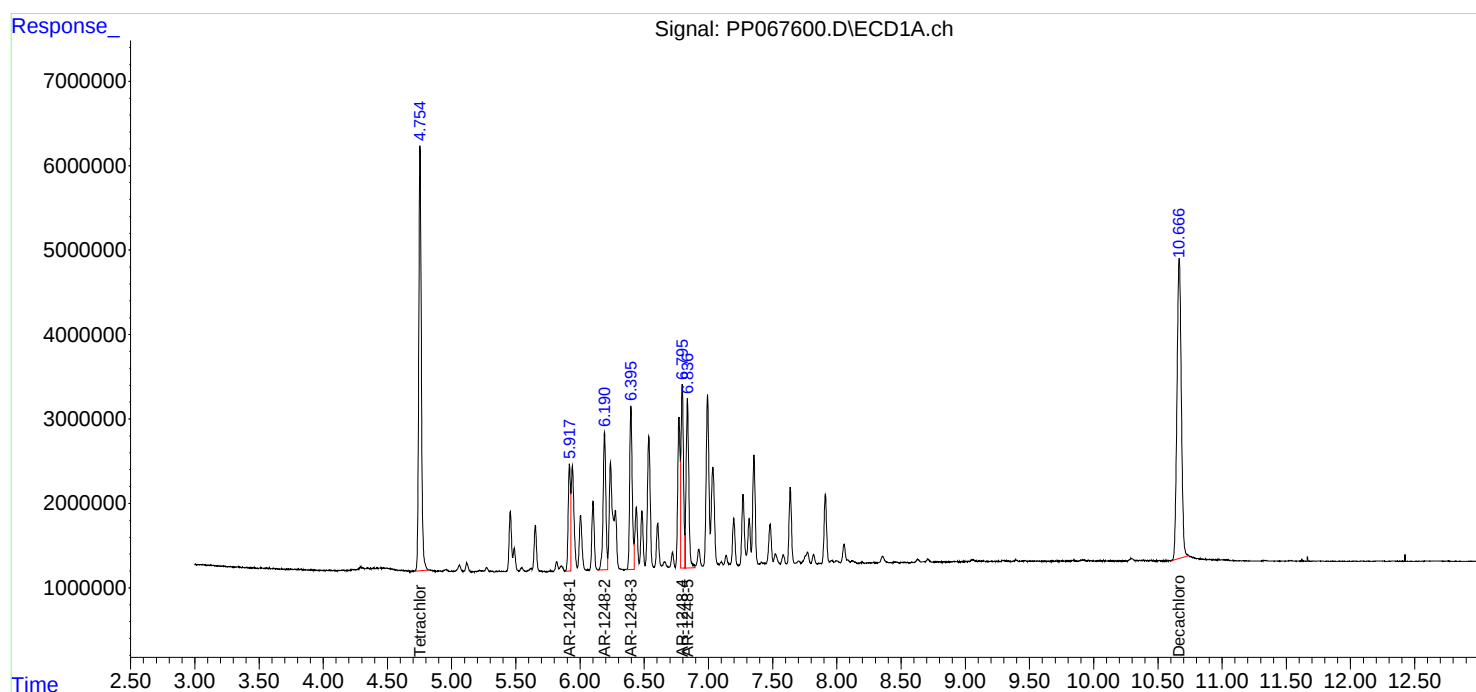
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
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: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067601.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:16
 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: Oct 09 02:55:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 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	4.052	47693362	50029562	50.000	50.000
2) SA Decachlor...	10.666	9.217	58482460	56573282	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	10950168	11431997	500.000	500.000
22) L5 AR-1248-2	6.191	5.400	17137536	16586689	500.000	500.000
23) L5 AR-1248-3	6.396	5.443	18811532	17343136	500.000	500.000
24) L5 AR-1248-4	6.796	5.618	20900161	20164510	500.000	500.000
25) L5 AR-1248-5	6.836	6.017	20492008	18808021	500.000	500.000

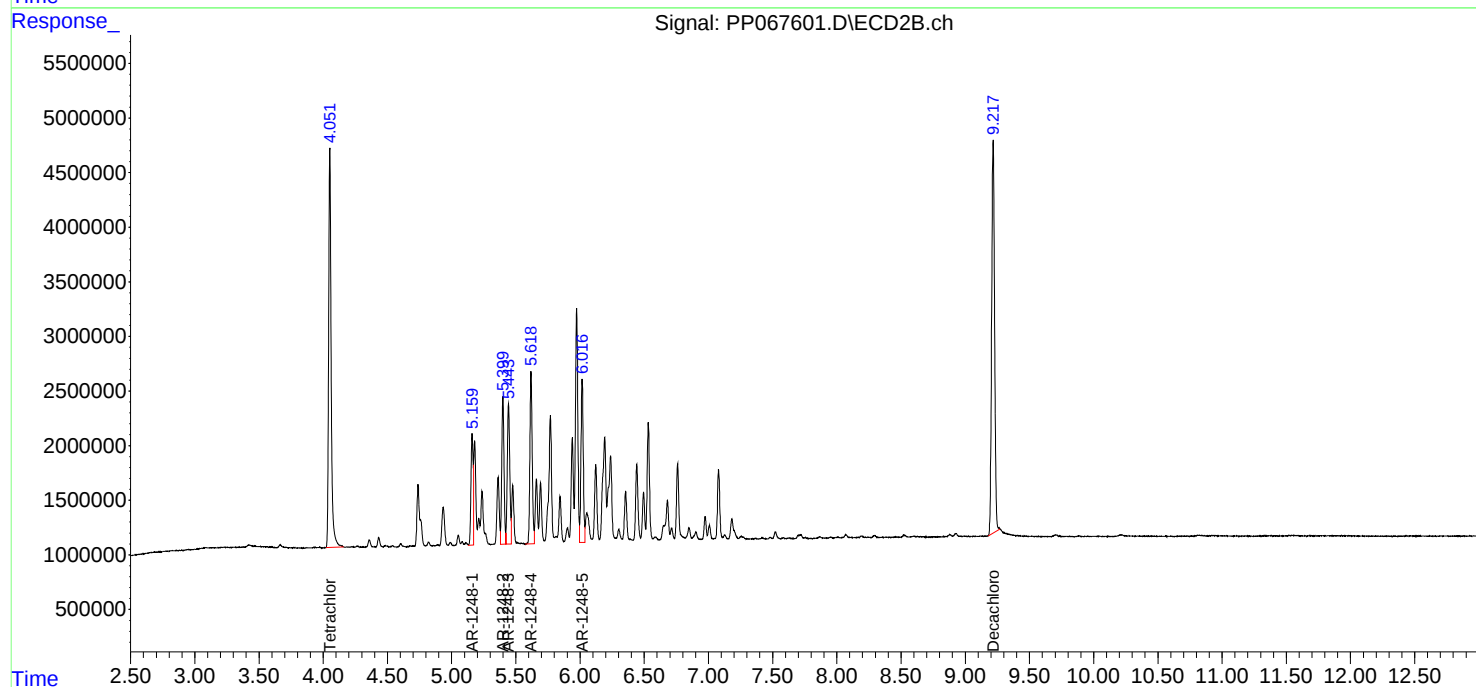
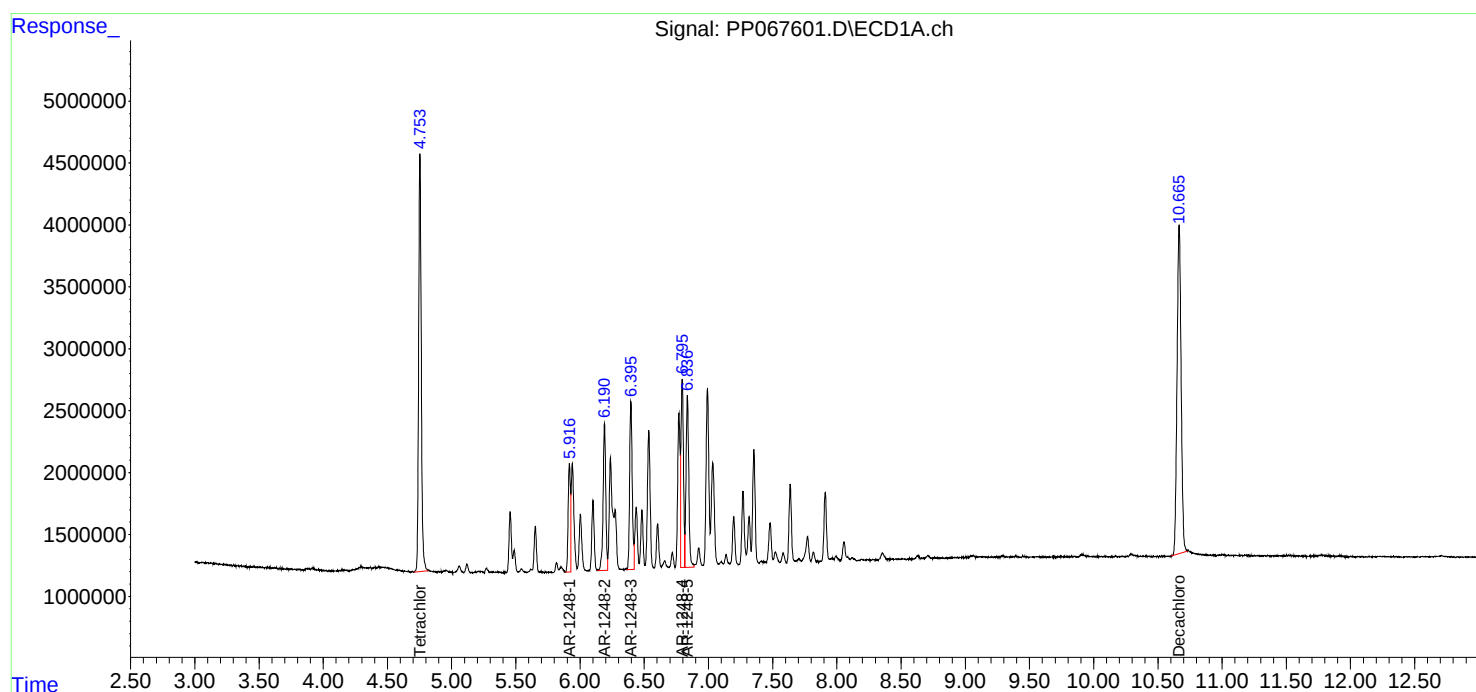
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
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: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:32
 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: Oct 09 02:55:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 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	4.052	24808977	26704709	26.009	26.689
2) SA Decachlor...	10.668	9.218	32052950	30387635	27.404	26.857
Target Compounds						
21) L5 AR-1248-1	5.918	5.161	5912354	6018915	269.966	263.249
22) L5 AR-1248-2	6.192	5.400	9231645	9030416	269.340	272.219
23) L5 AR-1248-3	6.397	5.444	10139576	9394157	269.504	270.832
24) L5 AR-1248-4	6.797	5.619	11182231	11056295	267.515	274.152
25) L5 AR-1248-5	6.836	6.017	10945412	10118471	267.065	268.994

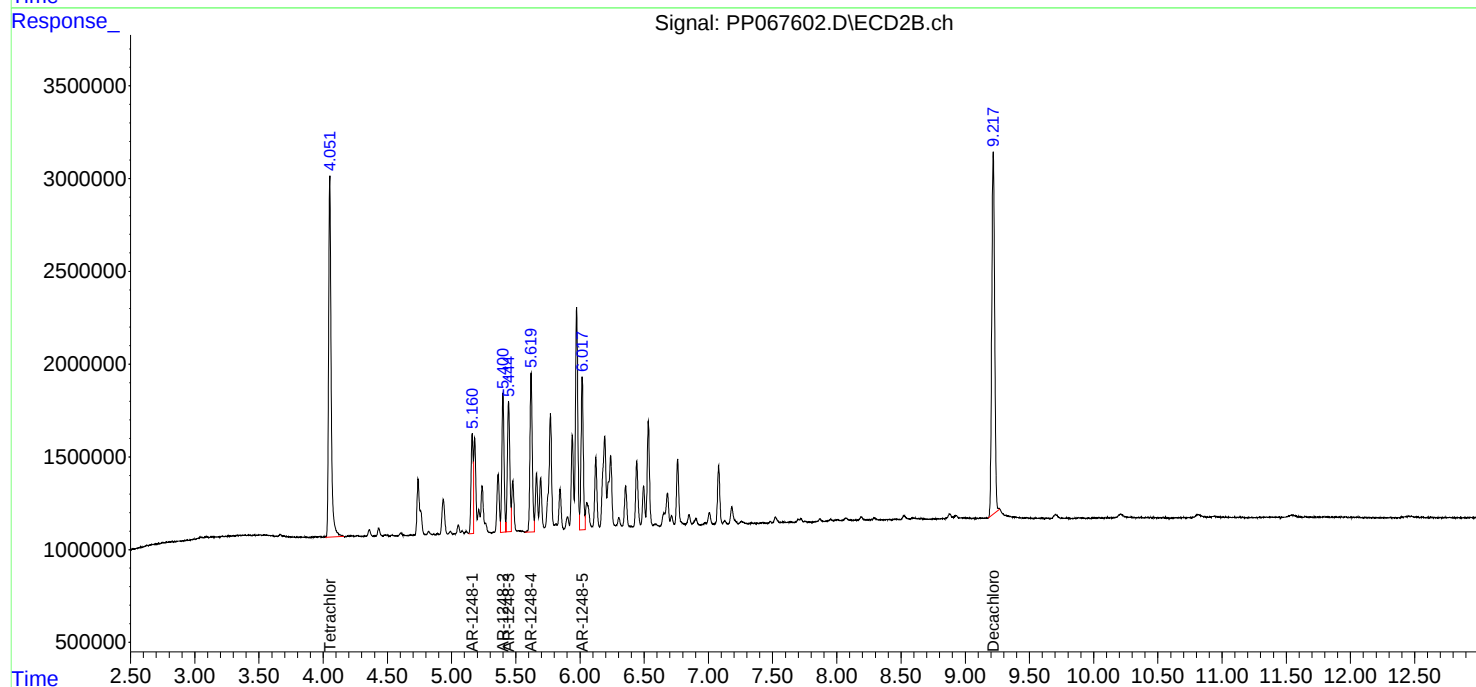
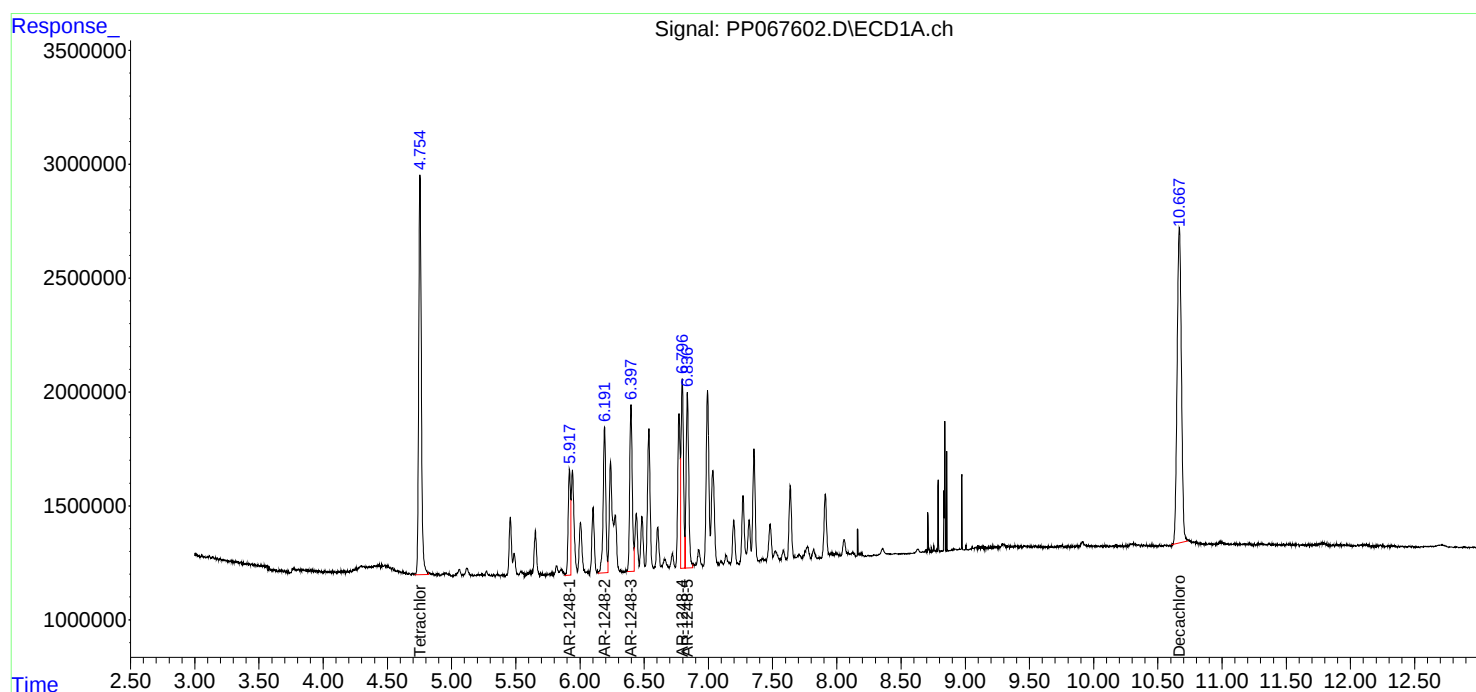
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
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: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:49
 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: Oct 09 02:55:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 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	4475784	4955188	4.692	4.952
2) SA Decachlor...	10.664	9.218	6512447	6206078	5.568	5.485
Target Compounds						
21) L5 AR-1248-1	5.918	5.161	1039264	1208163	47.454	52.841
22) L5 AR-1248-2	6.190	5.401	1735318	1749277	50.629	52.731
23) L5 AR-1248-3	6.396	5.445	1828118	1794734	48.590	51.742
24) L5 AR-1248-4	6.796	5.619	1969132	2246071	47.108	55.694
25) L5 AR-1248-5	6.835	6.017	1892267	1950657	46.171	51.857

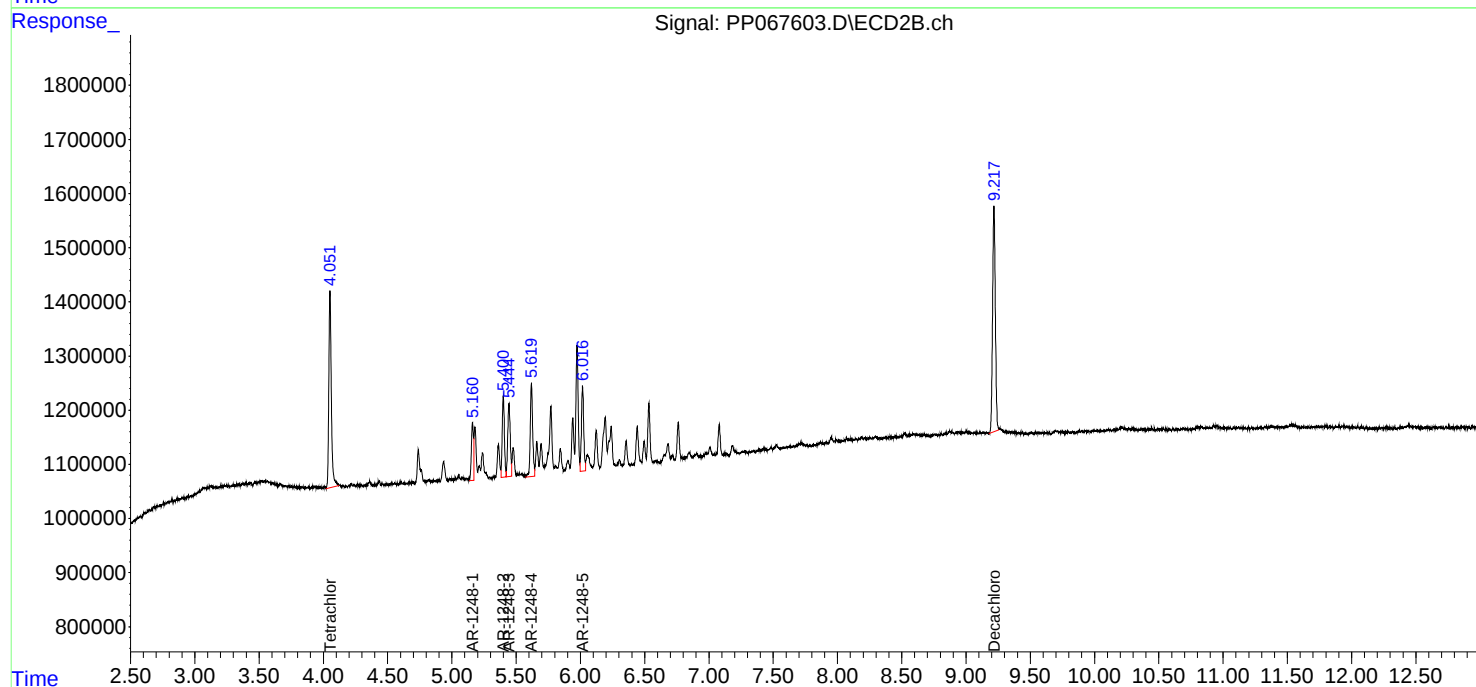
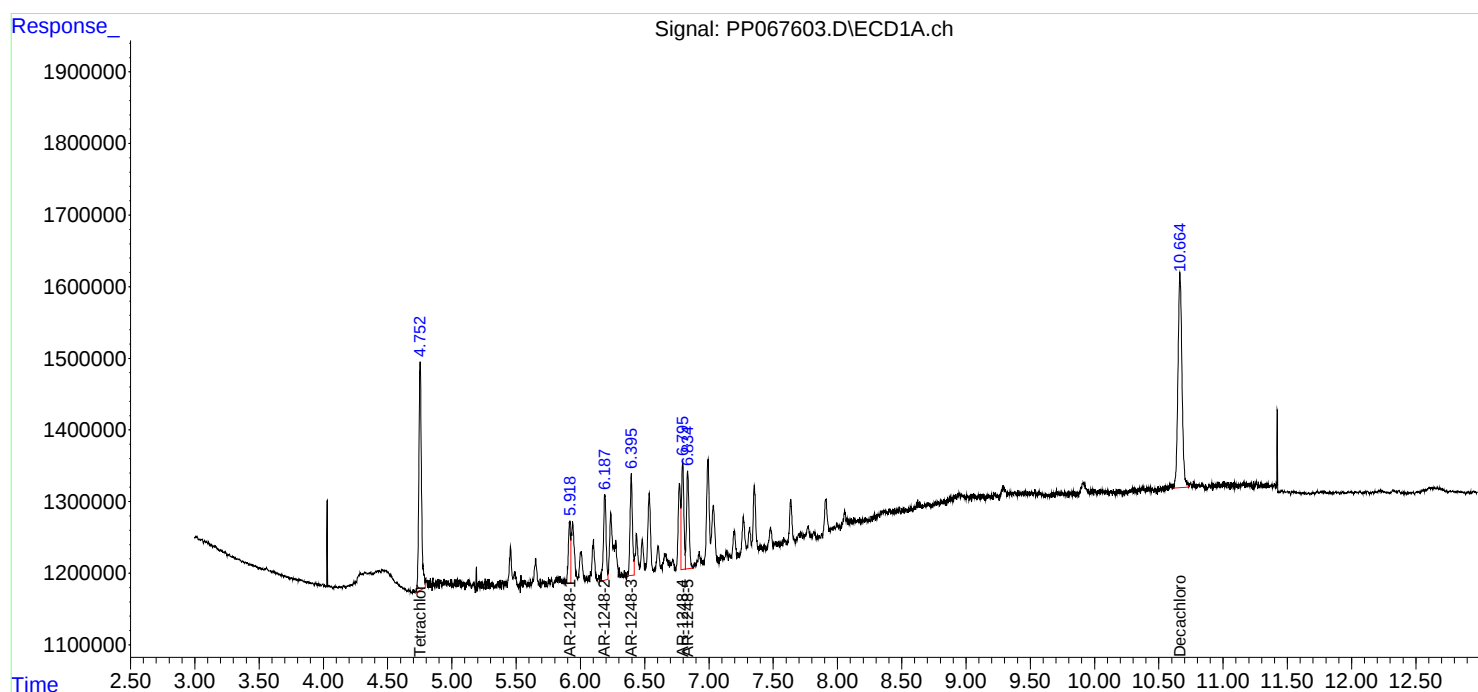
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
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: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067604.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 21:05
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:25:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 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...	4.755	4.052	93136358	96989057	97.408	93.351
2) SA Decachlor...	10.668	9.218	106.8E6	104.1E6	90.386	91.127
Target Compounds						
26) L6 AR-1254-1	6.774	5.976	40350769	53478224	891.057	907.039
27) L6 AR-1254-2	6.992	6.123	59814731	47135286	909.208	903.899
28) L6 AR-1254-3	7.356	6.533	64043672	76675976	922.974	921.526
29) L6 AR-1254-4	7.639	6.761	45989306	44235570	916.896	914.644
30) L6 AR-1254-5	8.057	7.183	54192853	68142947	907.279	923.842

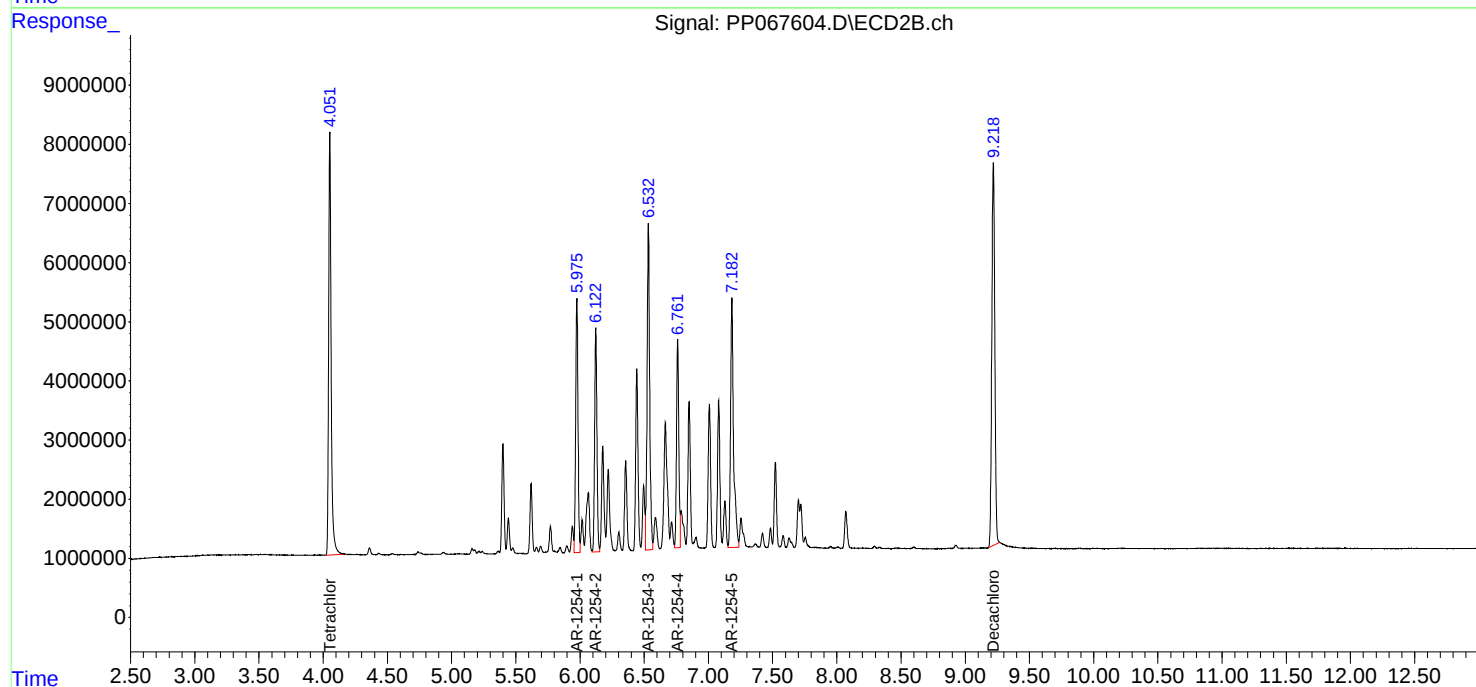
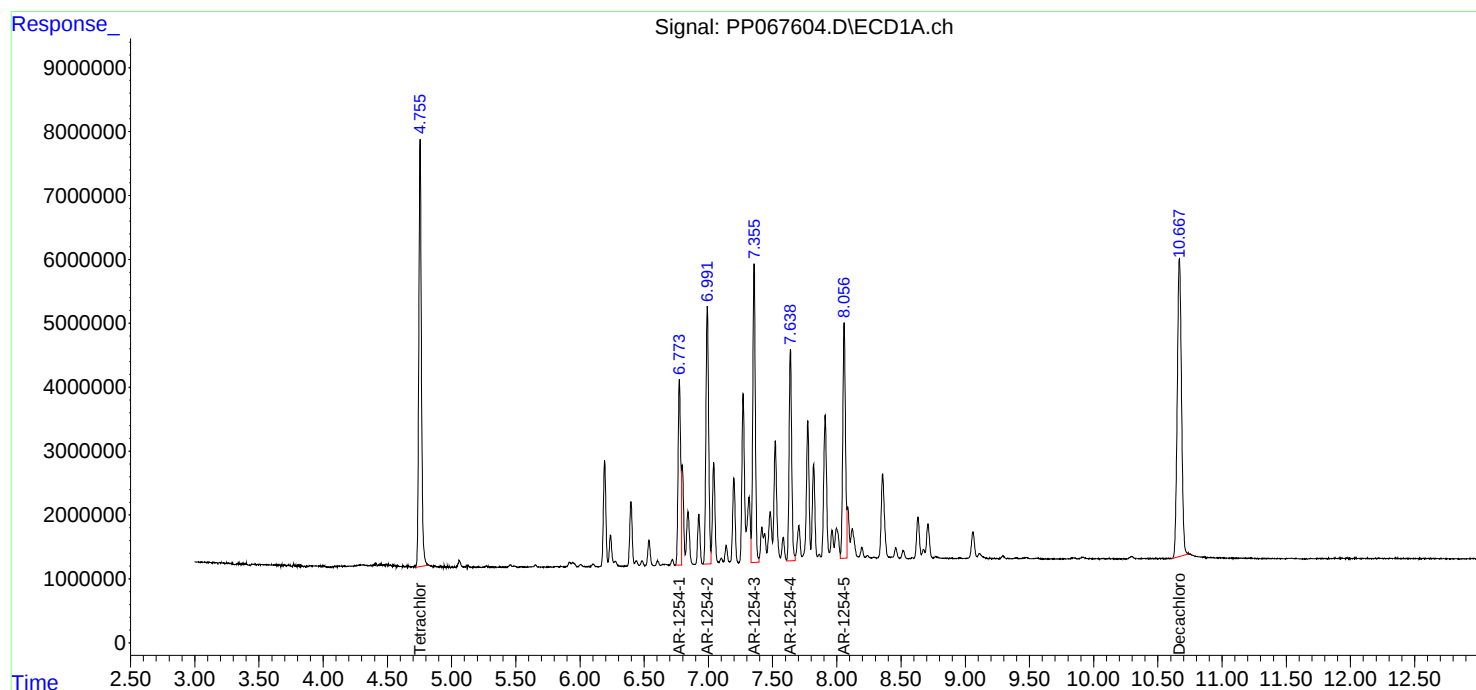
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067605.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 21:21
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

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 09 03:25:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 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	70192351	74352040	73.411	71.563
2) SA Decachlor...	10.667	9.217	82958706	81163692	70.176	71.038
Target Compounds						
26) L6 AR-1254-1	6.773	5.974	31561919	41171965	696.975	698.314
27) L6 AR-1254-2	6.990	6.122	46597143	36504234	708.296	700.030
28) L6 AR-1254-3	7.355	6.532	49373386	58927028	711.552	708.211
29) L6 AR-1254-4	7.637	6.760	35595125	34454732	709.666	712.409
30) L6 AR-1254-5	8.055	7.181	42804650	53003573	716.622m	718.591

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

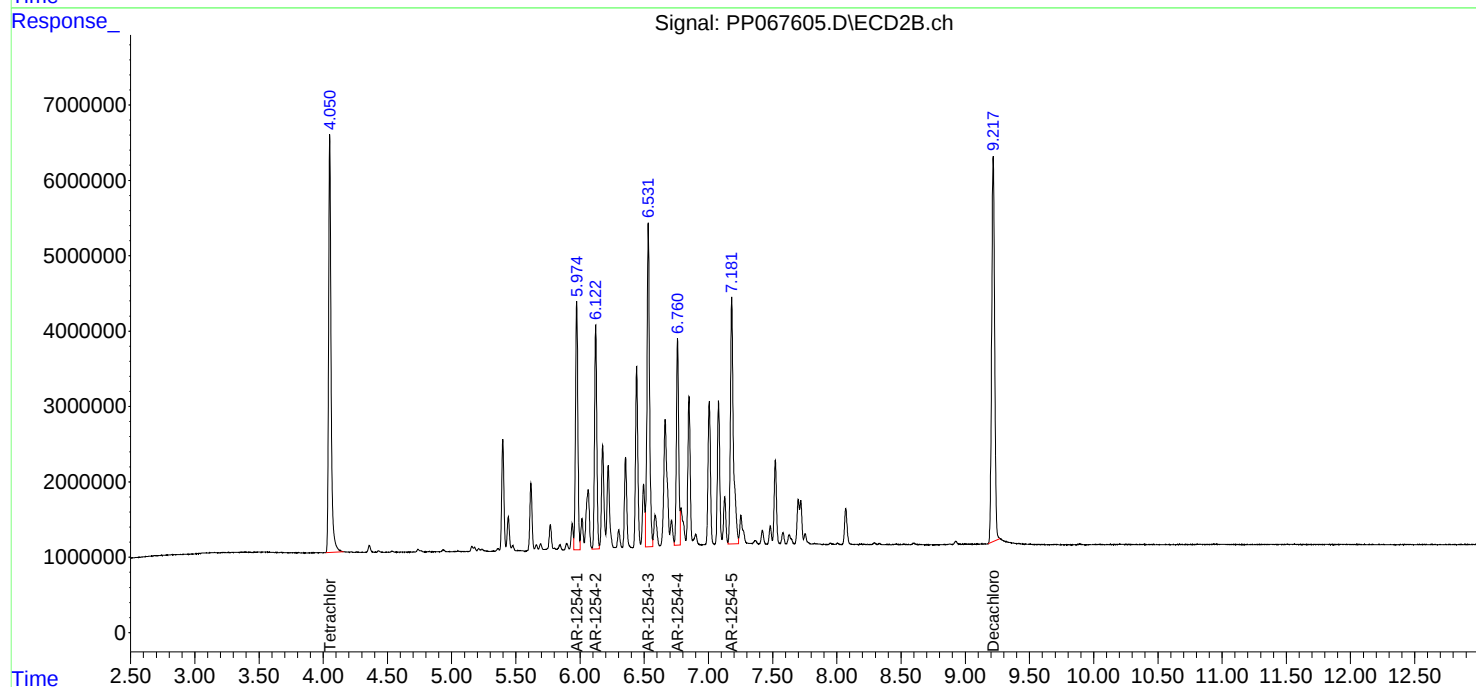
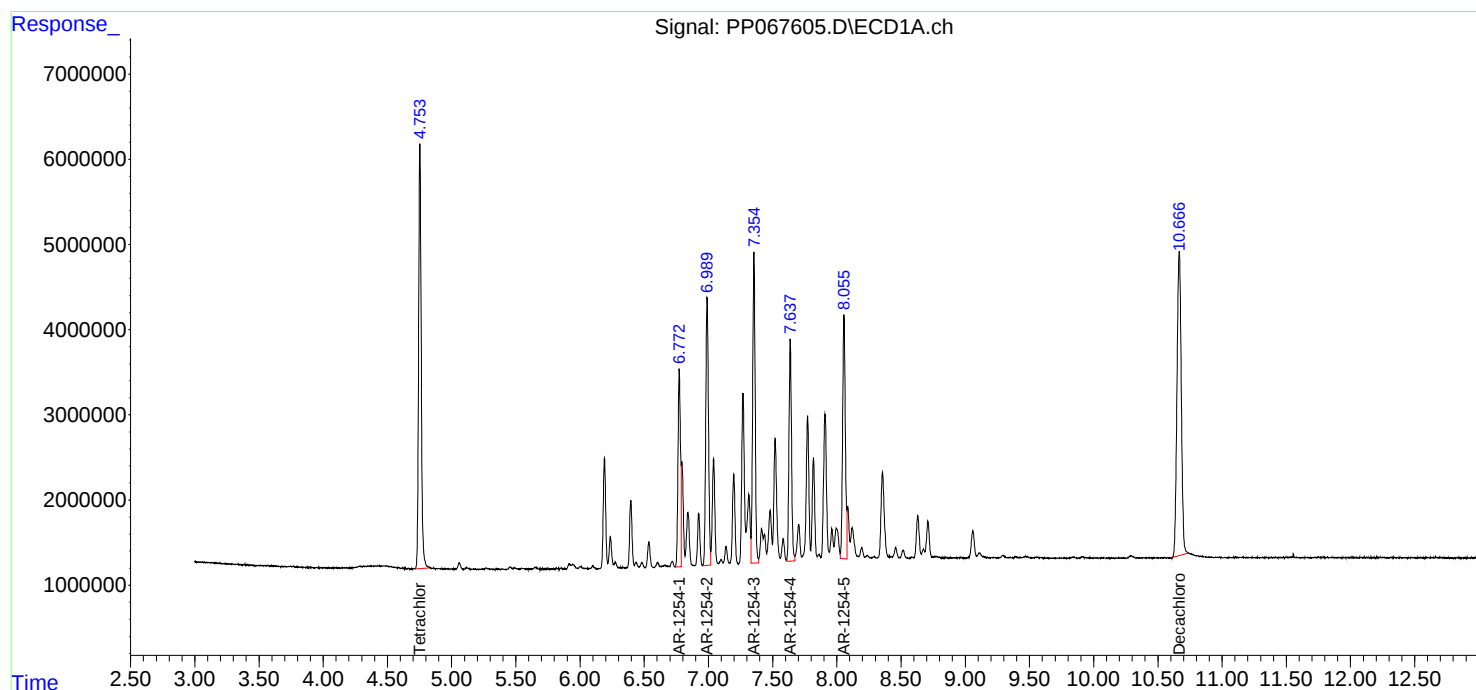
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

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 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067606.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 21:37
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

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 09 03:25:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 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	4.052	47807478	51948776	50.000	50.000
2) SA Decachlor...	10.665	9.217	59107523	57126860	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.773	5.975	22642078	29479569	500.000	500.000
27) L6 AR-1254-2	6.990	6.122	32893849	26073326	500.000	500.000
28) L6 AR-1254-3	7.354	6.532	34694173	41602708	500.000	500.000
29) L6 AR-1254-4	7.637	6.760	25078789	24181840	500.000	500.000
30) L6 AR-1254-5	8.055	7.182	29926276	36880207	501.016m	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

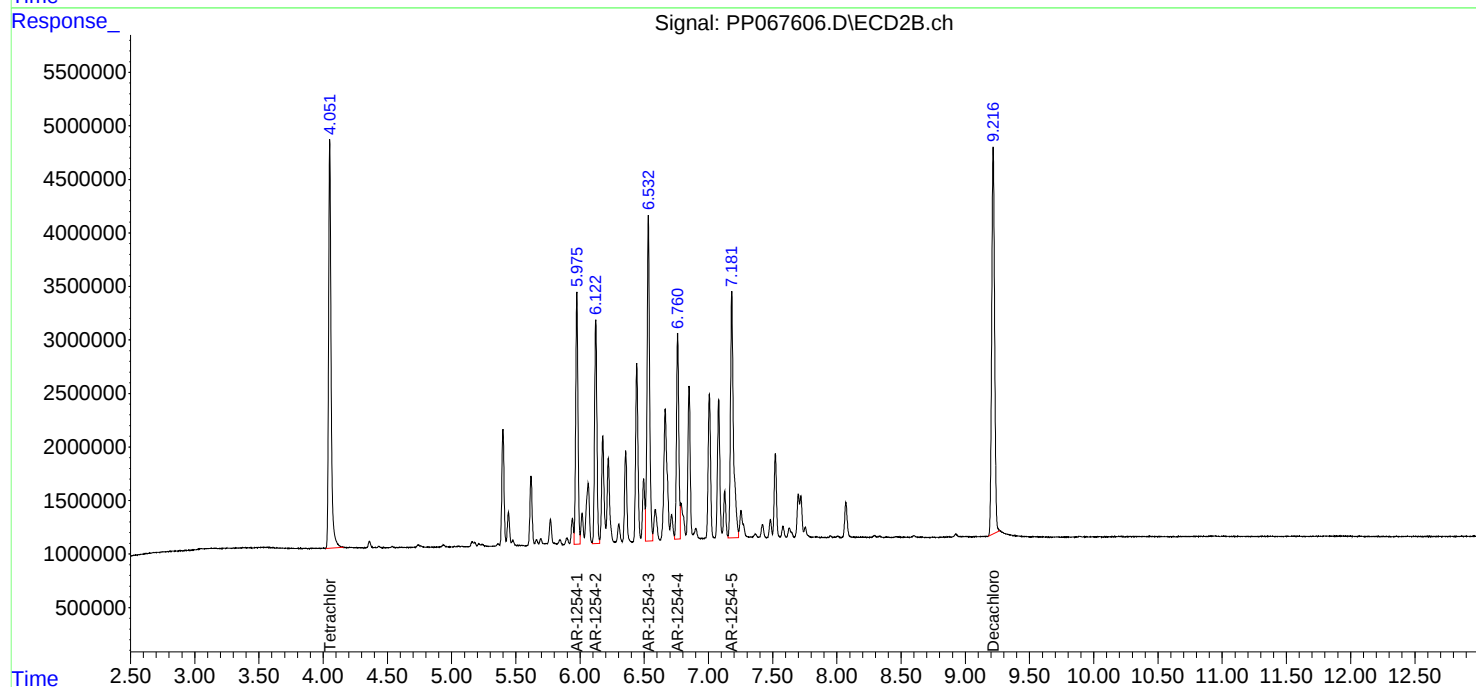
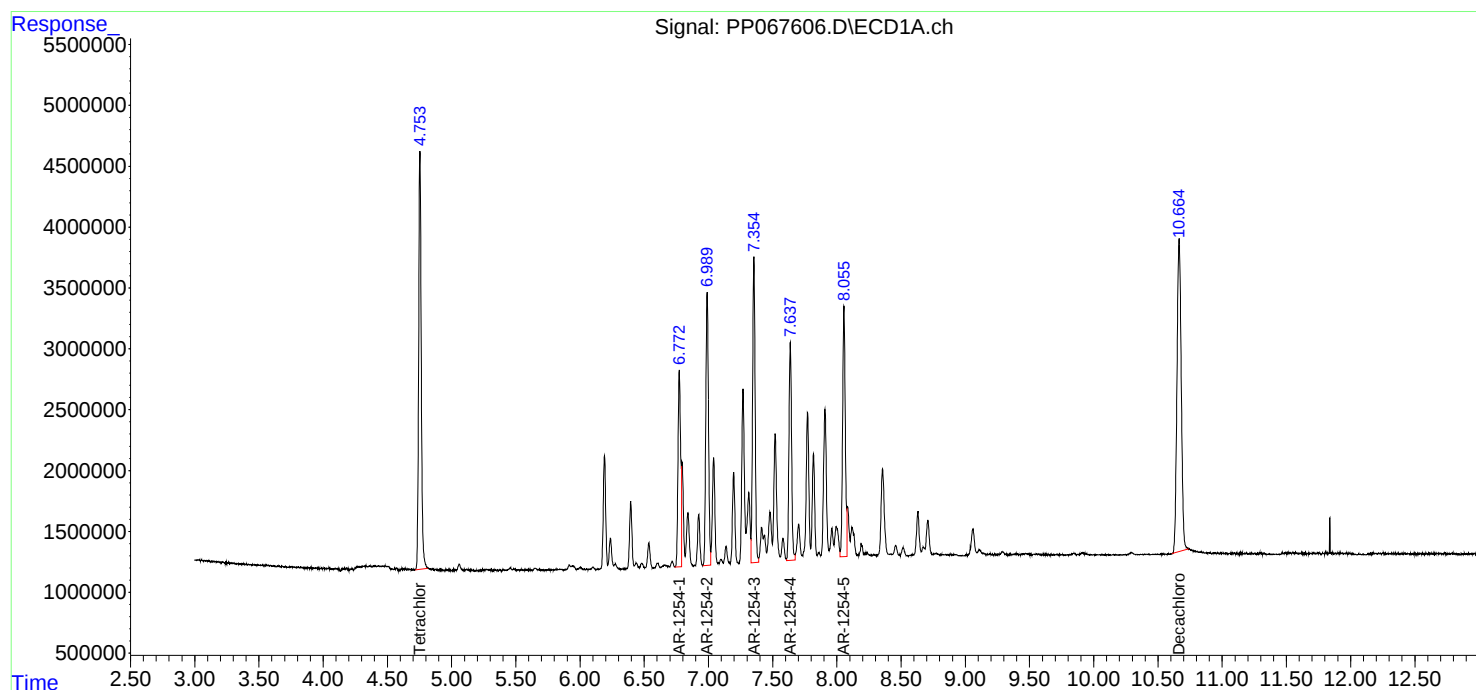
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

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 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067607.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 21:53
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:26:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 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	4.052	24728991	26617685	25.863	25.619
2) SA Decachlor...	10.667	9.218	32450308	31106143	27.450	27.225
Target Compounds						
26) L6 AR-1254-1	6.773	5.975	12217138	16021364	269.788	271.737
27) L6 AR-1254-2	6.990	6.123	17906285	14230610	272.183	272.896
28) L6 AR-1254-3	7.355	6.533	18695673	22271744	269.435	267.672
29) L6 AR-1254-4	7.637	6.761	13605001	12984675	271.245	268.480
30) L6 AR-1254-5	8.056	7.182	16027101	19703311	268.321	267.126

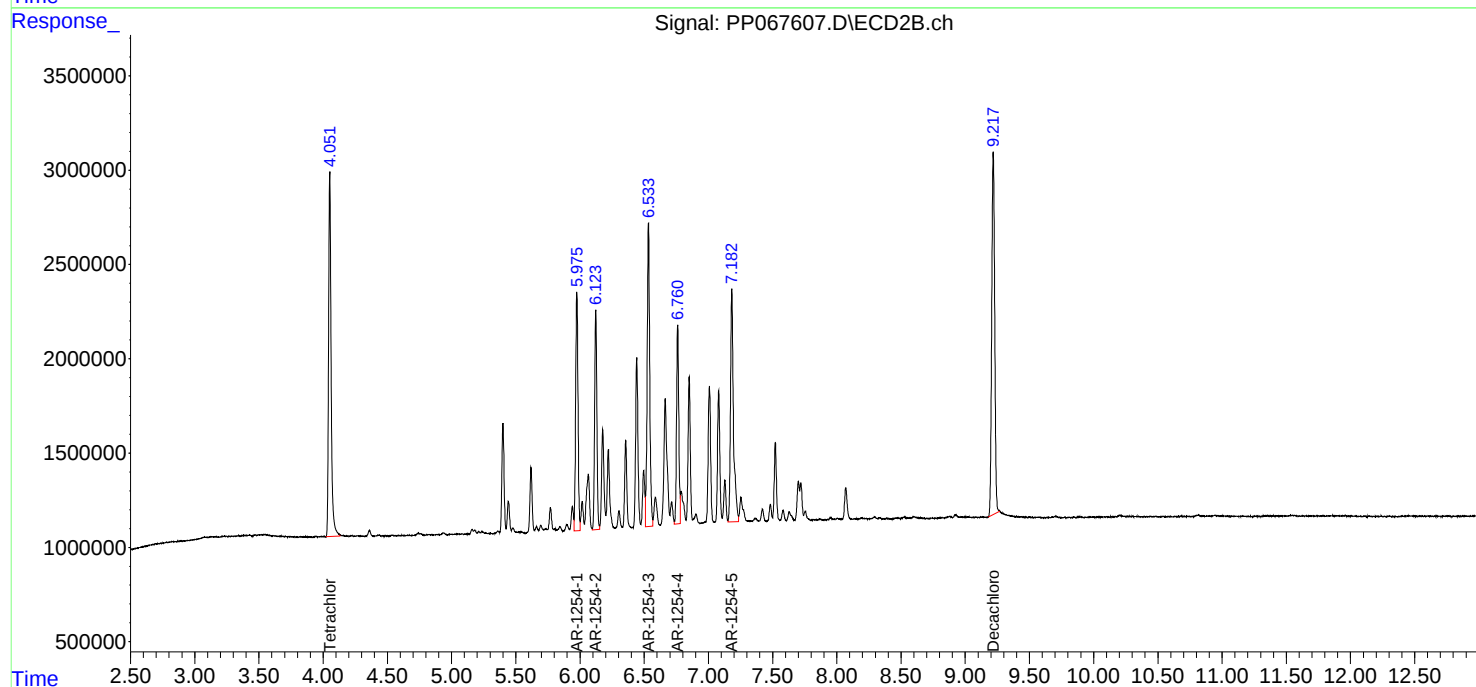
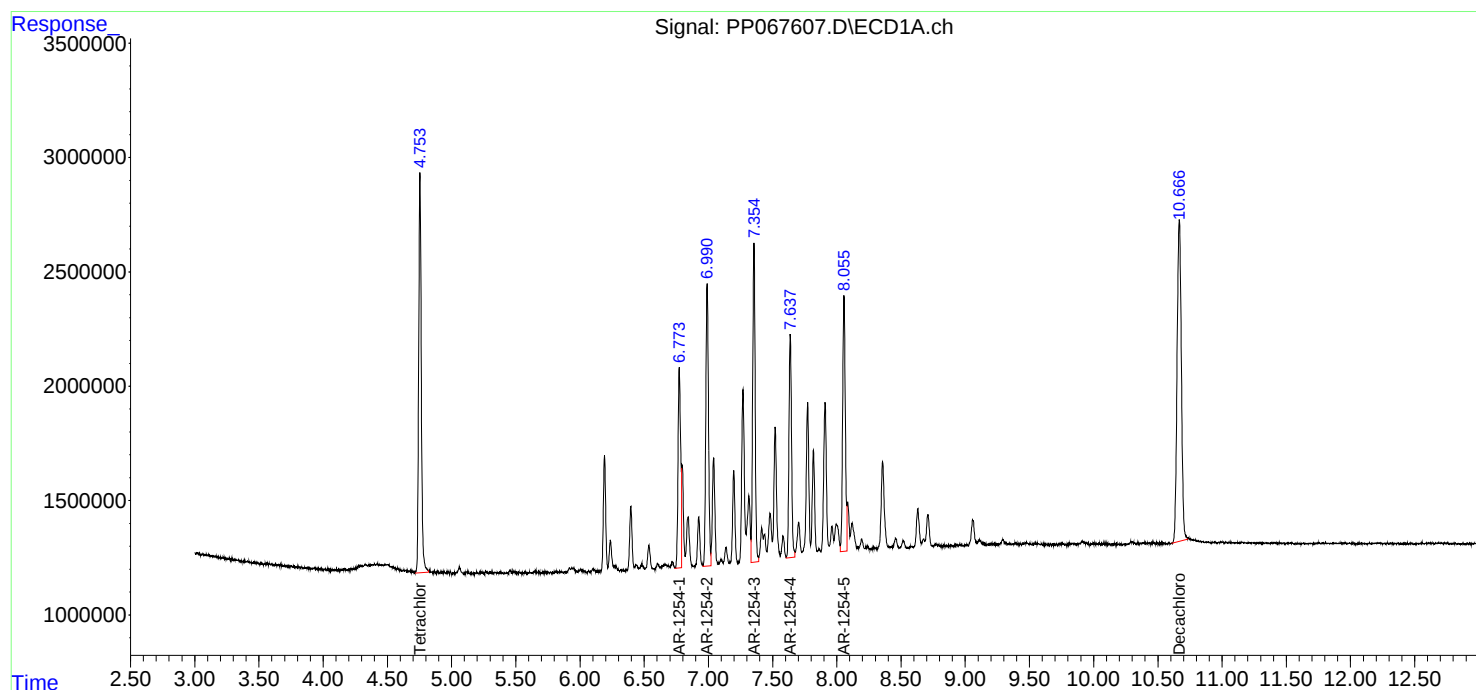
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 22:09
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

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 09 03:26:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 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	4394026	4972328	4.596	4.786
2) SA Decachlor...	10.664	9.218	6314277	6350903	5.341	5.559
Target Compounds						
26) L6 AR-1254-1	6.772	5.976	2366321	3200036	52.255m	54.275
27) L6 AR-1254-2	6.990	6.123	3556583	2872212	54.062	55.080
28) L6 AR-1254-3	7.355	6.533	3660885	4425126	52.759	53.183
29) L6 AR-1254-4	7.637	6.760	2574785	2544683	51.334	52.616m
30) L6 AR-1254-5	8.056	7.182	3061843	3818409	51.260	51.768

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

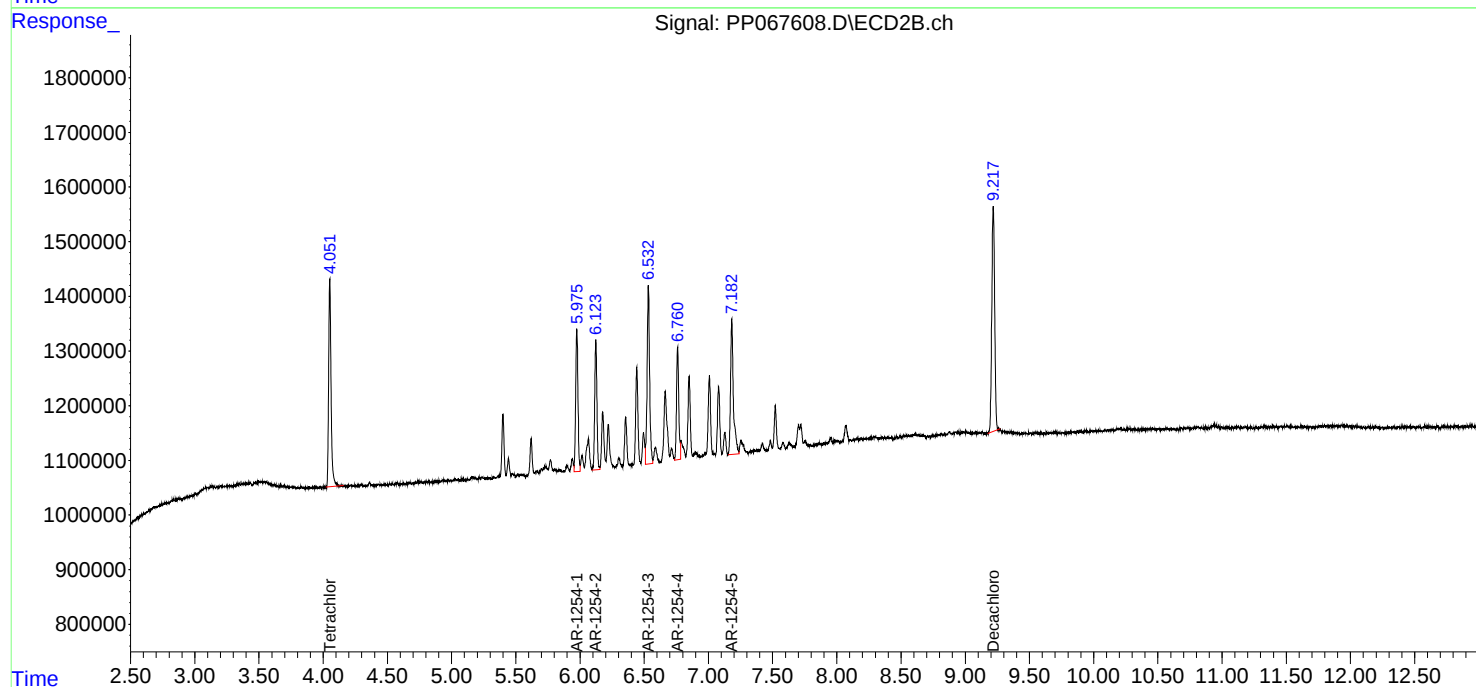
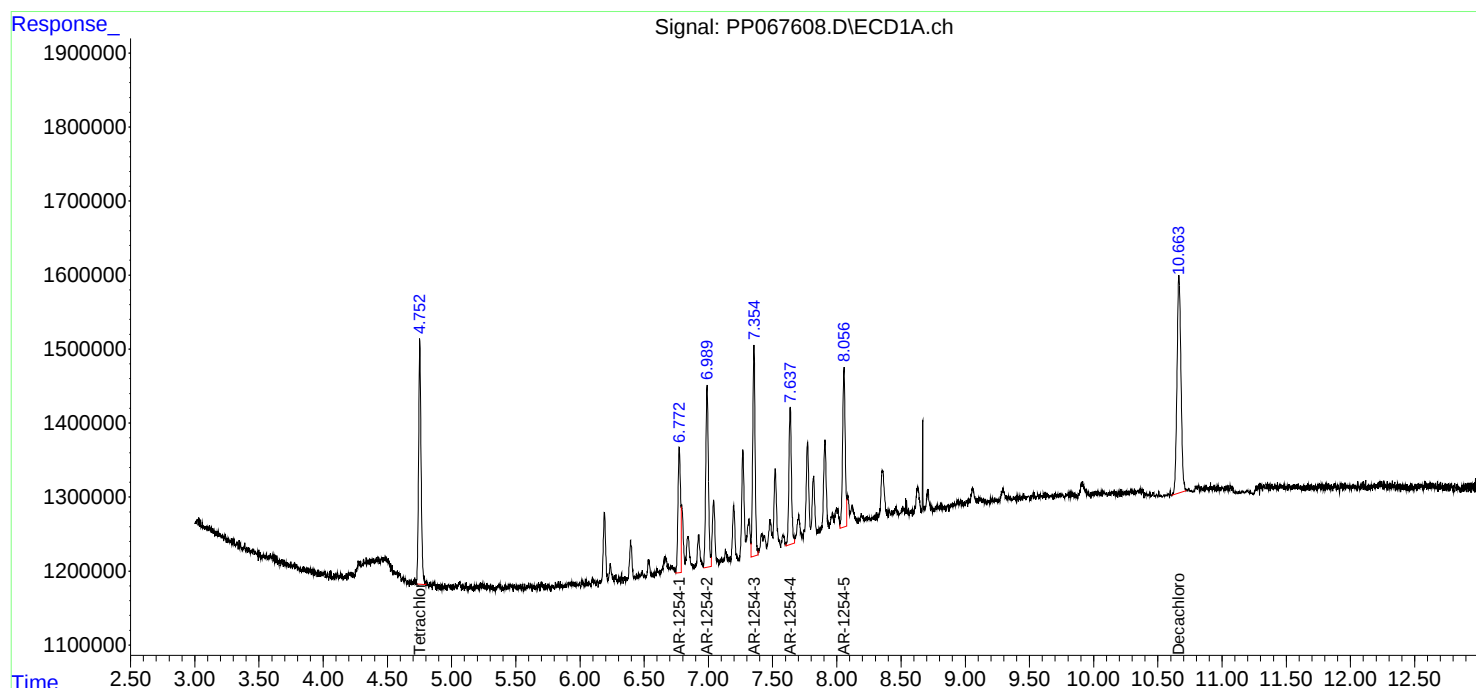
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

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 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067609.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 22:25
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

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 09 04:02:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:00:50 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	46189834	49400193	50.000	50.000
2) SA Decachlor...	10.664	9.217	57664981	56385121	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.373	7.219	35885658	39336733	500.000	500.000
37) L8 AR-1262-2	8.709	7.482	60790127	35481005	500.000	500.000
38) L8 AR-1262-3	9.048	8.007	44257142	28549651	500.670m	500.000
39) L8 AR-1262-4	9.140	8.070	34972436	50218224	500.000	500.000
40) L8 AR-1262-5	9.842	8.598	23395635	25008878	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

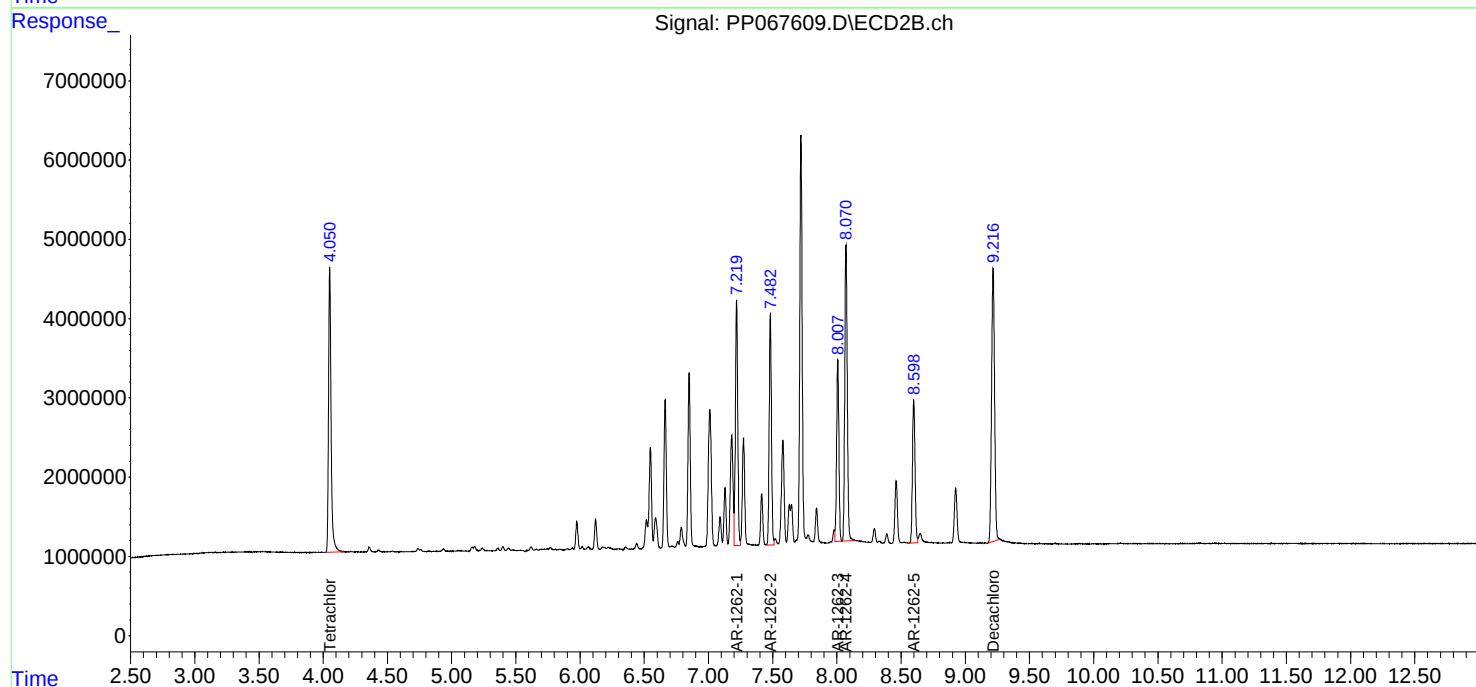
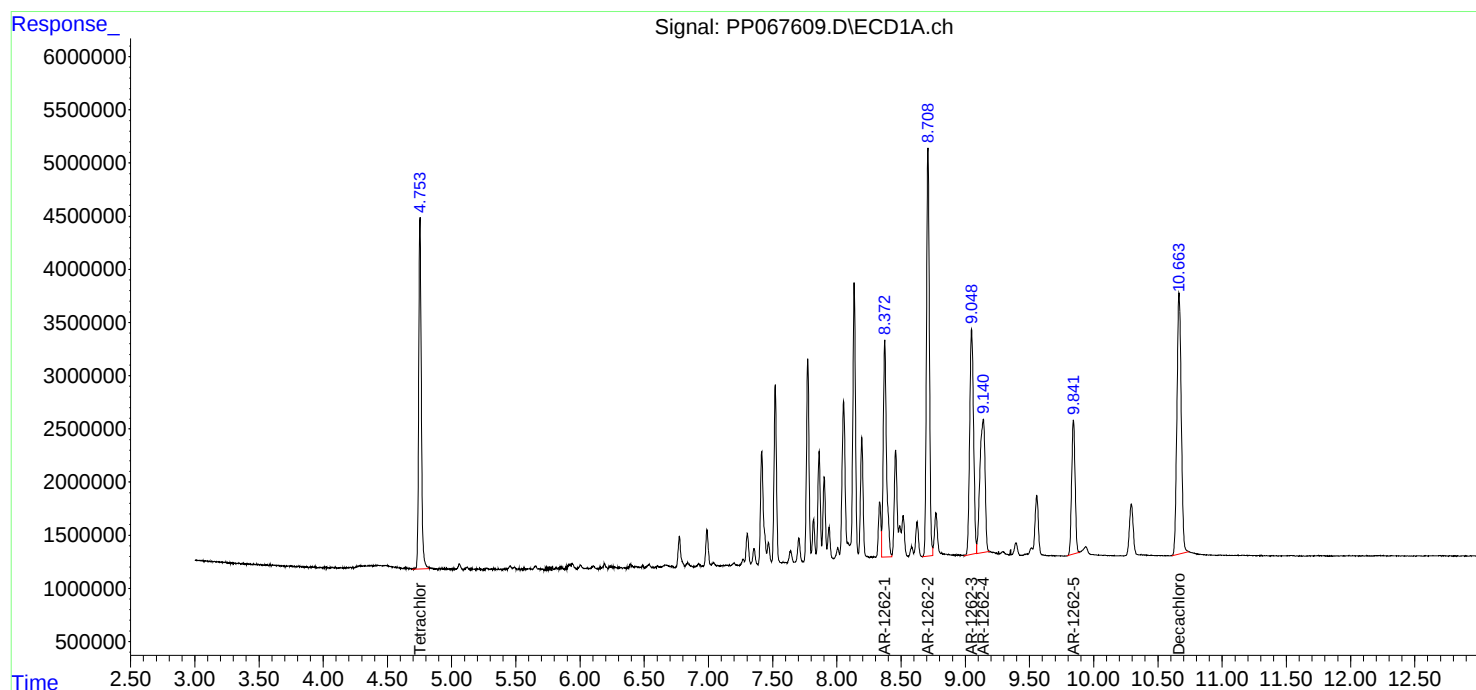
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

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 09 04:02:26 2024
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067610.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 22:42
 Operator : YP\AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

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 09 04:57:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 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...	4.755	4.051	90812575	97016985	95.024	96.337
2) SA Decachlor...	10.666	9.217	175.8E6	175.5E6	90.038	92.883
Target Compounds						
41) L9 AR-1268-1	9.045	8.006	139.5E6	147.0E6	925.475m	929.738m
42) L9 AR-1268-2	9.145	8.072	125.7E6	133.1E6	920.211	933.699
43) L9 AR-1268-3	9.396	8.291	110.7E6	117.4E6	925.055	927.652
44) L9 AR-1268-4	9.844	8.599	48063749	51956547	911.676	948.161
45) L9 AR-1268-5	10.295	8.926	348.4E6	359.3E6	936.060	959.229

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

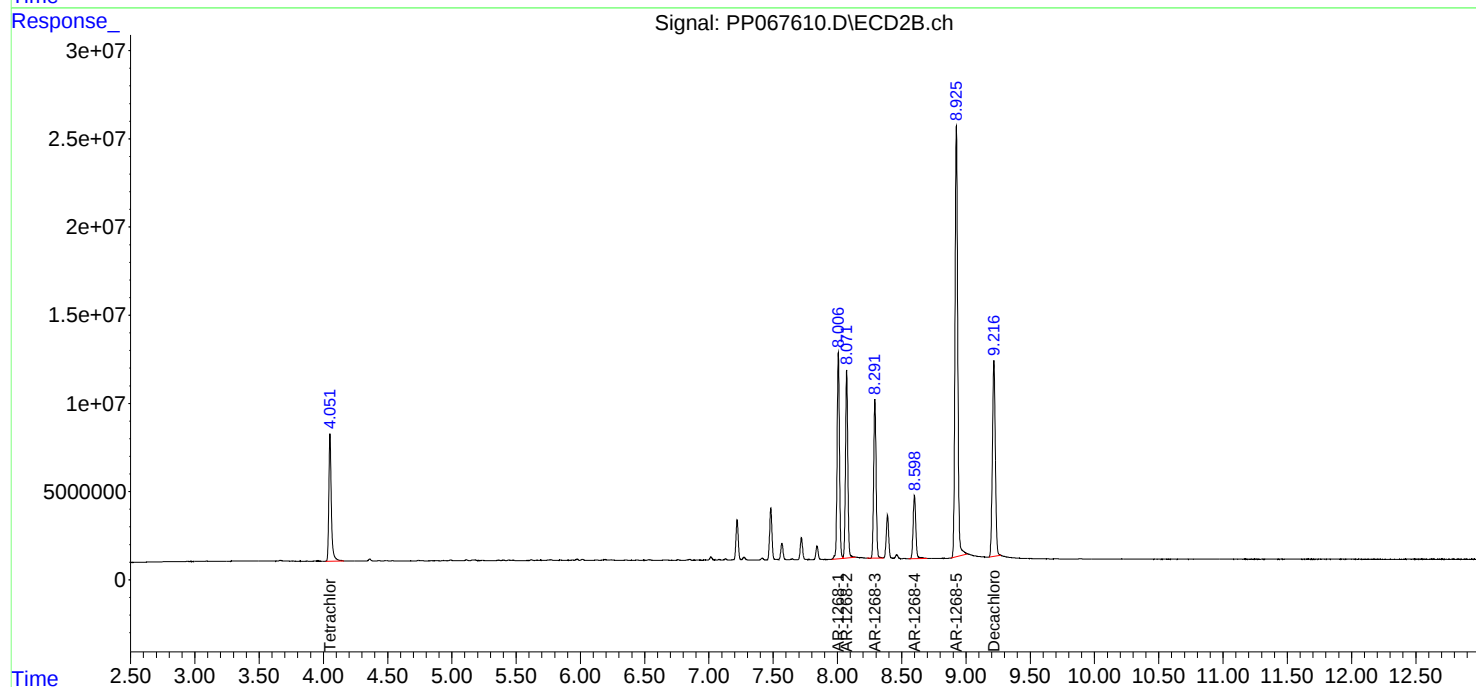
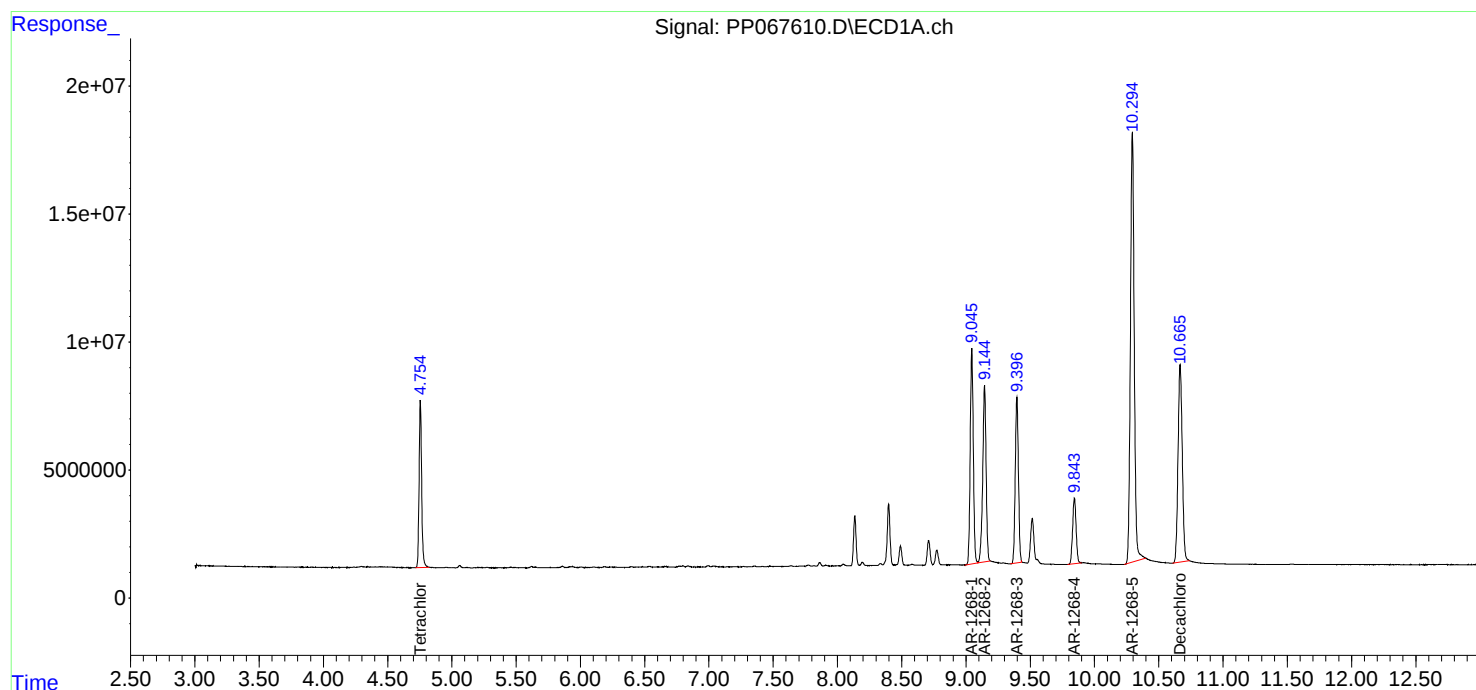
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

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 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 22:58
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

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 09 04:58:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 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	69222191	74341167	72.432	73.820
2) SA Decachlor...	10.665	9.218	137.1E6	135.2E6	70.184	71.539
Target Compounds						
41) L9 AR-1268-1	9.044	8.008	108.4E6	113.9E6	718.757m	720.350m
42) L9 AR-1268-2	9.144	8.073	97566346	102.9E6	714.368	722.244
43) L9 AR-1268-3	9.394	8.293	87555808	91128240	731.858	720.283
44) L9 AR-1268-4	9.841	8.600	37417513	40464284	709.738	738.438
45) L9 AR-1268-5	10.294	8.927	267.5E6	273.3E6	718.811	729.610

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

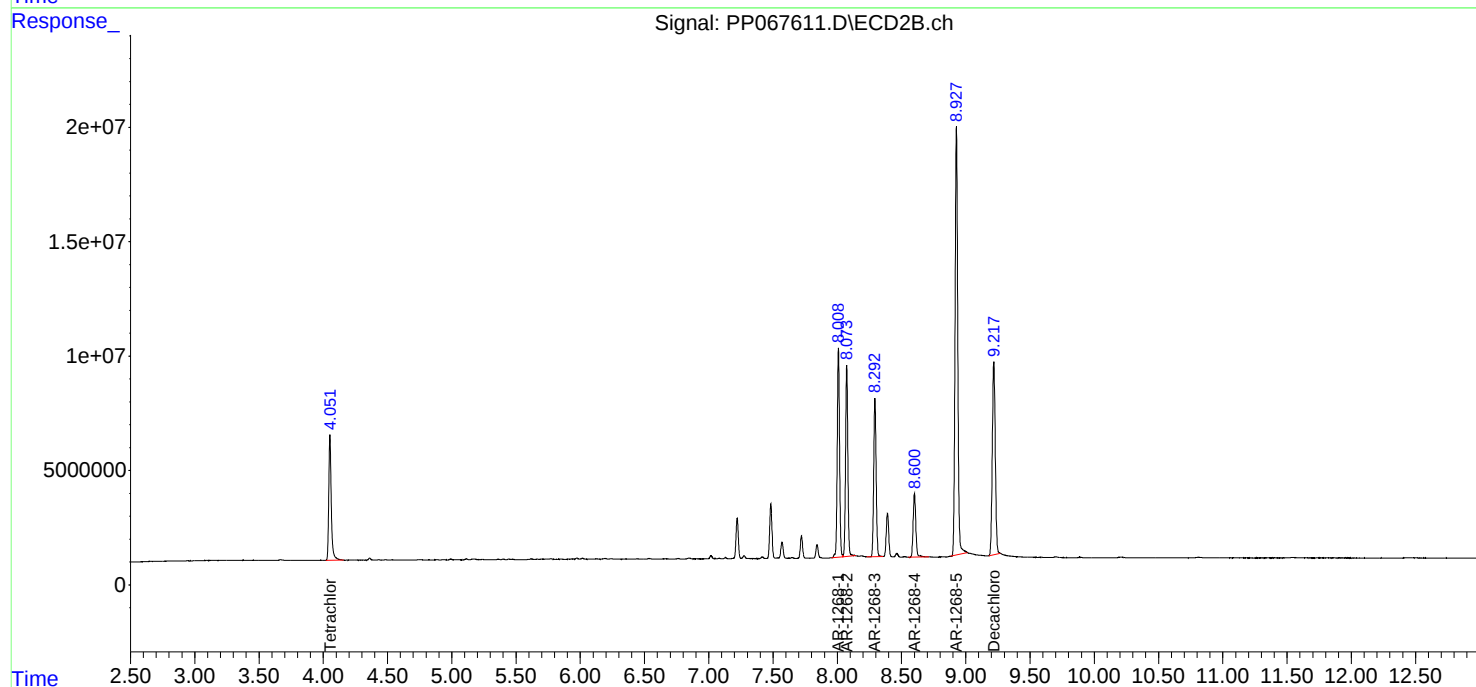
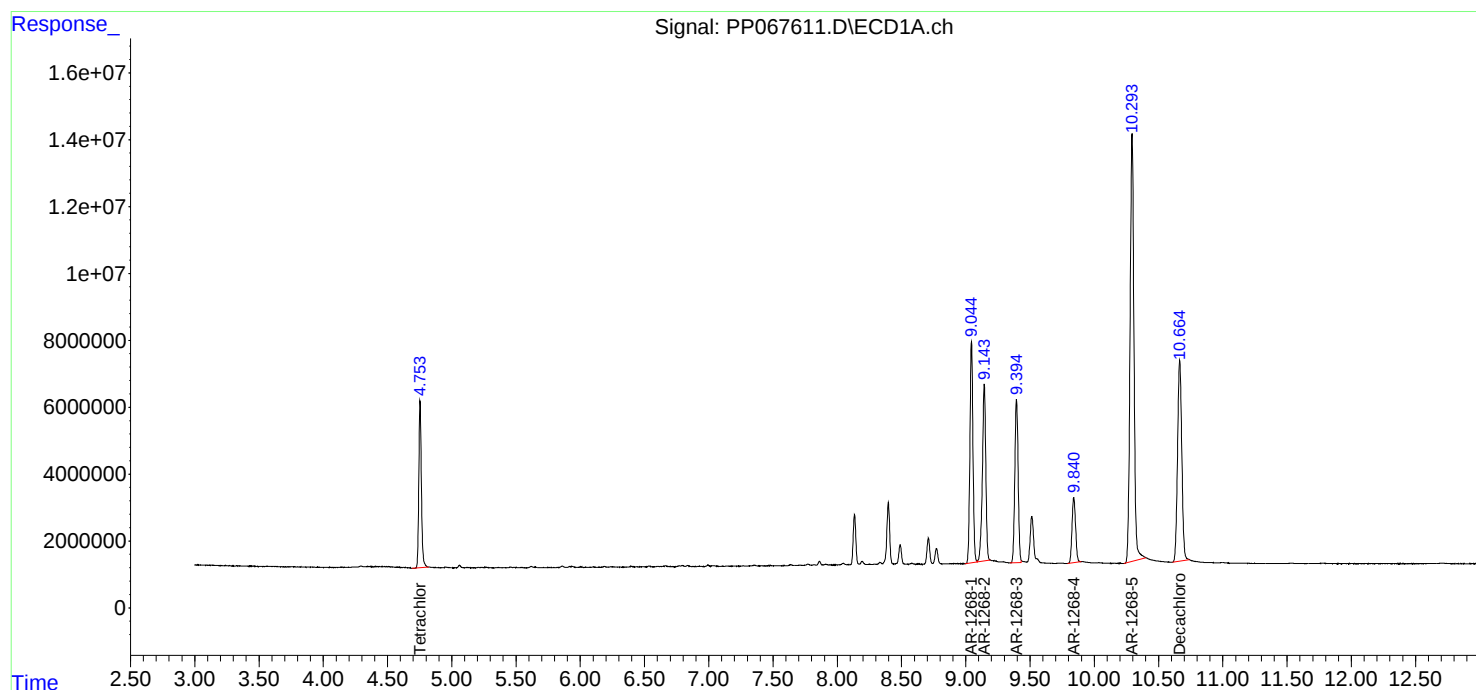
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

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 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067612.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 23:14
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

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 09 04:47:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 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	47784228	50352989	50.000	50.000
2) SA Decachlor...	10.665	9.217	97646544	94483308	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	9.043	8.007	75498831	79009584	500.821m	499.762m
42) L9 AR-1268-2	9.144	8.073	68288565	71261711	500.000	500.000
43) L9 AR-1268-3	9.395	8.292	59817506	63258627	500.000	500.000
44) L9 AR-1268-4	9.843	8.599	26360092	27398577	500.000	500.000
45) L9 AR-1268-5	10.294	8.925	186.1E6	187.3E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

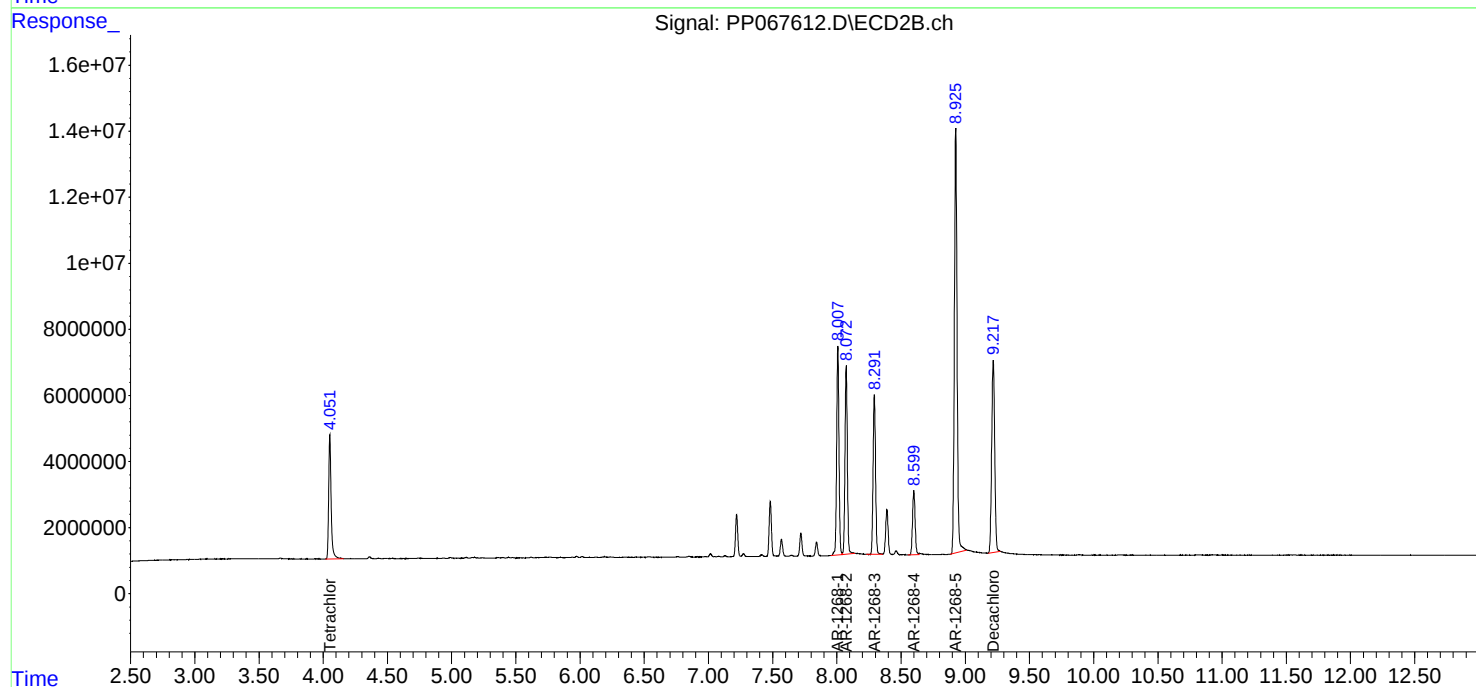
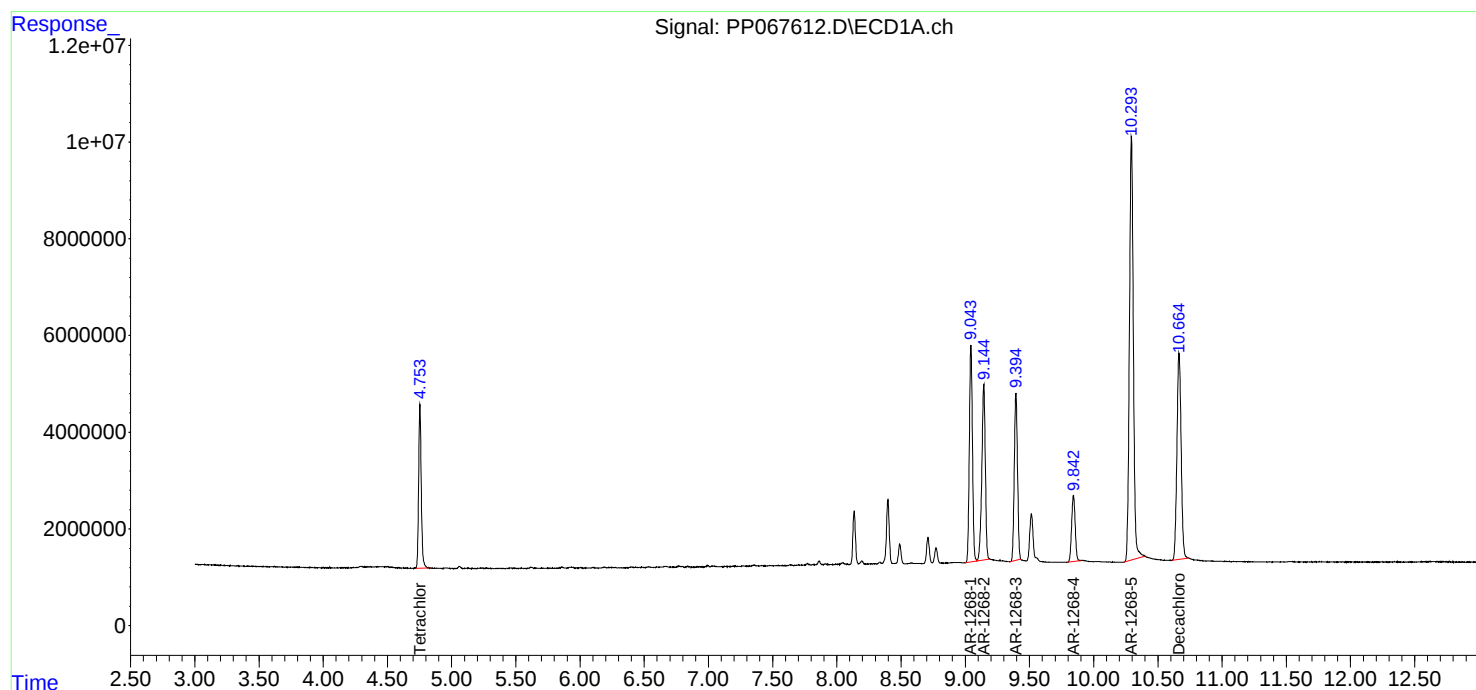
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

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 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067613.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 23:30
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

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 09 04:58:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 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	4.050	24666919	26616902	25.811	26.430
2) SA Decachlor...	10.666	9.216	52348103	51189487	26.805	27.089
Target Compounds						
41) L9 AR-1268-1	9.042	8.006	40679699	42019978	269.849m	265.790m
42) L9 AR-1268-2	9.144	8.071	36435946	37805506	266.779	265.258
43) L9 AR-1268-3	9.394	8.290	32633567	33939255	272.776	268.258
44) L9 AR-1268-4	9.841	8.598	13910268	15250650	263.851	278.311
45) L9 AR-1268-5	10.293	8.924	97405753	97904672	261.724	261.345

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1268ICC250

Manual Integrations

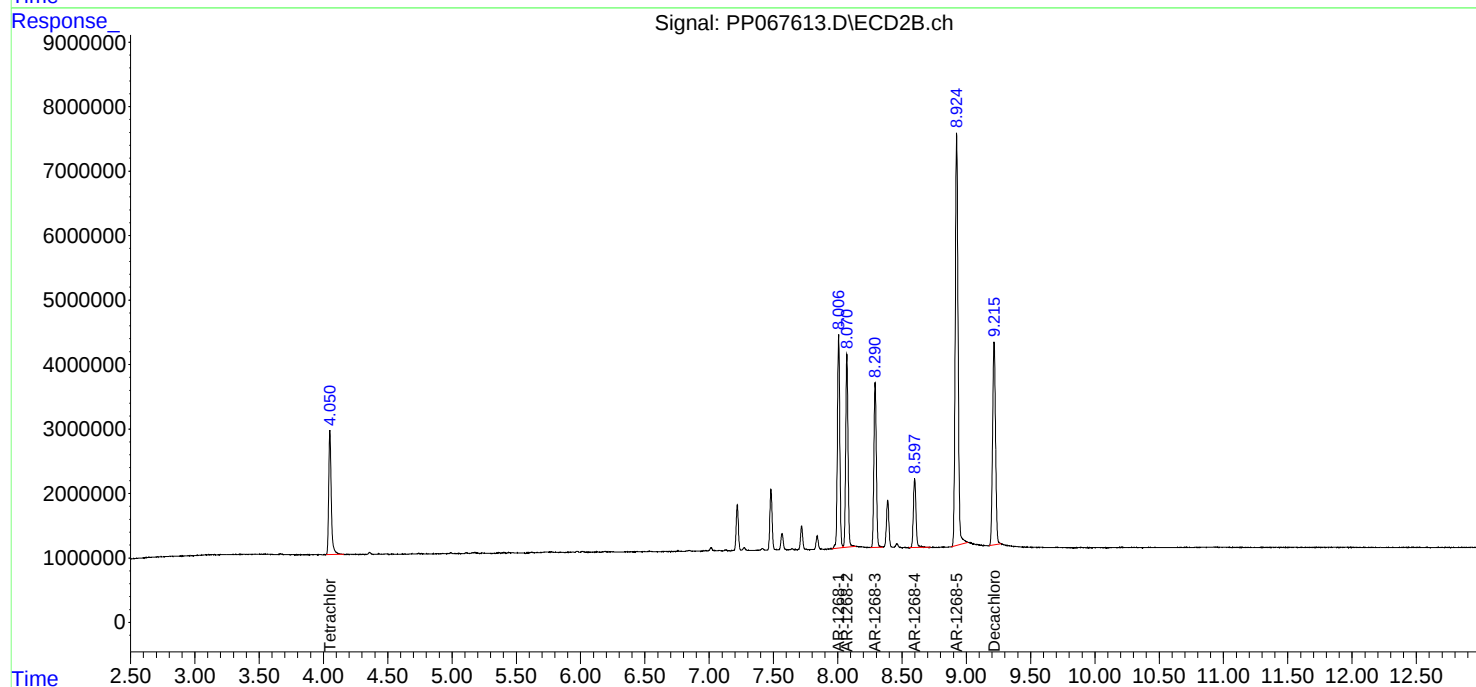
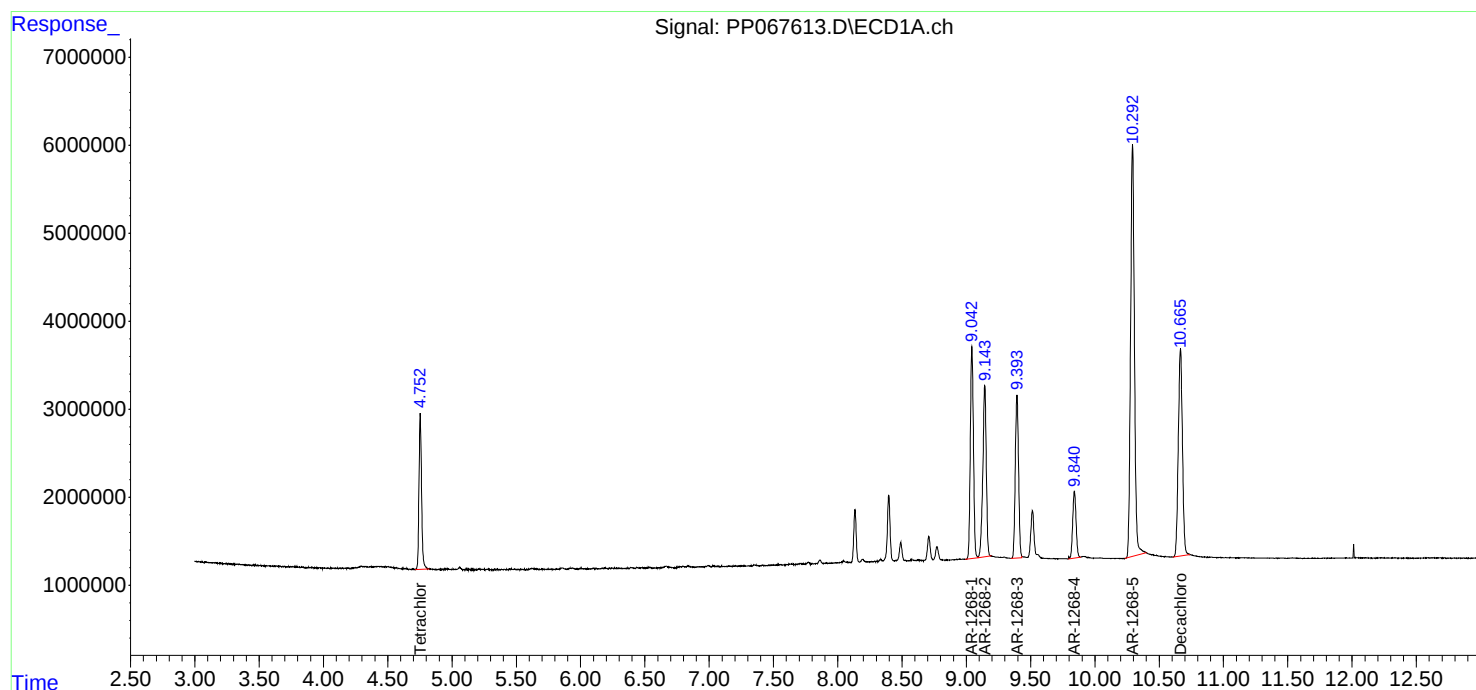
APPROVED

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 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067614.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 23:46
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

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 09 04:58:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 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	4.052	4444051	4895264	4.650	4.861
2) SA Decachlor...	10.666	9.216	10815395	10765076	5.538	5.697
Target Compounds						
41) L9 AR-1268-1	9.043	8.008	8277031	8538939	54.906m	54.012m
42) L9 AR-1268-2	9.143	8.072	7244406	7593126	53.043	53.276
43) L9 AR-1268-3	9.395	8.292	6350522	6820279	53.082	53.908
44) L9 AR-1268-4	9.842	8.599	2389235	3033576	45.319	55.360
45) L9 AR-1268-5	10.293	8.926	20024327	20008093	53.804	53.409

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

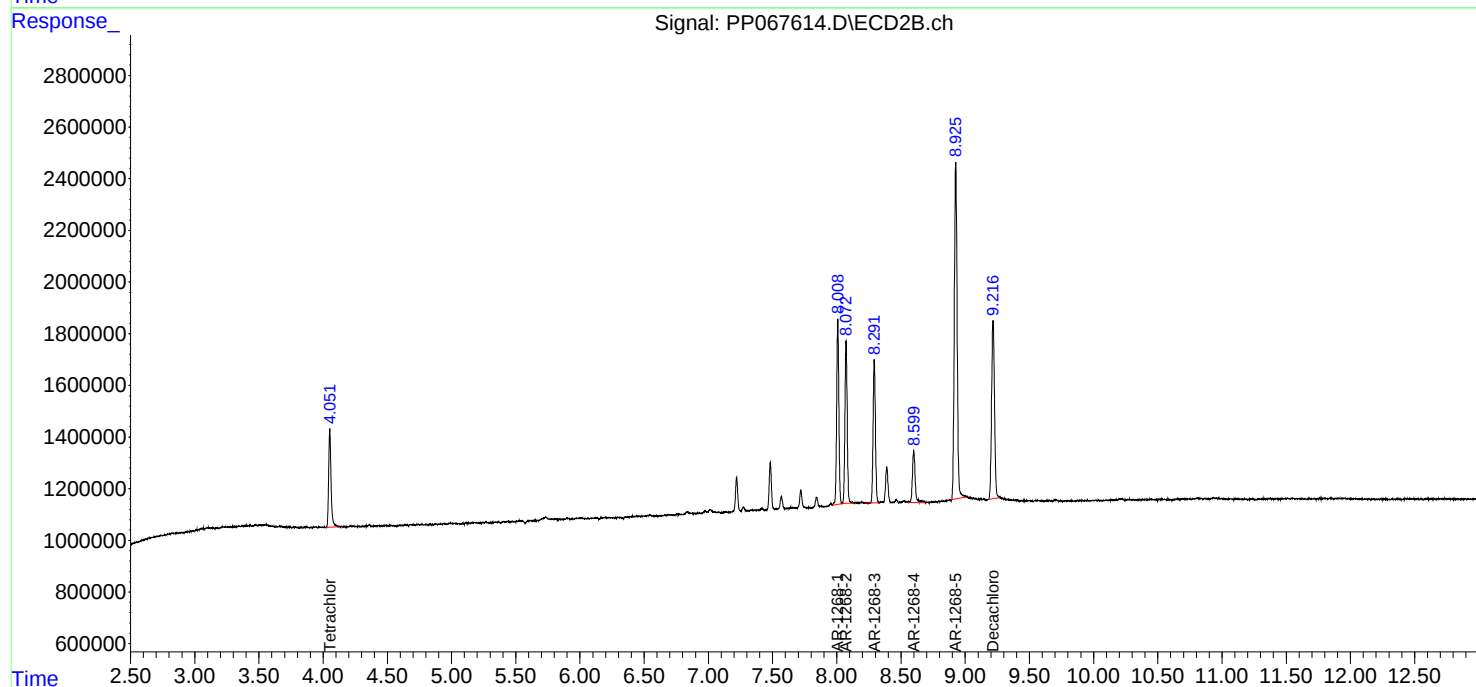
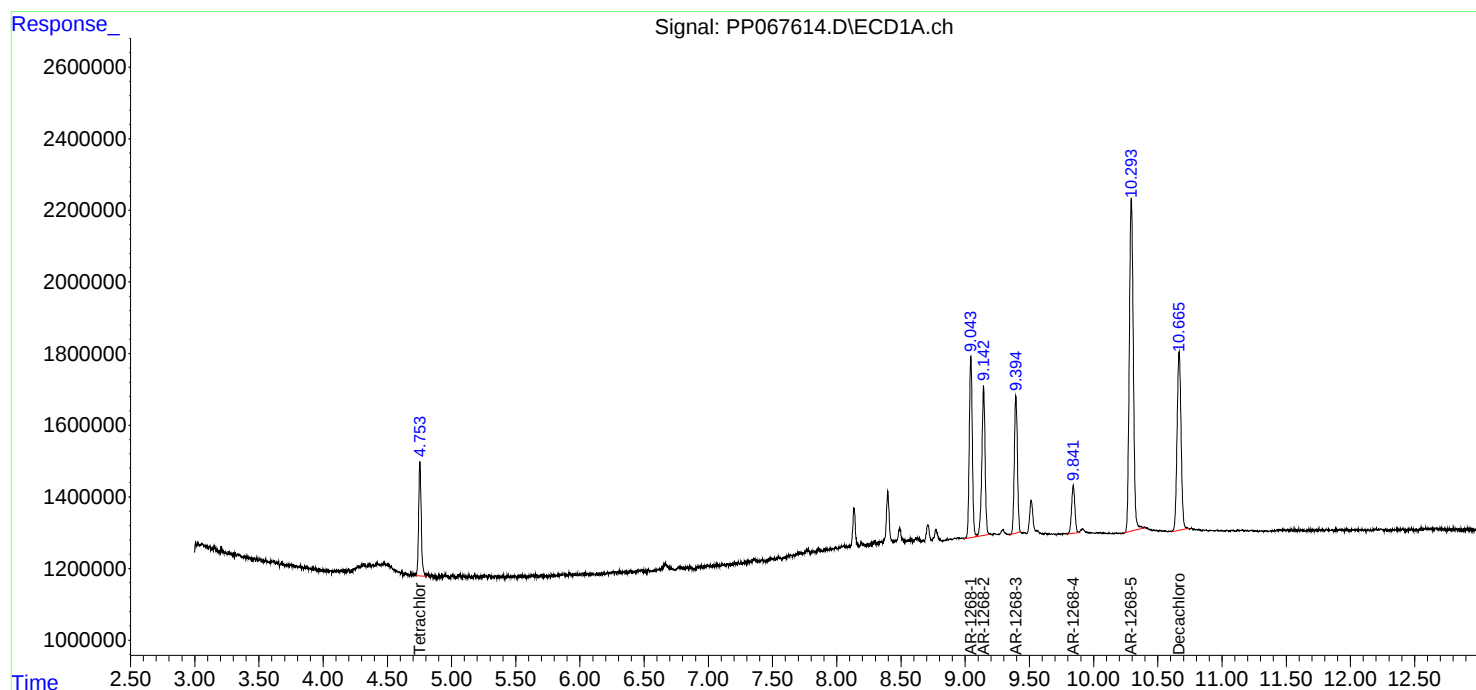
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

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 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067615.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2024 00:02
 Operator : YP\AJ
 Sample : PP100824ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 01:43:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:49:59 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	4.052	47818896	51563992	51.660	51.033
2) SA Decachlor...	10.666	9.217	58541510	56291764	50.848	50.195
Target Compounds						
3) L1 AR-1016-1	5.917	5.160	17263145	17512226	522.071	500.532
4) L1 AR-1016-2	5.940	5.180	24637155	24097092	505.161	500.266
5) L1 AR-1016-3	6.003	5.360	16248093	13652900	515.617	506.836
6) L1 AR-1016-4	6.102	5.400	12907015	12153746	501.367	504.617
7) L1 AR-1016-5	6.396	5.619	13858394	15642712	512.005	514.396
31) L7 AR-1260-1	7.519	6.663	27268126	28191941	504.744	494.926
32) L7 AR-1260-2	7.773	6.849	31860763	33140895	503.562	496.832
33) L7 AR-1260-3	8.133	7.007	26673983	31543437	514.457	495.179
34) L7 AR-1260-4	8.372	7.482	30787260	27615536	511.464	499.442
35) L7 AR-1260-5	8.710	7.720	54874539	60890572	509.456	497.885

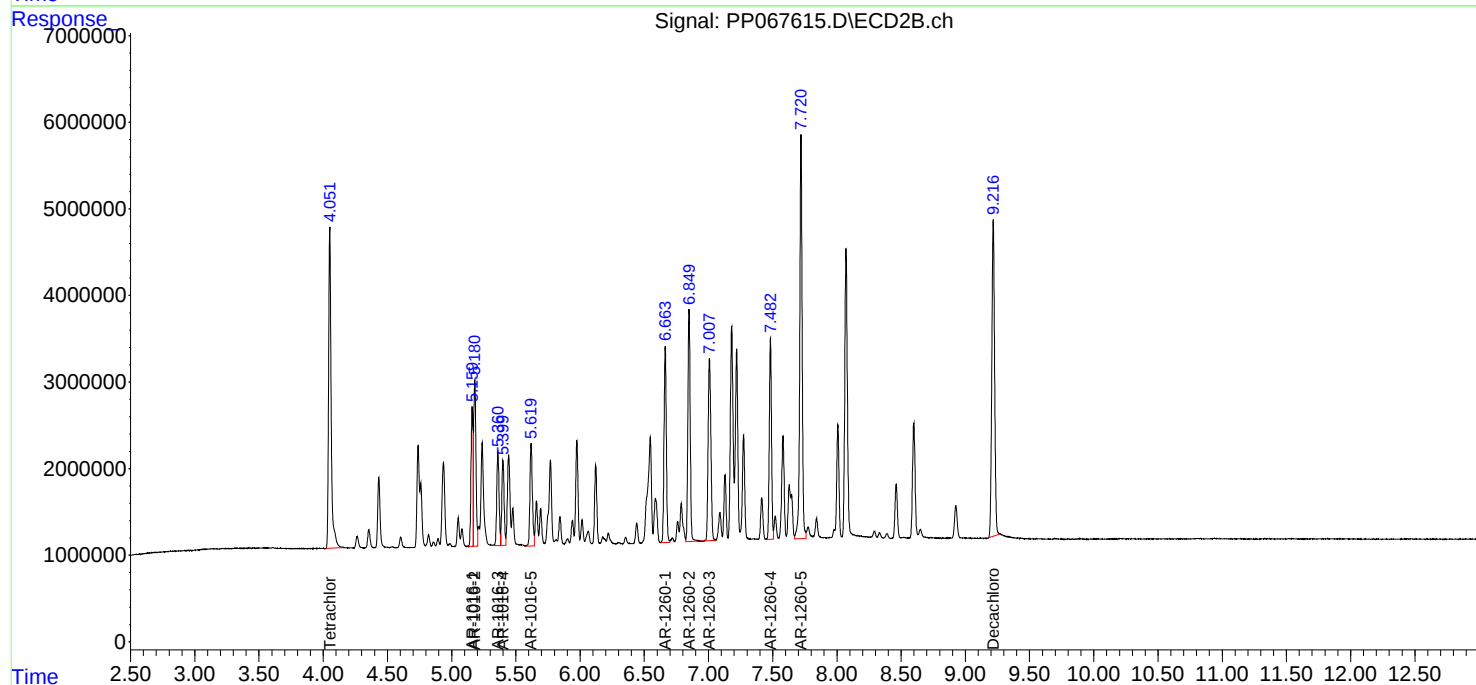
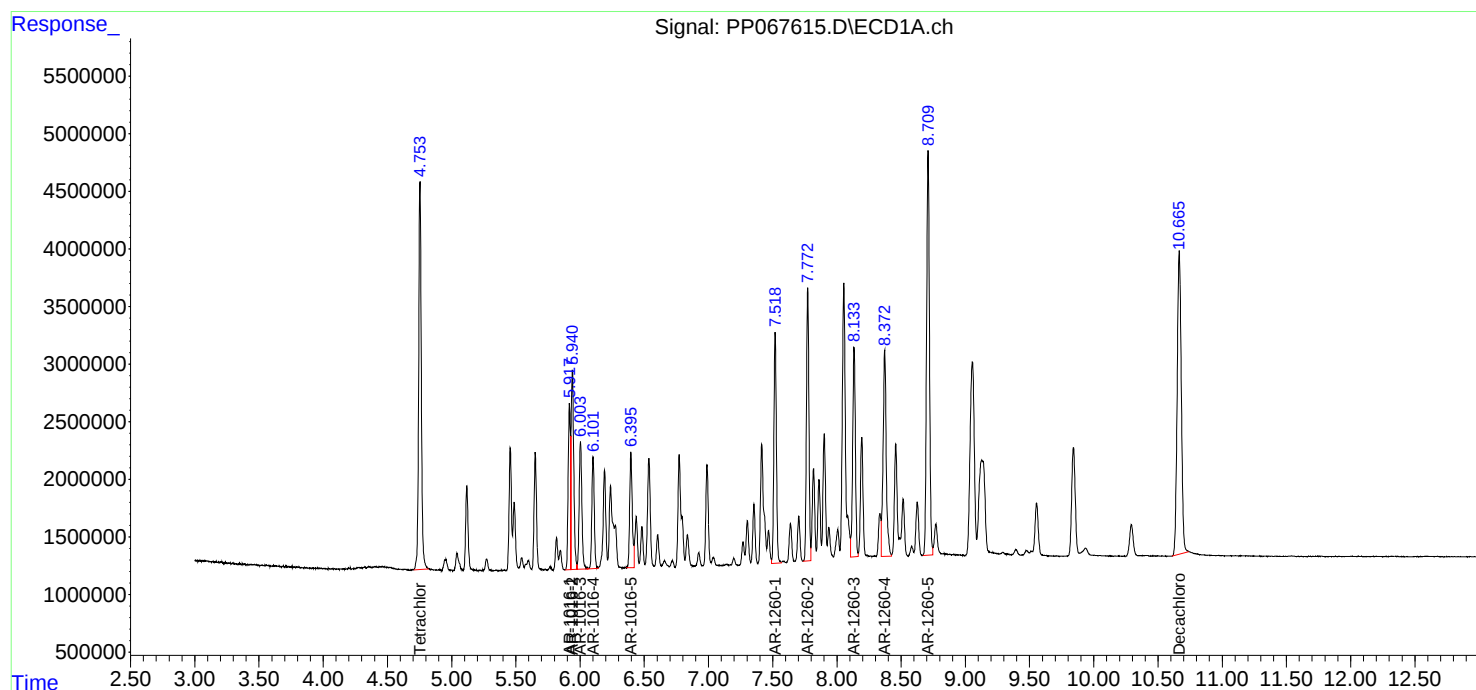
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067616.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2024 00:18
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824AR1242

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 09 02:36:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 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	48650594	52375624	51.902	51.231
2) SA Decachlor...	10.665	9.218	59346654	57254165	51.037	50.352
Target Compounds						
16) L4 AR-1242-1	5.917	5.160	14462482	15978995	517.679	549.552m
17) L4 AR-1242-2	5.939	5.180	20778833	19616005	511.357	488.596m
18) L4 AR-1242-3	6.003	5.361	13537133	11580619	502.031	514.808
19) L4 AR-1242-4	6.101	5.444	10883652	12214914	507.385	514.579
20) L4 AR-1242-5	6.835	5.974	12246250	14434941	507.598	503.845

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

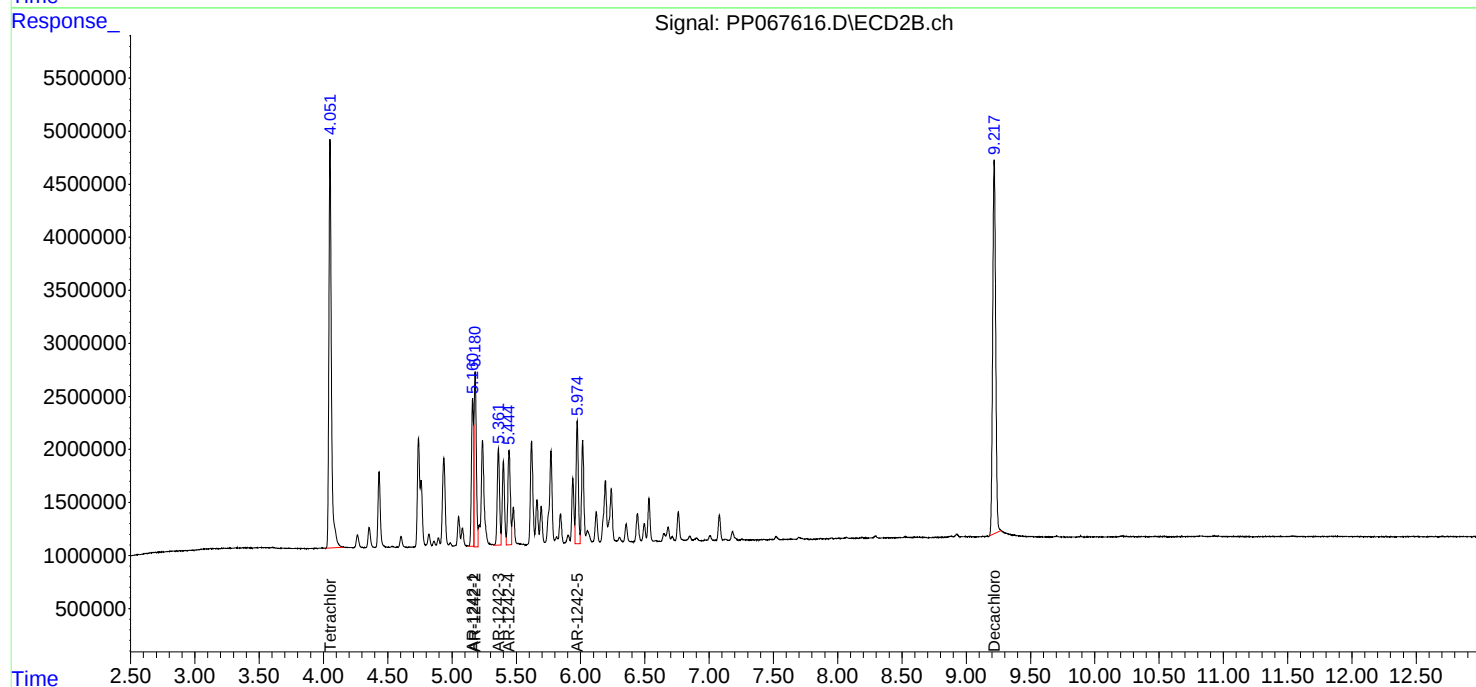
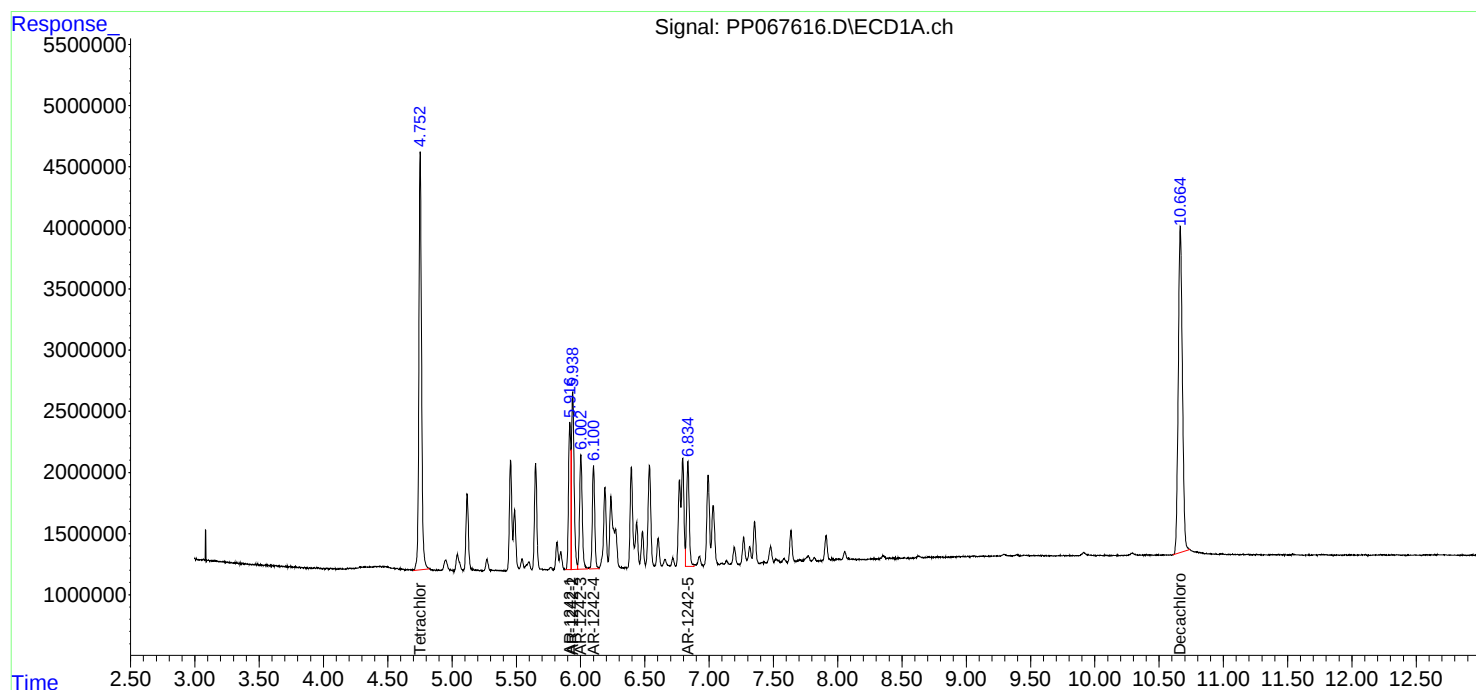
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

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 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067617.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2024 00:34
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:13:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 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	47929126	51603157	51.315	51.526
2) SA Decachlor...	10.666	9.217	59204707	57893421	50.009	50.840
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	11359469	11663900	530.249	514.649
22) L5 AR-1248-2	6.190	5.400	17221900	16975707	512.302	512.926
23) L5 AR-1248-3	6.396	5.444	18903781	17763189	516.138	515.254
24) L5 AR-1248-4	6.796	5.619	20803279	20588412	514.287	502.697
25) L5 AR-1248-5	6.835	6.017	20466751	18878098	516.042	504.180

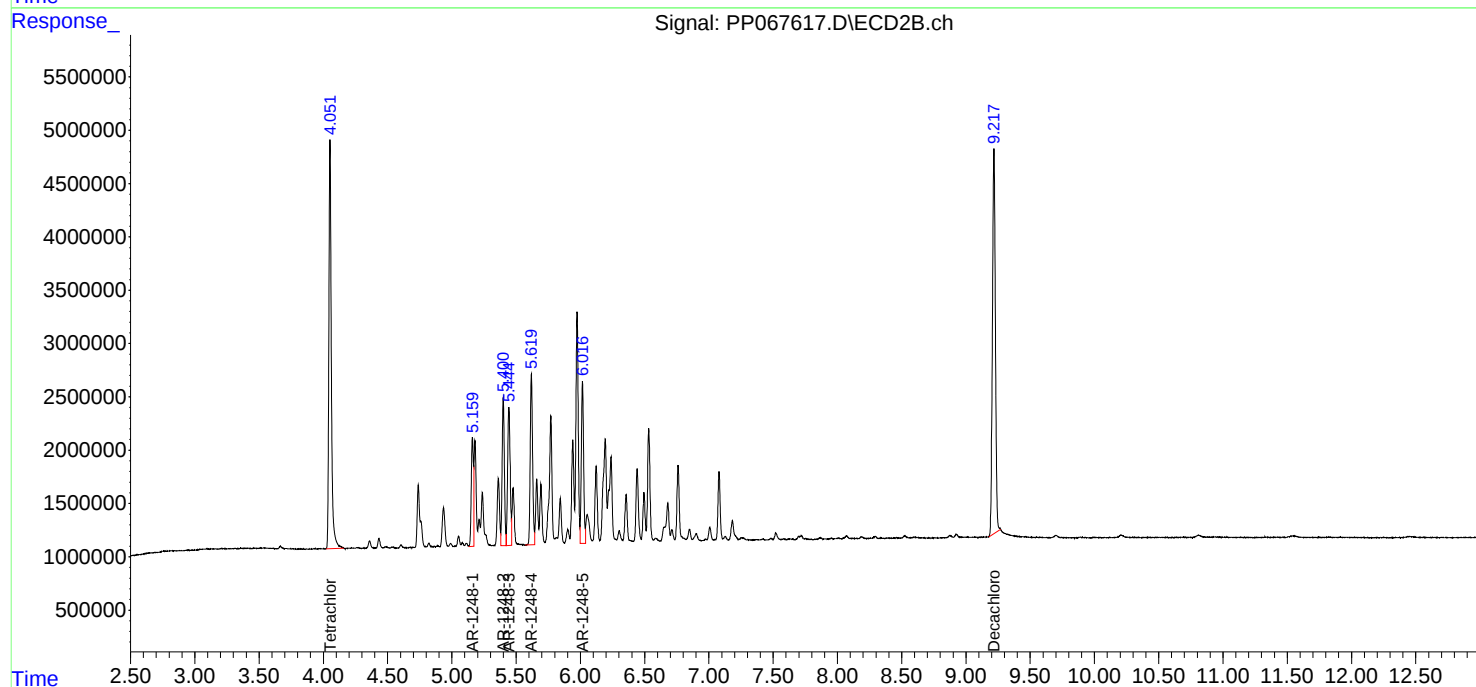
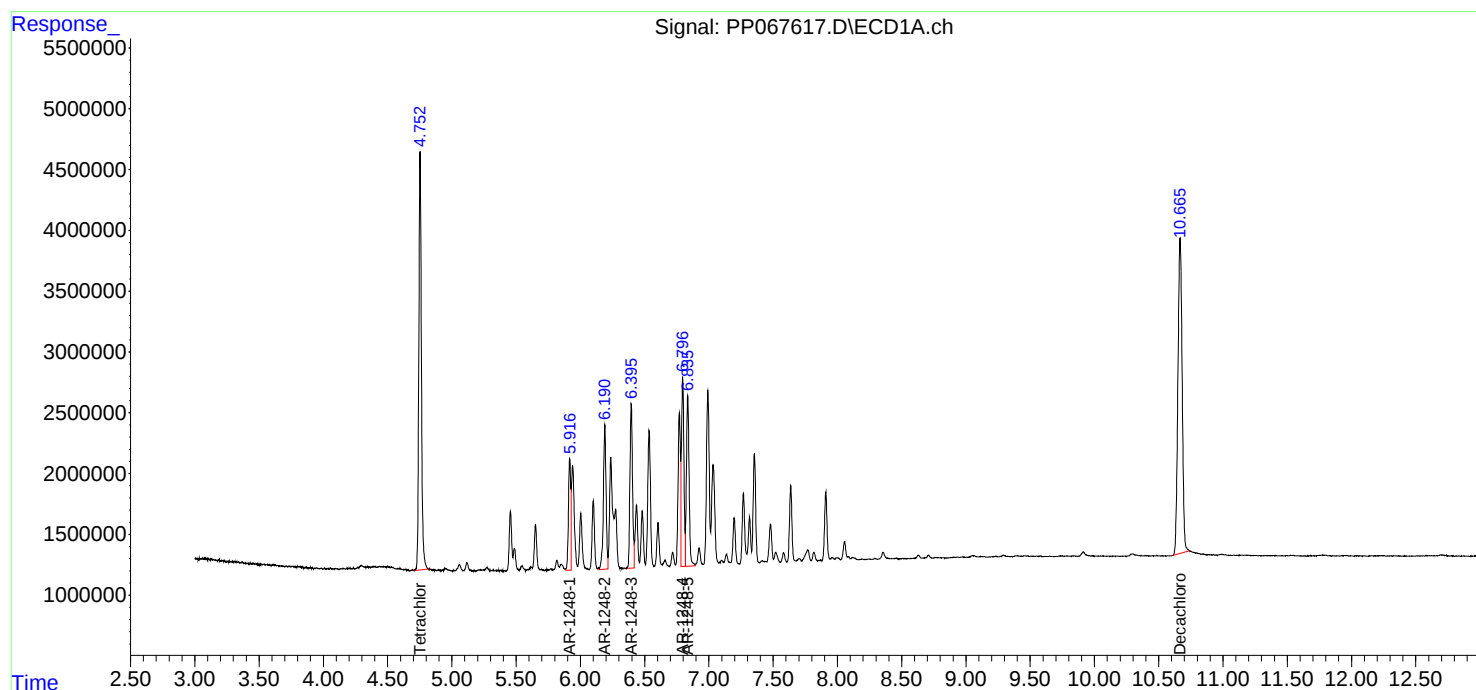
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067618.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2024 00:51
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824AR1254

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 09 03:43:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 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...	4.756	4.051	48530224	52089649	51.723	51.478
2) SA Decachlor...	10.668	9.217	60024597	58780254	50.717	50.845
Target Compounds						
26) L6 AR-1254-1	6.775	5.975	22815828	29677404	509.481	502.293
27) L6 AR-1254-2	6.991	6.123	33399032	26325396	505.298	501.778
28) L6 AR-1254-3	7.357	6.532	34711516	42198184	499.786	507.141
29) L6 AR-1254-4	7.639	6.760	25405512	24704816	509.082	511.760m
30) L6 AR-1254-5	8.057	7.182	29963770	37426268	505.560m	508.846

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

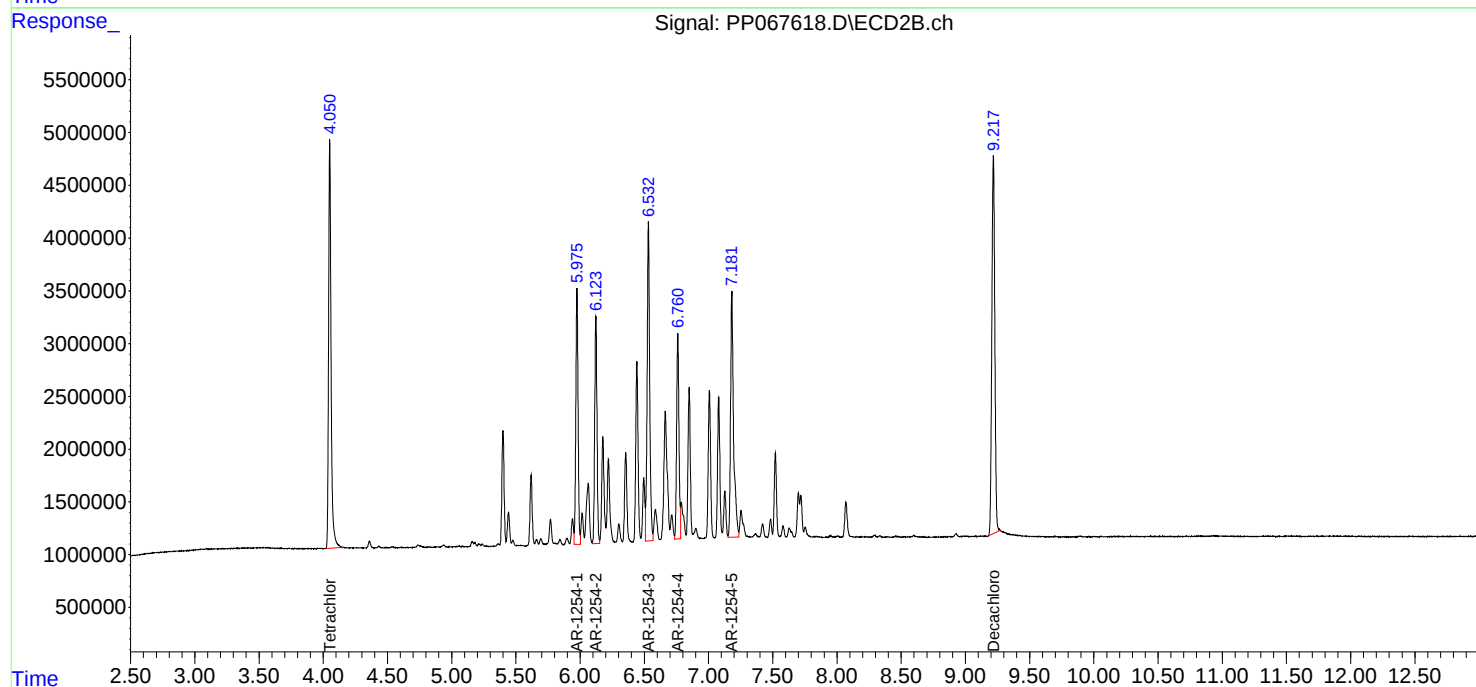
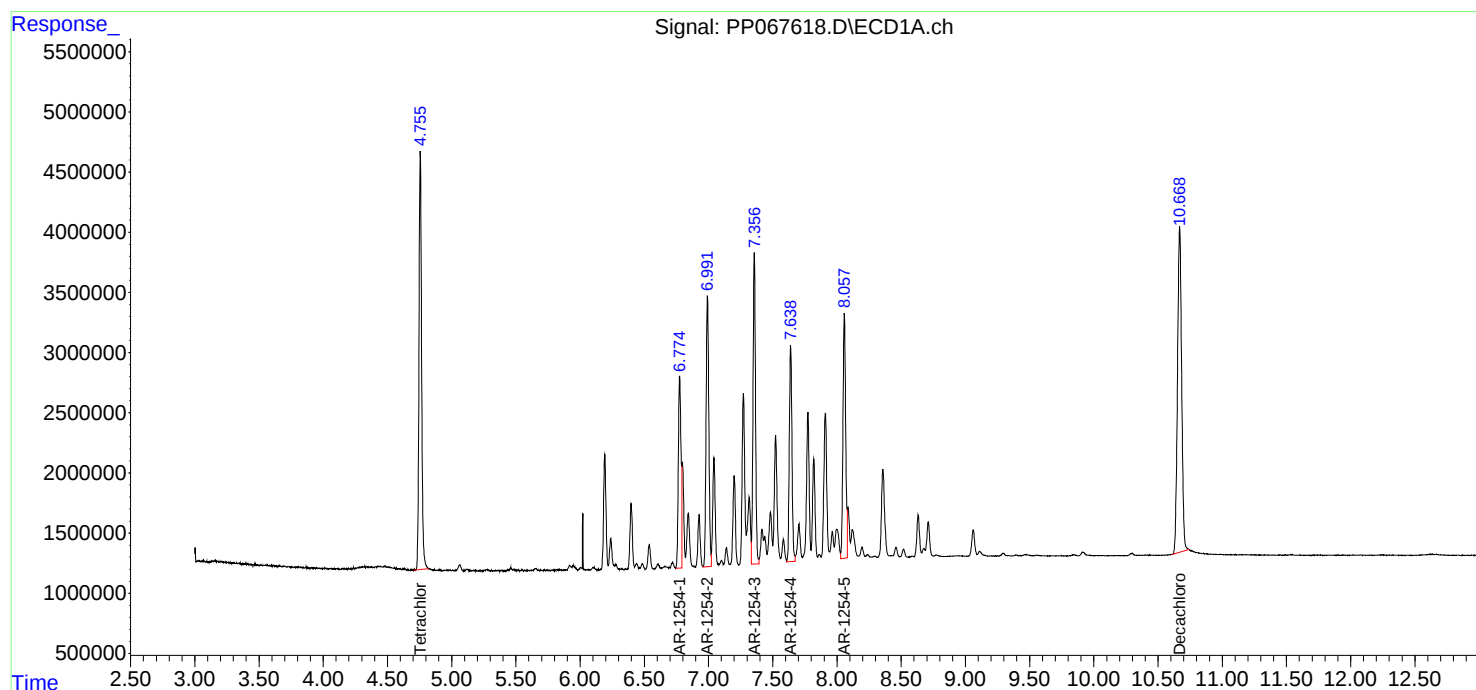
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

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 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067619.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2024 01:07
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824AR1268

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 09 05:22:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 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	4.051	48621846	52026024	52.144	51.900
2) SA Decachlor...	10.666	9.217	98383292	95455146	50.217	49.469
Target Compounds						
41) L9 AR-1268-1	9.044	8.007	76733240	79237054	502.842m	497.855m
42) L9 AR-1268-2	9.145	8.072	69182573	71394410	506.478	498.613
43) L9 AR-1268-3	9.396	8.292	60515330	63729520	500.466	499.802
44) L9 AR-1268-4	9.842	8.598	26421113	28346402	519.897	501.919
45) L9 AR-1268-5	10.294	8.926	188.0E6	188.8E6	503.342	499.468

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

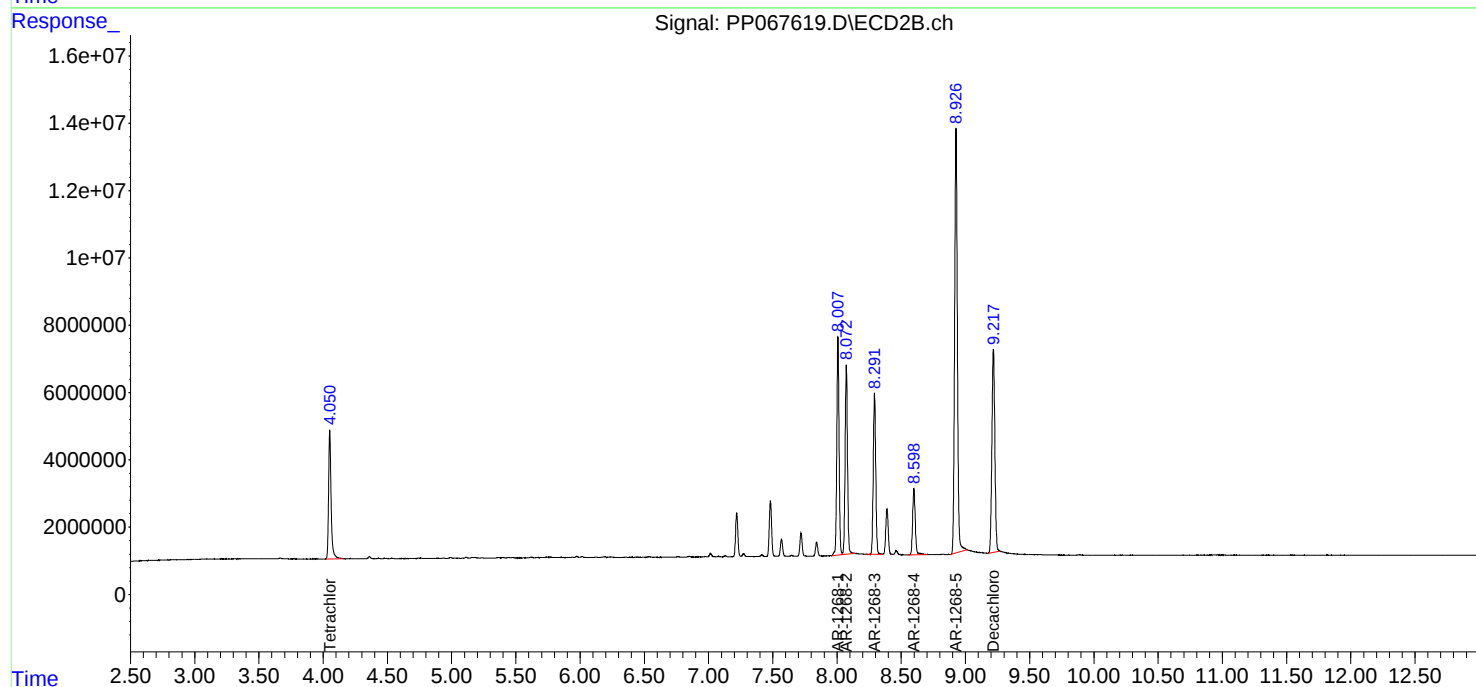
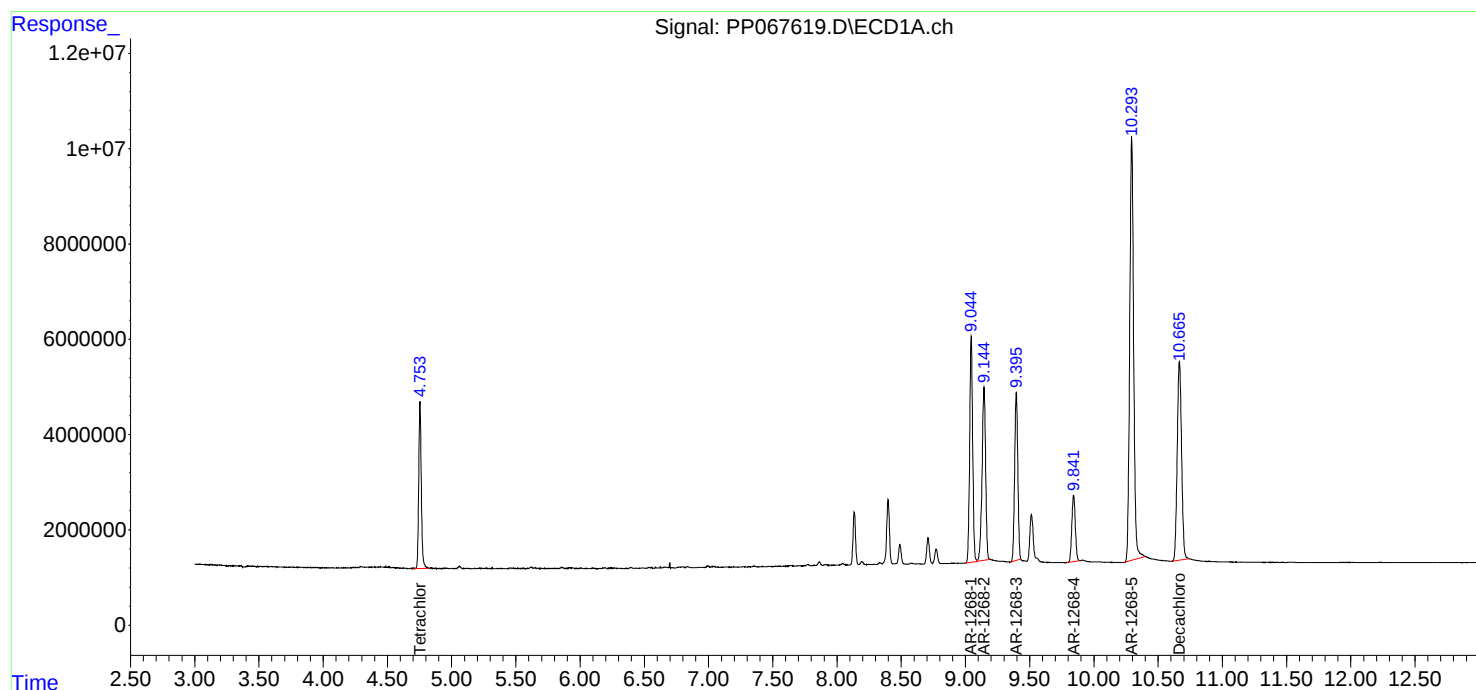
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

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 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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 0.50µm 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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Continuing Calib Date: 11/01/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 10:36 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.41	6.40	6.30	6.50	-0.01
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Continuing Calib Date: 11/01/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 10:36 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
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	5.36	5.26	5.46	0.00
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	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/01/2024

Lab Sample No.: AR1660CCC500 Data File : PP068339.D Time Analyzed: 10:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.928	5.819	6.019	520.990	500.000	4.2
Aroclor-1016-2	5.950	5.842	6.042	531.040	500.000	6.2
Aroclor-1016-3	6.013	5.905	6.105	523.600	500.000	4.7
Aroclor-1016-4	6.112	6.003	6.203	521.790	500.000	4.4
Aroclor-1016-5	6.406	6.298	6.498	504.480	500.000	0.9
Aroclor-1260-1	7.530	7.422	7.622	484.880	500.000	-3.0
Aroclor-1260-2	7.782	7.675	7.875	480.060	500.000	-4.0
Aroclor-1260-3	8.143	8.037	8.237	490.870	500.000	-1.8
Aroclor-1260-4	8.382	8.275	8.475	488.400	500.000	-2.3
Aroclor-1260-5	8.720	8.612	8.812	490.380	500.000	-1.9
Decachlorobiphenyl	10.679	10.569	10.769	52.230	50.000	4.5
Tetrachloro-m-xylene	4.763	4.655	4.855	52.520	50.000	5.0



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CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/01/2024

Lab Sample No.: AR1660CCC500 Data File : PP068339.D Time Analyzed: 10:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.161	5.061	5.261	464.570	500.000	-7.1
Aroclor-1016-2	5.181	5.081	5.281	469.790	500.000	-6.0
Aroclor-1016-3	5.362	5.262	5.462	473.350	500.000	-5.3
Aroclor-1016-4	5.401	5.301	5.501	479.830	500.000	-4.0
Aroclor-1016-5	5.620	5.520	5.720	480.720	500.000	-3.9
Aroclor-1260-1	6.662	6.564	6.764	461.980	500.000	-7.6
Aroclor-1260-2	6.849	6.750	6.950	462.820	500.000	-7.4
Aroclor-1260-3	7.007	6.908	7.108	464.260	500.000	-7.1
Aroclor-1260-4	7.480	7.383	7.583	468.850	500.000	-6.2
Aroclor-1260-5	7.719	7.622	7.822	465.090	500.000	-7.0
Decachlorobiphenyl	9.213	9.119	9.319	48.760	50.000	-2.5
Tetrachloro-m-xylene	4.054	3.952	4.152	49.060	50.000	-1.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068339.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 10:36
 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: Nov 04 00:40:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.763	4.054	48615467	49568800	52.521	49.058
2) SA Decachlor...	10.679	9.213	60137317	54681041	52.234	48.759
Target Compounds						
3) L1 AR-1016-1	5.928	5.161	17227336	16253928	520.988	464.567
4) L1 AR-1016-2	5.950	5.181	25899415	22628930	531.043	469.786
5) L1 AR-1016-3	6.013	5.362	16499558	12750930	523.597	473.352
6) L1 AR-1016-4	6.112	5.401	13432765	11556821	521.790	479.833
7) L1 AR-1016-5	6.406	5.620	13654630	14618740	504.477	480.724
31) L7 AR-1260-1	7.530	6.662	26195166	26315093	484.883	461.976
32) L7 AR-1260-2	7.782	6.849	30373974	30872411	480.063	462.824
33) L7 AR-1260-3	8.143	7.007	25451233	29574084	490.874	464.263
34) L7 AR-1260-4	8.382	7.480	29399103	25923836	488.403	468.847
35) L7 AR-1260-5	8.720	7.719	52819961	56879299	490.381	465.086

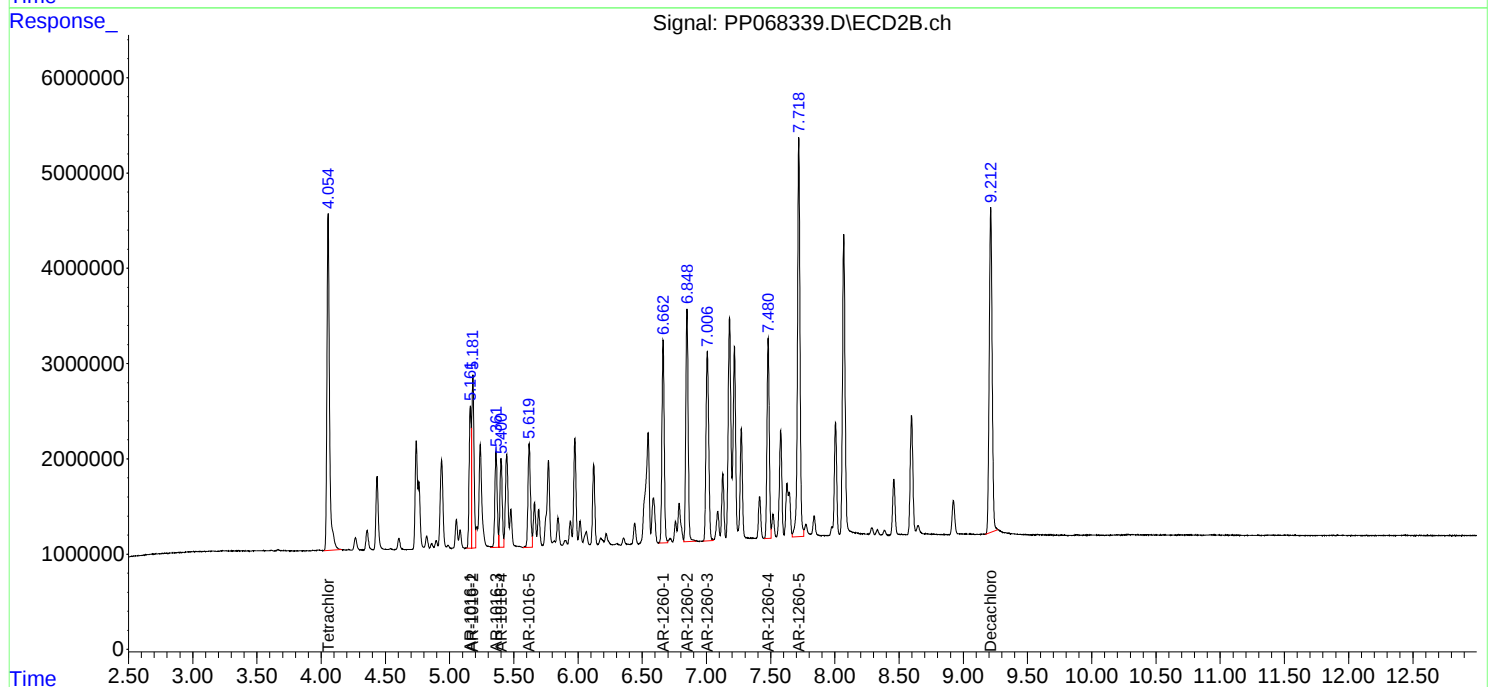
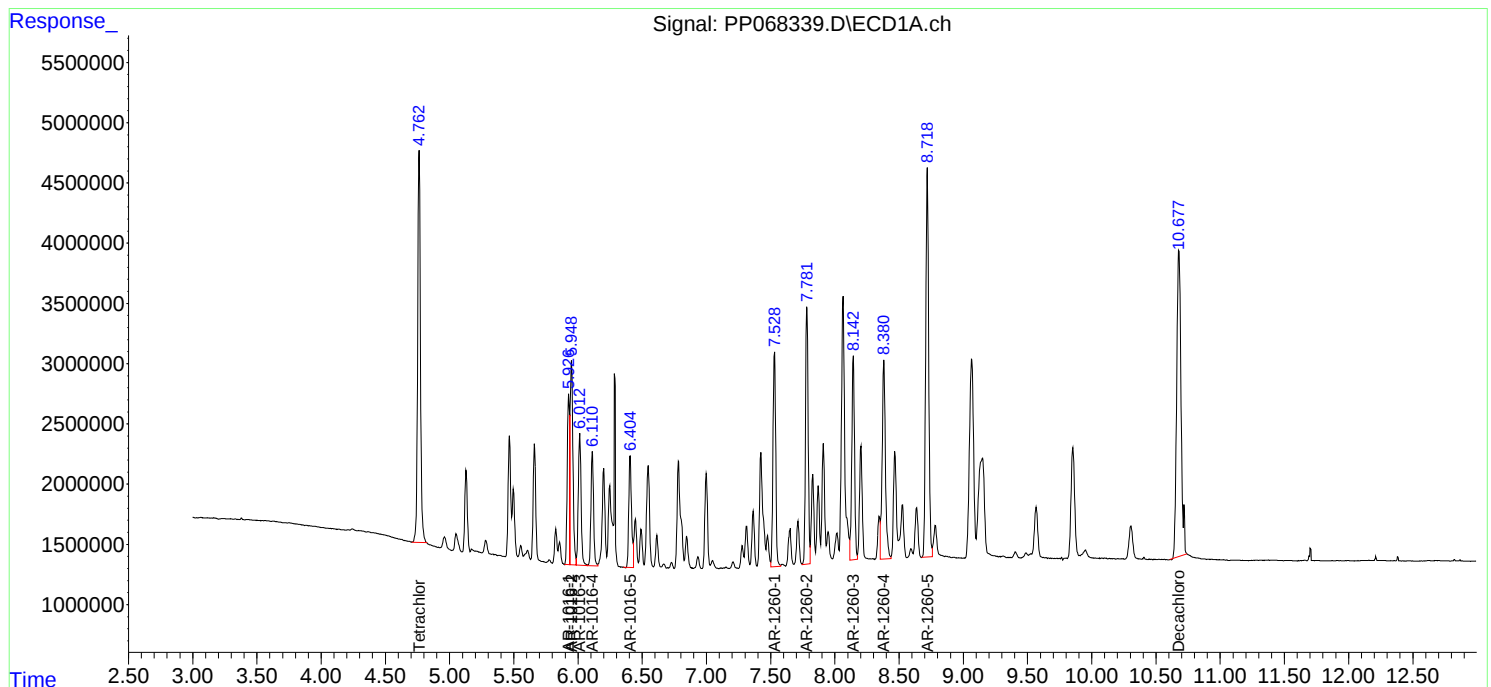
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068339.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 10:36
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: Nov 04 00:40:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm 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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Continuing Calib Date: 11/01/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 18:00 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Continuing Calib Date: 11/01/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 18:00 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
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	5.36	5.26	5.46	0.00
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	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/01/2024

Lab Sample No.: AR1660CCC500 Data File : PP068354.D Time Analyzed: 18:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.925	5.819	6.019	514.430	500.000	2.9
Aroclor-1016-2	5.947	5.842	6.042	507.690	500.000	1.5
Aroclor-1016-3	6.011	5.905	6.105	499.770	500.000	0.0
Aroclor-1016-4	6.109	6.003	6.203	484.840	500.000	-3.0
Aroclor-1016-5	6.403	6.298	6.498	479.160	500.000	-4.2
Aroclor-1260-1	7.526	7.422	7.622	440.410	500.000	-11.9
Aroclor-1260-2	7.779	7.675	7.875	435.280	500.000	-12.9
Aroclor-1260-3	8.141	8.037	8.237	444.470	500.000	-11.1
Aroclor-1260-4	8.380	8.275	8.475	445.800	500.000	-10.8
Aroclor-1260-5	8.717	8.612	8.812	456.680	500.000	-8.7
Decachlorobiphenyl	10.676	10.569	10.769	48.090	50.000	-3.8
Tetrachloro-m-xylene	4.761	4.655	4.855	52.800	50.000	5.6



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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/01/2024

Lab Sample No.: AR1660CCC500 Data File : PP068354.D Time Analyzed: 18:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.158	5.061	5.261	476.910	500.000	-4.6
Aroclor-1016-2	5.178	5.081	5.281	473.500	500.000	-5.3
Aroclor-1016-3	5.359	5.262	5.462	494.850	500.000	-1.0
Aroclor-1016-4	5.398	5.301	5.501	492.210	500.000	-1.6
Aroclor-1016-5	5.616	5.520	5.720	484.560	500.000	-3.1
Aroclor-1260-1	6.659	6.564	6.764	446.980	500.000	-10.6
Aroclor-1260-2	6.846	6.750	6.950	447.550	500.000	-10.5
Aroclor-1260-3	7.003	6.908	7.108	442.460	500.000	-11.5
Aroclor-1260-4	7.478	7.383	7.583	434.030	500.000	-13.2
Aroclor-1260-5	7.716	7.622	7.822	429.410	500.000	-14.1
Decachlorobiphenyl	9.208	9.119	9.319	44.580	50.000	-10.8
Tetrachloro-m-xylene	4.051	3.952	4.152	49.330	50.000	-1.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068354.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 18:00
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:50:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.761	4.051	48876182	49845432	52.802	49.332
2) SA Decachlor...	10.676	9.208	55371565	49992273	48.095	44.578
Target Compounds						
3) L1 AR-1016-1	5.925	5.158	17010611	16685778	514.434	476.910
4) L1 AR-1016-2	5.947	5.178	24760519	22807676	507.691	473.497
5) L1 AR-1016-3	6.011	5.359	15748817	13330088	499.773	494.853
6) L1 AR-1016-4	6.109	5.398	12481602	11854921	484.842	492.210
7) L1 AR-1016-5	6.403	5.616	12969275	14735430	479.156	484.561
31) L7 AR-1260-1	7.526	6.659	23792708	25460830	440.412	446.979
32) L7 AR-1260-2	7.779	6.846	27540388	29853728	435.278	447.553
33) L7 AR-1260-3	8.141	7.003	23045151	28185212	444.468	442.460
34) L7 AR-1260-4	8.380	7.478	26834659	23998702	445.800	434.030
35) L7 AR-1260-5	8.717	7.716	49189641	52515840	456.677	429.407

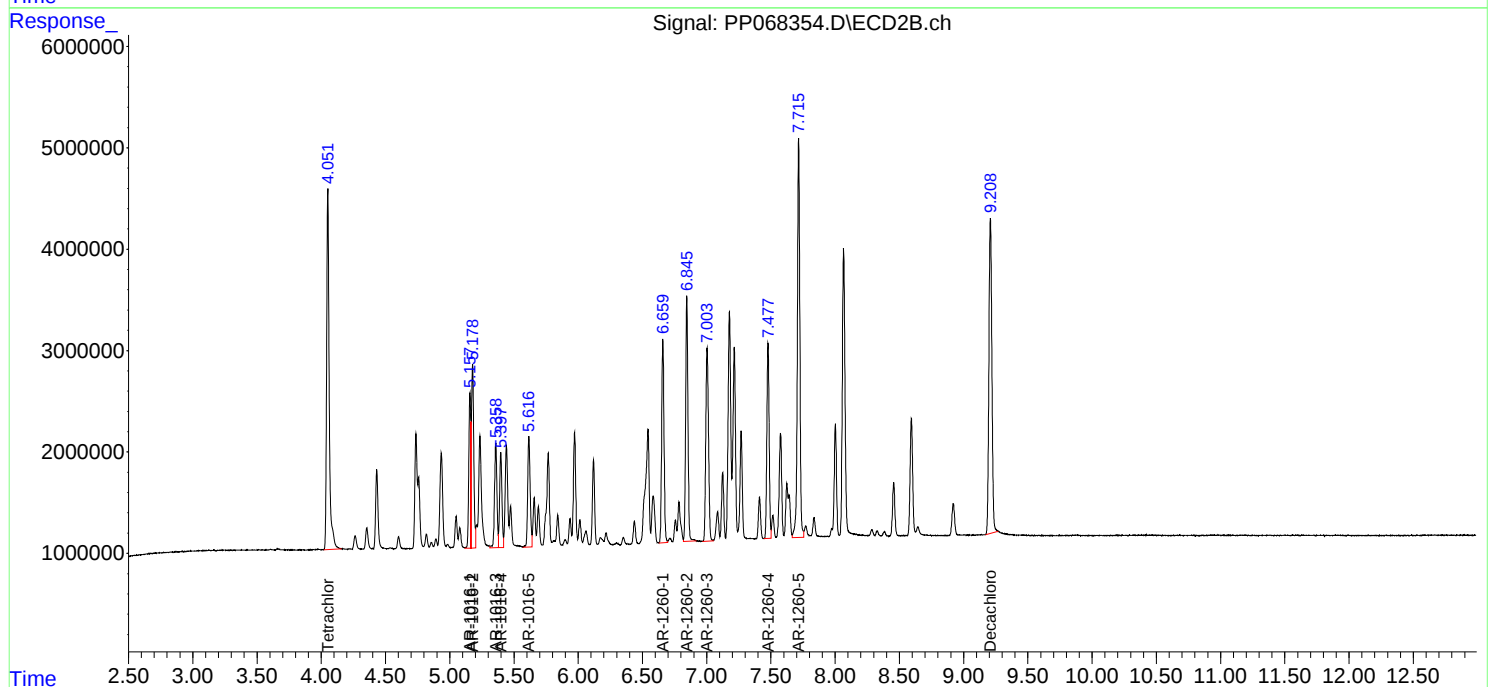
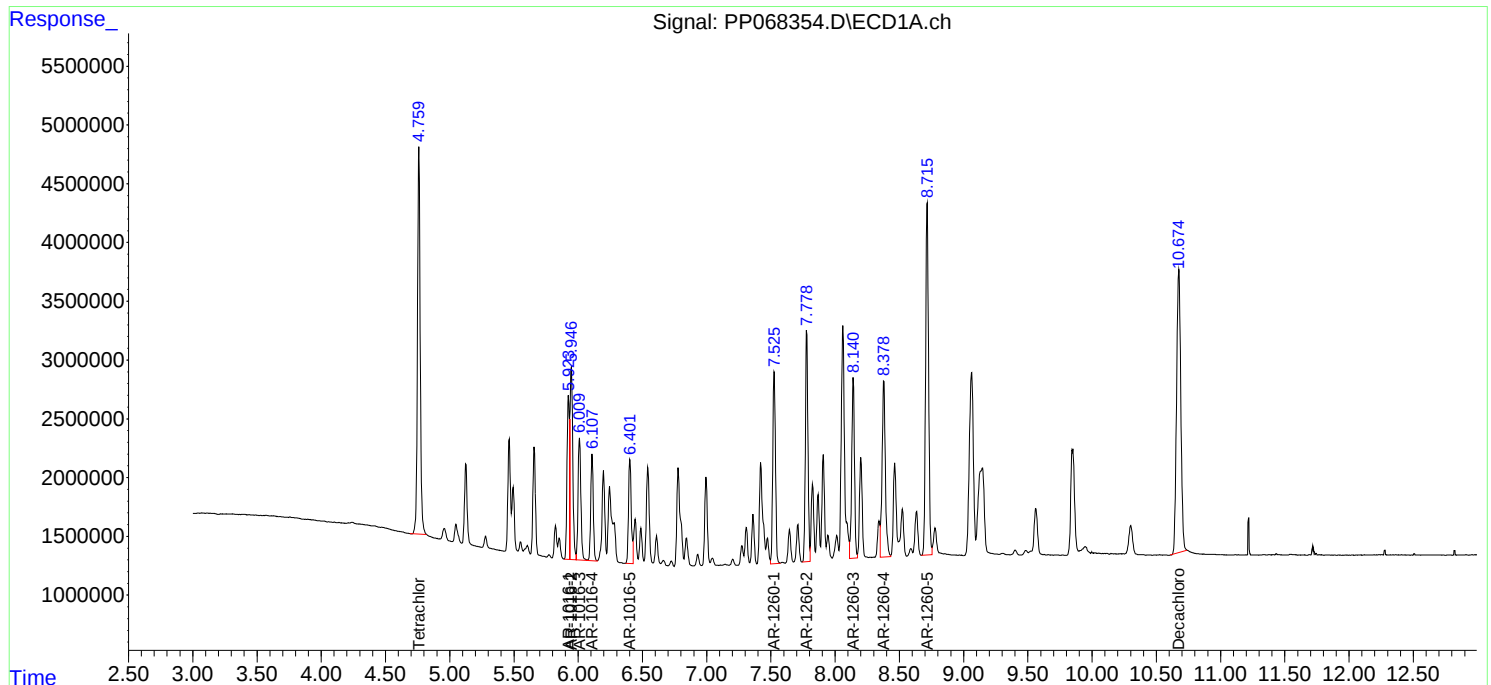
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 18:00
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:50:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



Analytical Sequence

Client: Union Paving & Construction Company

SDG No.: P4663

Project: Rt. 10 Whippany

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/08/2024

10/08/2024

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 #
IBLK	IBLK	10/08/2024	16:14	PP067586.D	10.67	4.75
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	11/01/2024	10:36	PP068339.D	10.68	4.76
IBLK	IBLK	11/01/2024	11:53	PP068343.D	10.69	4.77
PB164590BL	PB164590BL	11/01/2024	14:55	PP068344.D	10.68	4.76
PB164590BS	PB164590BS	11/01/2024	15:11	PP068345.D	10.68	4.76
TENNANT-PAD-2-3-STOCKPILE	P4663-02	11/01/2024	16:00	PP068348.D	10.68	4.76
TENNANT-PAD-2-3-STOCKPILEMS	P4663-02MS	11/01/2024	16:17	PP068349.D	10.68	4.76
TENNANT-PAD-2-3-STOCKPILEMSD	P4663-02MSD	11/01/2024	16:33	PP068350.D	10.68	4.76
RES-BUILDING-PAD-NO-11	P4663-04	11/01/2024	16:50	PP068351.D	10.68	4.76
RES-BUILDING-PAD-NO-3	P4663-06	11/01/2024	17:06	PP068352.D	10.67	4.76
RES-BUILDING-PAD-NO-2	P4663-08	11/01/2024	17:22	PP068353.D	10.68	4.76
AR1660CCC500	AR1660CCC500	11/01/2024	18:00	PP068354.D	10.68	4.76
IBLK	IBLK	11/01/2024	19:05	PP068358.D	10.67	4.76

Analytical Sequence

Analytical Sequence

Client: Union Paving & Construction Company

SDG No.: P4663

Project: Rt. 10 Whippany

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/08/2024

10/08/2024

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 #
IBLK	IBLK	10/08/2024	16:14	PP067586.D	9.22	4.05
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	11/01/2024	10:36	PP068339.D	9.21	4.05
IBLK	IBLK	11/01/2024	11:53	PP068343.D	9.22	4.05
PB164590BL	PB164590BL	11/01/2024	14:55	PP068344.D	9.21	4.05
PB164590BS	PB164590BS	11/01/2024	15:11	PP068345.D	9.21	4.06
TENNANT-PAD-2-3-STOCKPILE	P4663-02	11/01/2024	16:00	PP068348.D	9.21	4.05
TENNANT-PAD-2-3-STOCKPILEMS	P4663-02MS	11/01/2024	16:17	PP068349.D	9.21	4.05
TENNANT-PAD-2-3-STOCKPILEMSD	P4663-02MSD	11/01/2024	16:33	PP068350.D	9.21	4.05
RES-BUILDING-PAD-NO-11	P4663-04	11/01/2024	16:50	PP068351.D	9.21	4.05
RES-BUILDING-PAD-NO-3	P4663-06	11/01/2024	17:06	PP068352.D	9.21	4.05
RES-BUILDING-PAD-NO-2	P4663-08	11/01/2024	17:22	PP068353.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/01/2024	18:00	PP068354.D	9.21	4.05
IBLK	IBLK	11/01/2024	19:05	PP068358.D	9.21	4.05

Analytical Sequence

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164590BS

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Lab Sample ID: PB164590BS Date(s) Analyzed: 11/01/2024 11/01/2024

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 PP068345.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.926	5.876	5.976	160	157	13.61
COLUMN 1	2	5.948	5.898	5.998	161		
	3	6.011	5.961	6.061	165		
	4	6.11	6.06	6.16	155		
	5	6.404	6.354	6.454	142		
	1	5.161	5.111	5.211	136		
COLUMN 2	2	5.181	5.131	5.231	138	137	
	3	5.362	5.312	5.412	138		
	4	5.4	5.35	5.45	138		
	5	5.619	5.569	5.669	135		
Aroclor-1260	1	7.528	7.478	7.578	153	143	5.02
COLUMN 1	2	7.78	7.73	7.83	149		
	3	8.142	8.092	8.192	134		
	4	8.38	8.33	8.43	141		
	5	8.718	8.668	8.768	136		
	1	6.663	6.613	6.713	143	136	
COLUMN 2	2	6.849	6.799	6.899	142		
	3	7.007	6.957	7.057	144		
	4	7.482	7.432	7.532	127		
	5	7.72	7.67	7.77	126		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TENNANT-PAD-2-3-STO

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Lab Sample ID: P4663-02MS Date(s) Analyzed: 11/01/2024 11/01/2024

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 PP068349.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.924	5.874	5.974	186	177	10.09
COLUMN 1	2	5.946	5.896	5.996	179		
	3	6.01	5.96	6.06	175		
	4	6.108	6.058	6.158	174		
	5	6.402	6.352	6.452	171		
	1	5.159	5.109	5.209	165		
COLUMN 2	2	5.179	5.129	5.229	165	160	
	3	5.359	5.309	5.409	169		
	4	5.398	5.348	5.448	160		
	5	5.616	5.566	5.666	143		
Aroclor-1260	1	7.525	7.475	7.575	158	145	5.67
COLUMN 1	2	7.778	7.728	7.828	162		
	3	8.14	8.09	8.19	127		
	4	8.378	8.328	8.428	140		
	5	8.715	8.665	8.765	139		
	1	6.66	6.61	6.71	146		
COLUMN 2	2	6.846	6.796	6.896	143	137	
	3	7.004	6.954	7.054	143		
	4	7.478	7.428	7.528	126		
	5	7.717	7.667	7.767	127		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TENNANT-PAD-2-3-STO

Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Lab Sample ID: P4663-02MSD Date(s) Analyzed: 11/01/2024 11/01/2024

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 PP068350.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.923	5.873	5.973	185	178	10.03
COLUMN 1	2	5.946	5.896	5.996	181		
	3	6.009	5.959	6.059	175		
	4	6.107	6.057	6.157	176		
	5	6.401	6.351	6.451	174		
	1	5.159	5.109	5.209	165		
COLUMN 2	2	5.179	5.129	5.229	165	161	
	3	5.359	5.309	5.409	168		
	4	5.399	5.349	5.449	161		
	5	5.617	5.567	5.667	148		
	Aroclor-1260	1	7.525	7.475	7.575		158
COLUMN 1	2	7.778	7.728	7.828	162		
	3	8.14	8.09	8.19	129		
	4	8.378	8.328	8.428	139		
	5	8.716	8.666	8.766	140		
	1	6.661	6.611	6.711	147	137	
COLUMN 2	2	6.847	6.797	6.897	145		
	3	7.004	6.954	7.054	147		
	4	7.479	7.429	7.529	123		
	5	7.717	7.667	7.767	125		



QC SAMPLE DATA

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	Rt. 10 Whippany	Date Received:	
Client Sample ID:	PB164590BL	SDG No.:	P4663
Lab Sample ID:	PB164590BL	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
PP068344.D	1	11/01/24 09:09	11/01/24 14:55	PB164590

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	20.9		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		30 (32) - 150 (175)	116%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 14:55
 Operator : YP\AJ
 Sample : PB164590BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164590BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:43:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.763	4.054	19317559	19437702	20.869	19.238
2) SA Decachlor...	10.682	9.213	26602737	25397885	23.107	22.647

Target Compounds

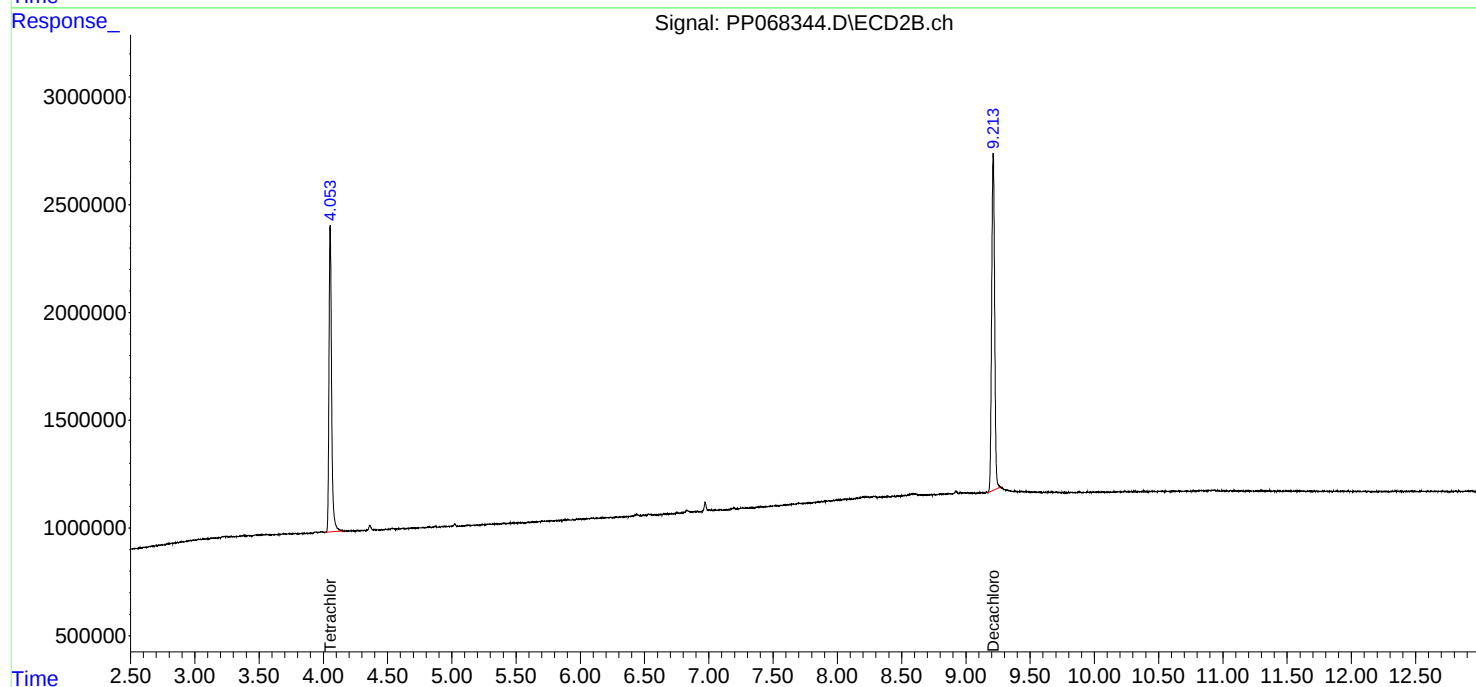
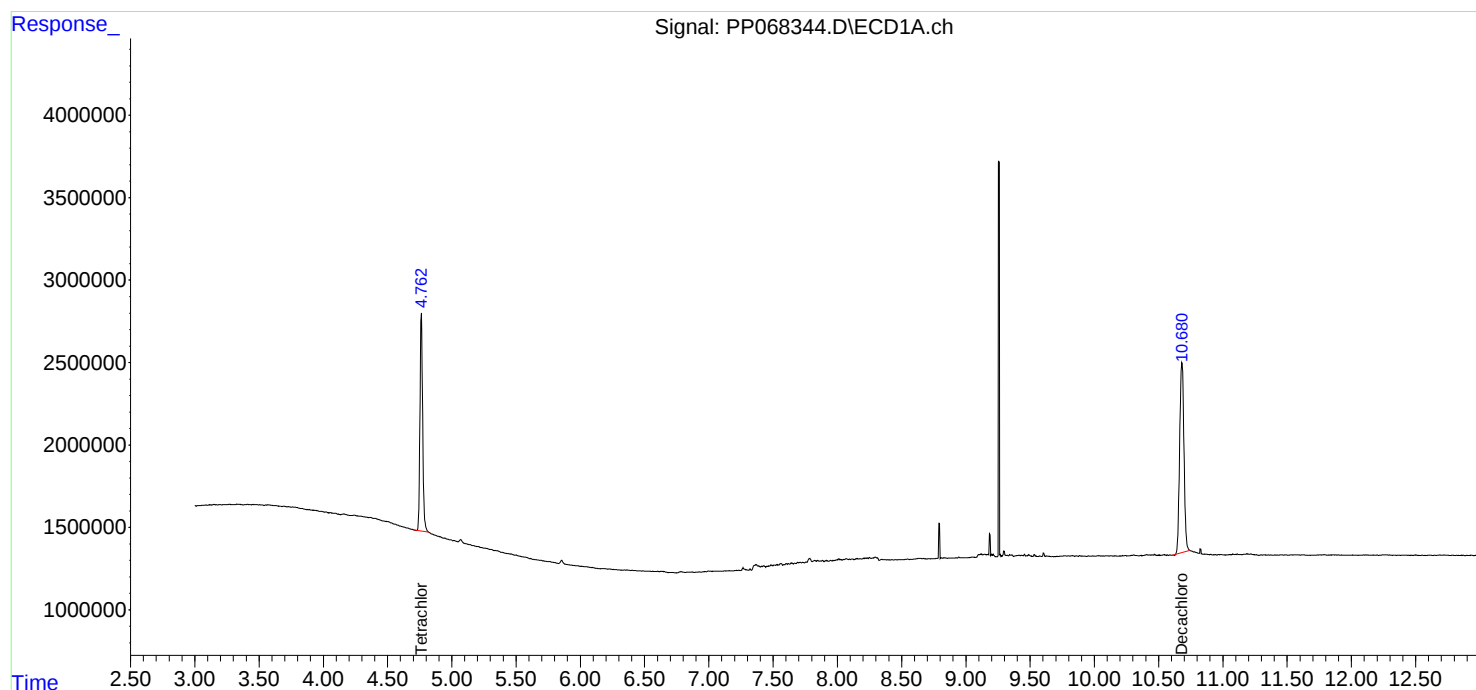
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

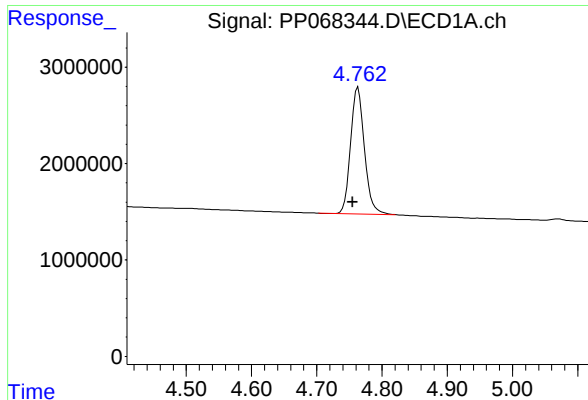
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:55
Operator : YP\AJ
Sample : PB164590BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164590BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:43:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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

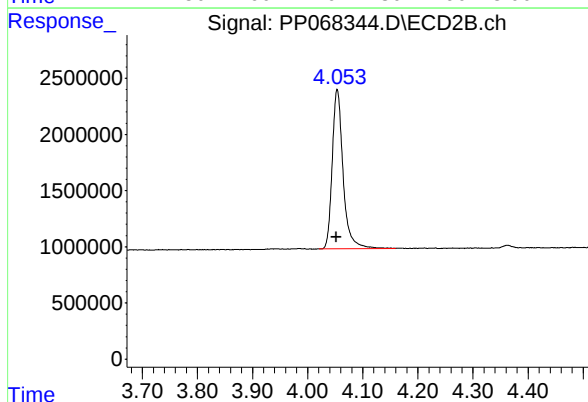




#1 Tetrachloro-m-xylene

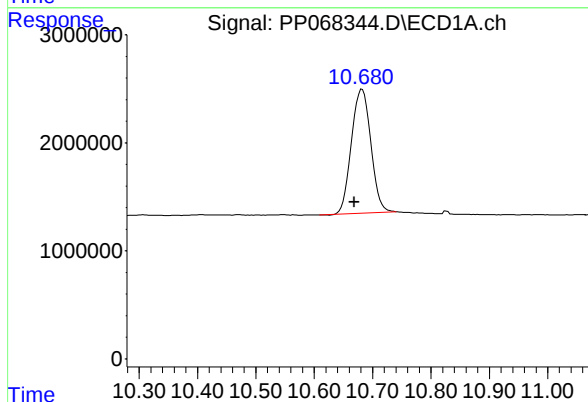
R.T.: 4.763 min
Delta R.T.: 0.008 min
Response: 19317559
Conc: 20.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164590BL



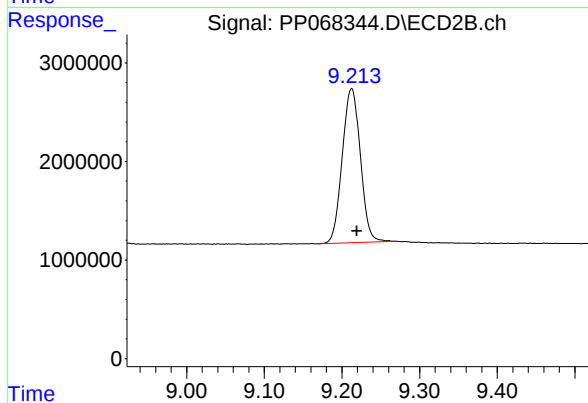
#1 Tetrachloro-m-xylene

R.T.: 4.054 min
Delta R.T.: 0.002 min
Response: 19437702
Conc: 19.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.682 min
Delta R.T.: 0.013 min
Response: 26602737
Conc: 23.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.213 min
Delta R.T.: -0.007 min
Response: 25397885
Conc: 22.65 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/08/24
Project:	Rt. 10 Whippany	Date Received:	10/08/24
Client Sample ID:	PIBLK-PP067586.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PP067586.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067586.D	1		10/08/24	pp100824

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	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		70 (60) - 130 (140)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067586.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 16:14
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 05:50:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.754	4.052	19509395	22280537	21.077	22.051
2) SA Decachlor...	10.665	9.218	27200282	26328613	23.626	23.477

Target Compounds

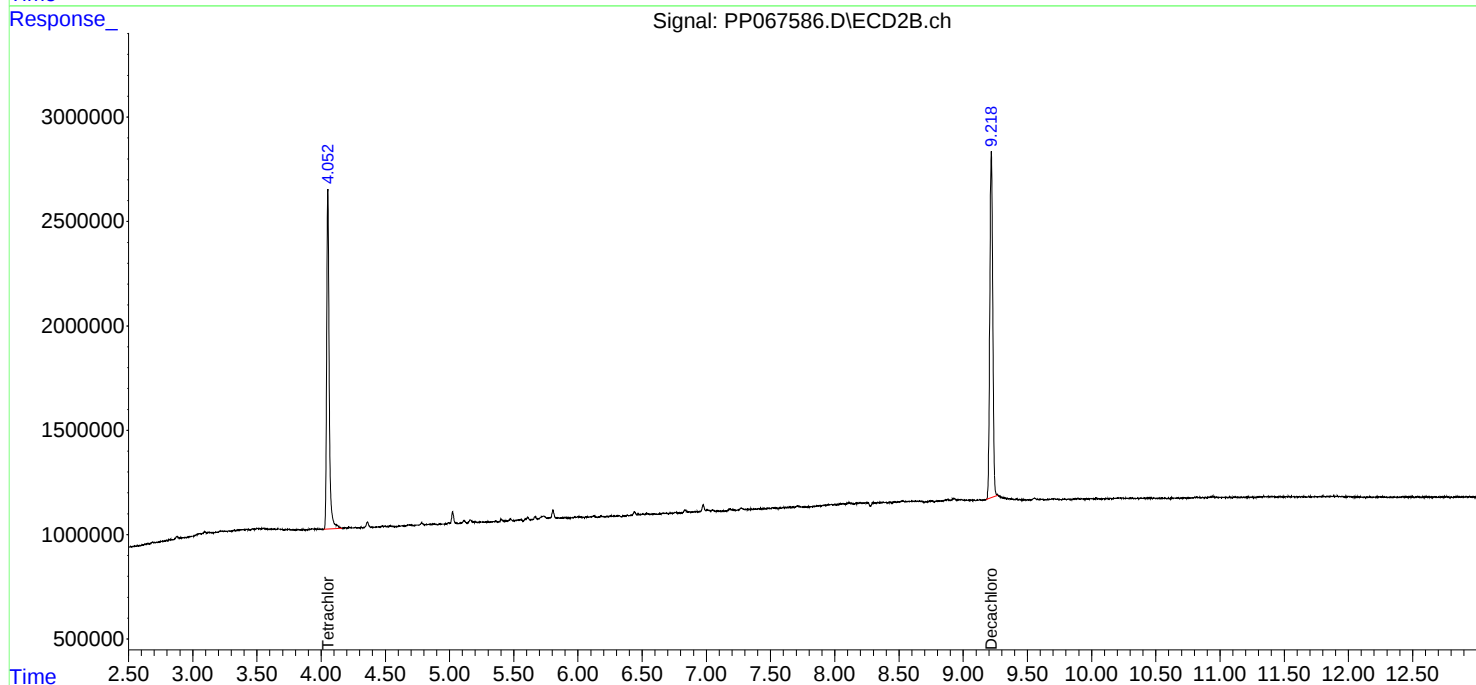
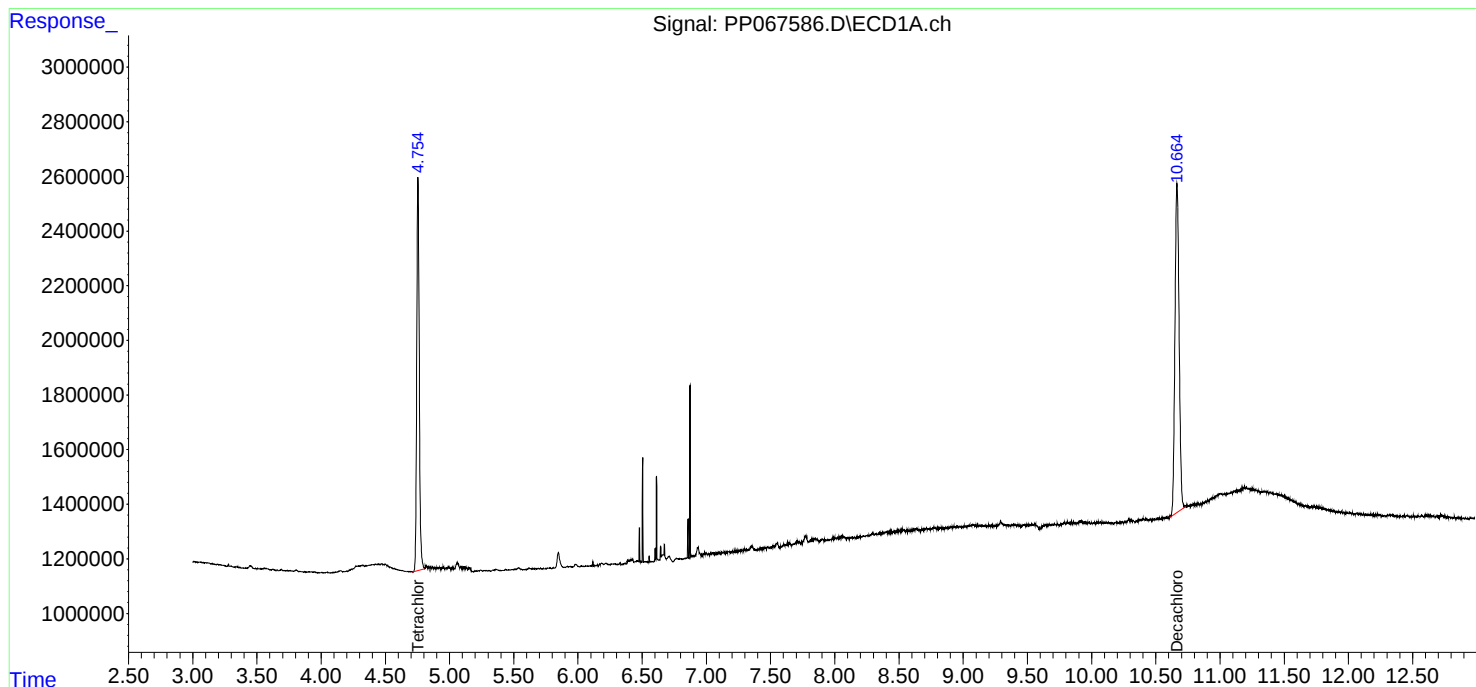
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

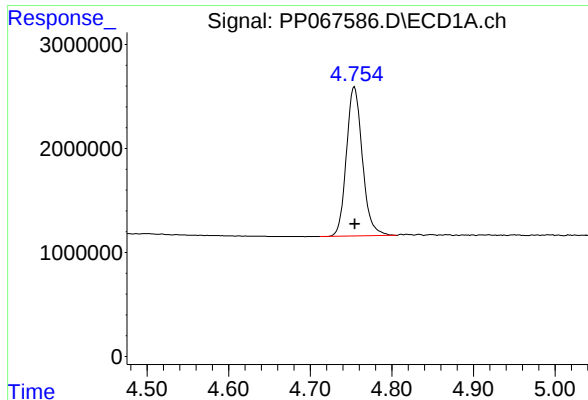
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

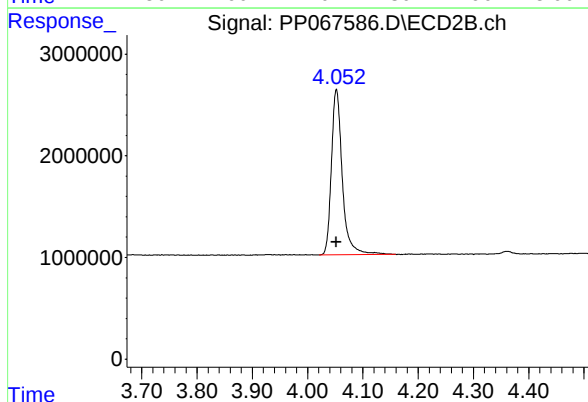




#1 Tetrachloro-m-xylene

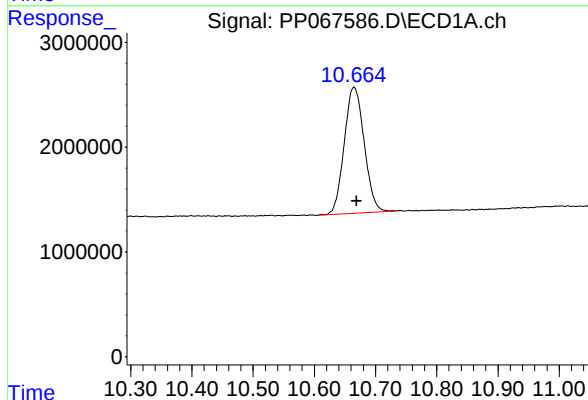
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19509395
Conc: 21.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



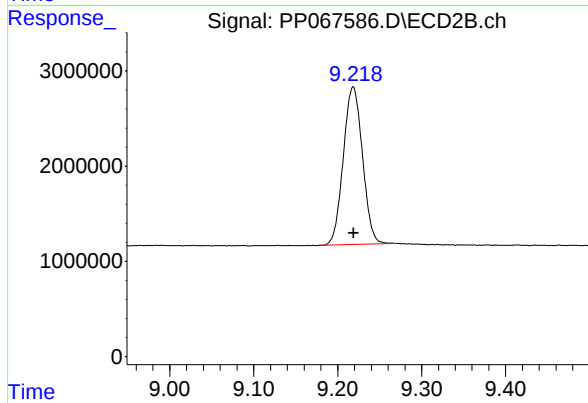
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 22280537
Conc: 22.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: -0.004 min
Response: 27200282
Conc: 23.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 26328613
Conc: 23.48 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	11/01/24
Project:	Rt. 10 Whippany	Date Received:	11/01/24
Client Sample ID:	PIBLK-PP068343.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PP068343.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068343.D	1		11/01/24	PP110124

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	17.0		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		70 (60) - 130 (140)	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068343.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 11:53
 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 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:43:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.769	4.053	16755401	17212503	18.101	17.035
2) SA Decachlor...	10.689	9.215	23639349	21258443	20.533m	18.956

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 11:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

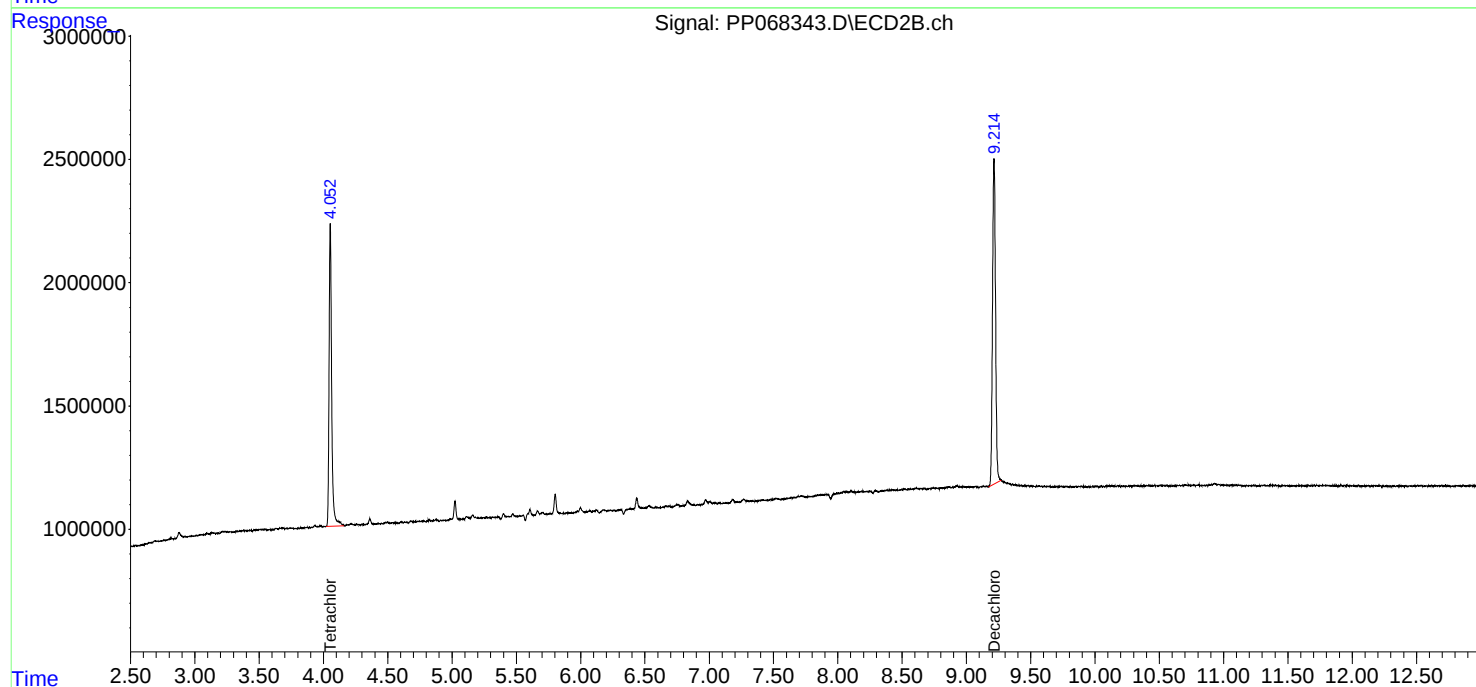
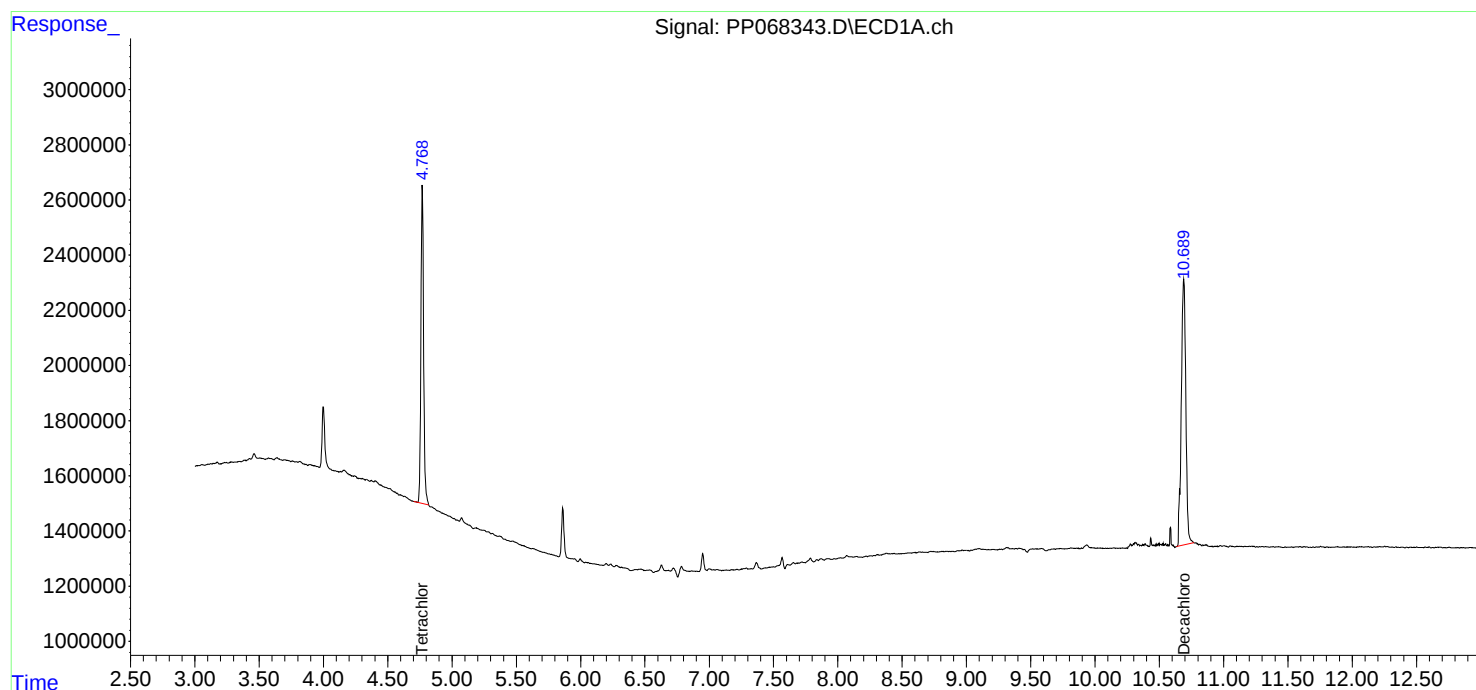
Instrument :
ECD_P
ClientSampleId :
I.BLK

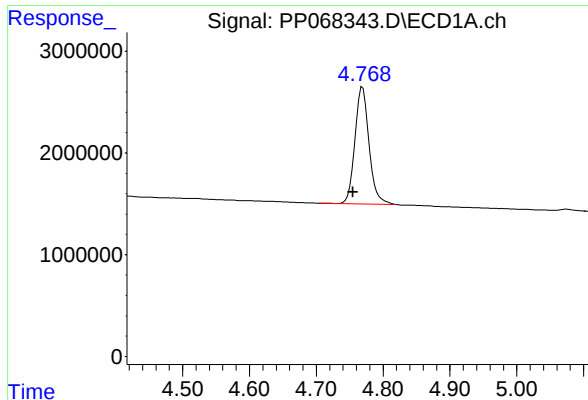
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:43:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





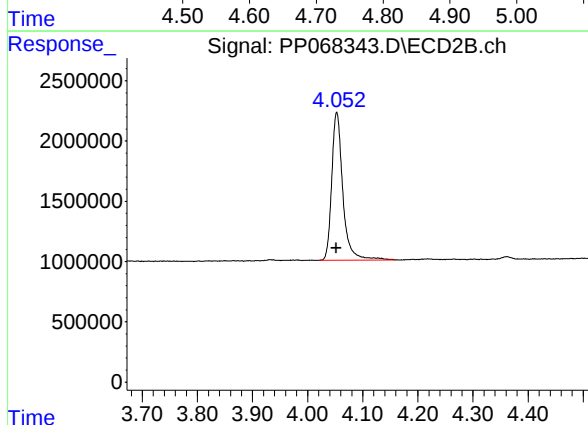
#1 Tetrachloro-m-xylene

R.T.: 4.769 min
Delta R.T.: 0.014 min
Response: 16755401
Conc: 18.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

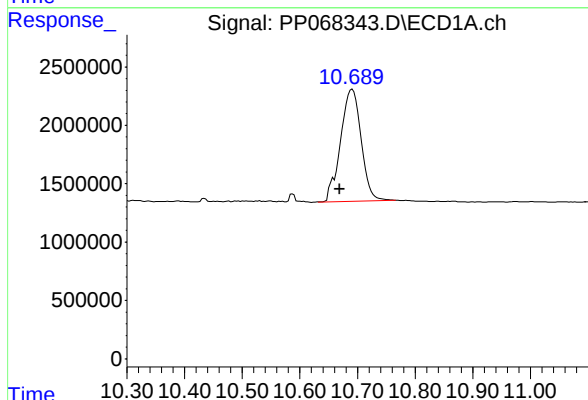
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



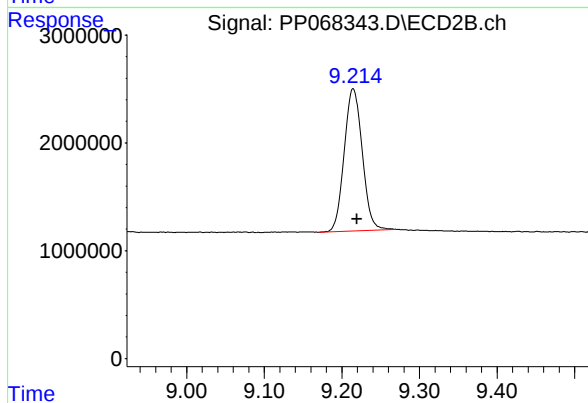
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 17212503
Conc: 17.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.689 min
Delta R.T.: 0.020 min
Response: 23639349
Conc: 20.53 ng/ml m



#2 Decachlorobiphenyl

R.T.: 9.215 min
Delta R.T.: -0.004 min
Response: 21258443
Conc: 18.96 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	11/01/24
Project:	Rt. 10 Whippany	Date Received:	11/01/24
Client Sample ID:	PIBLK-PP068358.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PP068358.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068358.D	1		11/01/24	PP110124

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	17.1		70 (60) - 130 (140)	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		70 (60) - 130 (140)	90%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 19:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:52:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.760	4.051	17655308	17293423	19.074	17.115
2) SA Decachlor...	10.674	9.209	21820812	20181418	18.953	17.996

Target Compounds

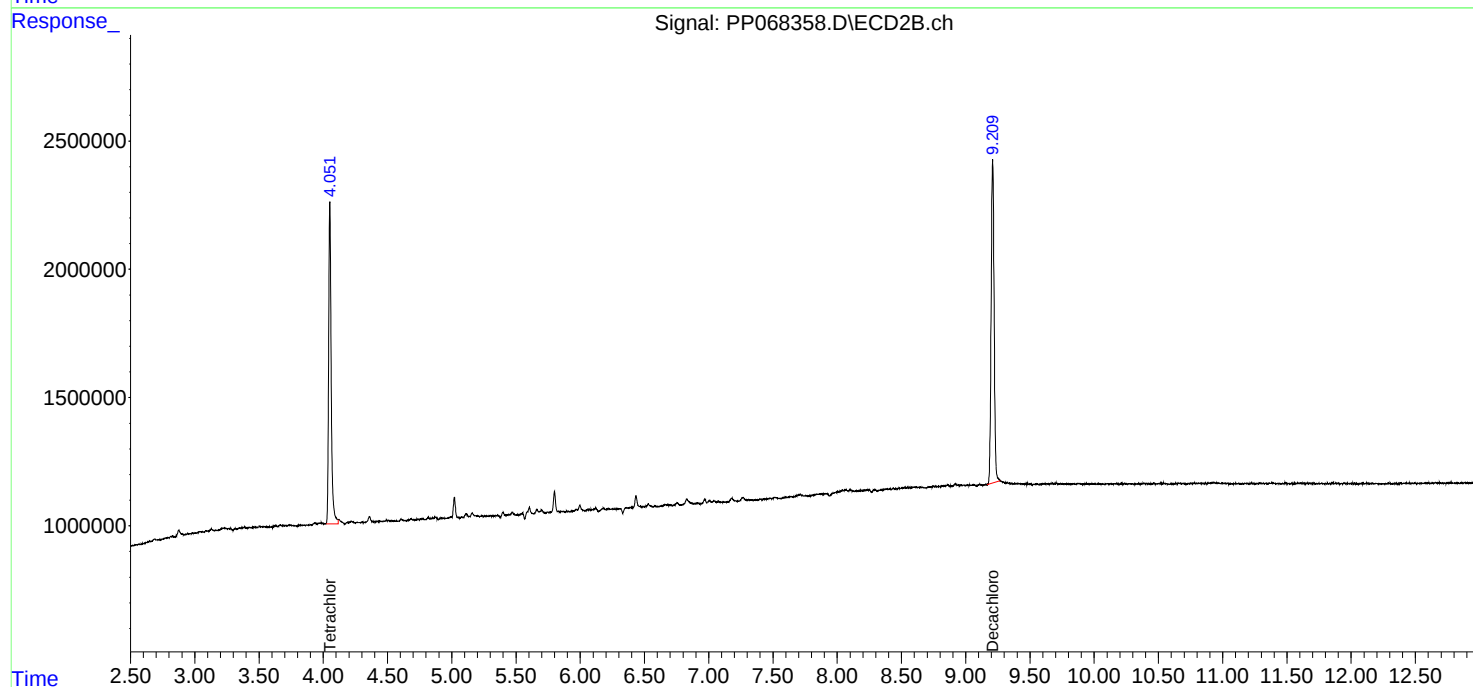
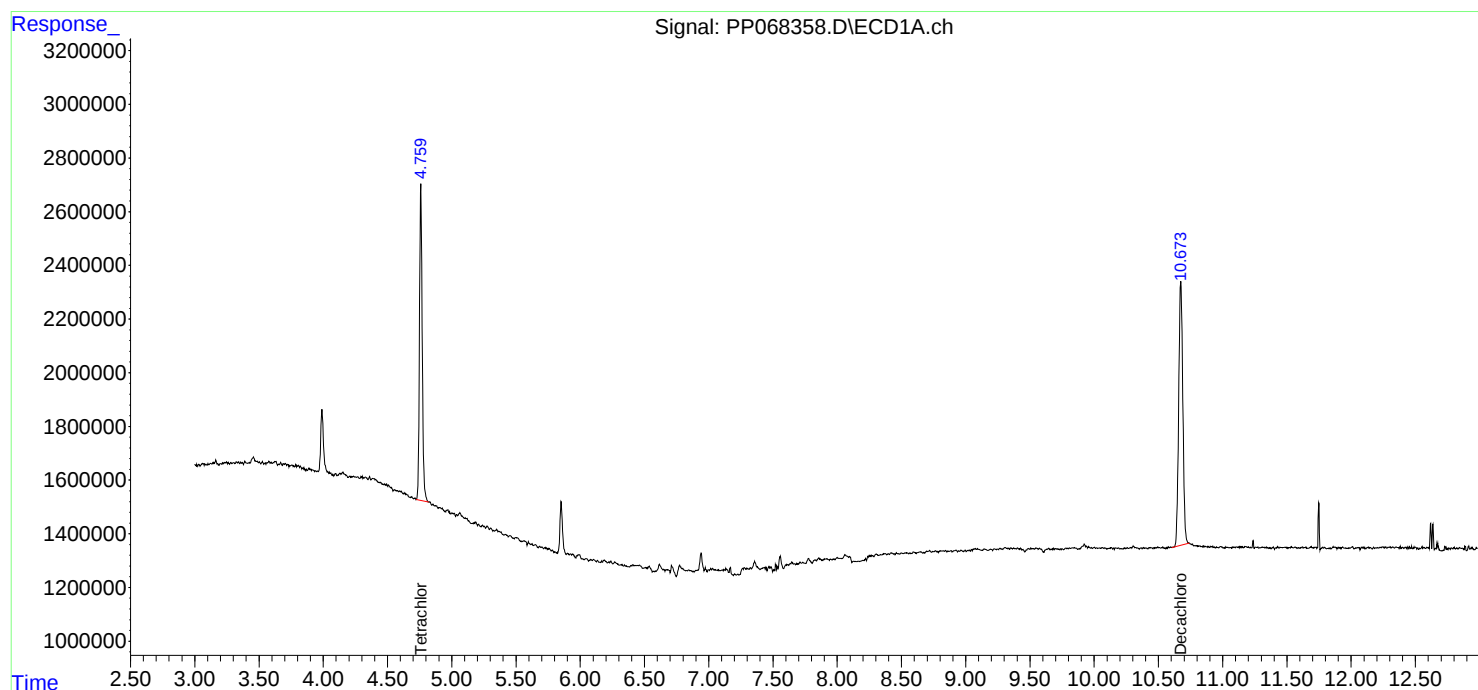
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

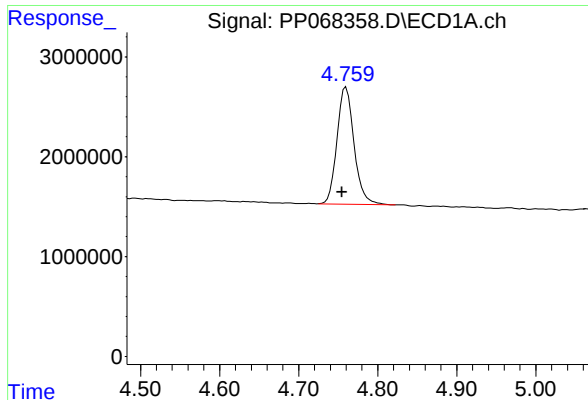
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 19:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:52:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

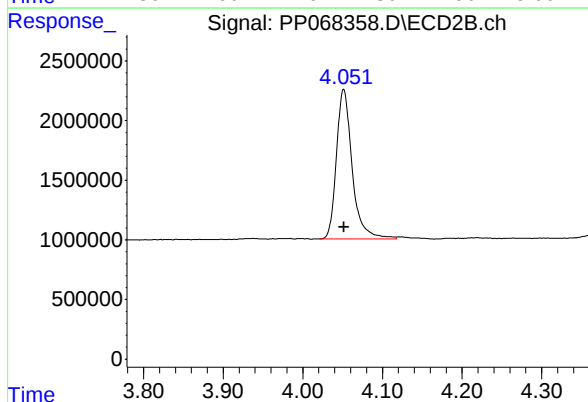




#1 Tetrachloro-m-xylene

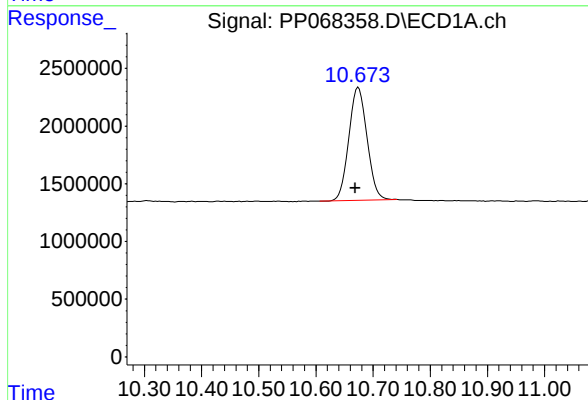
R.T.: 4.760 min
Delta R.T.: 0.005 min
Response: 17655308
Conc: 19.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



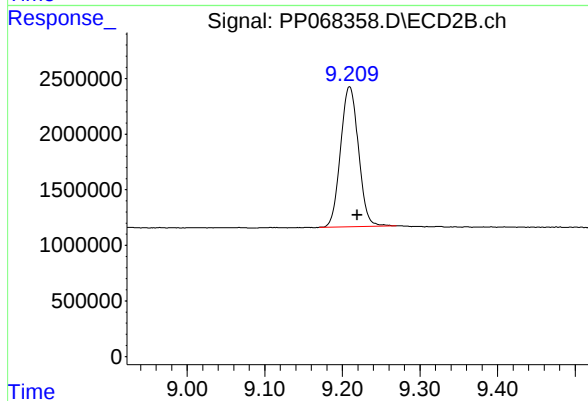
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 17293423
Conc: 17.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.005 min
Response: 21820812
Conc: 18.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 20181418
Conc: 18.00 ng/ml

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	Rt. 10 Whippany	Date Received:	
Client Sample ID:	PB164590BS	SDG No.:	P4663
Lab Sample ID:	PB164590BS	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
PP068345.D	1	11/01/24 09:09	11/01/24 15:11	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	157		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	143		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		30 (32) - 150 (144)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		30 (32) - 150 (175)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 15:11
 Operator : YP\AJ
 Sample : PB164590BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164590BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:44:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.761	4.055	19412421	19801100	20.972	19.597
2) SA Decachlor...	10.679	9.213	26828761	24824387	23.303	22.136
Target Compounds						
3) L1 AR-1016-1	5.926	5.161	15895830	14241675	480.720	407.053
4) L1 AR-1016-2	5.948	5.181	23549461	20032499	482.859	415.883
5) L1 AR-1016-3	6.011	5.362	15659222	11139411	496.930	413.528
6) L1 AR-1016-4	6.110	5.400	11944497	9979509	463.979	414.344
7) L1 AR-1016-5	6.404	5.619	11528999	12365842	425.945	406.639
31) L7 AR-1260-1	7.528	6.663	24792052	24404000	458.911	428.426
32) L7 AR-1260-2	7.780	6.849	28347851	28491402	448.040	427.129
33) L7 AR-1260-3	8.142	7.007	20858764	27507689	402.300	431.824
34) L7 AR-1260-4	8.380	7.482	25463553	21042129	423.022	380.559
35) L7 AR-1260-5	8.718	7.720	43902210	46430189	407.588	379.646

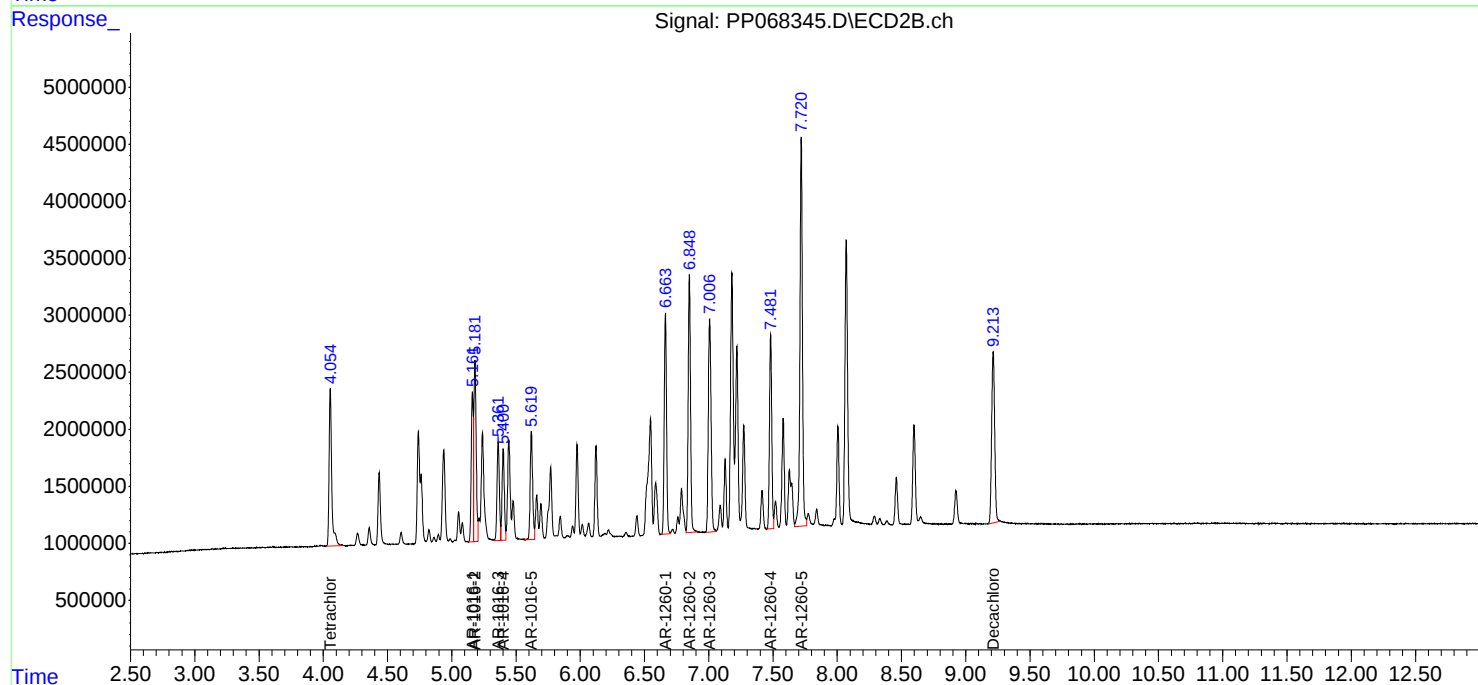
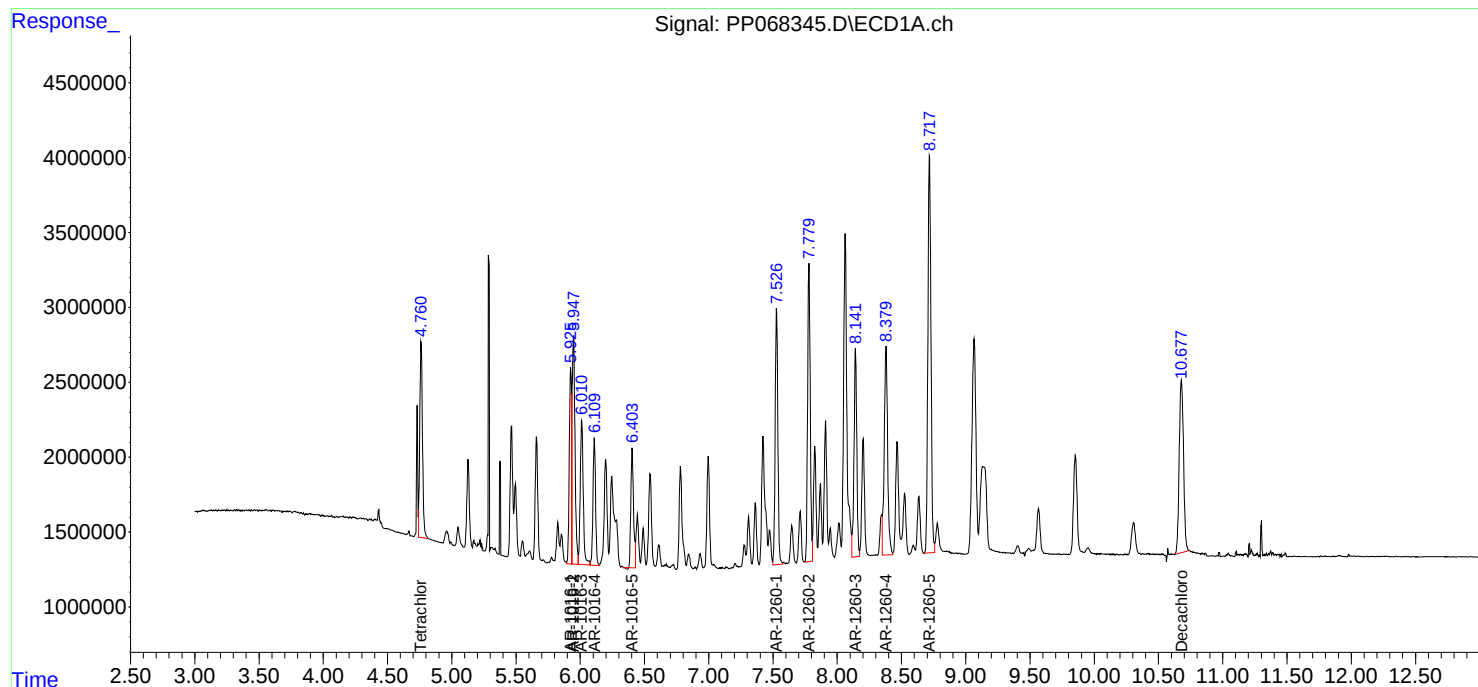
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 15:11
Operator : YP\AJ
Sample : PB164590BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164590BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:44:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILEMS	SDG No.:	P4663
Lab Sample ID:	P4663-02MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.9
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
PP068349.D	1	11/01/24 09:09	11/01/24 16:17	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	177		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	145		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		30 (32) - 150 (175)	98%	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\PP110124\
 Data File : PP068349.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 16:17
 Operator : YP\AJ
 Sample : P4663-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TENNANT-PAD-2-3-STOCKPILEMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:47:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.051	19766748	20080667	21.355	19.874
2) SA Decachlor...	10.675	9.211	22650194	18613586	19.674	16.598
Target Compounds						
3) L1 AR-1016-1	5.924	5.159	16775357	15745418	507.319	450.033
4) L1 AR-1016-2	5.946	5.179	23913381	21689588	490.321	450.285
5) L1 AR-1016-3	6.010	5.359	15036389	12437843	477.165	461.730
6) L1 AR-1016-4	6.108	5.398	12268463	10541382	476.563	437.672
7) L1 AR-1016-5	6.402	5.616	12666393	11869753	467.966	390.326m
31) L7 AR-1260-1	7.525	6.660	23283248	22760928	430.982	399.581
32) L7 AR-1260-2	7.778	6.846	27976255	26043558	442.167	390.432
33) L7 AR-1260-3	8.140	7.004	17996980	24922118	347.105	391.235
34) L7 AR-1260-4	8.378	7.478	23078547	18971706	383.400	343.114
35) L7 AR-1260-5	8.715	7.717	41018557	42505625	380.817	347.556

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:17
Operator : YP\AJ
Sample : P4663-02MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

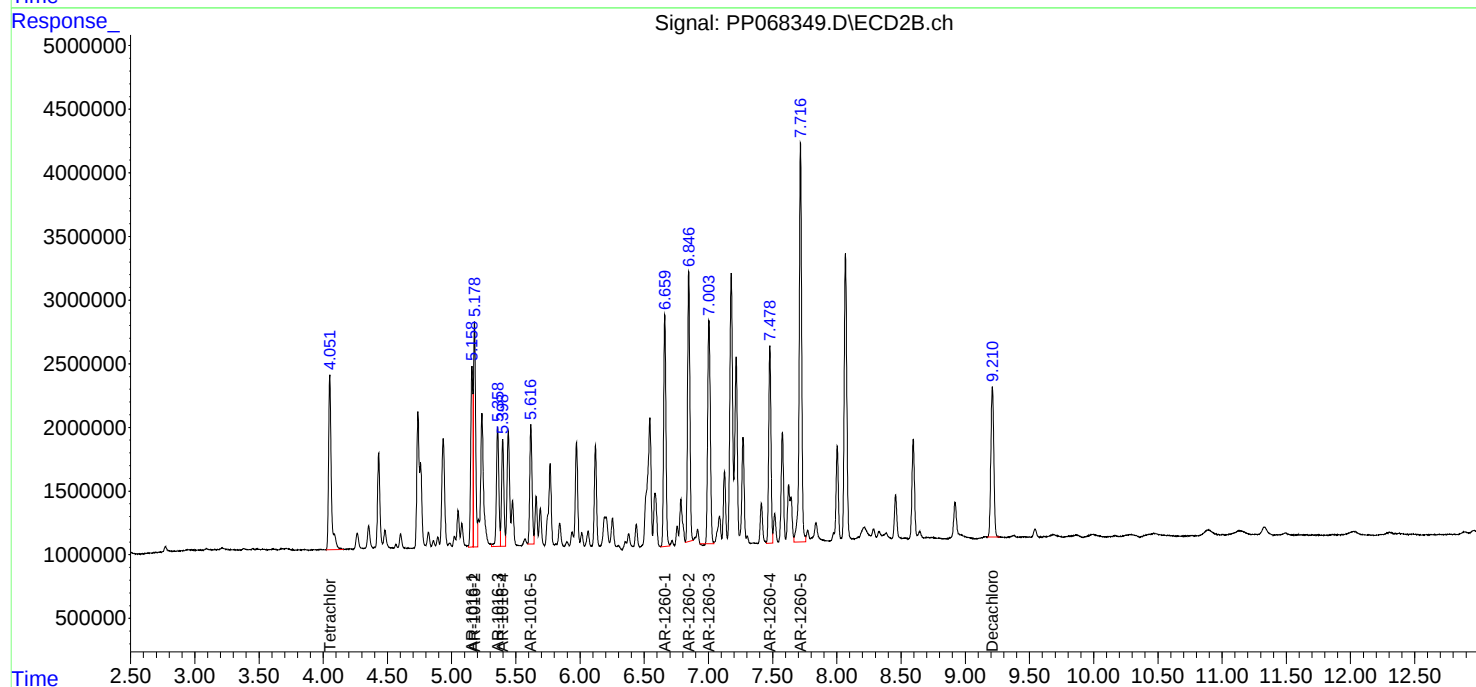
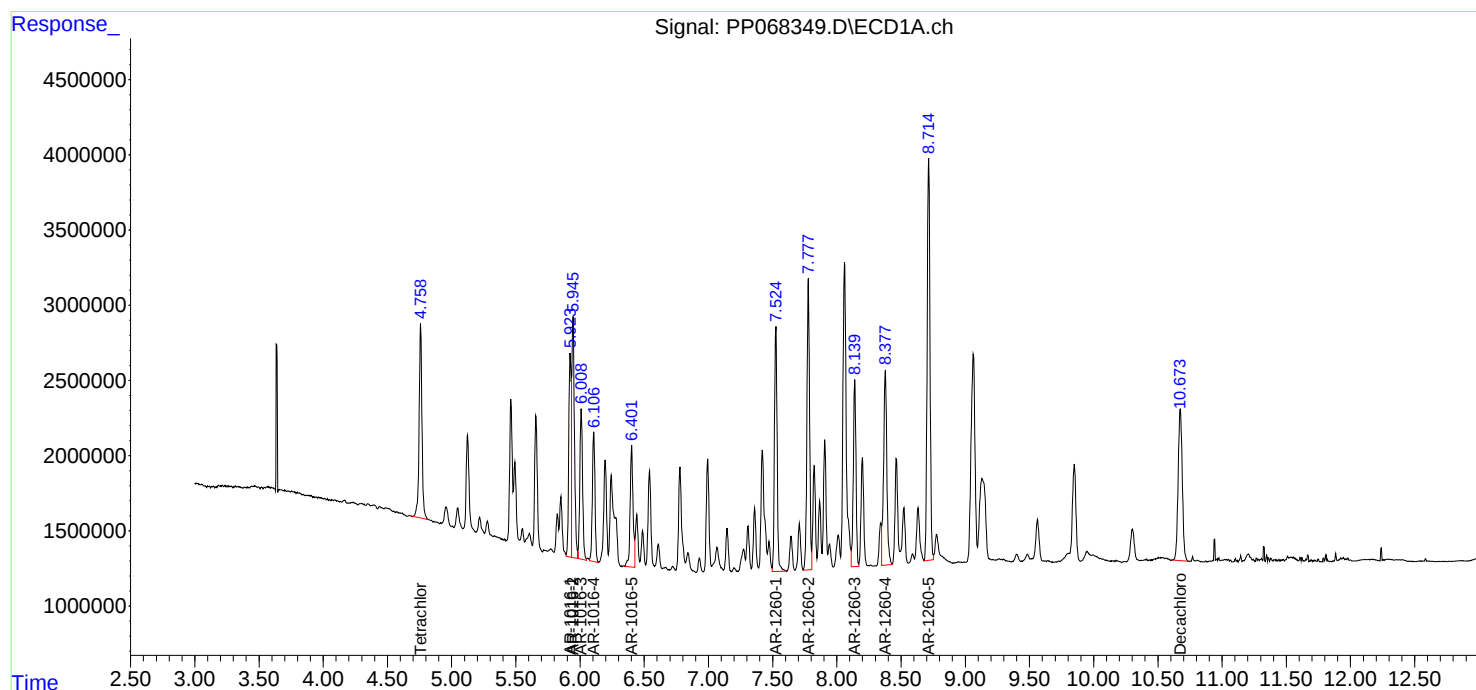
Instrument :
ECD_P
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILEMS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:47:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILEMSD	SDG No.:	P4663
Lab Sample ID:	P4663-02MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.9
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
PP068350.D	1	11/01/24 09:09	11/01/24 16:33	PB164590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	178		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	146		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		30 (32) - 150 (175)	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
 Data File : PP068350.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Nov 2024 16:33
 Operator : YP\AJ
 Sample : P4663-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TENNANT-PAD-2-3-STOCKPILEMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:47:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 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...	4.759	4.052	19963207	20444999	21.567	20.235
2) SA Decachlor...	10.675	9.210	22107769	18462885	19.202	16.463
Target Compounds						
3) L1 AR-1016-1	5.923	5.159	16693669	15797615	504.849	451.525
4) L1 AR-1016-2	5.946	5.179	24064858	21665965	493.427	449.795
5) L1 AR-1016-3	6.009	5.359	15106295	12337388	479.383	458.001
6) L1 AR-1016-4	6.107	5.399	12411058	10599623	482.102	440.090
7) L1 AR-1016-5	6.401	5.617	12834228	12282157	474.167	403.887m
31) L7 AR-1260-1	7.525	6.661	23317654	22931304	431.619	402.572
32) L7 AR-1260-2	7.778	6.847	28006390	26339467	442.643	394.869
33) L7 AR-1260-3	8.140	7.004	18244118	25551238	351.871	401.111
34) L7 AR-1260-4	8.378	7.479	22799124	18607383	378.758	336.525
35) L7 AR-1260-5	8.716	7.717	41214066	41858704	382.632	342.267

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110124\
Data File : PP068350.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:33
Operator : YP\AJ
Sample : P4663-02MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

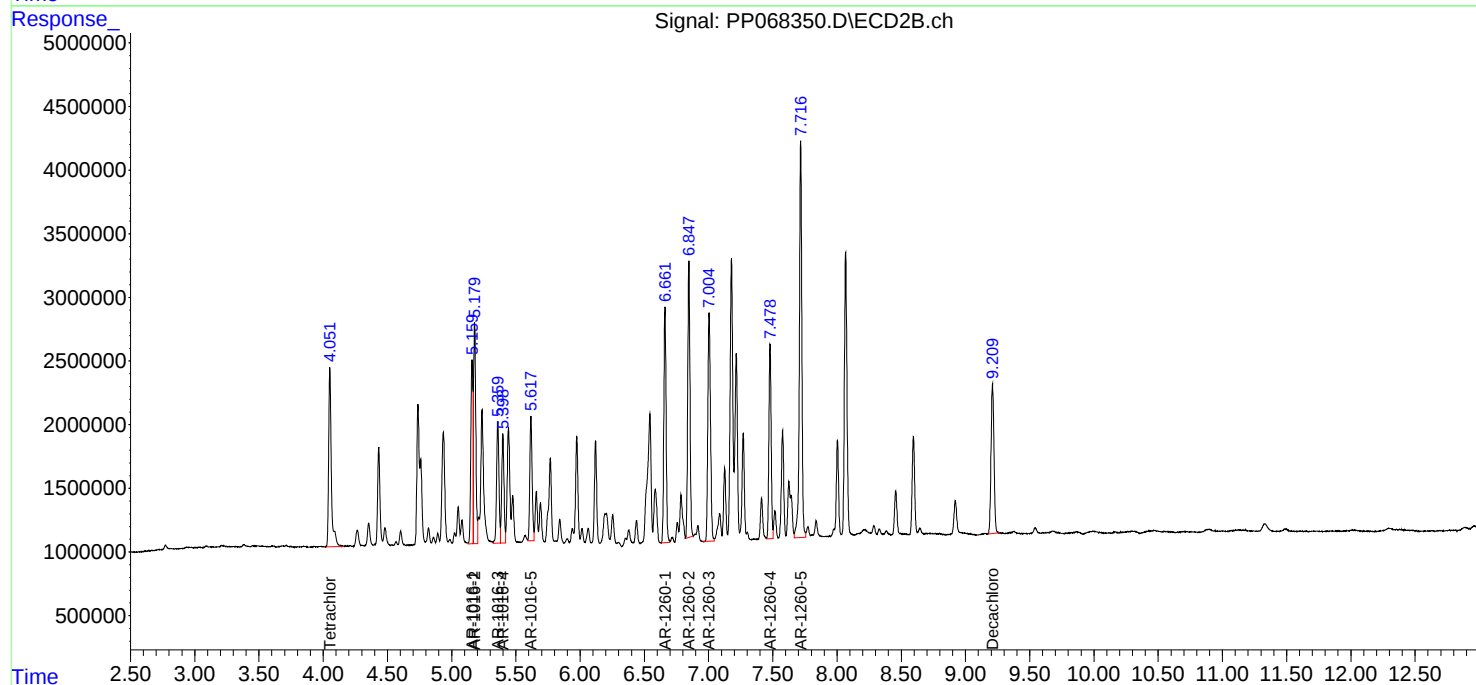
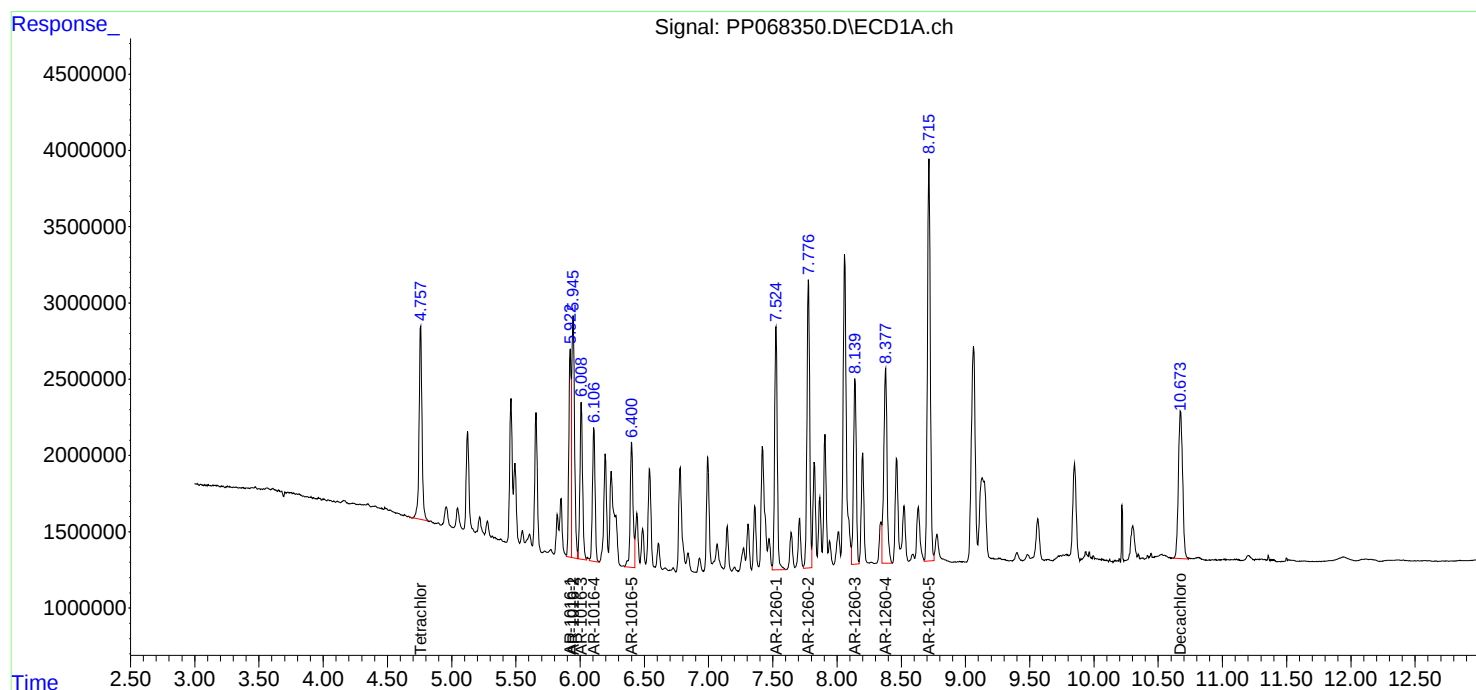
Instrument :
ECD_P
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILEMSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:47:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP067590.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:09 AM	Ankita	10/9/2024 9:46:08	Peak Integrated by Software
AR1660ICC050	PP067591.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:11 AM	Ankita	10/9/2024 9:46:09	Peak Integrated by Software
AR1242ICC500	PP067596.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:13 AM	Ankita	10/9/2024 9:46:11	Peak Integrated by Software
AR1242ICC050	PP067598.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:16 AM	Ankita	10/9/2024 9:46:12	Peak Integrated by Software
AR1254ICC750	PP067605.D	AR-1254-5	yogesh	10/9/2024 8:24:18 AM	Ankita	10/9/2024 9:46:13	Peak Integrated by Software
AR1254ICC500	PP067606.D	AR-1254-5	yogesh	10/9/2024 8:24:20 AM	Ankita	10/9/2024 9:46:15	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-1	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1262ICC500	PP067609.D	AR-1262-3	yogesh	10/9/2024 8:24:24 AM	Ankita	10/9/2024 9:48:33	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software

Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PP067612.D	AR-1268-1	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC500	PP067612.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-1 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-2 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-5	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pp100824

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PP110124	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP068340.D	AR-1242-2	Yogesh	11/4/2024 9:46:40 AM	Ankita	11/4/2024 10:04:32	Peak Integrated by Software
AR1254CCC500	PP068342.D	AR-1254-1	Yogesh	11/4/2024 9:46:41 AM	Ankita	11/4/2024 10:04:34	Peak Integrated by Software
AR1254CCC500	PP068342.D	AR-1254-5	Yogesh	11/4/2024 9:46:41 AM	Ankita	11/4/2024 10:04:34	Peak Integrated by Software
I.BLK	PP068343.D	Decachlorobiphenyl	Yogesh	11/4/2024 9:46:43 AM	Ankita	11/4/2024 10:04:36	Peak Integrated by Software
P4663-02MS	PP068349.D	AR-1016-5 #2	Yogesh	11/4/2024 9:46:45 AM	Ankita	11/4/2024 10:04:39	Peak Integrated by Software
P4663-02MSD	PP068350.D	AR-1016-5 #2	Yogesh	11/4/2024 9:46:47 AM	Ankita	11/4/2024 10:04:40	Peak Integrated by Software
AR1254CCC500	PP068357.D	AR-1254-1	Yogesh	11/4/2024 9:46:48 AM	Ankita	11/4/2024 10:04:42	Peak Integrated by Software
AR1254CCC500	PP068357.D	AR-1254-5	Yogesh	11/4/2024 9:46:48 AM	Ankita	11/4/2024 10:04:42	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067585.D	08 Oct 2024 15:58	YP\AJ	Ok
2	I.BLK	PP067586.D	08 Oct 2024 16:14	YP\AJ	Ok
3	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30	YP\AJ	Ok
4	AR1660ICC750	PP067588.D	08 Oct 2024 16:46	YP\AJ	Ok
5	AR1660ICC500	PP067589.D	08 Oct 2024 17:02	YP\AJ	Ok
6	AR1660ICC250	PP067590.D	08 Oct 2024 17:19	YP\AJ	Ok,M
7	AR1660ICC050	PP067591.D	08 Oct 2024 17:35	YP\AJ	Ok,M
8	AR1221ICC500	PP067592.D	08 Oct 2024 17:51	YP\AJ	Ok
9	AR1232ICC500	PP067593.D	08 Oct 2024 18:07	YP\AJ	Ok
10	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23	YP\AJ	Ok
11	AR1242ICC750	PP067595.D	08 Oct 2024 18:39	YP\AJ	Ok
12	AR1242ICC500	PP067596.D	08 Oct 2024 18:55	YP\AJ	Ok,M
13	AR1242ICC250	PP067597.D	08 Oct 2024 19:12	YP\AJ	Ok
14	AR1242ICC050	PP067598.D	08 Oct 2024 19:28	YP\AJ	Ok,M
15	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44	YP\AJ	Ok
16	AR1248ICC750	PP067600.D	08 Oct 2024 20:00	YP\AJ	Ok
17	AR1248ICC500	PP067601.D	08 Oct 2024 20:16	YP\AJ	Ok
18	AR1248ICC250	PP067602.D	08 Oct 2024 20:32	YP\AJ	Ok
19	AR1248ICC050	PP067603.D	08 Oct 2024 20:49	YP\AJ	Ok
20	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05	YP\AJ	Ok
21	AR1254ICC750	PP067605.D	08 Oct 2024 21:21	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP067606.D	08 Oct 2024 21:37	YP\AJ	Ok,M
23	AR1254ICC250	PP067607.D	08 Oct 2024 21:53	YP\AJ	Ok
24	AR1254ICC050	PP067608.D	08 Oct 2024 22:09	YP\AJ	Ok,M
25	AR1262ICC500	PP067609.D	08 Oct 2024 22:25	YP\AJ	Ok,M
26	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42	YP\AJ	Ok,M
27	AR1268ICC750	PP067611.D	08 Oct 2024 22:58	YP\AJ	Ok,M
28	AR1268ICC500	PP067612.D	08 Oct 2024 23:14	YP\AJ	Ok,M
29	AR1268ICC250	PP067613.D	08 Oct 2024 23:30	YP\AJ	Ok,M
30	AR1268ICC050	PP067614.D	08 Oct 2024 23:46	YP\AJ	Ok,M
31	PP100824ICV500	PP067615.D	09 Oct 2024 00:02	YP\AJ	Ok
32	AR1242ICV500	PP067616.D	09 Oct 2024 00:18	YP\AJ	Ok,M
33	AR1248ICV500	PP067617.D	09 Oct 2024 00:34	YP\AJ	Ok
34	AR1254ICV500	PP067618.D	09 Oct 2024 00:51	YP\AJ	Ok,M
35	AR1268ICV500	PP067619.D	09 Oct 2024 01:07	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110124

Review By	yogesh	Review On	11/1/2024 12:50:20 PM
Supervise By	Ankita	Supervise On	11/4/2024 10:04:49 AM
SubDirectory	PP110124	HP Acquire Method	HP Processing Method PO100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068338.D	01 Nov 2024 10:20	YP\AJ	Ok
2	AR1660CCC500	PP068339.D	01 Nov 2024 10:36	YP\AJ	Ok
3	AR1242CCC500	PP068340.D	01 Nov 2024 10:56	YP\AJ	Ok,M
4	AR1248CCC500	PP068341.D	01 Nov 2024 11:12	YP\AJ	Ok
5	AR1254CCC500	PP068342.D	01 Nov 2024 11:29	YP\AJ	Ok,M
6	I.BLK	PP068343.D	01 Nov 2024 11:53	YP\AJ	Ok,M
7	PB164590BL	PP068344.D	01 Nov 2024 14:55	YP\AJ	Ok
8	PB164590BS	PP068345.D	01 Nov 2024 15:11	YP\AJ	Ok
9	P4645-01	PP068346.D	01 Nov 2024 15:27	YP\AJ	Ok,M
10	P4659-01	PP068347.D	01 Nov 2024 15:44	YP\AJ	Ok
11	P4663-02	PP068348.D	01 Nov 2024 16:00	YP\AJ	Ok
12	P4663-02MS	PP068349.D	01 Nov 2024 16:17	YP\AJ	Ok,M
13	P4663-02MSD	PP068350.D	01 Nov 2024 16:33	YP\AJ	Ok,M
14	P4663-04	PP068351.D	01 Nov 2024 16:50	YP\AJ	Ok
15	P4663-06	PP068352.D	01 Nov 2024 17:06	YP\AJ	Ok
16	P4663-08	PP068353.D	01 Nov 2024 17:22	YP\AJ	Ok
17	AR1660CCC500	PP068354.D	01 Nov 2024 18:00	YP\AJ	Ok
18	AR1242CCC500	PP068355.D	01 Nov 2024 18:16	YP\AJ	Ok
19	AR1248CCC500	PP068356.D	01 Nov 2024 18:33	YP\AJ	Ok
20	AR1254CCC500	PP068357.D	01 Nov 2024 18:49	YP\AJ	Ok,M
21	I.BLK	PP068358.D	01 Nov 2024 19:05	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067585.D	08 Oct 2024 15:58		YP\AJ	Ok
2	I.BLK	I.BLK	PP067586.D	08 Oct 2024 16:14		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067588.D	08 Oct 2024 16:46		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067589.D	08 Oct 2024 17:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067590.D	08 Oct 2024 17:19		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP067591.D	08 Oct 2024 17:35		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP067592.D	08 Oct 2024 17:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067593.D	08 Oct 2024 18:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067595.D	08 Oct 2024 18:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067596.D	08 Oct 2024 18:55		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP067597.D	08 Oct 2024 19:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067598.D	08 Oct 2024 19:28		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067600.D	08 Oct 2024 20:00		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067601.D	08 Oct 2024 20:16		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067602.D	08 Oct 2024 20:32		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP067603.D	08 Oct 2024 20:49		YPIAJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PP067605.D	08 Oct 2024 21:21		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP067606.D	08 Oct 2024 21:37		YPIAJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP067607.D	08 Oct 2024 21:53		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PP067608.D	08 Oct 2024 22:09		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP067609.D	08 Oct 2024 22:25		YPIAJ	Ok,M
26	AR1268ICC1000	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42		YPIAJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP067611.D	08 Oct 2024 22:58		YPIAJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP067612.D	08 Oct 2024 23:14		YPIAJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP067613.D	08 Oct 2024 23:30		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP067614.D	08 Oct 2024 23:46		YPIAJ	Ok,M
31	PP100824ICV500	ICVPP100824	PP067615.D	09 Oct 2024 00:02		YPIAJ	Ok
32	AR1242ICV500	ICVPP100824AR1242	PP067616.D	09 Oct 2024 00:18		YPIAJ	Ok,M
33	AR1248ICV500	ICVPP100824AR1248	PP067617.D	09 Oct 2024 00:34		YPIAJ	Ok
34	AR1254ICV500	ICVPP100824AR1254	PP067618.D	09 Oct 2024 00:51		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP100824AR1268	PP067619.D	09 Oct 2024 01:07		YPIAJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110124

Review By	yogesh	Review On	11/1/2024 12:50:20 PM
Supervise By	Ankita	Supervise On	11/4/2024 10:04:49 AM
SubDirectory	PP110124	HP Acquire Method	HP Processing Method PO100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP068338.D	01 Nov 2024 10:20		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP068339.D	01 Nov 2024 10:36		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP068340.D	01 Nov 2024 10:56		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP068341.D	01 Nov 2024 11:12		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP068342.D	01 Nov 2024 11:29		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP068343.D	01 Nov 2024 11:53		YP\AJ	Ok,M
7	PB164590BL	PB164590BL	PP068344.D	01 Nov 2024 14:55		YP\AJ	Ok
8	PB164590BS	PB164590BS	PP068345.D	01 Nov 2024 15:11		YP\AJ	Ok
9	P4645-01	Z-02-WC	PP068346.D	01 Nov 2024 15:27	AR1260 Hit	YP\AJ	Ok,M
10	P4659-01	MH-2	PP068347.D	01 Nov 2024 15:44		YP\AJ	Ok
11	P4663-02	TENNANT-PAD-2-3-ST	PP068348.D	01 Nov 2024 16:00		YP\AJ	Ok
12	P4663-02MS	TENNANT-PAD-2-3-ST	PP068349.D	01 Nov 2024 16:17		YP\AJ	Ok,M
13	P4663-02MSD	TENNANT-PAD-2-3-ST	PP068350.D	01 Nov 2024 16:33		YP\AJ	Ok,M
14	P4663-04	RES-BUILDING-PAD-N	PP068351.D	01 Nov 2024 16:50		YP\AJ	Ok
15	P4663-06	RES-BUILDING-PAD-N	PP068352.D	01 Nov 2024 17:06		YP\AJ	Ok
16	P4663-08	RES-BUILDING-PAD-N	PP068353.D	01 Nov 2024 17:22		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP068354.D	01 Nov 2024 18:00		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP068355.D	01 Nov 2024 18:16		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110124

Review By	yogesh	Review On	11/1/2024 12:50:20 PM
Supervise By	Ankita	Supervise On	11/4/2024 10:04:49 AM
SubDirectory	PP110124	HP Acquire Method	HP Processing Method PO100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP068356.D	01 Nov 2024 18:33		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP068357.D	01 Nov 2024 18:49		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP068358.D	01 Nov 2024 19:05		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133250

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
P4647-01	01A-01B-01C	1	1.00	1.00	2.00	2.00	100.0	caluk
P4658-01	B-131-1-SB02	2	1.16	8.56	9.72	5.57	51.5	
P4658-02	B-131-2-SB02	3	1.15	8.63	9.78	5.91	55.2	
P4658-03	B-131-3-SB02	4	1.14	8.37	9.51	5.83	56.0	
P4659-02	MH-2-EPH	5	1.14	8.59	9.73	8.7	88.0	
P4659-03	MH-2-VOC	6	1.16	8.70	9.86	8.83	88.2	
P4660-02	WC-TA2-01-C	7	1.13	8.76	9.89	8.92	88.9	
P4660-06	WC-WOOD-01-C	8	1.00	1.00	2.00	2.00	100.0	wood chips
P4660-10	WC-CONCRETE-01-C	9	1.14	8.55	9.69	9.03	92.3	
P4660-12	WC-CONCRETE-01-C	10	1.14	8.54	9.68	9.06	92.7	
P4661-01	102824-A	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4661-02	102824-B	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-01	102524-DRIP-A	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-02	102524-B	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-03	102524-C	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4663-01	TENNANT-PAD-2-3-STOCKPILE	16	1.14	8.75	9.89	9.1	91.0	
P4663-02	TENNANT-PAD-2-3-STOCKPILE	17	1.16	8.75	9.91	9.11	90.9	
P4663-03	RES-BUILDING-PAD-NO-11	18	1.16	8.74	9.9	9.19	91.9	
P4663-04	RES-BUILDING-PAD-NO-11	19	1.16	8.67	9.83	9.11	91.7	
P4663-05	RES-BUILDING-PAD-NO-3	20	1.15	8.61	9.76	8.94	90.5	
P4663-06	RES-BUILDING-PAD-NO-3	21	1.16	8.64	9.8	9.04	91.2	
P4663-07	RES-BUILDING-PAD-NO-2	22	1.16	8.46	9.62	8.41	85.7	
P4663-08	RES-BUILDING-PAD-NO-2	23	1.17	8.78	9.95	9.19	91.3	
P4667-01	BP-F-6	24	1.16	8.42	9.58	8.66	89.1	
P4667-02	BP-F-6-EPH	25	1.18	8.51	9.69	8.7	88.4	
P4667-03	BP-F-6-VOC	26	1.19	8.65	9.84	8.88	88.9	
P4667-05	BP-F-5	27	1.16	8.51	9.67	8.76	89.3	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133250

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
P4667-06	BP-F-5-EPH	28	1.16	8.52	9.68	8.76	89.2	
P4667-07	BP-F-5-VOC	29	1.17	8.64	9.81	8.79	88.2	
P4667-09	BP-F-10	30	1.17	8.78	9.95	8.98	89.0	
P4667-10	BP-F-10-EPH	31	1.17	8.54	9.71	8.84	89.8	
P4667-11	BP-F-10-VOC	32	1.16	8.81	9.97	9.06	89.7	
P4667-13	BP-F-7	33	1.16	8.71	9.87	8.91	89.0	
P4667-14	BP-F-7-EPH	34	1.17	8.44	9.61	8.57	87.7	
P4667-15	BP-F-7-VOC	35	1.18	8.42	9.6	8.72	89.5	
P4672-01	TAPLPR-SED06-103024-00-T2	36	1.19	8.65	9.84	7.71	75.4	
P4672-02	TAPLPR-SED07-103024-00-T2	37	1.19	8.47	9.66	8.48	86.1	
P4672-03	TAPLPR-SED03-103024-00-T2	38	1.19	8.68	9.87	8.31	82.0	
P4672-04	TAPLPR-SED04-103024-00-T2	39	1.19	8.77	9.96	8.77	86.4	
P4672-05	TAPLPR-SED05-103024-00-T2	40	1.18	8.62	9.8	8.41	83.9	
P4675-01	COMP-1	41	1.18	8.56	9.74	7.85	77.9	
P4675-02	COMP-2	42	1.19	8.48	9.67	8.46	85.7	
P4675-03	COMP-3	43	1.19	8.78	9.97	8.99	88.8	
P4675-04	COMP-4	44	1.18	8.71	9.89	8.4	82.9	
P4675-05	COMP-5	45	1.17	8.54	9.71	8.18	82.1	
P4675-06	COMP-6	46	1.17	8.70	9.87	8.24	81.3	
P4677-01	2410-6346	47	1.00	1.00	2.00	2.00	100.0	PAINT CHIPS
P4679-01	MH-1	48	1.18	8.80	9.98	8.98	88.6	
P4679-02	MH-1-EPH	49	1.19	8.58	9.77	8.65	86.9	
P4679-03	MH-1-VOC	50	1.19	8.62	9.81	8.72	87.4	
P4680-01	BP-F26	51	1.18	8.80	9.98	9.08	89.8	
P4680-02	BP-F26-EPH	52	1.18	8.44	9.62	8.71	89.2	
P4680-03	BP-F26-VOC	53	1.19	8.50	9.69	8.75	88.9	



PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133250

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
P4680-05	BP-F25	54	1.18	8.69	9.87	8.9	88.8	
P4680-06	BP-F25-EPH	55	1.19	8.79	9.98	8.91	87.8	
P4680-07	BP-F25-VOC	56	1.18	8.60	9.78	8.86	89.3	

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

WORKLIST(Hardcopy Internal Chain)

LB 133250

WorkList Name : %solid-110124 WorkList ID : 185025 Department : Wet-Chemistry Date : 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4647-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	K61	10/31/2024	Chemtech -SO
P4658-01	B-131-1-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-02	B-131-2-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-03	B-131-3-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4659-02	MH-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4659-03	MH-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4660-02	WC-TA2-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-06	WC-WOOD-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-10	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-12	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4661-01	102824-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4661-02	102824-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4662-01	102524-DRIP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-02	102524-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-03	102524-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4663-01	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-03	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-04	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-05	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-06	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/24 15:30 Date/Time 11/01/24 17:30
 Raw Sample Received by: SO web Raw Sample Received by: cm
 Raw Sample Relinquished by: 050r Raw Sample Relinquished by: SO web

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124

WorkList ID : 185025

Department : Wet-Chemistry

Date : 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4663-07	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-08	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4667-01	BP-F-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-02	BP-F-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-03	BP-F-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-05	BP-F-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-06	BP-F-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-07	BP-F-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-09	BP-F-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-10	BP-F-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-11	BP-F-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-13	BP-F-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-14	BP-F-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-15	BP-F-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4672-01	TAPLPR-SED06-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-02	TAPLPR-SED07-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-03	TAPLPR-SED03-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-04	TAPLPR-SED04-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-05	TAPLPR-SED05-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4675-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/2024 15:30
 Raw Sample Received by: JP WLC
 Raw Sample Relinquished by: ESR
 Date/Time 11/01/2024 18
 Raw Sample Received by: ESR
 Raw Sample Relinquished by: JP WLC

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 WorkList ID : 185025 Department : Wet-Chemistry Date : 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4675-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-04	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-05	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-06	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4677-01	2410-6346	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-01	MH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-02	MH-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-03	MH-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4680-01	BP-F26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-02	BP-F26-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-03	BP-F26-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-05	BP-F25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-06	BP-F25-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-07	BP-F25-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO

Date/Time 11/01/24 15:30
 Raw Sample Received by: SO WCC
 Raw Sample Relinquished by: CSN

Date/Time 11/01/24 17:30
 Raw Sample Received by: CSN
 Raw Sample Relinquished by: SO WCC

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	11/01/2024
Matrix :	Solid	Extraction Start Time :	09:09
Weigh By:	RJ	Extraction By:	RJ
Balance check:	RJ	Extraction End Date :	11/01/2024
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	14:00
		Concentration By:	EH
		Supervisor By :	rajesh
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23858
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	EP2554
Hexane	N/A	E3819
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721. P4663 All sampled Added in batch at 11 :00.

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/01/24	RP (Ext Lab)	Y-P PEST 1P03
14:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/01/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164590BL	ABLK590	PCB	30.02	N/A	ritesh	RUPESH	10			U1-1
PB164590BS	ALCS590	PCB	30.03	N/A	ritesh	RUPESH	10			2
P4645-01	Z-02-WC	PCB	30.04	N/A	ritesh	RUPESH	10	D		3
P4659-01	MH-2	PCB	30.09	N/A	ritesh	RUPESH	10	D		4
P4663-02	TENNANT-PAD-2-3-STOC KPILE	PCB	30.02	N/A	ritesh	RUPESH	10	D		5
P4663-02MS	TENNANT-PAD-2-3-STOC KPILEMS	PCB	30.06	N/A	ritesh	RUPESH	10	D		6
P4663-02MS D	TENNANT-PAD-2-3-STOC KPILEMSD	PCB	30.05	N/A	ritesh	RUPESH	10	D		U5-1
P4663-04	RES-BUILDING-PAD-NO-1 1	PCB	30.08	N/A	ritesh	RUPESH	10	D		2
P4663-06	RES-BUILDING-PAD-NO-3	PCB	30.10	N/A	ritesh	RUPESH	10	D		3
P4663-08	RES-BUILDING-PAD-NO-2	PCB	30.06	N/A	ritesh	RUPESH	10	D		4

* Extracts relinquished on the same date as received.

[Signature]
11/01/24

165530
11-01-2024
P13

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P4663 Worklist ID : 185017 Department : Extraction Date : 11-01-2024 11:00:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E
P4663-04	RES-BUILDING-PAD-NO-11	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-04	RES-BUILDING-PAD-NO-11	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-04	RES-BUILDING-PAD-NO-11	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E
P4663-06	RES-BUILDING-PAD-NO-3	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-06	RES-BUILDING-PAD-NO-3	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-06	RES-BUILDING-PAD-NO-3	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E
P4663-08	RES-BUILDING-PAD-NO-2	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-08	RES-BUILDING-PAD-NO-2	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-08	RES-BUILDING-PAD-NO-2	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E

Date/Time 11/01/24 11:00
Raw Sample Received by: PJ (Sgt) [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11/01/24 11:15
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: PJ (Sgt) [Signature]

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P4647 Worklist ID : 185003 Department : Extraction Date : 11-01-2024 08:31:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4606-01	1	Solid	PCB Group1	Cool 4 deg C	ATCE02	K63	10/26/2024	8082A
P4645-01	Z-02-WC	Solid	PCB	Cool 4 deg C	PSEG03	K63	10/31/2024	8082A
P4659-01	MH-2	Solid	PCB	Cool 4 deg C	PSEG03	K61	10/31/2024	8082A

Date/Time 11/01/24 9:05
Raw Sample Received by: PJ (Set lvs)
Raw Sample Relinquished by: JD CSM

Date/Time 11/01/24 9:20
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: PJ (Set lvs)



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.

QUOTE NO.

COC Number 2042152

P4663

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Union Paving & Construction Co

ADDRESS: 891 RT 10 E

CITY Whippany STATE: NJ ZIP:

ATTENTION: Gregory B

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER: Gregory B

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

Clean Air VOCs
1 2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	B									← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
1.	Tennant Pad 2/3 Stockpile	SoL	X		10/31/24	1245	4	X										
2.	Tennant Pad 2/3 Stockpile			X		1250	4		X									0.0 ppm
3.	Res Building Pad No. 11		X			1300	4	X										
4.	Res Building Pad No. 11			X		1304	4		X									0.0 ppm
5.	Res Building Pad No. 3		X			1320	4	X										
6.	Res Building Pad No. 3			X		1326	4		X									0.0 ppm
7.	Res Building Pad No. 2		X			1335	4	X										
8.	Res Building Pad No. 2			X		1339	4		X									0.0 ppm
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 1355 10-31-24	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.3 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 2. <i>[Signature]</i>	Comments: PID Calibration 10-31-24
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 1645 10-31-24	RECEIVED BY: 3. <i>[Signature]</i>	Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☒ Field Sampling Shipment Complete ☒ YES ☐ NO



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Union Paving & Construction Co
Service Order #: 10-31-24
Work Order #: 891 RT 10E
Labor WBS #: Whippary, NT
Facility/Site: Whippary, NT
Site Address: 891 RT 10E

Chemtech Order ID: QA-10-31-24
Sampler Name: Jeremy M Gregory
Client Project Coordinator & Phone: Gregory B
Page #: 1 of 1
Date: 10-31-24
Arrive Time: 1230
Depart Time: 1355

Waste Stream (circle one): drum / roll-off / soil pile / in-situ linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: 1 foot - 2 feet

Dimensions/CY: N/A

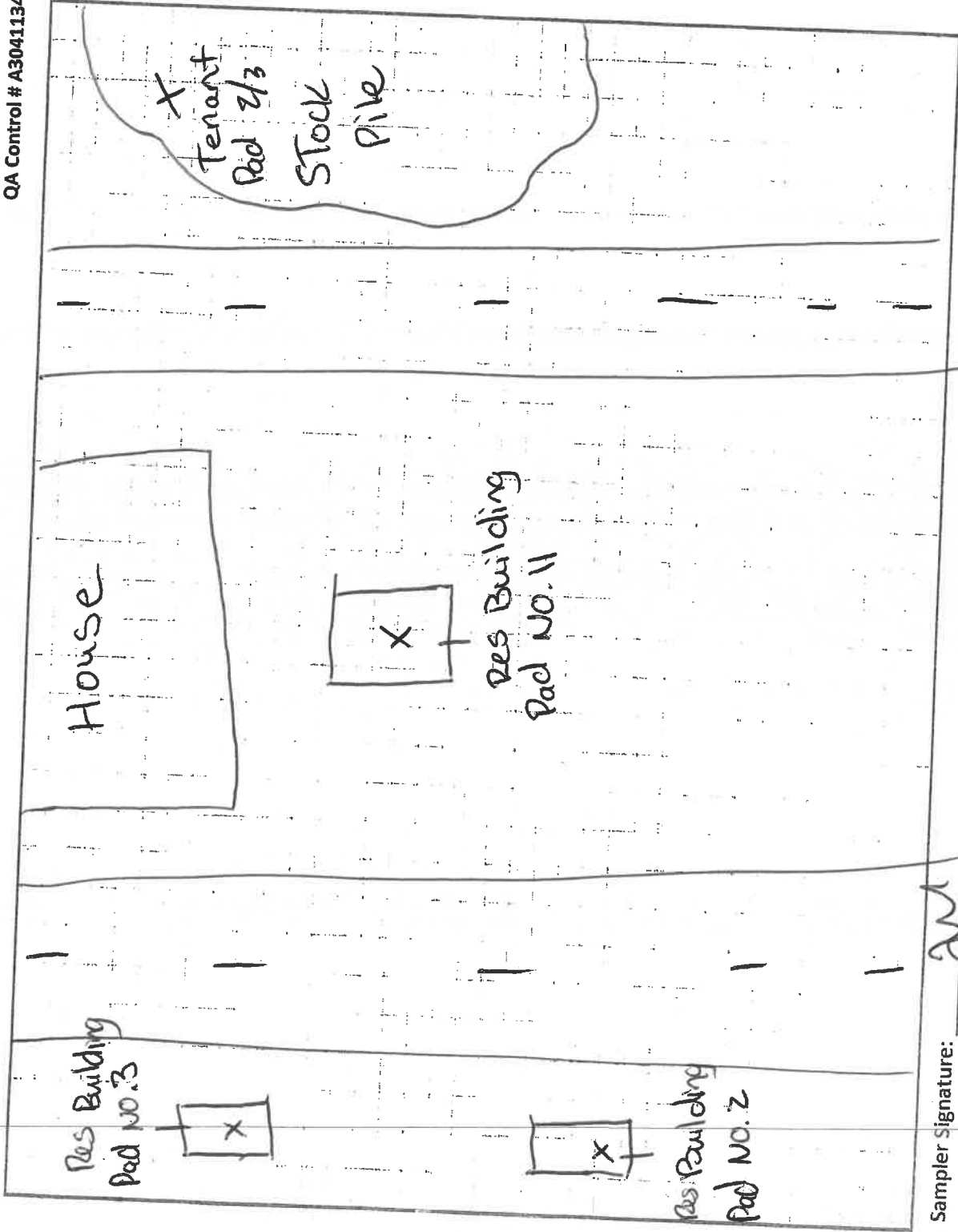
Temp (range): 2.3 °C PID Readings (range): PPM Odor: Y N Color: Y N

Sample Description: Brown Rocky Soil

Field Observations: 2 spots, (1) Excavation Stockpile (3) Test pits

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: [Signature]

Client Signature: _____

Supervisor Review/Date: _____

Date/Time Arrived at Lab: _____



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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4663	UNIO02	Order Date : 10/31/2024 3:05:00 PM	Project Mgr :
Client Name : Union Paving & Constructio		Project Name : Rt. 10 Whippany	Report Type : Level 3
Client Contact : Gregory Butler		Receive DateTime : 10/31/2024 12:00:00 AM	EDD Type : Excel NJ
Invoice Name : Union Paving & Constructio		Purchase Order : 16:45	Hard Copy Date :
Invoice Contact : Gregory Butler			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4663-01	TENNANT-PAD-2-3-STOCKPILE	Solid	10/31/2024	12:45	VOCMS Group1		8260D	3 Bus. Days	
P4663-03	RES-BUILDING-PAD-NO-11	Solid	10/31/2024	13:00	VOCMS Group1		8260D	3 Bus. Days	
P4663-05	RES-BUILDING-PAD-NO-3	Solid	10/31/2024	13:20	VOCMS Group1		8260D	3 Bus. Days	
P4663-07	RES-BUILDING-PAD-NO-2	Solid	10/31/2024	13:35	VOCMS Group1		8260D	3 Bus. Days	

Relinquished By : Jed

Date / Time : 10-31-24 1710

Left inside
off SM fridge

Received By : Sen

Date / Time : 11/01/24 12:00

Storage Area : VOA Refridgerator Room